DRC-2010-001782

DENISON MINES

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VIA FEDERAL EXPRESS

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Division of
Radiation Control

February 8, 2010

Mr. Dane Finerfrock, Executive Secretary
Utah Radiation Control Board
Utah Department of Environmental Quality
168 North 1950 West
P.O. Box 144810
Salt Lake City, UT 84114-4810

Dear Mr. Finerfrock:

Re: White Mesa Uranium Mill – Second Round of Interrogatories From Review of License Amendment Request and Environmental Report For Cell 4B

This letter is in response to the document entitled *Utah Division of Radiation Control, Denison Mines (USA) Corp, Interrogatories From Review of License Amendment Request and Environmental Report for Cell 4B, Under UAC R313-24 and UAC R317-6, Interrogatories – Round 2*, dated January 28, 2010, prepared by URS Corporation ("URS") on behalf of the State of Utah Department of Environmental Quality ("UDEQ"), Division of Radiation Control ("DRC") (the "Interrogatories").

The first round of interrogatories on this application was contained in the document entitled *Utah Division of Radiation Control, Denison Mines (USA) Corp, Interrogatories From Review of License Amendment Request and Environmental Report for Cell 4B, Under UAC R313-24 and UAC R317-6, Interrogatories – Round 1*, dated October 29, 2009, prepared by URS on behalf of DRC (the "First Round of Interrogatories").

Denison Mines (USA) Corp. ("Denison") provided its initial response to the First Round of Interrogatories by a letter dated December 23, 2009 (the "December 23, 2009 Response Letter) to the Executive Secretary (the "Executive Secretary") of the State of Utah Radiation Control Board. The December 23, 2009 Response Letter was supplemented by a letter dated January 22, 2010 from Denison to the Executive Secretary (the "Supplemental Response Letter").

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The following Attachments are included with this letter:

Attachment	Description
A.....	MILDOS Input and Output Files • Arizona Strip model • Colorado Plateau model
B.....	Water Well Drill Logs and Related Correspondence
C.....	Legend to Water Well Appropriations Table
D.....	Approvals of Existing Cells: • License Amendment 1, to NRC Source Material License SUA-1358 • NRC letter dated February 10, 1982 • NRC letter dated March 1, 1990 • Executive Secretary letter dated September 17, 2008
E.....	Tetra Tech Technical Memorandum dated February 3, 2010 regarding updated seismic analysis
F.....	Freeboard Correspondence: • Denison letter dated October 9, 2008 • Executive Secretary Response dated November 20, 2008
G.....	Letter from NRC dated July 21, 2000 approving Revision 3.0 of the Mill's Reclamation Plan
H.....	Letter Report dated February 8, 2010 from Hydro Geo Chem, Inc.

1. INTRODUCTION

1.1 Background

Denison operates the White Mesa Uranium Mill (the "Mill"), located approximately 6 miles south of Blanding Utah, under State of Utah Radioactive Materials License No. UT1900479 (the "License"), State of Utah Ground Water Discharge Permit No. UGW370004 (the "GWDP") and State of Utah Air Quality Approval Order DAQE-AN1205005-06 (the "Air Approval Order").

By letters to the Executive Secretary dated June 11, 2008 (the "License Amendment Request") and June 16, 2008 (the "GWDP Amendment Request" and together with the License Amendment Request, the "Amendment Request"), Denison requested amendments to the License and GWDP, respectively, to construct, operate and (when operations are complete) reclaim a proposed new tailings Cell 4B for the Mill.

In support of the Amendment Request, Denison has also previously submitted to the Executive Secretary a report entitled *Cell 4B Design Report, White Mesa Mill Blanding Utah*, prepared by Geosyntec Consultants (the "Design Report") on December 8, 2007, which sets out the proposed design specifications for Cell 4B, and an *Environmental Report In Support of Construction of*

Cell 4B, White Mesa Uranium Mill Blanding Utah (the "Original 2008 Environmental Report") on April 30, 2008.

The Original 2008 Environmental Report was replaced with a revised version (the "2008 ER") on September 11, 2009.

1.2 Documents Incorporated by Reference

This letter incorporates by reference information previously submitted in previous environmental analyses performed at the Mill, as described below.

- the *Final Environmental Statement Related to Operation of White Mesa Uranium Project, Energy Fuels Nuclear, Inc.*, May, 1979, Docket No. 40-8681 (the "FES"), prepared by the United States Nuclear Regulatory Commission ("NRC") for the original License application in May 1979;
- The *Environmental Report, White Mesa Uranium Project San Juan County, Utah*, dated January 1978, prepared by Dames & Moore (the "1978 ER"), which formed the basis for the FES;
- The License renewal application prepared by Umetco Minerals Corporation and submitted to NRC on August 23, 1991 (the "1991 License Renewal Application");
- the *Statement of Basis* that was prepared in December 2004 by DRC in connection with the issuance of the GWDP (the "2004 Statement of Basis");
- the *White Mesa Uranium Mill, License Renewal Application, State of Utah Radioactive Materials License No. UT1900479*, February 28, 2007 (the "2007 License Renewal Application");
- the *Environmental Report in Support of the License Renewal Application, State of Utah Radioactive Materials License No. UT1900479*, February 28, 2007 (the "2007 ER");
- the *Revised Background Groundwater Quality Report: Existing Wells For Denison Mines (USA) Corp.'s White Mesa Mill Site, San Juan County, Utah*, October 2007, prepared by INTERA, Inc. (the "Existing Well Background Report");
- the *Revised Addendum: -- Evaluation of Available Pre-Operational and Regional Background Data, Background Groundwater Quality Report: Existing Wells For Denison Mines (USA) Corp.'s White Mesa Mill Site, San Juan County, Utah*, November 16, 2007, prepared by INTERA, Inc. (the "Regional Background Report");
- the *Revised Addendum: -- Background Groundwater Quality Report: New Wells For Denison Mines (USA) Corp.'s White Mesa Mill Site, San Juan County, Utah,* April 30, 2008, prepared by INTERA, Inc. (the "New Well Background Report", and together with the Existing Well Background Report and the Regional Background Report, the "Background Reports");
- the *White Mesa Uranium Mill, Renewal Application, State of Utah Ground Water Discharge Permit No. UGW370004*, September 1, 2009, prepared by Denison (the "2009 GWDP Renewal Application");
- the *Statement of Basis for a Uranium Milling Facility South of Blanding, Utah, Owned and Operated by Denison Mines (USA) Corp.*, dated September 2009,

prepared by DRC in support of proposed modifications to the GWDP (the "2009 Statement of Basis"); and

- the *Reclamation Plan, White Mesa Mill Blanding Utah, Radioactive Materials License No. UT1900479, Revision 4.0*, November 2009 (the "Reclamation Plan, Rev. 4.0").

2. RESPONSES TO INTERROGATORIES

Each Interrogatory is shown in italics below, followed by Denison's response to the question and/or request for information. In order to allow for better tracking of the responses to the interrogatories, those interrogatories that pose several questions have been subdivided and each question has been numbered with a separate subparagraph number.

Reference is made to the general comments set out in Section 2 of the December 23, 2009 Response Letter, which apply to all Interrogatories, including those addressed in this letter.

2.1 *INTERROGATORY WHITE MESA CELL 4B UAC R313-24-3-01A/02: ENVIRONMENTAL ANALYSIS - RADIOLOGICAL AND NONRADIOLOGICAL IMPACTS*

REGULATORY BASIS:

UAC R313-24-3:

(1) Each new license application, renewal, or major amendment shall contain an environmental report describing the proposed action, a statement of its purposes, and the environment affected. The environmental report shall present a discussion of the following:

(a) An assessment of the radiological and nonradiological impacts to the public health from the activities to be conducted pursuant to the license or amendment;

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response Section 2.1.3: *Please provide MILDOS input and output files from which the results presented in the "2008 MILDOS Evaluation" (Appendix C of Environmental Report for Cell 4B, Revised September 11, 2009) were summarized.*

Compare the operational doses projected by MILDOS modeling to doses inferred from air monitoring results (operational). Demonstrate that the inferred operational doses corroborate MILDOS results and provide confidence that applicable regulations will be satisfied during operations and following closure, reclamation, and decommissioning.

Follow up to DUSA Response Section 2.1.9: *Provide a sensitivity analysis to demonstrate whether reasonable variations in MILDOS input parameters (related to Cell 4B performance) due to*

uncertainty will change the conclusion of these analyses (i.e., that projected doses are less that regulatory limits).

Follow up to DUSA Response Section 2.1.12: *Describe the training program developed and implemented to prepare facility workers to implement the procedures defined in Appendices G, H, and I Revision 2 of the Emergency Response Plan (dated April 20, 2009). Please describe document trainings conducted in the last two to five years under this training program.*

BASIS FOR ROUND 2 INTERROGATORY:

Responses provided in Sections 2.1.1, 2.1.2, 2.1.4 through 2.1.8, 2.1.10, and 2.1.11 of DUSA's Round 1 Responses appear to be acceptable. However, although responses to Round 1 interrogatories adequately address most issues, some matters require minor additional elaboration and details to allow the division to substantiate the conclusions, as requested in the foregoing.

Denison Response:

2.1.1 Follow up to DUSA Response Section 2.1.3

The MILDOS input and output files from which the results presented in the "2008 MILDOS Evaluation" (Appendix C of the 2008 ER) were summarized, are included in Attachment A to this letter.

2.1.2 Follow up to DUSA Response Section 2.1.9

A sensitivity analysis demonstrating that reasonable variations in MILDOS input parameters (related to Cell 4B performance) do not change the conclusion of the 2008 MILDOS Evaluation, will be provided under separate cover.

2.1.3 Follow up to DUSA Response Section 2.1.12

The Mill's training program is described in Section 6.3 of the 2007 License Renewal Application. The training program was subsequently revised, as described in a letter dated May 15, 2009 from Denison to the Executive Secretary. The Mill's training program applies to the Mill generally and to the Mill's tailings cells as a whole, and is currently being reviewed by the Executive Secretary as part of the 2007 License Renewal Application review process. The United States Mines Safety and Health Administration ("MSHA") also reviews and approves the Mill's training program.

Addendum 5 of the Mill's current training program addresses general emergency procedures. Those procedures take into account the general shutdown of operational activities during an emergency evacuation event. During new hire training, the Emergency Response Plan is presented and specific items are covered including procedures and actions to take during the different emergency scenarios. The instructor covers the roles and responsibilities of each

person, the organizational chart and who should be informed and when, and finally where the employees can periodically review the Plan to keep themselves familiar.

During annual refresher training for all employees, this information is again reviewed during the Escape and Emergency Evacuation Plans section. This usually takes place in August of each year. During this training, the instructor will speak to any changes to the existing Plan and then review the main ideas for the various scenarios. This information is presented orally with general feedback used as the evaluation method of knowledge.

All employees who receive training at the facility are documented using the MSHA 5000-23 form. These documents show the training received, i.e. Annual Refresher, Newly Employed Inexperienced Miner, or Experienced Miner. The amount of training each employee receives will vary depending on his or her classification upon hire. These documents are housed in the employee's Safety folders which are maintained in the Mill's Radiation Safety Officer's office. The documents do not specifically state the topics covered. That information is taken from the approved training required by MSHA.

2.2 *INTERROGATORY WHITE MESA CELL 4B UAC R313-24-3-01B/02: ENVIRONMENTAL ANALYSIS - IMPACT ON WATERWAYS AND GROUNDWATER*

REGULATORY BASIS:

UAC R313-24-3:

(1) Each new license application, renewal, or major amendment shall contain an environmental report describing the proposed action, a statement of its purposes, and the environment affected. The environmental report shall present a discussion of the following:

> *(b) An assessment of any impact on waterways and groundwater resulting from the activities conducted pursuant to the license or amendment;*

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.2.2**: Please provide the following:*

- *Copies of drillers' logs (well logs) for private wells located within one mile of the site that are not owned or operated by the Mill (required by Utah R317-6-6) or describe previous investigations that concluded that no such well logs existed*
- *Information regarding the existence or lack of pending water rights within a 5-mile radius of the Mill Site; and*
- *Information regarding projected future changes in surface water and groundwater use within a 5-mile radius of the Mill Site, or, alternatively, justification that no changes in such uses are projected to occur together with information justifying that such changes in the vicinity of the Mill Site during the operational period are unlikely.*

BASIS FOR ROUND 2 INTERROGATORY:

Responses provided in Sections 2.2.1, 2.2.3, and 2.2.4 of DUSA Round 1 Responses are acceptable.

Regulatory Guide 3.8 Rev 2 indicates that "present ***and projected*** *groundwater uses" within ten miles of the Site should be identified/characterized.*

R317-6-6 (6.3.E) requires "Geologic, hydrologic, and agricultural description of the geographic area ***within a one-mile radius of the point of discharge****, including soil types, aquifers, ground water flow direction, ground water quality, aquifer material,* ***and well logs.***

Denison Response:

- *Copies of drillers' logs (well logs) for private wells located within one mile of the site that are not owned or operated by the Mill (required by Utah R317-6-6) or describe previous investigations that concluded that no such well logs existed*

A search of the State of Utah, Division of Water Rights yielded information on six shallow wells located within one mile of the site. Two of the wells are located on the property owned by Denison, and have been previously described. These are the Hawkins and Jones wells. The records did contain a drill log for the Hawkins well, a copy of which is included as Attachment B. The file also included correspondence on appropriation of the water rights. The Hawkins well was plugged as a part of the construction of Tailings Cell 2. No driller's log was available for the Jones well, although the file did include correspondence on appropriation of the water rights, a listing of which is included in Attachment B. Both of these wells are downgradient or crossgradient to the Mill and tailings area.

Information was obtained on four other wells located up gradient and cross gradient (to the east) of the Mill property. Records for the Holt well contained no drill logs, but did have an extensive correspondence file. Two wells drilled by Dale Lyman did have drill logs, but no application number or correspondences file. The "USA Utah Launch Complex White Sands Missile Range" drilled a well east of the Mill site. The records did contain an extensive correspondence file but no drill log. Copies of the Lyman drill logs and the correspondence list for the other wells is included in Attachment B.

- *Information regarding the existence or lack of pending water rights within a 5-mile radius of the Mill Site*

The State of Utah Division of Water Rights listed two hundred sixty-one ground water appropriations within a 5 mile radius of the Mill. A summary of this list was included as Table 2.2.1-1 in the December 23, 2009 Response Letter. The legend to Table 2.2.2-1 was inadvertently omitted for that submittal. The legend clarifies the status of each of the water rights as Approved, Perfected, Terminated, or Unapproved. The legend is included as

Attachment C. Neither the list, nor the Division of Water Rights web site, lists pending water rights.

- *Information regarding projected future changes in surface water and groundwater use within a 5-mile radius of the Mill Site, or, alternatively, justification that no changes in such uses are projected to occur together with information justifying that such changes in the vicinity of the Mill Site during the operational period are unlikely.*

No significant changes are expected to occur in the surface water or groundwater use within a 5-mile radius of the Mill site. Surface water flows in the vicinity of the Mill site are intermittent, fed only by storm water runoff and seasonal snow melt. Several springs, located in the canyon walls east and west of the Mill site provide very small, seasonal contributions to surface water flows, but only Ruin Spring, located over two miles to the southwest of the Mill site provides enough water to support wildlife and cattle grazing. Prior to Mill construction, several small surface water holding ponds were constructed in the vicinity of the Mill site to trap surface water flows to support cattle grazing. Since the construction of Recapture Reservoir in the 1980's, cattle grazing is now supported by stock watering tanks fed from water piped from Recapture Reservoir, and the land use has shifted from dry land farming and grazing to irrigated crops.

Groundwater resources in the vicinity of the Mill site are from the shallow perched zone described in section 7.1 through 7.3 of the 2008 ER, and the deeper Entrada/Navajo Aquifer, described in section 7.4 of the 2008 ER. Groundwater appropriations from the shallow perched zone, within a 5-mile radius of the Mill site, are almost exclusively to the north of the Mill Site, as shown on Figure 1.5-8 of the Reclamation Plan, Rev. 4.0. These shallow groundwater wells have historically supported stock watering needs and domestic water supplies for individual households on the southern side of the City of Blanding. Denison controls the land approximately 1.6 miles to the north of the Mill, so no additional shallow wells can be drilled within that area. Existing wells are all upgradient of the Mill site and therefore will not be impacted by Mill operations. The land to the east and west of the Mill site is owned by State and Federal agencies. Therefore it is highly unlikely that a residential development or single family home would be constructed on land adjacent to the Mill property. Even if that were to occur, it is highly likely that domestic water would be supplied from the city of Blanding distribution system, which now extends past the municipal airport on the southern edge of the City.

The only known use of groundwater within a 5-mile radius to the south of the Mill site is the community of White Mesa which draws domestic water from two deep wells drilled into the Entrada/Navajo Aquifer. These wells are located approximately 2 miles southeast of Denison's southern property boundary, and just under five miles southeast of tailings Cell 4A. Denison also has five deep wells drilled into the Entrada/Navajo Aquifer, located north, east and south of the Mill facilities. The deep wells utilized by the community of White Mesa currently supply all the water needed for domestic use. Should the population of the community grow beyond the available water from the two deep wells, a third well could be drilled, or more likely the community could implement existing plans to extend the pipeline supplying domestic water from the city of Blanding distribution system.

2.3 *INTERROGATORY WHITE MESA CELL 4B UAC R313-24-3-01D/02: ENVIRONMENTAL ANALYSIS – LONG-TERM IMPACTS*

REGULATORY BASIS:

UAC R313-24-3:

(1) Each new license application, renewal, or major amendment shall contain an environmental report describing the proposed action, a statement of its purposes, and the environment affected. The environmental report shall present a discussion of the following:

> *(d) Consideration of the long-term impacts including decommissioning, decontamination, and reclamation impacts, associated with activities to be conducted pursuant to the license or amendment.*

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.4.1 through 2.4.10:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*
>
> *Prior to the Division's acceptance and authorization for use of Cell 4B, revise the Reclamation Plan to address the addition of Cell 4B and all related or affected topics and account for revised design criteria (such as design basis seismic forces). The revision should address and resolve the following issues:*

- *Tailings compressibility and rate of consolidation.*
- *Tailings shear strength, including, for sensitive soils, possible loss of shear strength.*
- *Tailings swelling and shrinkage.*
- *The use of these two cells for disposal, which will· directly impact the length of slopes, precipitation runoff rates and volumes, design of the top cap, and design of the cap side slopes including rock sizing and fill depth.*
- *Liquefaction of the tailings and settlement within the tailings according to guidance of NUREG-1620.*

- *Final cover and long-term stabilization design for the facility according to guidance of NUREG-1620.*

- *Radiation protection design (for radon and gamma radiation attenuation).*

- *Potential for clay layer cracking and desiccation.*

- *Long-term moisture content for radon barrier material.*

- *Ability of the cover system to respond without damage to whatever settlement and differential settlement may occur following construction of the cover.*

- *Stability against intermixing of cover layers with different size gradations.*

- *Protection provided clay layers from freeze-thaw damage and desiccation.*

- *Protection provided against wind and water erosion.*

- *Protection provided of the radon barrier against biointrusion by deep-rooted plants and burrowing animals.*

- *Costs of constructing the cover system.*

- *Estimate decontamination criteria derived concentration guidelines (DCGLs) for primary radionuclides.*

- *State data quality objectives (DQOs) for radiological surveys and sampling.*

- *Provide final verification (status survey) plans and procedures.*

- *Present details (including sketches) of the disposal cell cover termination at boundaries, with any considerations for safely accommodating subsurface water flows.*

- *Evaluate potential degradation of components of the liner system; potential degradation of the final cover system layers/components; and the effects of such degradation on long-term infiltration rates through the final cover system, and on long-term infiltration rates through the liner systems in the cells (including Cell 4B) and on the potential for accumulation of water within the disposal cells, including Cell 4B.*

BASIS FOR ROUND 2 INTERROGATORY:

The Division will incorporate new license and permit conditions to ensure that the promised revisions to the cover design and Reclamation Plan are provided and approved before Cell 4B is placed into service.

Denison Response:

The Mill currently has an approved reclamation plan for tailings cells 1, 2 and 3. This is Revision 3 of the Reclamation Plan, dated July 2000, which was approved by NRC on July 21, 2000 (see Attachment G to this letter), as meeting all applicable regulatory criteria, including those enumerated above. Amendments to Revision 3 of the Reclamation Plan relating to Cell 4A, as set out in a letter from Denison to the Executive Secretary dated July 25, 2008, were approved by the Executive Secretary prior to Cell 4A being authorized for re-use in September 2008

By a letter dated November 24, 2009, Denison submitted the Reclamation Plan, Rev. 4.0 as a new Appendix P to the 2007 License Renewal Application, as contemplated by Denison's August 14, 2009 response to the Executive Secretary's Engineering Comment Interrogatories – Round 1, Nos. I-A, I-B, I-F, I-G, I-H, I-I, I-J, and I-K relating to the 2007 License Renewal Application.

Revision 4.0 represents an update to Revision 3.0 of the Plan to reflect approved changes to the Plan and to update outdated information, since the Plan as a whole was approved by NRC in 2000. However, while Revision 4.0 incorporates a number of updates to the Plan, the substantive provisions of the Plan were not changed.

The principal revisions and updates to the Plan that are incorporated into Revision 4.0 include:

- The addition of approved provisions relating to the Cell 1 Tailings Disposal Area;
- The addition of approved provisions relating to Cell 4A as an operating tailings cell, including the updates to the Plan conveyed by Denison's letter of July 25, 2008;
- updates to plans and figures, as applicable, to reflect current conditions;
- administrative changes to reflect transfer of primary regulatory authority over the Mill site from NRC to UDEQ and the change in the name of Denison from International Uranium (USA) Corporation;
- administrative changes in the nature of "clean-up" for internal consistency of the document;
- updates to various information, including the following:
    - updated climate data;
    - updated archaeological status for the site;
    - updated sections relating to surface water, groundwater, site hydrogeology, seeps and springs etc. to reflect new information about the site since 2000;
    - other various updates to environmental information; and
    - updated disclosure relating to current monitoring programs, particularly describing new groundwater and DMT monitoring requirements at the site since 2000.

The current surety for the Mill, including surety for the reclamation of Cells 1, 2, 3 and 4A is based on the application of the provisions of the Reclamation Plan, Rev. 4.0. The Executive Secretary is currently in the process of reviewing the Reclamation Plan, Rev. 4.0 as part of the 2007 License Renewal review process. As part of the 2007 License Renewal Application review

process, the Executive Secretary will confirm that all of the foregoing requirements have been adequately addressed in the Reclamation Plan, Rev. 4.0. There is therefore no need for DRC to also consider those same issues as part of the Cell 4B review process.

Denison is also in the process of completing an infiltration and contaminant transport model of the final tailings cover system (the "Infiltration Study") to demonstrate the long-term ability of the cover to protect nearby groundwater quality, as required by Part I.H.11 of the GWDP. Upon review of that infiltration modeling, the Executive Secretary will determine if changes to the cover system as set out in Revision 4.0 of the Plan are needed to ensure compliance with the performance criteria contained in Part I.D.8 of the GWDP. The Plan will be amended to incorporate any such changes. However, as the details of any such changes have not been finalized at this time, the approved 2000 cover design and basis continue to be used for the Reclamation Plan, Rev. 4.0.

Based on discussions with DRC staff and its advisors on January 19, 2010, Denison's understanding is that Cell 4B will not be permitted to operate until an updated surety is in place, based on the then currently approved version of the Reclamation Plan. If the Reclamation Plan, Rev. 4.0 is the then approved version of the Reclamation Plan, the cover design and other design elements approved in that version of the Plan will be extended to apply to Cell 4B, and the Plan will be amended accordingly. The revised surety will be based on the amended plan. If, at the time of commencement of operation of Cell 4B, the Executive Secretary has approved amendments to the Reclamation Plan, Rev. 4.0, either as a result of the 2007 License Renewal Application review process or as a result of the Infiltration Study, then such amendments will apply to Cell 4B and the revised surety. Any changes to the Reclamation Plan made after commencement of operations of Cell 4B, either through the 2007 License Renewal Application review process, the Infiltration Study or otherwise, will apply to all tailings cells, and the surety will be revised at that time to reflect any such amendments.

However, it is Denison's understanding that the operation of Cell 4B will not be conditional upon any revisions or updates to the Reclamation Plan, other than as required to extend the then currently approved provisions of the Reclamation Plan to include the addition of Cell 4B.

2.4 *INTERROGATORY WHITE MESA CELL 4B 10CFR40.26(C)(2)-02/02: GENERAL LICENSE*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40.26(c)(2)*: The general license in paragraph (a) of this section is subject to the documentation of daily inspections of tailings or waste retention systems and the immediate notification of the Executive Secretary, of any failure in a tailings or waste retention system that results in a release of tailings or waste into unrestricted areas, or of any unusual conditions (conditions not contemplated in the design of the retention system) that if not corrected could lead to failure of the system and result in a release of tailings or waste into unrestricted areas; and any additional requirements the Executive Secretary may by order deem necessary. The licensee shall retain this documentation of each daily inspection as a record for three years after each inspection is documented.*

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.5*: Please identify the NRC's licensing action in which the proposed system for inspecting, reporting, and retaining documents was accepted.*

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the NRC's previous licensing reviews have accepted the system of inspections, reporting, and retaining documents currently used at the White Mesa mill facility.

No actions are required that are unique to Cell 4B and no related conditions exist that are influenced by construction of Cell 4B.

Denison Response:

The system of inspections, reporting, and retaining documents used at the Mill is set out in the Mill's original License application and in subsequent renewal applications. The most recently approved License renewal application was submitted to NRC in August, 1991 and was approved by NRC in March 1997, at which time NRC renewed the License for 10 years, expiring on March 31, 2007. Denison submitted the 2007 License Renewal Application in February 2007, thereby placing the License into timely renewal.

The Executive Secretary is currently in the process of reviewing the 2007 License Renewal Application. Matters relating to the Mill's system of inspections, reporting, and retaining documents currently used at the Mill are set out in the 2007 License Renewal Application. Specifically, Section 6.3 of the 2007 License Renewal Application describes the Mill's systems relating to Management Controls, the ALARA Program, Training and Security, and refers to a number of Standard Operating Procedures, such as the Mill's Environmental Protection Manual, Radiation Protection Manual and ALARA Program that are appended to the 2007 License Renewal Application and which further detail the Mill's systems of inspections, reporting and retaining documents.

The Executive Secretary will make a determination as to whether or not such systems satisfy all regulatory requirements as part of the 2007 License Renewal Application review process. Those matters apply to the Mill generally and the Mill's tailings system as a whole and not to Cell 4B alone, and are therefore more appropriately part of the License renewal review process rather than the review process for Cell 4B.

Similar descriptions of the Mill's systems of inspections, reporting and retaining documents are set out in Section 5.0 of the Mill's August 23, 1991 License Renewal Application, in support of the Mill's 1997 License Renewal, and in Mill Standard Operating Procedures referred to and attached to that application. NRC evidenced its approval of all such systems through the renewal of the License in 1997 for a further 10-year period, expiring on March 31, 2007. License Condition 9.3 of the Mill's renewed NRC Source Material License stated:

"The licensee shall conduct operations in accordance with statements, representations, and conditions contained in the license renewal application submitted by letter dated August 23, 1991, as revised by submittals dated January 13, and April 7, 1992, November 22, 1994, July 27, 1995, December 13, and December 31, 1996, and January 30, 1997, which are hereby incorporated by reference, and for the Standby Trust Agreement, dated April 29, 1997, except where superseded by license conditions below."

Condition 9.3 of the Mill's current License contains similar language.

2.5 *INTERROGATORY WHITE MESA CELL 4B 10CFR40.31(H)-03/02: APPLICATION FOR SPECIFIC LICENSES*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40.31(h)*: An application for a license to receive, possess, and use source material for uranium or thorium milling or byproduct material, as defined in 10CFR40, at sites formerly associated with such milling shall contain proposed written specifications relating to milling operations and the disposition of the byproduct material to achieve the requirements and objectives set forth in Appendix A of 10CFR40. Each application must clearly demonstrate how the requirements and objectives set forth in Appendix A of 10CFR40 have been addressed. Failure to clearly demonstrate how the requirements and objectives in Appendix A have been addressed shall be grounds for refusing to accept an application.*

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.6*: Please identify the NRC's licensing action in which the written procedures were accepted.*

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the NRC's previous licensing reviews have accepted the written White Mesa specifications relating to milling operations and the disposition of the resulting byproduct material prepared to achieve the requirements and objectives set forth in Appendix A of 10 CFR Part 40.

No actions are required that are unique to Cell 4B and no related conditions exist that are influenced by construction of Cell 4B.

Denison Response:

See the response to item 2.4 above. The written Mill specifications relating to milling operations and the disposition of the resulting byproduct material prepared to achieve the requirements and objectives set forth in Appendix A of 10 CFR Part 40 are contained in Sections 4.0 and 5.0 of the 2007 License Renewal Application and in Sections 3.0 and 4.0 of the 1992 License Renewal Application. NRC approval of those specifications is evidenced by License Condition 9.3 of the License. Those specifications are currently being reviewed by the Executive Secretary as part of the 2007 License Renewal Application review process.

2.6 *INTERROGATORY WHITE MESA CELL 4B 10CFR40.61-06/02: RECORDS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40.61:

(a) Each person who receives source or byproduct material pursuant to a license issued pursuant to the regulations in 10CFR40 shall keep records showing the receipt, transfer, and disposal of this source or byproduct material as follows:

(1) The licensee shall retain each record of receipt of source or byproduct material as long as the material is possessed and for three years following transfer or disposition of the source or byproduct material.

(2) The licensee who transferred the material shall retain each record of transfer or source or byproduct material until the Executive Secretary terminates each license that authorizes the activity that is subject to the recordkeeping requirement.

(3) The licensee shall retain each record of disposal of source or byproduct material until the Executive Secretary terminates each license that authorizes the activity that is subject to the recordkeeping requirement.

(4) If source or byproduct material is combined or mixed with other licensed material and subsequently treated in a manner that makes direct correlation of a receipt record with a transfer, export, or disposition record impossible, the licensee may use evaluative techniques (such as first-in-first-out), to make the records that are required by 10CFR40 account for 100 percent of the material received.:

(b) The licensee shall retain each record that is required by the regulations in 10CFR40 or by license condition for the period specified by the appropriate regulation or license condition. If a retention period is not otherwise specified by regulation or license condition, each record must be maintained until the Executive Secretary terminates the license that authorizes the activity that is subject to the recordkeeping requirement.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.7*: Please identify the NRC's licensing action in which the proposed system for creating records and managing, retaining, and transferring them was accepted.*

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the NRC's previous licensing reviews have accepted the current system for creating records and managing, retaining, and transferring them.

No actions are required that are unique to Cell 4B and no related conditions exist that are influenced by construction of Cell 4B.

Denison Response:

See the response to item 2.4 above. Direct requirements of the applicable regulations, such as the time period for which records must be retained, apply to the Mill facility independently of the Mill's procedures, and need not be repeated or reflected in the procedures themselves.

2.7 *INTERROGATORY WHITE MESA CELL 4B 10CFR40 APPENDIX A, CRITERION 1-10/02: PERMANENT ISOLATION WITHOUT ONGOING MAINTENANCE*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40 Appendix A, Criterion 1*: The general goal or broad objective in siting and design decisions is permanent isolation of tailings and associated contaminants by minimizing disturbance and dispersion by natural forces, and to do so without ongoing maintenance. For practical reasons, specific siting decisions and design standards must involve finite times (e.g., the longevity design standard in Criterion 6). The following site features which will contribute to such a goal or objective must be considered in selecting among alternative tailings disposal sites or judging the adequacy of existing tailings sites:*

- *Remoteness from populated areas;*
- *Hydrologic and other natural conditions as they contribute to continued immobilization and isolation of contaminants from ground-water sources; and*
- *Potential for minimizing erosion, disturbance, and dispersion by natural forces over the long term.*

The site selection process must be an optimization to the maximum extent reasonably achievable in terms of these features.

In the selection of disposal sites, primary emphasis must be given to isolation of tailings or wastes, a matter having long-term impacts, as opposed to consideration only of short-term convenience or benefits, such as minimization of transportation or land acquisition costs. While isolation of tailings will be a function of both site and engineering design, overriding consideration must be given to siting features given the long-term nature of the tailings hazards. Tailings should be disposed of in a manner that no active maintenance is required to preserve conditions of the site.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response Section 2.11.1 and 2.11.2: *Demonstrate that the need for active maintenance will be minimal following facility closure, reclamation, and stabilization (Refer to Interrogatory White Mesa Cell 4B UAC R313-24-3-01D/02, found above)*

BASIS FOR ROUND 2 INTERROGATORY:

Minimizing the need for active maintenance following facility closure, reclamation, and stabilization depends on several factors, including: stability within the tailings placed within the Cell; ability of the cover system to respond without damage to whatever settlement and differential settlement may occur following construction of the cover; stability against intermixing of cover layers with different size gradations; protection provided clay layers from freeze-thaw damage and desiccation; protection provided against wind and water erosion; and radon barrier protection provided against biointrusion by deep-rooted plants and burrowing animals. While most of these issues can only be addressed once the cover design is revised, stability of tailings placed within the cell, including dewatering, must be addressed as a part of the Reclamation Plan review and approval.

The information requested in Interrogatory White Mesa Cell 4B UAC R313-24-3-01D/02 also addresses these issues.

Denison Response:

As a part of the evaluation of the revised cover design for all tailings cells, as part of the Infiltration Study, the following design criteria will be evaluated:

- the ability of the cover system to respond without damage to whatever settlement and differential settlement may occur following construction of the cover;
- stability against intermixing of cover layers with different size gradations; protection provided to clay layers, if applicable, from freeze-thaw damage and desiccation;
- protection provided against wind and surface water erosion; and,

- protection of the radon barrier against biointrusion by deep-rooted plants and burrowing animals.

With respect to Cell 4B, prior to placement of the approved cover, all the free water will be evaporated or pumped from the Cell and the tailings sands will be graded to ensure that the final tailings elevations and contours are according to the approved design. The initial layer of the reclamation cap, the platform fill, will be installed over the contoured sands. This activity may take place in increments as distinct portions of the cell are filled. The purpose of the platform fill is to minimize the amount of radon emanating from the tailings sands, minimize the potential for windblown tailings and to place a surcharge on the tailings sand to aid in dewatering. Once the cell is filled and the free water has been evaporated or pumped from the Cell, the slimes drain system will be actively pumped to remove as much solution as possible from the tailings sands and slimes. Dewatering of the tailings sands will allow the sands and slimes to consolidate, reducing the potential differential settlement after final cover placement, and reducing the potential for liquefaction of the tailings sands during possible seismic events. The slimes drain design and dewatering modeling is presented in the Design Report, Appendix D. All these factors will help to ensure that the final cover installation is maintenance free once the site is turned over to the U.S. Department of Energy ("DOE") for long term surveillance and monitoring. Because of the unique site for the Mill tailings, potential surface water inflows are very small and easily diverted and managed by engineering design, without massive diversion structures. The cover design will also provide for reduction of all perimeter slopes to 5h:1v, or less, to ensure that active management and repair of the slopes is not required.

2.8 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 3-12/02: PLACEMENT BELOW GRADE*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 3*: The "prime option" for disposal of tailings is placement below grade, either in mines or specially excavated pits (that is, where the need for any specially constructed retention structure is eliminated). The evaluation of alternative sites and disposal methods performed by mill operators in support of their proposed tailings disposal program (provided in applicants' environmental reports) must reflect serious consideration of this disposal mode. In some instances, below grade disposal may not be the most environmentally sound approach, such as might be the case if a ground-water formation is relatively close to the surface or not very well isolated by overlying soils and rock. Also, geologic and topographic conditions might make full below grade burial impracticable: For example, bedrock may be sufficiently near the surface that blasting would be required to excavate a disposal pit at excessive cost, and more suitable alternative sites are not available. Where full below grade burial is not practicable, the size of retention structures, and size and steepness of slopes associated exposed embankments must be minimized by excavation to the maximum extent reasonably achievable or appropriate given the geologic and hydrologic conditions at a site. In these cases, it must be demonstrated that an above grade disposal program will provide reasonably equivalent isolation of the tailings from natural erosional forces.*

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.13**: Please identify the NRC's licensing action in which the proposed and existing system for managing and disposing of tailings was accepted.*

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the NRC's previous licensing reviews have accepted the proposed and actually constructed system of tailing management facilities involving placement both below-grade and above-grade.

Denison Response:

The first stage construction of the Mill's Tailings Management System, consisting of Cell 1 (originally designated Cell 1-I), Cell 2, and the Cell 2 Safety Dike (Cell 3 Dike) was authorized by NRC License Amendment 1, to SUA-1358, on October 12, 1979. The authorization referred to design documents, questions and responses during the review of the design. A copy of the License Amendment is included in Attachment D.

The second stage construction of the Mill's Tailings Management System, consisting of cell excavation and lining was authorized by NRC License Amendment 10, to SUA-1358, on February 10, 1982. The authorization referred to design documents, questions and responses during the review of the design, and was essentially a revision to the earlier construction authorization of the first stage construction. A copy of that License amendment is included in Attachment D.

Construction and operation of Cell 4A was authorized by NRC License Amendment 20, to SUA-1358, on March 1, 1990. The authorization referred to design documents, questions and responses during the review of the design, and was essentially a revision to the earlier construction authorization of the first stage construction. The authorization also set maximum solution elevations for Cell 1, Cell 3 and Cell 4A. A copy of that License amendment is included in Attachment D.

2.9 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 4-13/02: LOCATION AND DESIGN REQUIREMENTS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 4: The following site and design criteria must be adhered to whether tailings or wastes are disposed of above or below grade.

(a) Upstream rainfall catchment areas must be minimized to decrease erosion potential and the size of the floods which could erode or wash out sections of the tailings disposal area.

(b) Topographic features should provide good wind protection.

(c) Embankment and cover slopes must be relatively flat after final stabilization to minimize erosion potential and to provide conservative factors of safety assuring long-term stability. The broad objective should be to contour final slopes to grades which are as close as possible to those which would be provided if tailings were disposed of below grade; this could, for example, lead to slopes of about 10 horizontal to 1 vertical (10h:1v) or less steep. In general, slopes should not be steeper than about 5h:1v. Where steeper slopes are proposed, reasons why a slope less steep than 5h:1v would be impracticable should be provided, and compensating factors and conditions which make such slopes acceptable should be identified.

(d) A full self-sustaining vegetative cover must be established or rock cover employed to reduce wind and water erosion to negligible levels.

Where a full vegetative cover is not likely to be self-sustaining due to climatic or other conditions, such as in semi-arid and arid regions, rock cover must be employed on slopes of the impoundment system. The Executive Secretary will consider relaxing this requirement for extremely gentle slopes such as those which may exist on the top of the pile.

The following factors must be considered in establishing the final rock cover design to avoid displacement of rock particles by human and animal traffic or by natural process, and to preclude undercutting and piping:

- *Shape, size, composition, and gradation of rock particles (excepting bedding material average particles size must be at least cobble size or greater);*
- *Rock cover thickness and zoning of particles by size; and*
- *Steepness of underlying slopes.*

Individual rock fragments must be dense, sound, and resistant to abrasion, and must be free from cracks, seams, and other defects that would tend to unduly increase their destruction by water and frost actions. Weak, friable, or laminated aggregate may not be used.

Rock covering of slopes may be unnecessary where top covers are very thick (or less); bulk cover materials have inherently favorable erosion resistance characteristics; and, there is negligible drainage catchment area upstream of the pile and good wind protection as described in points (a) and (b) of this Criterion.

Furthermore, all impoundment surfaces must be contoured to avoid areas of concentrated surface runoff or abrupt or sharp changes in slope gradient. In addition to rock cover on slopes, areas toward which surface runoff might be directed must be well protected with substantial rock cover (rip rap). In addition to providing for stability of the impoundment system itself, overall stability, erosion potential, and geomorphology of surrounding terrain must be evaluated to assure that there are not ongoing or potential processes, such as gully erosion, which would lead to impoundment instability.

(e) The impoundment may not be located near a capable fault that could cause a maximum credible earthquake larger than that which the impoundment could reasonably be expected to withstand. As used in this criterion, the term "capable fault" has the same meaning as defined in section III(g) of Appendix A of 10 CFR Part 100. The term "maximum credible earthquake" means that earthquake which would cause the maximum vibratory ground motion based upon an evaluation of earthquake potential considering the regional and local geology and seismology and specific characteristics of local subsurface material.

(f) The impoundment, where feasible, should be designed to incorporate features which will promote deposition. For example, design features which promote deposition of sediment suspended in any runoff which flows into the impoundment area might be utilized; the object of such a design feature would be to enhance the thickness of cover over time.
Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response Section 2.14, All Topics: *Through reference made to local and regional demographics, economics, and similar data and projections used by others for planning, please explain and justify the assertion that conditions near the facility addressed in this response have not changed.*

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.14.8:

- *Please provide an updated seismic hazard evaluation to support the final closure design of Cell 4B.*
- *Please clarify whether the updated seismic hazard analysis is a deterministic or probabilistic analysis and provide information justifying selection of that method.*
- *Please incorporate and reference information from the most recent USGS National Seismic Hazard Maps information (HSHM) in the updated evaluation as appropriate (USGS 2008 and 2009).*
- *Please estimate and describe any soil amplification effects, if applicable, that will be considered in the final closure design of Cell4B.*
- *Justify that seismic ground motions for the final cell closure designs have been developed for a 10,000 year recurrence (as opposed to a shorter recurrence period used for evaluating the seismic hazard analysis for the operational phase).*
- *Consider and incorporate appropriate/updated ground motion attenuation relationships in the evaluation, as appropriate.*

- *Consider other potentially relevant information in the updated estimation of seismic ground motions, such as Wong and Humphrey 1989; Frankel 1995; Wong et al. 1996; SSHAC 1997; USGS 2002; Brumbaugh (2005); and NRC (2007).*

- *Incorporate most recent data on seismic events in the region and address impact of revised data, seismic hazard assessment, and updated ground motion estimates on the final closure design criteria.*

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.14.19 through 2.14.25: *Issues not fully addressed by DUSA Response Sections 2.14.19 through 2.14.25 are pursued in Interrogatory White Mesa Cell 4B UAC R313-24-3-01D/02 stated above.*

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.14.26:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Please include information as appropriate to reflect updated criteria contained in NUREG-1623 (NRC 2002) regarding acceptability of rock for use in areas that the NRC may classify as "frequently saturated areas", including rock toe apron areas at the toes of the closed cell outslopes, to be addressed in the final closure design. Specifically, indicate that rock from the Brown Canyon Site borrow site would be rejected from use in the rock toe apron areas at the base of the toes of cell outslopes in the final closure design.

BASIS FOR ROUND 2 INTERROGATORY:

Responses provided in Response Sections 2.14.1 through 2.14.7 and 2.14.9 through 2.14.18 are acceptable.

Basis for Follow up to Response Section 2.14.8: *Based on review of the Cell 4B Design Report, DUSA's Reponses to the Round 1 Interrogatories submitted on the Cell 4B Design Report, and the seismic hazard evaluation information presented in the Reclamation Plan, Rev. 4, additional information needs to be provided to demonstrate the adequacy (and currency) of the determination of an appropriate maximum predicted horizontal ground acceleration (MHGA) for the site for the final closure design of the White Mesa disposal cells, including Cell 4B. Specifically, information needs to be provided to demonstrate that the proposed MHGA value used for final cell closure design reflects the most current information available.*

The Reclamation Plan Rev. 4.0 states "The evaluations made by LLNL were conservative to account for tectonically active regions that exist, for example, near Moab, Utah". The probabilistic seismic hazard analysis is used to estimate the mean hazard at the site, and, if properly performed, need not be conservative or unconservative.

Attachment C to Exhibit B to DUSA's Responses to the Rd 1 Interrogatories (MFG, Inc. 2006) submitted on the Cell 4 B Design Report (DUSA 2009) does not address updated information developed in 2007 regarding attenuation relationships which are applicable to the estimation of ground motions for use in the long-term closure design for the disposal cells at the site, including Cell 4B. More recent/updated information is currently available that was not available at the time (2006) a seismic evaluation study completed to support the design of Cell 4A (MFG, Inc. 2006). The primary purpose of the 2006 seismic evaluation study (MFG, Inc. 2006) was to evaluate seismic hazards that need to be considered for the operation of what was designated in that report as "Cell 4" at the White Mesa Mill Site.

The Pacific Earthquake Engineering Research (PEER) Center Next Generation Attenuation (NGA) relationships were released in 2007 (Abrahamson and Silva 2007). Additionally, a model presented by Campbell and Bozorgnia in 2003 was modified in a subsequent 2007 study (Campbell and Bozorgnia 2007).

Additionally, calculations of peak ground acceleration (PGA), presented in Attachment C to Exhibit B in DUSA's Response to the Round 1 Interrogatories for the Cell 4B Design Report, referenced and used a 2002 USGS NSHM for peak ground and special acceleration. A more recent set of USGS NSHM maps (USGS 2008 and 2009) are available and should be considered, and the updated information incorporated and referenced in the updated analysis as appropriate. NRC Regulatory Guide 1.208 (NRC 2007) also provides relevant updated guidance for developing site-specific seismic ground motion estimates.

Attachment E to the Cell 4B Reclamation Plan Rev. 4 includes and references a 1999 Probabilistic Seismic Risk Assessment Memo (Knight Piesold 1999) as part of the basis for estimating the MHGA. That older evaluation does not reflect more recent information that is relevant for such an evaluation, and needs to be revised.

To support an assessment of the adequacy of the final closure design for the tailings disposal cells, the seismic hazard evaluation and estimation of long-term ground motions need to be updated to reflect more recent relevant and applicable information, and address the occurrence and magnitude of estimated seismic ground motions over a 10,000-year recurrence period (e.g., NRC Regulatory Guide 1.208 2007; MFG, Inc 2006, p. 2) The updated seismic ground motion estimate should describe whether deterministic or probabilistic methodologies were used to derive the estimated MHGA value, and provide information to support the use of the methodology employed. The updated evaluations should incorporate, as appropriate, more recent information that is directly pertinent to such an evaluation.

Basis for Follow up to Response Section 2.14.26 Regarding Rock Cover: *Guidance contained in Section 7.2 of Appendix D of NUREG-1623 (NRC 2002), issued after the NRC's review of the 2000 version (Rev 3.0) of the Reclamation Plan (IUC 2000), indicates that, because (critical) areas that are frequently saturated are generally more vulnerable to weathering than occasionally saturated areas where freeze/that and wet/dry cycles occur less frequently, rocks that have an aggregated rock quality score of less than 65% should be rejected for use in such areas. According to information presented in Attachment H to the Reclamation Plan (Rev 4.0), rock tested from the Brown Canyon Site borrow site score less than 65% and so would be*

rejected from use in the rock toe apron areas at the base of the toes of cell outslopes in the final closure design (Section 3.3.5 of Reclamation Plan, Rev 4.0; and Section 6.0 and Figure A-5.1-4 of Attachment A to that Reclamation Plan). The Reclamation Plan and Plans and Specifications for Reclamation do not present this information/finding, and are therefore lacking.

Implementing the final closure design, if found acceptable, depends on availability of adequate quantities of suitable materials. Should insufficient quantities of suitably acceptable rock for use in frequently saturated areas be reasonably and practically available, the viability of the final closure design for these components of the final closure design would be called into question. Demonstration must be provided that adequate quantities are reasonably and practically available.

The issues regarding rock quality raised under Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 6(5)-23/02 below are addressed in this interrogatory.

Denison Response:

2.9.1 Follow up to Response Section 2.14.8

The attached Technical Memorandum, prepared by Tetra Tech, and included as Attachment E, provides an updated Seismic Study for the Mill site.

2.9.2 Follow up to Response Section 2.14.26 Regarding Rock Cover

Attachment H to the Reclamation Plan, Rev. 4.0 presents the investigation and testing detail on three potential borrow sources for the rip rap material needed for the final reclamation cap. The Brown Canyon site was the least preferable of the sites, and also happens to be the second least accessible of the sites. For the cost estimate included as Attachment C to the Reclamation Plan, Rev. 4.0, the North Pit was assumed. The original basis for looking at several potential sites in the area was to ensure that sufficient quantities would be available for the top surface as well as the side slopes and toe aprons. The revised cover design, currently be evaluated as part of the Infiltration Study, eliminates almost all of the rip rap material needed for the top slope, so it is very likely that all needed rip rap material can be obtained from one source. If volume requirements necessitated the use of a second source, additional testing would be conducted on the Brown Canyon site, but absent additional acceptable test results, the Brown Canyon site will be rejected as a potential borrow source for rip rap in areas classified as "frequently saturated areas". The Brown Canyon material could potentially be used in areas not classified as "frequently saturated areas". The revised cover design currently being evaluated will most likely reduce the amount of rip rap material required, and therefore reduce the volumes required for each of the designated source areas.

2.10 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 5A(1)-14/02: GROUND-WATER PROTECTION STANDARDS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 5A(1): The primary ground-water protection standard is a design standard for surface impoundments used to manage uranium and thorium byproduct material. Unless exempted under paragraph 5A(3) of this criterion, surface impoundments (except for an existing portion) must have a liner that is designed, constructed, and installed to prevent any migration of wastes out of the impoundment to the adjacent subsurface soil, ground water, or surface water at any time during the active life (including the closure period) of the impoundment. The liner may be constructed of materials that may allow wastes to migrate into the liner (but not into the adjacent subsurface soil, ground water, or surface water) during the active life of the facility, provided that impoundment closure includes removal or decontamination of all waste residues, contaminated containment system components (liners, etc.), contaminated subsoils, and structures and equipment contaminated with waste and leachate. For impoundments that will be closed with the liner material left in place, the liner must be constructed of materials that can prevent wastes from migrating into the liner during the active life of the facility.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.15**: Please identify the previous NRC's licensing action in which the designs of liners and other components of existing impoundments were reviewed and accepted by NRC and/or the Division.*

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the liners designed, constructed, and installed to prevent any migration of wastes out of the impoundment to the adjacent subsurface soil, ground water, or surface water at any time during the active life (including the closure period) of the impoundment are acceptable to the NRC and the Division.

Denison Response:

See the response to item 2.8 above.

2.11 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 5A(2)-15/02: LINER*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 5A(2): The liner required by paragraph 5A(1) above must be:

(a) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the waste or leachate to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation;

(b) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression, or uplift; and

(c) Installed to cover all surrounding earth likely to be in contact with the wastes or leachate.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.16**: Please identify documents that demonstrate the NRC's and Division's acceptance of equivalent design, for other impoundments, of the liner materials, placement, and installation that are proposed for Cell 4B.*

BASIS FOR ROUND 2 INTERROGATORY:

Independent evidence is required to document that the NRC's previous licensing reviews and the Division's permitting and Cell 4B design review activities have resulted in accepting the proposed liner system.

Denison Response:

See the response to item 2.8 above.

On September 17, 2008, the State of the Executive Secretary authorized the use of the relined Tailings Cell 4A. The relining was completed in accordance with the previously approved Cell 4A Lining System Design Report. A copy of the approval is included in Attachment D.

2.12 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 5A(4)-17/02: 5A(4)-17/02: PREVENT OVERTOPPING*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 5A(4): A surface impoundment must be designed, constructed, maintained, and operated to prevent overtopping resulting from normal or abnormal operations, overfilling, wind and wave actions, rainfall, or run-on; from malfunctions of level controllers, alarms, and other equipment; and from human error.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.17*: Please identify documents that demonstrate the NRC's and Division's acceptance of equivalent engineering design, operation, and maintenance, for other impoundments, of the approach to providing protection against overtopping that is proposed for Cell 4B.*

BASIS FOR ROUND 2 INTERROGATORY:

Independent evidence is required to document that the NRC's previous licensing reviews and the Division's permitting and Cell 4B design review activities have accepted the proposed surface impoundment and concluded that it satisfies all applicable requirements.

Denison Response:

On September 17, 2008, the Executive Secretary authorized the use of the relined Tailings Cell 4A. The relining was completed in accordance with the previously approved Cell 4A Lining System Design Report. A copy of the approval is included in Attachment D. The approval also included the Cell 4A Best Available Technology Operations and Maintenance Plan which included a calculation for measuring the acceptable freeboard. A minimum freeboard of 3.0 feet is specified based on State of Utah regulation, and the Plan also includes a provision for an annual re-calculation of the Cell 4A freeboard based on area and elevation of tailings sands.

Freeboard limits for Cell 1 and Cell 3 (Cell 2 is currently full and does not have a pond area) were initially set on the basis of the 1990 Umetco Minerals Drainage Report, and approved by NRC License Amendment 20, to SUA-1358, on March 1, 1990. The authorization referred to design documents, questions and responses during the review of the design. The authorization also set maximum solution elevations for Cell 1, Cell 3 and Cell 4A. The maximum elevations for Cell 3 and Cell 4A were later modified by the Executive Secretary, by interim variance, to take into account changes in available storage volumes. See the letter dated October 9, 2008 from Denison to the Executive Secretary, and the Executive Secretary's response of November 20, 2008. Copies of those letters are attached as Attachment F.

2.13 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 5A(5)-18/02: DIKES*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 5A(5): When dikes are used to form the surface impoundment, the dikes must be designed, constructed, and maintained with sufficient structural integrity to prevent massive failure of the dikes. In ensuring structural integrity, it must not be presumed that the liner system will function without leakage during the active life of the impoundment.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.18**: Please identify documents that demonstrate the NRC's and Division's acceptance, for other impoundments, of the design, construction, and maintenance of dikes similar to those proposed for Cell 4B.*

BASIS FOR ROUND 2 INTERROGATORY:

Independent evidence is required to document that the NRC's previous licensing reviews and the Division's permitting and Cell 4B design review activities have accepted the dikes proposed for similar surface impoundments are acceptable.

Denison Response:

See the response to item 2.8 above.

2.14 ***INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 6(1)-19/02: COVER AND CLOSURE AT END OF MILLING OPERATIONS***

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6(1): In disposing of waste byproduct material, licensees shall place an earthen cover (or approved alternative) over tailings or wastes at the end of milling operations and shall close the waste disposal area in accordance with a design which provides reasonable assurance of control of radiological hazards to (i) be effective for 1,000 years, to the extent reasonably achievable, and, in any case, for at least 200 years, and (ii) limit releases of radon-222 from uranium byproduct materials, and radon-220 from thorium byproduct materials, to the atmosphere so as not to exceed an average release rate of 20 picocuries per square meter per second (pCi/m^{2}s) to the extent practicable throughout the effective design life determined pursuant to (1)(i) of this Criterion. In computing required tailings cover thicknesses, moisture in soils in excess of amounts found normally in similar soils in similar circumstances may not be considered. Direct gamma exposure from the tailings or wastes should be reduced to background levels. The effects of any thin synthetic layer may not be taken into account in determining the calculated radon exhalation level. If non-soil materials are proposed as cover materials, it must be demonstrated that these materials will not crack or degrade by differential settlement, weathering, or other mechanism, over long-term intervals.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.19.1:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Please provide the information requested in Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 4-13/02: Location and Design Requirements (DUSA Section 2.14.26) above, in future updates to current Reclamation Plan (Rev 4.0) and the Specifications for Reclamation, attached to that Reclamation Plan.

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.19.2:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending the development of a license condition that will be included in the amendment for Cell 4B construction. Deferral of these issues is needed because they are related to both the Reclamation Plan and the on-going disposal cell infiltration / contaminant transport model, that are to be submitted shortly. During recent discussions with DUSA, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

The forthcoming license condition will require that DUSA provide the Division with the revised cover design, a calculation of long-term radon emission rates for the final cover system. This future license condition will specify that the calculation include assumptions and present and describe analysis methodologies used, including:

- *Information indicating the specific soil moisture data used, where the clay borrow material soil samples tested are located in relation to the Mill Site, information on the clay soil sampling depths;*

- *Information regarding the laboratory test method used for determining the long-term moisture content of the clay soil samples tested;*

- *Information regarding any adjustments, if any, that were to made to account (adjust) for differences in site conditions at the borrow site(s) compared to the Mill Site, with information supporting any adjustments; and*

- *Information justifying that the long-term moisture content selected for the radon barrier layer for use on the radon emission calculation is conservative (e.g., relative to guidance provided in NRC Regulatory Guide 3.64 [NRC 1989] and Technical Approach Document, Rev 2, 1989, UMTRA-DOE/AL 050425.0002, DOE 1989, Section 7). .*

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.19.3:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending the development of a license condition that will be included in the amendment for Cell 4B construction. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Refer to Interrogatory White Mesa Cell 4B UAC R313-24-3-01D/02 regarding radiation protection in terms of radon and gamma attenuation.

BASIS FOR ROUND 2 INTERROGATORY:

Basis for Follow up to Response Section 2.19.1: *As described in Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 4-13/02: Location And Design Requirements above, guidance contained in NRC NUREG-1623 (NRC 2002) indicates that rock tested from the Brown Canyon Site borrow site scored less than 65% and so would be rejected from use in the rock toe apron areas at the base of the toes of cell outslopes in the final closure design (see Section 3.3.5 of Reclamation Plan, Rev 4.0; and Section 6.0 and Figure A-5.1-4 of Attachment A to that Reclamation Plan). The Reclamation Plan and Plans and Specifications for Reclamation do not present this information/finding, and are therefore lacking.*

Regarding DUSA Response 2.19.2: Attachment F of the Reclamation Plan Rev. 4, Table 1 ("Selected Model Input Data"), lists water content percentages for the radon barrier layer from locations listed as Clay (Site #1), Clay (Site #2), and Clay (UT-1). However, no information has been provided as to where these two samples were collected at the borrow area, or the depths from which they were collected. Also, in Attachment F of the Reclamation Plan Rev. 4.0, Table 1, the footnote given for the 14.1 % moisture content value listed states that this percentage was selected based on an "average of two tests". No laboratory analysis results/data or information on types of soil test methodologies used was included. Likewise, no information was provided regarding any adjustments that were made, if any, to the laboratory soil testing results to account for differences in soil conditions between the borrow site(s) and the Mill Site.

NRC Regulatory Guide 3.64 specifies that information on the location of the clay borrow site(s) proposed for supplying clay soils for the clay radon barrier layer in final disposal cell covers needs to be provided with adjustments made, as appropriate, to account for any differences in conditions between the borrow site(s) and the disposal site as necessary. Also, it is recommended that samples of the clay soil materials be obtained from depths between 120 and 500 cm. In the information provided by DUSA (e.g., Table 1 in Attachment F of the Reclamation Plan Rev. 4.0), the submittal suggests that the long-term soil moisture content value selected for use in a previous radon barrier emission calculation was estimated from an "average of two tests". That approach does not appear to be conservative with respect to guidance contained in Section 7.1.1 of DOE 1989, which states that "all design parameters, except moisture content, are average values; (however) moisture content is conservatively estimated." DOE 1989, Section 7.1.3, describes ASTM laboratory soil test methods considered acceptable for

determining long-term moisture contents. As an acceptable alternative, a conservative long-term moisture content for the radon barrier layer for radon emissions calculations can be determined using a relationship such as the one described in NRC Regulatory Guide 3.64 developed by Rawls and Brakensiek (1982).

Denison Response:

See the response to item 2.3 above.

2.15 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 6(3)-21/02: PHASED EMPLACEMENT OF FINAL RADON BARRIER*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6(3): When phased emplacement of the final radon barrier is included in the applicable reclamation plan, the verification of radon-222 release rates required in paragraph (2) of this criterion must be conducted for each portion of the pile or impoundment as the final radon barrier for that portion is emplaced.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.21:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Provide a generalized schedule for stabilizing the closed tailings cell. State the sequence and approximate durations of activities required to stabilize Cell 4B from the time it is removed from active service to the time that the cover system is finally constructed.

BASIS FOR ROUND 2 INTERROGATORY:

The schedule provided in Section 2.21 of DUSA Cell 4B Round 1 responses is more a description of the closure process than a schedule. General sequencing and durations of activities will provide much more useful information.

Denison Response:

At the point the maximum amount of tailings sand has been placed in Cell 4B, all the free water will be evaporated or pumped from the cell and the tailings sands will be graded to ensure that the final tailings elevations and contours are according to the approved design. The initial layer of the reclamation cap, the platform fill, will be installed over the contoured sands. This activity

may take place in increments as distinct portions of the cell are filled, and therefore may take several years to be fully complete, depending on the Mill's operating schedule. If the Mill were to be operating at full capacity, Cell 4B could be filled in 3 to 3.5 years. Realistically the duration will be longer, as a portion of the sand from Mill operations will also be placed in Cell 4A and Cell 5A(B). The active cells will be operated in such a manner as to maximize evaporation potential, while also bringing partial areas of a cell up to final grade as rapidly as possible in order to reduce radon emanation by placing the platform fill as soon as possible. The purpose of the platform fill is to minimize the amount of radon emanating from the tailings sands, to minimize the potential for windblown tailings and to place a surcharge on the tailings sand to aid in dewatering. As platform fill is placed, settlement monitors will be installed to record the consolidation and settlement of the tailings sands. Once the cell is filled and the free water has been evaporated or pumped from the cell, and the platform fill has been placed over the entire area, the slimes drain system will be actively pumped to remove as much solution as possible from the tailings sands and slimes. Dewatering of the tailings sands will allow the sands and slimes to consolidate, reducing the potential differential settlement after final cover placement, and reducing the potential for liquefaction of the tailings sands during possible seismic events. The slimes drain design and dewatering modeling is presented in the Design Report, Appendix D. The projected period for dewatering of the tailings sands, once the slimes drain pumping has started is 5.5 years. Once the satisfactory degree of dewatering has been achieved and the settlement monitors are showing little or no consolidation, the final layers of the reclamation cap can be placed. The placement of the final layers of cap material should take less than one year.

2.16 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 6(5)-23/02: ELEVATED RADIUM CONCENTRATIONS IN COVER MATERIALS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6(5): Near surface cover materials (i.e., within the top three meters) may not include waste or rock that contains elevated levels of radium; soils used for near surface cover must be essentially the same, as far as radioactivity is concerned, as that of surrounding surface soils. This is to ensure that surface radon exhalation is not significantly above background because of the cover material itself.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.23.1:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Please clarify in future updates to the Reclamation Plan, and the Specifications for Reclamation, attached to that Reclamation Plan, that rock from the potential Brown Canyon rock borrow site would not be suitable for use in areas that the NRC may classify as "frequently saturated areas", including the rock toe apron areas at the toes of the closed cell outslopes, to be addressed in the final closure design. Please also provide information demonstrating that adequate amounts of suitable rock are available elsewhere for obtaining rock for use in these areas.

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.23.2:

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the current Reclamation Plan (Rev 4.0), and the Specifications for Reclamation, attached to that Reclamation Plan. Further, it was agreed that resolution of the issues identified would be completed before any Division authorization to use Cell 4B.*

Provide evidence or identify where such evidence is provided that radium concentrations of earthen materials planned to be used in constructing the Cell 4B cover system do not and/or will not exceed background levels for the vicinity of the White Mesa facility.

BASIS FOR ROUND 2 INTERROGATORY:

As described in Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 413/02: Location And Design Requirements above, guidance contained in NRC NUREG-1623 (NRC 2002) indicates that rock tested from the Brown Canyon Site borrow site score less than 65% and so would be rejected from use in the rock toe apron areas at the base of the toes of cell outslopes in the final closure design (Section 3.3.5 of Reclamation Plan, Rev 4.0; and Section 6.0 and Figure A-5.1-4 of Attachment A to that Reclamation Plan). The Reclamation Plan and Plans and Specifications for Reclamation do not present this information/finding.

Implementing the final closure design, if found acceptable, depends on availability of adequate quantities of suitable materials. Demonstration must be provided that adequate quantities are reasonably and practically available.

The issues regarding rock quality are addressed in Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 4-13/02 above.

Denison Response:

2.16.1 ***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.23.1:***

As stated above in item 2.9.2, above, Attachment H to the Reclamation Plan, Rev. 4.0 presents the investigation and testing detail on three potential borrow sources for the rip rap material needed for the final reclamation cap. The Brown Canyon site was the least preferable of the sites, and also happens to be the second least accessible of the sites. For the cost estimate

included as Attachment C to the Reclamation Plan, Rev. 4.0, the North Pit was assumed. The original basis for looking at several potential sites in the area was to ensure that sufficient quantities would be available for the top surface as well as the side slopes and toe aprons. The revised cover design, currently be evaluated as part of the Infiltration Study, eliminates almost all of the rip rap material needed for the top slope, so it is very likely that all needed rip rap material can be obtained from one source. If volume requirements necessitated the use of a second source, additional testing would be conducted on the Brown Canyon site, but absent additional acceptable test results, the Brown Canyon will be rejected as a potential borrow source for rip rap in areas classified as "frequently saturated areas". The Brown Canyon material could potentially be used in areas not classified as "frequently saturated areas". The revised cover design current being evaluated will most likely reduce the amount of rip par material required, and therefore reduce the volumes required for each of the designated source areas.

2.16.2 Follow up to DUSA Response to Round 1 Interrogatories, Section 2.23.2:

See the response to item 2.3 above.

The earthen materials planned to be used in constructing the Cell 4B cover system will be materials that have been excavated during the construction of Cell 4B and stockpiled for future reclamation use, or from other similar sources on site. This is the manner in which such materials are to be used for the cover system for existing Cells 1, 2, 3 and 4A. See Section 3.3.8 of the Reclamation Plan, Rev. 4.0 and Section 5.2.2 of Attachment A thereto. The same approach will be used for Cell 4B. Since such materials will have been excavated from natural sources on site they will, by definition, have background concentrations of radium. Any windblown or other contamination from ongoing Mill operations that may, over the years, have affected stockpiles of such materials on site or that may have affected other materials from the site will be surveyed for contamination and the contamination removed and disposed of in the tailings cells prior to use for the cover system, in accordance with the provisions of Section 3.2.3 of the Reclamation Plan, Rev. 4.0. As a result, radium concentrations of earthen materials planned to be used in constructing the Cell 4B cover system will not exceed background levels for the vicinity of the Mill.

2.17 *INTERROGATORY WHITE MESA CELL 4B 1 0CFR40, APPENDIX A, CRITERION 6(6)-24/02: CONCENTRATIONS OF RADIONUCLIDES OTHER THAN RADIUM IN SOIL*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6(6): The design requirements in this criterion for longevity and control of radon releases apply to any portion of a licensed and/or disposal site unless such portion contains a concentration of radium in land, averaged over areas of 100 square meters, which, as a result of byproduct material, does not exceed the background level by more than: (i) 5 picocuries per gram (pCi/g) of radium-226, or, in the case of thorium byproduct material, radium-228, averaged over the first 15 centimeters (cm) below the surface, and (ii) 15 pCi/g of radium-226, or, in the case of thorium byproduct material, radium-228, averaged over 15-cm thick layers more than 15 cm below the surface.

Byproduct material containing concentrations of radionuclides other than radium in soil, and surface activity on remaining structures, must not result in a total effective dose equivalent (TEDE) exceeding the dose from cleanup of radium contaminated soil to the above standard (benchmark dose), and must be at levels which are as low as is reasonably achievable. If more than one residual radionuclide is present in the same 100-square-meter area, the sum of the ratios for each radionuclide of concentration present to the concentration limit will not exceed "1" (unity). A calculation of the potential peak annual TEDE within 1000 years to the average member of the critical group that would result from applying the radium standard (not including radon) on the site must be submitted for approval. The use of decommissioning plans with benchmark doses which exceed 100 mrem/yr, before application of ALARA, requires the approval of the Executive Secretary after consideration of the recommendation of the staff of the Executive Secretary. This requirement for dose criteria does not apply to sites that have decommissioning plans for soil and structures approved before June 11, 1999.
Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.24**: Please identify documents that show the NRC's acceptance of equivalent non-radium soil concentration requirements in previous approved versions of the Reclamation Plan.*

BASIS FOR ROUND 2 INTERROGATORY:

Independence evidence is required that the NRC has accepted the proposed approach to decommissioning and demonstrating that doses arising from residual concentrations or radionuclides other radium will satisfy existing requirements.

Denison Response:

See the response to item 2.3 above.

The equivalent non-radium soil concentration requirements are set out in Section3.2.3.2 of Revision 3.0 of the Reclamation Plan and Sections 3.2 and 3.3 of Attachment A thereto and in Section 3.2.3.2 of the Reclamation Plan, Rev. 4.0 and Sections 3.2 and 3.3 of Attachment A thereto. NRC approved Revision 3.0 of the Reclamation Plan on July 21, 2000. A copy of that approval letter is included as Attachment G to this letter.

2.18 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 6A(1)-26/02: COMPLETION OF FINAL RADON BARRIER*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6A(1): For impoundments containing uranium byproduct materials, the final radon barrier must be completed as expeditiously as practicable considering technological feasibility after the pile or impoundment ceases operation in accordance with a written, Executive Secretary-approved

reclamation plan. (The term as expeditiously as practicable considering technological feasibility as specifically defined in the Introduction of this appendix includes factors beyond the control of the licensee.) Deadlines for completion of the final radon barrier and, if applicable, the following interim milestones must be established as a condition of the individual license: windblown tailings retrieval and placement on the pile and interim stabilization (including dewatering or the removal of freestanding liquids and recontouring). The placement of erosion protection barriers or other features necessary for long-term control of the tailings must also be completed in a timely manner in accordance with a written, Executive Secretary-approved reclamation plan.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.26*: Refer to Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 6(3)-21/02.*

BASIS FOR ROUND 2 INTERROGATORY:

The schedule provided in Section 2.21 of DUSA Cell 4B Round 1 responses is a very generalized description of the closure process. It is not a schedule. General sequencing and durations of activities need to be provided.

Denison Response:

See the response to item 2.15 above.

2.19 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 6A(1)-26/02: COMPLETION OF FINAL RADON BARRIER*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 6A(1): For impoundments containing uranium byproduct materials, the final radon barrier must be completed as expeditiously as practicable considering technological feasibility after the pile or impoundment ceases operation in accordance with a written, Executive Secretary-approved reclamation plan. (The term as expeditiously as practicable considering technological feasibility as specifically defined in the Introduction of this appendix includes factors beyond the control of the licensee.) Deadlines for completion of the final radon barrier and, if applicable, the following interim milestones must be established as a condition of the individual license: windblown tailings retrieval and placement on the pile and interim stabilization (including dewatering or the removal of freestanding liquids and recontouring). The placement of erosion protection barriers or other features necessary for long-term control of the tailings must also be completed in a timely manner in accordance with a written, Executive Secretary-approved reclamation plan.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.26*: Refer to Interrogatory White Mesa Cell 4B 10CFR40, Appendix A, Criterion 6(3)-21/02.*

BASIS FOR ROUND 2 INTERROGATORY:

The schedule provided in Section 2.21 of DUSA Cell 4B Round 1 responses is a very generalized description of the closure process. It is not a schedule. General sequencing and durations of activities need to be provided.

Denison Response:

See the response to item 2.15 above.

2.20 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 7-29/02: PREOPERATIONAL AND OPERATIONAL MONITORING PROGRAMS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 7: At least one full year prior to any major site construction, a preoperational monitoring program must be conducted to provide complete baseline data on a milling site and its environs. Throughout the construction and operating phases of the mill, an operational monitoring program must be conducted to measure or evaluate compliance with applicable standards and regulations; to evaluate performance of control systems and procedures; to evaluate environmental impacts of operation; and to detect potential long-term effects.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.27*: Please document the NRC's acceptance of the pre-operational environmental monitoring program.*

BASIS FOR ROUND 2 INTERROGATORY:

Although the response identifies the fact that preoperational environmental monitoring was conducted as required and that operational environmental monitoring continues as required, documentation is required of the NRC's acceptance of the pre-operational environmental monitoring program

Denison Response:

See the response to item 2.4 above. Preoperational environmental monitoring was described in Sections 2.5, 2.4 and 2.9 of the 1992 License Renewal Application. Evidence of NRC approval is contained in License condition 9.3.

2.21 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 8-30/02: EFFLUENT CONTROL DURING OPERATIONS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 8: Milling operations must be conducted so that all airborne effluent releases are reduced to levels as low as is reasonably achievable. The primary means of accomplishing this must be by means of emission controls. Institutional controls, such as extending the site boundary and exclusion area, may be employed to ensure that offsite exposure limits are met, but only after all practicable measures have been taken to control emissions at the source. Notwithstanding the existence of individual dose standards, strict control of emissions is necessary to assure that population exposures are reduced to the maximum extent reasonably achievable and to avoid site contamination. The greatest potential sources of offsite radiation exposure (aside from radon exposure) are dusting from dry surfaces of the tailings disposal area not covered by tailings solution and emissions from yellowcake drying and packaging operations. During operations and prior to closure, radiation doses from radon emissions from surface impoundments of uranium or thorium byproduct materials must be kept as low as is reasonably achievable.

Checks must be made and logged hourly of all parameters (e.g., differential pressures and scrubber water flow rates) that determine the efficiency of yellowcake stack emission control equipment operation. The licensee shall retain each log as a record for three years after the last entry in the log is made. It must be determined whether or not conditions are within a range prescribed to ensure that the equipment is operating consistently near peak efficiency; corrective action must be taken when performance is outside of prescribed ranges. Effluent control devices must be operative at all times during drying and packaging operations and whenever air is exhausting from the yellowcake stack. Drying and packaging operations must terminate when controls are inoperative. When checks indicate the equipment is not operating within the range prescribed for peak efficiency, actions must be taken to restore parameters to the prescribed range. When this cannot be done without shutdown and repairs, drying and packaging operations must cease as soon as practicable. Operations may not be restarted after cessation due to off-normal performance until needed corrective actions have been identified and implemented. All these cessations, corrective actions, and restarts must be reported to the Executive Secretary, in writing, within ten days of the subsequent restart.

To control dusting from tailings, that portion not covered by standing liquids must be wetted or chemically stabilized to prevent or minimize blowing and dusting to the maximum extent reasonably achievable. This requirement may be relaxed if tailings are effectively sheltered from wind, such as may be the case where they are disposed of below grade and the tailings surface is not exposed to wind. Consideration must be given in planning tailings disposal programs to methods which would allow phased covering and reclamation of tailings impoundments because this will help in controlling particulate and radon emissions during operation. To control dusting from diffuse sources, such as tailings and ore pads where automatic controls do not

apply, operators shall develop written operating procedures specifying the methods of control which will be utilized.

Milling operations producing or involving thorium byproduct material must be conducted in such a manner as to provide reasonable assurance that the annual dose equivalent does not exceed 25 millirems to the whole body, 75 millirems to the thyroid, and 25 millirems to any other organ of any member of the public as a result of exposures to the planned discharge of radioactive materials, radon-220 and its daughters excepted, to the general environment.
Uranium and thorium byproduct materials must be managed so as to conform to the applicable provisions of Title 40 of the Code of Federal Regulations, Part 440, "Ore Mining and Dressing Point Source Category: Effluent Limitations Guidelines and New Source Performance Standards, subpart C, Uranium, Radium, and Vanadium Ores Subcategory," as codified on January 1, 1983.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.28.4 and 2.28.5**: Refer to Interrogatory White Mesa Cell 4B UAC R317-6-6.4-36/02 below.*

BASIS FOR ROUND 2 INTERROGATORY:

Responses provided in Sections 2.28.1 through 2.28.3 of DUSA Round 1 Responses are acceptable.

Denison Response:

See the response to item 2.4 above. The foregoing interrogatories refer to Mill operations generally and the Mill's tailings system as a whole and not specifically to Cell 4B.

See Section 5.0 of the 2007 License Renewal Application and Section 4.0 of the 1992 License Renewal Application for a description of the Mill's emission and dust control procedures. Evidence of NRC approval of such procedures is contained in License condition 9.3.

2.22 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 8A-31/02: DAILY INSPECTIONS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 8A: Daily inspections of tailings or waste retention systems must be conducted by a qualified engineer or scientist and documented. The licensee shall retain the documentation for each daily inspection as a record for three years after the documentation is made. The Executive Secretary must be immediately notified of any failure in a tailings or waste retention system that results in a release of tailings or waste into unrestricted areas, or of any unusual conditions (conditions

not contemplated in the design of the retention system) that is not corrected could indicate the potential or lead to failure of the system and result in a release of tailings or waste into unrestricted areas.

ROUND 2 INTERROGATORY STATEMENT:

Refer to Interrogatory White Mesa Cell 4B 10CFR40.26(C)(2)-02/02

BASIS FOR ROUND 2 INTERROGATORY:

Documents are required to provide independent evidence that the NRC's previous reviews have accepted the system of inspections, reporting, and retaining documents currently implemented at the White Mesa mill facility.

Denison Response:

See the response to item 2.4 above.

2.23 *INTERROGATORY WHITE MESA CELL 4B 10CFR40, APPENDIX A, CRITERION 9-32/02: FINANCIAL SURETY ARRANGEMENTS*

REGULATORY BASIS:

UAC R313-24-4 invokes the following requirement from 10CFR40, Appendix A, Criterion 9: Financial surety arrangements must be established by each mill operator prior to the commencement of operations to assure that sufficient funds will be available to carry out the decontamination and decommissioning of the mill and site and for the reclamation of any tailings or waste disposal areas. The amount of funds to be ensured by such surety arrangements must be based on Executive Secretary-approved cost estimates in a Executive Secretary-approved plan for (1) decontamination and decommissioning of mill buildings and the milling site to levels which allow unrestricted use of these areas upon decommissioning, and (2) the reclamation of tailings and/or waste areas in accordance with technical criteria delineated in Section I of this Appendix. The licensee shall submit this plan in conjunction with an environmental report that addresses the expected environmental impacts of the milling operation, decommissioning and tailings reclamation, and evaluates alternatives for mitigating these impacts. The surety must also cover the payment of the charge for long-term surveillance and control required by Criterion 10. In establishing specific surety arrangements, the licensee's cost estimates must take into account total costs that would be incurred if an independent contractor were hired to perform the decommissioning and reclamation work. In order to avoid unnecessary duplication and expense, the Executive Secretary may accept financial sureties that have been consolidated with financial or surety arrangements established to meet requirements of other Federal or state agencies and/or local governing bodies for such decommissioning, decontamination, reclamation, and long-term site surveillance and control, provided such arrangements are considered adequate to satisfy these requirements and that the portion of the surety which covers the decommissioning and reclamation of the mill, mill tailings site and associated areas, and the long-term funding charge is clearly identified and committed for use in

accomplishing these activities. The licensee's surety mechanism will be reviewed annually by the Executive Secretary to assure, that sufficient funds would be available for completion of the reclamation plan if the work had to be performed by an independent contractor. The amount of surety liability should be adjusted to recognize any increases or decreases resulting from inflation, changes in engineering plans, activities performed, and any other conditions affecting costs. Regardless of whether reclamation is phased through the life of the operation or takes place at the end of operations, an appropriate portion of surety liability must be retained until final compliance with the reclamation plan is determined.

This will yield a surety that is at least sufficient at all times to cover the costs of decommissioning and reclamation of the areas that are expected to be disturbed before the next license renewal. The term of the surety mechanism must be open ended, unless it can be demonstrated that another arrangement would provide an equivalent level of assurance. This assurance would be provided with a surety instrument which is written for a specified period of time (e.g., 5 years) yet which must be automatically renewed unless the surety notifies the beneficiary (the Executive Secretary) and the principal (the licensee) some reasonable time (e.g., 90 days) prior to the renewal date of their intention not to renew. In such a situation the surety requirement still exists and the licensee would be required to submit an acceptable replacement surety within a brief period of time to allow at least 60 days for the regulatory agency to collect. Proof of forfeiture must not be necessary to collect the surety so that in the event that the licensee could not provide an acceptable replacement surety within the required time, the surety shall be automatically collected prior to its expiration. The conditions described above would have to be clearly stated on any surety instrument which is not open-ended, and must be agreed to by all parties. Financial surety arrangements generally acceptable to the Executive Secretary are:

(a) Surety bonds;

(b) Cash deposits;

(c) Certificates of deposits;

(d) Deposits of government securities;

(e) Irrevocable letters or lines of credit; and

(f) Combinations of the above or such other types of arrangements as may be approved by the Executive Secretary. However, self insurance, or any arrangement which essentially constitutes self insurance (e.g., a contract with a State or Federal agency), will not satisfy the surety requirement since this provides no additional assurance other than that which already exists through license requirements.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

None.

BASIS FOR ROUND 2 INTERROGATORY:

The response is acceptable.

> *NOTE: Based on discussions with DUSA, this interrogatory item will remain an open item, pending revision of the financial surety DUSA submits in compliance with related regulatory requirements. Further, it was agreed that resolution of the issues identified would be completed and evidence of adequate surety provided before any Division authorization to use Cell 4B.*

Prior to the Division's authorization for Cell 4B to be used in operations, DUSA will revise and update its estimates of costs to decontaminate, decommission, reclaim, and close the facility and will post revised financial assurances to cover the costs of such activities.

Denison Response:

See the response to item 2.3 above.

2.24 *INTERROGATORY WHITE MESA CELL 4B Uac R317-6-6.3-35/02: Ground Water Discharge Permit Application*

Regulatory Basis:

UAC R313-24-4 invokes UAC R317-6 in lieu of 10CFR40 Appendix A, Criterion 5B(1) thru 5H, Criterion 7A, and Criterion 13. In turn, UAC R317-6-6.3 outlines the content requirements of a State Ground Water Discharge Permit (Permit) application.
Unless otherwise determined by the Executive Secretary, the application for a permit to discharge wastes or pollutants to ground water shall include the following complete information:

> *A. The name and address of the applicant and the name and address of the owner of the facility if different than the applicant. A corporate application must be signed by an officer of the corporation. The name and address of the contact, if different than above, and telephone numbers for all listed names shall be included.*
>
> *B. The legal location of the facility by county, quarter-quarter section, township, and range.*
>
> *C. The name of the facility and the type of facility, including the expected facility life.*
>
> *D. A plat map showing all water wells, including the status and use of each well, Drinking Water source protection zones, topography, springs, water bodies, drainages, and man-made structures within a one-mile radius of the discharge. The plat map must also show the*

location and depth of existing or proposed wells to be used for monitoring ground water quality. Identify any applicable Drinking Water source protection ordinances and their impacts on the proposed permit.

E. Geologic, hydrologic, and agricultural description of the geographic area within a one-mile radius of the point of discharge, including soil types, aquifers, ground water flow direction, ground water quality, aquifer material, and well logs.

F. The type, source, and chemical, physical, radiological, and toxic characteristics of the effluent or leachate to be discharged; the average and maximum daily amount of effluent or leachate discharged (gpd), the discharge rate (gpm), and the expected concentrations of any pollutant (mg/l) in each discharge or combination of discharges. If more than one discharge point is used, information for each point must be given separately.

G. Information which shows that the discharge can be controlled and will not migrate into or adversely affect the quality of any other waters of the state, including the applicable surface water quality standards, that the discharge is compatible with the receiving ground water, and that the discharge will comply with the applicable class TDS limits, ground water quality standards, class protection levels or an alternate concentration limit proposed by the facility.

H. For areas where the ground water has not been classified by the Board, information on the quality of the receiving ground water sufficient to determine the applicable protection levels.

I. A proposed sampling and analysis monitoring plan which conforms to EPA Guidance for Quality Assurance Project Plans, EPA QA/G-5 (EPA/600/R-98/028, February 1998) and includes a description, where appropriate, of the following:

> *1. ground water monitoring to determine ground water flow direction and gradient, background quality at the site, and the quality of ground water at the compliance monitoring point;*
>
> *2. installation, use and maintenance of monitoring devices;*
>
> *3. description of the compliance monitoring area defined by the compliance monitoring points including the dimensions and hydrologic and geologic data used to determine the dimensions;*
>
> *4. monitoring of the vadose zone;*
>
> *5. measures to prevent ground water contamination after the cessation of operation, including post-operational monitoring;*
>
> *6. monitoring well construction and ground water sampling which conform where applicable to the Handbook of Suggested Practices for Design and Installation of*

Ground-Water Monitoring Wells (EPA/600/4-89/034, March 1991), ASTM Standards on Ground Water and Vadose Investigations (1996), Practical Guide for Ground Water Sampling EPA/600/2-85/104, (November 1985) and RCRA Ground Water Monitoring Technical Enforcement Guidance Document (1986), unless otherwise specified by the Executive Secretary;

7. description and justification of parameters to be monitored;

8. quality assurance and control provisions for monitoring data.

J. The plans and specifications relating to construction, modification, and operation of discharge systems.

K. The description of the ground water most likely to be affected by the discharge, including water quality information of the receiving ground water prior to discharge, a description of the aquifer in which the ground water occurs, the depth to the ground water, the saturated thickness, flow direction, porosity, hydraulic conductivity, and flow systems characteristics.

L. The compliance sampling plan which in addition to the information specified in the above item I includes, where appropriate, provisions for sampling of effluent and for flow monitoring in order to determine the volume and chemistry of the discharge onto or below the surface of the ground and a plan for sampling compliance monitoring points and appropriate nearby water wells. Sampling and analytical methods proposed in the application must conform with the most appropriate methods specified in the following references unless otherwise specified by the Executive Secretary:

1. Standard Methods for the Examination of Water and Wastewater, twentieth edition, 1998; Library of Congress catalogue number: ISBN: 0-87553-235-7.

2. E.P.A. Methods, Methods for Chemical Analysis of Water and Wastes, 1983; Stock Number EPA-600/4-79-020.

3. Techniques of Water Resource Investigations of the U.S. Geological Survey, (1998); Book 9.

4. Monitoring requirements in 40 CFR parts 141 and 142, 2000 ed., Primary Drinking Water Regulations and 40 CFR parts 264 and 270, 2000 ed.

5. National Handbook of Recommended Methods for Water-Data Acquisition, GSA-GS edition; Book 85 AD-2777, U.S. Government Printing Office Stock Number 024-001-03489-1.

M. A description of the flooding potential of the discharge site, including the 100-year flood plain, and any applicable flood protection measures.

N. Contingency plan for regaining and maintaining compliance with the permit limits and for reestablishing best available technology as defined in the permit.

O. Methods and procedures for inspections of the facility operations and for detecting failure of the system.

P. For any existing facility, a corrective action plan or identification of other response measures to be taken to remedy any violation of applicable ground water quality standards, class TDS limits or permit limit established under R317-6-6.4E. which has resulted from discharges occurring prior to issuance of a ground water discharge permit.

Q. Other information required by the Executive Secretary.

R. All applications for a groundwater discharge permit must be performed under the direction, and bear the seal, of a professional engineer or professional geologist.

S. A closure and post closure management plan demonstrating measures to prevent ground water contamination during the closure and post closure phases of an operation.

Reference can be made to DG-3024 (e.g., Sections 3.1 through 3.3), NUREG-1620 (e.g., Sections 2.6.3 and 2.7.3), and RG 3.8 (e.g., Sections 1, 3.3, and 4.1) as appropriate for additional guidance on topics listed above.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.32.1*: Please provide geologic cross sections depicting the three-dimensional configuration of the contact between the Brushy Basin and the Burro Canyon formations representing the area beneath and downgradient of the Cell 4B footprint (refer to Interrogatory White Mesa Cell 4B UAC R317-6-6.4-36/02: Issuance of Discharge Permit Interrogatory Statement for additional details). Please include information on the locations and distribution of any conglomerate zones and/or lenses that may exist beneath the Cell 4B area that might influence groundwater flow paths beneath Cell 4B. Please include the inferred lateral and vertical extent of the elevated portion of the top surface of the Brushy Basin formation in said cross section.*

In addition, please provide all supporting core logs, boring logs, including copies of any vertical or angled subsurface boring logs used for developing the geologic cross sections for the Cell 4B area, including a map depicting the locations and survey coordinates of all borings and wells completed or drilled in the vicinity of Cell 4B and adjacent areas covered in the cross sections Please include bring and coring logs for any vertical and angled borings, and /or wells drilled in the early-mid 1990s in the vicinity of Cells 3 and 4A in a response to a request made by the US EPA, and provide any other documentation associated with those borings and/or wells. . Please provide information from any vadose zone or aquifer permeability testing, and/or other laboratory and visual observation of core samples that would suggest any primary structures, depositional features, or weathering that may have an anisotropic significance to properties pertinent to groundwater flow.

Please explain and justify how such conglomeratic zones at shallow unsaturated depths would not cause contaminants to bypass the screened interval of the proposed monitoring wells, or alternatively provide a mechanism to detect potential contaminant pathways. Please also, provide a map of the anticipated groundwater flow directions that could result from the structural "ridge" in the upper Brushy Basin Formation upper contact beneath and near Cell 4B.

Please explain and justify how the proposed new compliance groundwater monitoring well locations, spacing intervals, and the screened (perforated) intervals in these proposed wells, will be adequate to provide early warning of a leachate release from Cell 4B, based on compilation and synthesis of the geologic information.

Refer also to Interrogatory White Mesa Cell 4B UAC R317-6-6.4-36/02.

BASIS FOR ROUND 2 INTERROGATORY:

Responses provided in Sections 2.32.3, 2.32.6 and 2.32.7 of DUSA Round 1 Responses are acceptable.

Section 2.5 of U.S. N.R.C. Regulatory Guide 3.8 (NRC 1982) specifies that detailed geological data at building sites and in the vicinity of tailings or other effluent impoundments, sanitary landfills, spoil disposal areas, and sewage disposal facilities should be included in licensing submittals related to license applications/license amendment requests. This guide specifies that these geologic data should include strike and dip and lateral and vertical distribution of permeable layers, shales, and clays, and data on any fault, fracture, or joint pattern that may exist. This guide also specifies that locations of local outcroppings where seepage from landfills, dumps, impoundments, and sewage facilities is likely to occur should be noted.

U.S. N.R.C. NUREG-1200 Rev. 3 (NRC 1994), specifies that geologic cross sections need to show the locations of borings along with the boring log data that is used to develop the rock layering. U.S. NRC NUREG-0902 (NRC 1986) provides additional applicable guidance on the types of geologic features/geologic information that should be provided in the geologic characterization of the subsurface strata underlying the proposed Cell 4B footprint.

U.S. N.R.C. Regulatory Draft Guidance DG-3024 (NRC 2008), Section 2.4.1, specifies that geologic aspects of the site need to be described in licensing submittals related to license applications/license amendment requests. This guidance document also specifies that the broad features and general characteristics of the site and environs, including stratigraphy and structural geology should be noted and documented, and characteristics of the subsurface soil or rock, including identification and evaluation of zones of deformation that might act as conduits for contaminants, be described.

The presence and distribution of conglomeratic zones in the Dakota Formation (e.g., as indicated by results of recent nitrate migration investigations completed in the eastern portion of the White Mesa Mill Site) and the location and 3-dimensional extent of the elevated portion of

the upper contact surface of the Brushy Basin Formation (a structurally elevated surface) need to be fully examined in that they could locally influence groundwater flow patterns in the perched water zone beneath the Cell 4B area. These features should be clearly delineated and the resulting information evaluated for its impact on the design of the proposed groundwater detection monitoring network for Cell 4B (see also Interrogatory White Mesa Cell 4B UAC R317-6-6.4-36/02: Issuance of Discharge Permit Interrogatory Statement [DUSA Section 2.33] below).

Denison Response:

See the letter report from Hydro Geo Chem, Inc. dated February 8, 2010, included as Attachment H to this letter, which addresses the foregoing Interrogatory.

Geologic cross sections depicting the three-dimensional configuration of the contact between the Brushy Basin and the Burro Canyon formations representing the area beneath and downgradient of the Cell 4B footprint will be provided under cover of a separate letter.

2.25 *INTERROGATORY WHITE MESA CELL 4B UAC R317-6-6.4-36/02: ISSUANCE OF DISCHARGE PERMIT*

REGULATORY BASIS:

UAC R313-24-4 invokes UAC R317-6-6.4 in lieu of comparable requirements in 10CFR40:

A. The Executive Secretary may issue a ground water discharge permit for a new facility if the Executive Secretary determines, after reviewing the information provided under R317-6-6.3, that:

1. the applicant demonstrates that the applicable class TDS limits, ground water quality standards protection levels, and permit limits established under R317-6-6.4E will be met;

2. the monitoring plan, sampling and reporting requirements are adequate to determine compliance with applicable requirements;

3. the applicant is using best available technology to minimize the discharge of any pollutant; and

4. there is no impairment of present and future beneficial uses of the ground water.

B. The Board mayapprove an alternate concentration limit for a new facility if:

1. The applicant submits a petition for an alternate concentration limit showing the extent to which the discharge will exceed the applicable class TDS limits, ground water standards or applicable protection levels and demonstrates that:

a. the facility is to be located in an area of Class III ground water;

b. the discharge plan incorporates the use of best available technology;

c. the alternate concentration limit is justified based on substantial overriding social and economic benefits; and,

d. the discharge would pose no threat to human health and the environment.

2. One or more public hearings have been held by the Board in nearby communities to solicit comment.

C. The Executive Secretary may issue a ground water discharge permit for an existing facility provided:

1. the applicant demonstrates that the applicable class TDS limits, ground water quality standards and protection levels will be met;

2. the monitoring plan, sampling and reporting requirements are adequate to determine compliance with applicable requirements;

3. the applicant utilizes treatment and discharge minimization technology commensurate with plant process design capability and similar or equivalent to that utilized by facilities that produce similar products or services with similar production process technology; and,

4. there is no current or anticipated impairment of present and future beneficial uses of the ground water.

D. The Board may approve an alternate concentration limit for a pollutant in ground water at an existing facility or facility permitted by rule under R317-6-6.2 if the applicant for a ground water discharge permit shows the extent the discharge exceeds the applicable class TDS limits, ground water quality standards and applicable protection levels that correspond to the otherwise applicable ground water quality standards and demonstrates that:

1. steps are being taken to correct the source of contamination, including a program and timetable for completion;

2. the pollution poses no threat to human health and the environment; and

3. the alternate concentration limit is justified based on overriding social and economic benefits.

E. An alternate concentration limit, once adopted by the Board under R317-6-6.4B or R317-6-6.4D, shall be the pertinent permit limit.

F. A facility permitted under this provision shall meet applicable class TDS limits, ground water quality standards, protection levels and permit limits.

G. The Board may modify a permit for a new facility to reflect standards adopted as part of corrective action.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.33**: In order to complete the application to amend the Utah Ground Water Discharge Permit (Permit), please provide additional information to demonstrate that the number and placement of the proposed new groundwater monitoring wells are adequate to permit detection of any potential future releases from the disposal cell areas, including Cell 4B, for the purpose of determining compliance with applicable requirements contained in R317-6. Include information regarding the inferred distribution of conglomeratic zones and/or other geologic features within the Dakota Formation, and the inferred vertical extent (relief) and areal extent of the elevated portion of the top surface of the Brushy Basin Formation on geologic cross sections that span the Cell 4B footprint area (see also Interrogatory White Mesa Cell 4B UAC R317-6-6.3-35/02: Ground Water Discharge Permit Application Interrogatory Statement, above). Provide a discussion of how these features could locally influence groundwater flow patterns beneath Cell 4B, as this relates to the number and placement of proposed new monitoring wells downgradient of Cell 4B and their ability to allow detection of any potential future releases from the disposal cell areas, including Cell 4B.*

BASIS FOR ROUND 2 INTERROGATORY:

Figure 2 of a report (prepared by Hydro Geo Chem Inc.) dated December 29, 2009, presents a structural contour map which indicates that a portion of the upper contact surface of the Brushy Basin Formation beneath the Cell 4B footprint is elevated, in the form of an elongated elevated "nose" or "prong" of higher topographic (structural) relief than other areas beneath the Cell 4B footprint. The apex of this prong-like feature appears to extend in a south- southwesterly direction beneath the Cell 4B footprint. This feature may locally influence (e.g., bifurcate) subsurface flow paths of potential future releases from the disposal cell areas, including Cell 4B. Information presented in the December 29, 2009 Hydro Geo Chem Inc. report also indicates that conglomeratic zones within the Dakota Formation can exert an influence on groundwater flow underlying other portions of the White Mesa Mill Site.

U.S. N.R.C. Regulatory Guide 1200, Rev. 3 (NRC 1994), specifies that adequate information is needed to evaluate the presence of perched conditions, and groundwater movement. Also, as specified in NUREG-0902 (NRC 1986), characterization of the site should include all significant hydrogeologic units that underlie the site.

Denison Response:

See the response to item 2.25 above.

2.26 *INTERROGATORY WHITE MESA CELL 4B UAC R317-6-6.9-37/02: PERMIT COMPLIANCE MONITORING*

REGULATORY BASIS:

UAC R313-24-4 invokes UAC R317-6-6.9 in lieu of comparable requirements in 10CFR40:

A. Ground Water Monitoring

The Executive Secretary may include in a ground water discharge permit requirements for ground water monitoring, and may specify compliance monitoring points where the applicable class TDS limits, ground water quality standards, protection levels or other permit limits are to be met.

The Executive Secretary will determine the location of the compliance monitoring point based upon the hydrology, type of pollutants, and other factors that may affect the ground water quality. The distance to the compliance monitoring points must be as close as practicable to the point of discharge. The compliance monitoring point shall not be beyond the property boundaries of the permitted facility without written agreement of the affected property owners and approval by the Executive Secretary.

B. Performance Monitoring

The Executive Secretary may include in a ground water discharge permit requirements for monitoring performance of best available technology standards.
Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

Follow up to DUSA Response to Round 1 Interrogatories, Section 2.34*: Refer to Interrogatory White Mesa Cell 4B UAC R317-6-6.4-36/02 and Interrogatory White Mesa Cell 4B UAC R317-6-6.3-35/02, both above*

BASIS FOR ROUND 2 INTERROGATORY:

Additional information and justification is required to demonstrate the adequacy of proposed plan for installing additional downgradient groundwater monitoring wells in connection with the construction of Cell 4B. Before the Division can accept the proposal, these interrogatories must be resolved

Denison Response:

See the response to item 2.25 above.

2.27 *INTERROGATORY WHITE MESA CELL 4B UAC R317-6-6.10-38/02: BACKGROUND WATER QUALITY DETERMINATION*

REGULATORY BASIS:

UAC R313-24-4 invokes UAC R317-6-6.10 in lieu of comparable requirements in 10CFR40:

A. Background water quality contaminant concentrations shall be determined and specified in the ground water discharge permit. The determination of background concentration shall take into account any degradation.

B. Background water quality contaminant concentrations may be determined from existing information or from data collected by the permit applicant. Existing information shall be used, if the permit applicant demonstrates that the quality of the information and its means of collection are adequate to determine background water quality. If existing information is not adequate to determine background water quality, the permit applicant shall submit a plan to determine background water quality to the Executive Secretary for approval prior to data collection. One or more up-gradient, lateral hydraulically equivalent point, or other monitoring wells as approved by the Executive Secretary may be required for each potential discharge site.

C. After a permit has been issued, permittee shall continue to monitor background water quality contaminant concentrations in order to determine natural fluctuations in concentrations. Applicable up-gradient, and on-site ground water monitoring data shall be included in the ground water quality permit monitoring report.

Refer to Appendix A of Round 1 Interrogatories for relevant NRC regulatory guidance.

ROUND 2 INTERROGATORY STATEMENT:

***Follow up to DUSA Response to Round 1 Interrogatories, Section 2.35**: Please identify specific documents that state the bases for determining background ground water quality and form the basis for the Division's acceptance of background ground water quality.*

BASIS FOR ROUND 2 INTERROGATORY:

Independent evidence, in addition to the 2009 Statement of Basis, is required to document accepted background ground water quality. Please include references to the DUSA submittals / reports, upon which the Statement of Basis was founded.

Denison Response:

The Executive Secretary's determinations regarding background groundwater quality for the site are set out in the 2009 Statement of Basis. The Background Reports and the *Summary of Work Completed, Data Results, Interpretations and Recommendations for the July, 2007 Sampling Event at the Denison Mines, USA, White Mesa Uranium Mill Near Blanding Utah*," May, 2008, T.G. Hurst

and D.K. Solomon, University of Utah Department of Geology and Geophysics, form the primary basis for determining background groundwater quality at the Mill. Those documents and other documents considered by the Executive Secretary in determining background groundwater quality at the site are listed in the References section of the 2009 Statement of Basis.

If you should have any questions or require additional information, please contact the undersigned.

Yours very truly,

DENISON MINES (USA) CORP.

By:

David C. Frydenlund
Vice President, Regulatory Affairs and Counsel

cc: Ron F. Hochstein
Harold R. Roberts
David E. Turk

Attachment A

Arizona

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     JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 0, 0, 0, 0, 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

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1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE   5
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

 FINITE ELEMENT DATA FOR SOURCE NO.  5:    IPX=  1  ID=  5001

    VERTEX (M) = -1.9000E-01  1.4481E+02  1.3019E+02  1.4481E+02 -1.9000E-01  2.7519E+02  1.3019E+02  2.7519E+02

    AREA SOURCE ELEMENT NO. =    1          NODES=    1    4    2    5
    AREA SOURCE ELEMENT NO. =    2          NODES=    2    5    3    6
    AREA SOURCE ELEMENT NO. =    3          NODES=    4    7    5    8
    AREA SOURCE ELEMENT NO. =    4          NODES=    5    8    6    9
0   NODAL COORDINATES (M):
      NODE NO. =    1     XS= -1.9000E-01     YS=  1.4481E+02
      NODE NO. =    2     XS= -1.9000E-01     YS=  2.1000E+02
      NODE NO. =    3     XS= -1.9000E-01     YS=  2.7519E+02
      NODE NO. =    4     XS=  6.5000E+01     YS=  1.4481E+02
      NODE NO. =    5     XS=  6.5000E+01     YS=  2.1000E+02
      NODE NO. =    6     XS=  6.5000E+01     YS=  2.7519E+02
      NODE NO. =    7     XS=  1.3019E+02     YS=  1.4481E+02
      NODE NO. =    8     XS=  1.3019E+02     YS=  2.1000E+02
      NODE NO. =    9     XS=  1.3019E+02     YS=  2.7519E+02
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE   6
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

 NUMBER OF SOURCES= 5
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NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	PSIZE ID	SET	M/SEC EXIT VEL	SOURCE NAME
1	0.03	0.01	25.30	0.0000	2.58E-02	5.67E-05	3.35E-05	2.01E-04	0.00E+00	1001	1	4.99E+00	South YC Stack
2	-0.01	0.02	25.30	0.0000	2.58E-02	5.67E-05	3.35E-05	2.01E-04	0.00E+00	1002	1	4.15E+00	North YC Stack
3	-0.03	0.08	9.10	0.0000	2.36E-04	2.36E-04	2.36E-04	2.36E-04	2.36E+02	1003	2	1.00E+00	Grinder
4	0.03	0.07	9.10	0.0000	2.36E-04	2.36E-04	2.36E-04	2.36E-04	0.00E+00	1004	2	1.00E+00	Grizzly
5	0.06	0.21	2.00	0.0170	4.09E-02	4.09E-02	4.09E-02	4.09E-02	9.56E+02	5001	3	0.00E+00	Ore Pads

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.78E+03	1.78E+03	1.78E+03	1.78E+03

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000

2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2	1.000	0.000	0.000	0.000
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02

BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02

LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02
LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3	.....	.....	.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03

ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.129E-03	2.020E-04	2.011E-04	2.067E-04	3.475E+01	3.091E+01	1.097E+01	4.007E+00	2.602E-06	1.024E-04
2.5	5.441E-04	6.691E-05	6.648E-05	6.942E-05	1.406E+01	1.339E+01	6.785E+00	3.698E+00	4.894E-06	6.199E-05
3.5	3.200E-04	3.209E-05	3.183E-05	3.362E-05	7.861E+00	7.700E+00	4.775E+00	3.189E+00	6.640E-06	4.403E-05
4.5	2.094E-04	1.905E-05	1.888E-05	2.007E-05	5.216E+00	5.166E+00	3.600E+00	2.679E+00	7.881E-06	3.356E-05

7.5	8.402E-05	7.103E-06	7.034E-06	7.517E-06	2.375E+00	2.372E+00	1.950E+00	1.645E+00	9.646E-06
1.846E-05									
15.0	2.396E-05	2.184E-06	2.164E-06	2.300E-06	8.787E-01	8.791E-01	8.206E-01	7.548E-01	1.005E-05
7.881E-06									
25.0	1.028E-05	9.742E-07	9.657E-07	1.024E-06	4.321E-01	4.323E-01	4.234E-01	4.093E-01	9.478E-06
4.119E-06									
35.0	6.108E-06	5.773E-07	5.723E-07	6.068E-07	2.724E-01	2.726E-01	2.710E-01	2.672E-01	8.908E-06
2.651E-06									
45.0	4.175E-06	3.877E-07	3.843E-07	4.080E-07	1.929E-01	1.930E-01	1.930E-01	1.920E-01	8.424E-06
1.893E-06									
55.0	3.088E-06	2.828E-07	2.803E-07	2.979E-07	1.471E-01	1.472E-01	1.475E-01	1.473E-01	8.012E-06
1.449E-06									
65.0	2.400E-06	2.143E-07	2.123E-07	2.260E-07	1.164E-01	1.164E-01	1.169E-01	1.169E-01	7.658E-06
1.149E-06									
75.0	1.932E-06	1.684E-07	1.668E-07	1.778E-07	9.510E-02	9.515E-02	9.554E-02	9.574E-02	7.349E-06
9.395E-07									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.296E+02	3.736E+02	3.731E+02	3.731E+02	0.000E+00	3.976E+02	3.976E+02	3.976E+02	4.712E-01
2.5	3.007E+02	1.175E+02	1.173E+02	1.173E+02	0.000E+00	1.279E+02	1.279E+02	1.279E+02	8.864E-01
3.5	1.645E+02	5.393E+01	5.380E+01	5.380E+01	0.000E+00	5.990E+01	5.990E+01	5.990E+01	1.202E+00
4.5	1.041E+02	3.103E+01	3.096E+01	3.096E+01	0.000E+00	3.505E+01	3.505E+01	3.505E+01	1.427E+00
7.5	4.052E+01	1.099E+01	1.096E+01	1.096E+01	0.000E+00	1.284E+01	1.284E+01	1.284E+01	1.747E+00
15.0	1.161E+01	3.250E+00	3.241E+00	3.241E+00	0.000E+00	3.937E+00	3.937E+00	3.937E+00	1.820E+00
25.0	4.969E+00	1.396E+00	1.392E+00	1.392E+00	0.000E+00	1.735E+00	1.735E+00	1.735E+00	1.716E+00
35.0	2.913E+00	7.897E-01	7.874E-01	7.874E-01	0.000E+00	1.003E+00	1.003E+00	1.003E+00	1.613E+00
45.0	1.956E+00	5.023E-01	5.008E-01	5.008E-01	0.000E+00	6.537E-01	6.537E-01	6.537E-01	1.526E+00
55.0	1.424E+00	3.465E-01	3.454E-01	3.454E-01	0.000E+00	4.620E-01	4.620E-01	4.620E-01	1.451E+00
65.0	1.086E+00	2.466E-01	2.457E-01	2.457E-01	0.000E+00	3.380E-01	3.380E-01	3.380E-01	1.387E+00
75.0	8.586E-01	1.816E-01	1.809E-01	1.809E-01	0.000E+00	2.563E-01	2.563E-01	2.563E-01	1.331E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.901E-05	9.732E-06	9.723E-06	9.769E-06
2.5	7.833E-06	3.061E-06	3.057E-06	3.095E-06
3.5	4.284E-06	1.405E-06	1.402E-06	1.437E-06
4.5	2.712E-06	8.084E-07	8.066E-07	8.408E-07
7.5	1.055E-06	2.863E-07	2.856E-07	3.189E-07
15.0	3.024E-07	8.465E-08	8.445E-08	1.158E-07
25.0	1.294E-07	3.637E-08	3.628E-08	6.523E-08
35.0	7.588E-08	2.057E-08	2.052E-08	4.756E-08
45.0	5.095E-08	1.308E-08	1.305E-08	3.854E-08
55.0	3.708E-08	9.027E-09	9.001E-09	3.320E-08
65.0	2.828E-08	6.423E-09	6.403E-09	2.951E-08
75.0	2.237E-08	4.731E-09	4.715E-09	2.687E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.953E-04	8.261E-05	8.215E-05	8.529E-05	1.969E+01	1.808E+01	7.227E+00	2.911E+00	2.153E-06	6.612E-05
2.5	3.185E-04	3.132E-05	3.106E-05	3.286E-05	8.671E+00	8.334E+00	4.467E+00	2.533E+00	3.624E-06	4.068E-05
3.5	1.936E-04	1.552E-05	1.536E-05	1.648E-05	4.955E+00	4.870E+00	3.125E+00	2.131E+00	4.684E-06	2.881E-05
4.5	1.284E-04	9.362E-06	9.254E-06	1.001E-05	3.331E+00	3.303E+00	2.354E+00	1.772E+00	5.423E-06	2.194E-05
7.5	5.143E-05	3.479E-06	3.436E-06	3.740E-06	1.547E+00	1.545E+00	1.281E+00	1.084E+00	6.466E-06	1.213E-05
15.0	1.357E-05	9.680E-07	9.567E-07	1.036E-06	5.715E-01	5.718E-01	5.358E-01	4.946E-01	6.632E-06	5.150E-06
25.0	5.240E-06	3.946E-07	3.902E-07	4.207E-07	2.795E-01	2.796E-01	2.741E-01	2.656E-01	6.214E-06	2.669E-06
35.0	2.867E-06	2.203E-07	2.180E-07	2.346E-07	1.748E-01	1.749E-01	1.739E-01	1.716E-01	5.816E-06	1.702E-06
45.0	1.839E-06	1.423E-07	1.408E-07	1.514E-07	1.229E-01	1.230E-01	1.230E-01	1.223E-01	5.482E-06	1.206E-06
55.0	1.293E-06	1.011E-07	1.001E-07	1.076E-07	9.318E-02	9.324E-02	9.343E-02	9.328E-02	5.198E-06	9.177E-07
65.0	9.635E-07	7.500E-08	7.420E-08	7.979E-08	7.330E-02	7.334E-02	7.359E-02	7.363E-02	4.957E-06	7.233E-07
75.0	7.490E-07	5.794E-08	5.732E-08	6.167E-08	5.957E-02	5.960E-02	5.984E-02	5.996E-02	4.746E-06	5.884E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.228E+02	1.260E+02	1.258E+02	1.258E+02	0.000E+00	1.401E+02	1.401E+02	1.401E+02	3.900E-01
2.5	1.566E+02	4.637E+01	4.625E+01	4.625E+01	0.000E+00	5.285E+01	5.285E+01	5.285E+01	6.564E-01
3.5	9.034E+01	2.199E+01	2.192E+01	2.192E+01	0.000E+00	2.578E+01	2.578E+01	2.578E+01	8.482E-01
4.5	5.854E+01	1.282E+01	1.278E+01	1.278E+01	0.000E+00	1.539E+01	1.539E+01	1.539E+01	9.821E-01
7.5	2.286E+01	4.448E+00	4.429E+00	4.429E+00	0.000E+00	5.653E+00	5.653E+00	5.653E+00	1.171E+00
15.0	5.979E+00	1.139E+00	1.135E+00	1.135E+00	0.000E+00	1.587E+00	1.587E+00	1.587E+00	1.201E+00
25.0	2.302E+00	4.417E-01	4.399E-01	4.399E-01	0.000E+00	6.614E-01	6.614E-01	6.614E-01	1.125E+00
35.0	1.253E+00	2.369E-01	2.359E-01	2.359E-01	0.000E+00	3.745E-01	3.745E-01	3.745E-01	1.053E+00
45.0	7.979E-01	1.467E-01	1.460E-01	1.460E-01	0.000E+00	2.435E-01	2.435E-01	2.435E-01	9.927E-01
55.0	5.575E-01	1.001E-01	9.962E-02	9.962E-02	0.000E+00	1.735E-01	1.735E-01	1.735E-01	9.414E-01
65.0	4.119E-01	7.080E-02	7.046E-02	7.046E-02	0.000E+00	1.285E-01	1.285E-01	1.285E-01	8.977E-01
75.0	3.174E-01	5.212E-02	5.186E-02	5.186E-02	0.000E+00	9.906E-02	9.906E-02	9.906E-02	8.595E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210

1.5	8.408E-06	3.282E-06	3.277E-06	3.309E-06
2.5	4.080E-06	1.208E-06	1.205E-06	1.232E-06
3.5	2.353E-06	5.729E-07	5.713E-07	5.956E-07
4.5	1.525E-06	3.340E-07	3.329E-07	3.561E-07
7.5	5.954E-07	1.159E-07	1.154E-07	1.377E-07
15.0	1.557E-07	2.968E-08	2.957E-08	5.021E-08
25.0	5.996E-08	1.151E-08	1.146E-08	3.039E-08
35.0	3.264E-08	6.172E-09	6.148E-09	2.375E-08
45.0	2.078E-08	3.821E-09	3.805E-09	2.035E-08
55.0	1.452E-08	2.607E-09	2.596E-09	1.826E-08
65.0	1.073E-08	1.844E-09	1.836E-09	1.676E-08
75.0	8.269E-09	1.358E-09	1.351E-09	1.563E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.810E-03	2.725E-04	2.702E-04	2.860E-04	7.341E+01	6.859E+01	2.644E+01	1.112E+01	9.581E-06	2.462E-04
2.5	1.547E-03	1.133E-04	1.120E-04	1.211E-04	3.613E+01	3.518E+01	1.788E+01	9.953E+00	1.532E-05	1.640E-04
3.5	9.527E-04	5.893E-05	5.812E-05	6.379E-05	2.180E+01	2.161E+01	1.316E+01	8.556E+00	1.945E-05	1.209E-04
4.5	6.385E-04	3.646E-05	3.592E-05	3.974E-05	1.508E+01	1.503E+01	1.025E+01	7.276E+00	2.233E-05	9.457E-05
7.5	2.603E-04	1.385E-05	1.363E-05	1.520E-05	7.229E+00	7.231E+00	5.871E+00	4.716E+00	2.639E-05	5.480E-05
15.0	6.847E-05	3.728E-06	3.670E-06	4.082E-06	2.715E+00	2.716E+00	2.550E+00	2.319E+00	2.725E-05	2.437E-05
25.0	2.477E-05	1.391E-06	1.370E-06	1.519E-06	1.323E+00	1.324E+00	1.305E+00	1.267E+00	2.566E-05	1.270E-05
35.0	1.252E-05	7.162E-07	7.055E-07	7.806E-07	8.231E-01	8.235E-01	8.223E-01	8.151E-01	2.402E-05	8.058E-06
45.0	7.438E-06	4.314E-07	4.250E-07	4.695E-07	5.761E-01	5.764E-01	5.779E-01	5.771E-01	2.260E-05	5.676E-06
55.0	4.867E-06	2.896E-07	2.854E-07	3.145E-07	4.350E-01	4.353E-01	4.369E-01	4.375E-01	2.139E-05	4.296E-06
65.0	3.394E-06	2.035E-07	2.006E-07	2.209E-07	3.411E-01	3.413E-01	3.428E-01	3.437E-01	2.035E-05	3.372E-06
75.0	2.481E-06	1.499E-07	1.478E-07	1.626E-07	2.765E-01	2.766E-01	2.779E-01	2.788E-01	1.944E-05	2.734E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	1.283E+03	3.091E+02	3.081E+02	3.081E+02	0.000E+00	3.624E+02	3.624E+02	3.624E+02	1.735E+00
2.5	6.657E+02	1.153E+02	1.148E+02	1.148E+02	0.000E+00	1.427E+02	1.427E+02	1.427E+02	2.775E+00
3.5	3.968E+02	5.370E+01	5.337E+01	5.337E+01	0.000E+00	7.048E+01	7.048E+01	7.048E+01	3.522E+00
4.5	2.617E+02	3.064E+01	3.042E+01	3.042E+01	0.000E+00	4.232E+01	4.232E+01	4.232E+01	4.044E+00
7.5	1.045E+02	9.924E+00	9.835E+00	9.835E+00	0.000E+00	1.556E+01	1.556E+01	1.556E+01	4.779E+00
15.0	2.708E+01	2.228E+00	2.205E+00	2.205E+00	0.000E+00	4.356E+00	4.356E+00	4.356E+00	4.934E+00
25.0	9.737E+00	7.631E-01	7.547E-01	7.547E-01	0.000E+00	1.803E+00	1.803E+00	1.803E+00	4.647E+00
35.0	4.911E+00	3.791E-01	3.748E-01	3.748E-01	0.000E+00	1.027E+00	1.027E+00	1.027E+00	4.351E+00
45.0	2.913E+00	2.236E-01	2.211E-01	2.211E-01	0.000E+00	6.777E-01	6.777E-01	6.777E-01	4.094E+00
55.0	1.905E+00	1.481E-01	1.465E-01	1.465E-01	0.000E+00	4.912E-01	4.912E-01	4.912E-01	3.873E+00
65.0	1.328E+00	1.026E-01	1.015E-01	1.015E-01	0.000E+00	3.718E-01	3.718E-01	3.718E-01	3.685E+00
75.0	9.697E-01	7.458E-02	7.375E-02	7.375E-02	0.000E+00	2.928E-01	2.928E-01	2.928E-01	3.520E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.343E-05	8.052E-06	8.029E-06	8.204E-06
2.5	1.734E-05	3.005E-06	2.992E-06	3.124E-06
3.5	1.034E-05	1.399E-06	1.391E-06	1.504E-06
4.5	6.818E-06	7.980E-07	7.926E-07	8.968E-07
7.5	2.722E-06	2.585E-07	2.563E-07	3.509E-07
15.0	7.055E-07	5.804E-08	5.746E-08	1.433E-07
25.0	2.536E-07	1.988E-08	1.967E-08	9.812E-08
35.0	1.279E-07	9.874E-09	9.767E-09	8.258E-08
45.0	7.589E-08	5.825E-09	5.762E-09	7.402E-08
55.0	4.963E-08	3.858E-09	3.816E-09	6.827E-08
65.0	3.458E-08	2.673E-09	2.644E-09	6.389E-08
75.0	2.526E-08	1.943E-09	1.922E-09	6.038E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.188E-03	3.629E-04	3.594E-04	3.835E-04	9.504E+01	8.902E+01	3.331E+01	1.372E+01	1.172E-05	3.117E-04
2.5	2.212E-03	1.538E-04	1.519E-04	1.649E-04	4.710E+01	4.596E+01	2.283E+01	1.240E+01	1.882E-05	2.093E-04
3.5	1.338E-03	8.079E-05	7.965E-05	8.764E-05	2.849E+01	2.827E+01	1.691E+01	1.073E+01	2.393E-05	1.549E-04
4.5	8.900E-04	5.033E-05	4.957E-05	5.491E-05	1.973E+01	1.968E+01	1.324E+01	9.187E+00	2.750E-05	1.216E-04
7.5	3.615E-04	1.935E-05	1.904E-05	2.121E-05	9.439E+00	9.441E+00	7.630E+00	6.038E+00	3.252E-05	7.093E-05

15.0	9.613E-05	5.275E-06	5.193E-06	5.771E-06	3.516E+00	3.518E+00	3.306E+00	3.001E+00	3.355E-05	3.158E-05
25.0	3.512E-05	1.984E-06	1.954E-06	2.165E-06	1.701E+00	1.701E+00	1.680E+00	1.632E+00	3.155E-05	1.636E-05
35.0	1.786E-05	1.025E-06	1.010E-06	1.117E-06	1.053E+00	1.053E+00	1.052E+00	1.044E+00	2.946E-05	1.032E-05
45.0	1.065E-05	6.180E-07	6.090E-07	6.727E-07	7.341E-01	7.345E-01	7.365E-01	7.359E-01	2.765E-05	7.235E-06
55.0	6.987E-06	4.148E-07	4.088E-07	4.506E-07	5.527E-01	5.530E-01	5.552E-01	5.561E-01	2.611E-05	5.459E-06
65.0	4.882E-06	2.912E-07	2.871E-07	3.162E-07	4.323E-01	4.325E-01	4.345E-01	4.357E-01	2.479E-05	4.273E-06
75.0	3.573E-06	2.143E-07	2.112E-07	2.325E-07	3.497E-01	3.499E-01	3.515E-01	3.526E-01	2.364E-05	3.458E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.863E+03	3.945E+02	3.930E+02	3.930E+02	0.000E+00	4.635E+02	4.635E+02	4.635E+02	2.123E+00
2.5	9.384E+02	1.482E+02	1.474E+02	1.474E+02	0.000E+00	1.838E+02	1.838E+02	1.838E+02	3.409E+00
3.5	5.516E+02	6.884E+01	6.837E+01	6.837E+01	0.000E+00	9.076E+01	9.076E+01	9.076E+01	4.333E+00
4.5	3.616E+02	3.922E+01	3.891E+01	3.891E+01	0.000E+00	5.449E+01	5.449E+01	5.449E+01	4.980E+00
7.5	1.441E+02	1.274E+01	1.261E+01	1.261E+01	0.000E+00	2.009E+01	2.009E+01	2.009E+01	5.889E+00
15.0	3.780E+01	2.923E+00	2.890E+00	2.890E+00	0.000E+00	5.676E+00	5.676E+00	5.676E+00	6.076E+00
25.0	1.374E+01	1.025E+00	1.013E+00	1.013E+00	0.000E+00	2.360E+00	2.360E+00	2.360E+00	5.713E+00
35.0	6.977E+00	5.154E-01	5.093E-01	5.093E-01	0.000E+00	1.344E+00	1.344E+00	1.344E+00	5.336E+00
45.0	4.156E+00	3.058E-01	3.022E-01	3.022E-01	0.000E+00	8.839E-01	8.839E-01	8.839E-01	5.008E+00
55.0	2.726E+00	2.028E-01	2.005E-01	2.005E-01	0.000E+00	6.385E-01	6.385E-01	6.385E-01	4.728E+00
65.0	1.903E+00	1.405E-01	1.389E-01	1.389E-01	0.000E+00	4.815E-01	4.815E-01	4.815E-01	4.489E+00
75.0	1.391E+00	1.020E-01	1.008E-01	1.008E-01	0.000E+00	3.780E-01	3.780E-01	3.780E-01	4.280E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	4.853E-05	1.028E-05	1.024E-05	1.050E-05
2.5	2.444E-05	3.859E-06	3.840E-06	4.022E-06
3.5	1.437E-05	1.793E-06	1.782E-06	1.931E-06
4.5	9.418E-06	1.022E-06	1.014E-06	1.149E-06
7.5	3.753E-06	3.317E-07	3.286E-07	4.477E-07
15.0	9.846E-07	7.613E-08	7.531E-08	1.817E-07
25.0	3.580E-07	2.669E-08	2.639E-08	1.231E-07
35.0	1.817E-07	1.342E-08	1.327E-08	1.027E-07
45.0	1.083E-07	7.966E-09	7.875E-09	9.147E-08
55.0	7.100E-08	5.283E-09	5.224E-09	8.396E-08
65.0	4.957E-08	3.661E-09	3.619E-09	7.827E-08
75.0	3.625E-08	2.658E-09	2.628E-09	7.375E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.976E-04	4.114E-05	4.082E-05	4.304E-05	2.034E+01	1.991E+01	1.031E+01	4.661E+00	3.807E-06	9.019E-05
2.5	2.568E-04	1.509E-05	1.487E-05	1.640E-05	9.374E+00	9.306E+00	6.337E+00	3.993E+00	6.193E-06	5.661E-05
3.5	1.633E-04	7.294E-06	7.153E-06	8.150E-06	5.489E+00	5.478E+00	4.363E+00	3.310E+00	7.897E-06	4.011E-05
4.5	1.085E-04	4.339E-06	4.245E-06	4.912E-06	3.748E+00	3.747E+00	3.233E+00	2.711E+00	9.075E-06	3.036E-05
7.5	4.043E-05	1.604E-06	1.569E-06	1.817E-06	1.790E+00	1.791E+00	1.691E+00	1.583E+00	1.070E-05	1.632E-05
15.0	8.738E-06	4.713E-07	4.638E-07	5.164E-07	6.801E-01	6.805E-01	6.728E-01	6.591E-01	1.081E-05	6.571E-06
25.0	3.038E-06	2.051E-07	2.026E-07	2.205E-07	3.364E-01	3.366E-01	3.369E-01	3.357E-01	9.978E-06	3.307E-06
35.0	1.650E-06	1.196E-07	1.182E-07	1.279E-07	2.112E-01	2.113E-01	2.121E-01	2.123E-01	9.258E-06	2.085E-06
45.0	1.075E-06	7.962E-08	7.872E-08	8.500E-08	1.486E-01	1.487E-01	1.493E-01	1.497E-01	8.678E-06	1.469E-06
55.0	7.683E-07	5.772E-08	5.708E-08	6.156E-08	1.125E-01	1.126E-01	1.131E-01	1.135E-01	8.200E-06	1.113E-06
65.0	5.805E-07	4.347E-08	4.298E-08	4.637E-08	8.832E-02	8.837E-02	8.880E-02	8.910E-02	7.796E-06	8.736E-07
75.0	4.557E-07	3.394E-08	3.356E-08	3.622E-08	7.159E-02	7.163E-02	7.198E-02	7.224E-02	7.448E-06	7.082E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.761E+02	3.930E+01	3.916E+01	3.916E+01	0.000E+00	5.493E+01	5.493E+01	5.493E+01	6.894E-01
2.5	1.071E+02	1.434E+01	1.425E+01	1.425E+01	0.000E+00	2.162E+01	2.162E+01	2.162E+01	1.122E+00
3.5	6.683E+01	6.930E+00	6.873E+00	6.873E+00	0.000E+00	1.121E+01	1.121E+01	1.121E+01	1.430E+00
4.5	4.415E+01	4.162E+00	4.124E+00	4.124E+00	0.000E+00	7.092E+00	7.092E+00	7.092E+00	1.643E+00
7.5	1.651E+01	1.609E+00	1.595E+00	1.595E+00	0.000E+00	3.014E+00	3.014E+00	3.014E+00	1.938E+00
15.0	3.677E+00	5.039E-01	5.008E-01	5.008E-01	0.000E+00	1.040E+00	1.040E+00	1.040E+00	1.958E+00
25.0	1.307E+00	2.196E-01	2.185E-01	2.185E-01	0.000E+00	4.851E-01	4.851E-01	4.851E-01	1.807E+00
35.0	7.115E-01	1.239E-01	1.233E-01	1.233E-01	0.000E+00	2.907E-01	2.907E-01	2.907E-01	1.677E+00
45.0	4.609E-01	7.885E-02	7.847E-02	7.847E-02	0.000E+00	1.962E-01	1.962E-01	1.962E-01	1.572E+00
55.0	3.274E-01	5.458E-02	5.431E-02	5.431E-02	0.000E+00	1.435E-01	1.435E-01	1.435E-01	1.485E+00
65.0	2.452E-01	3.901E-02	3.881E-02	3.881E-02	0.000E+00	1.088E-01	1.088E-01	1.088E-01	1.412E+00
75.0	1.908E-01	2.888E-02	2.873E-02	2.873E-02	0.000E+00	8.546E-02	8.546E-02	8.546E-02	1.349E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	4.588E-06	1.024E-06	1.020E-06	1.053E-06

2.5	2.791E-06	3.735E-07	3.713E-07	4.047E-07
3.5	1.741E-06	1.805E-07	1.791E-07	2.125E-07
4.5	1.150E-06	1.084E-07	1.075E-07	1.412E-07
7.5	4.302E-07	4.192E-08	4.157E-08	7.610E-08
15.0	9.579E-08	1.313E-08	1.305E-08	4.599E-08
25.0	3.405E-08	5.720E-09	5.695E-09	3.580E-08
35.0	1.853E-08	3.228E-09	3.214E-09	3.108E-08
45.0	1.201E-08	2.054E-09	2.045E-09	2.814E-08
55.0	8.527E-09	1.422E-09	1.415E-09	2.606E-08
65.0	6.386E-09	1.016E-09	1.011E-09	2.443E-08
75.0	4.970E-09	7.524E-10	7.486E-10	2.312E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.094E-02	0.000E+00	0.000E+00	2.445E-03	0.000E+00	0.000E+00	0.000E+00	3.350E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.742E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.487E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.400E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.976E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.819E-04	1.100E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.490E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.496E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.676E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.786E-04	0.000E+00	1.566E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.350E-06 0.000E+00 0.000E+00
8.725E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 4.445E-02 PERSON-REM/YR
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  18
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.226E-01 0.000E+00 0.000E+00 2.810E-02 0.000E+00 0.000E+00 0.000E+00
3.372E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.033E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.399E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.816E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.963E-05 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.982E-03 1.072E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.527E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.210E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.882E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.258E-03 0.000E+00
1.347E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.622E-05 0.000E+00 0.000E+00
7.494E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.821E-01 PERSON-REM/YR
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  19
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS AVG.LUNG

                          DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.343E-02 0.000E+00 0.000E+00 2.467E-03 0.000E+00 0.000E+00 0.000E+00
2.320E-05
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.816E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.723E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.716E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.507E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.319E-04 6.610E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.525E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.028E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.723E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.739E-04 0.000E+00
4.491E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.770E-06 0.000E+00 0.000E+00
2.453E-05
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     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.863E-02 PERSON-REM/YR
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.357E+00 0.000E+00 0.000E+00 5.957E-01 0.000E+00 0.000E+00 0.000E+00
5.499E-03
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.221E-02 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.487E-02 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.117E-01
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.353E-03 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.964E-01 3.211E-02 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.350E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.184E-02
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.377E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.103E-01 0.000E+00
2.685E-02
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.824E-03 0.000E+00 0.000E+00
1.321E-02
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.261E+01 PERSON-REM/YR
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND            EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.651E-03 0.000E+00 0.000E+00 4.207E-04 0.000E+00 0.000E+00 0.000E+00
2.840E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.191E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.627E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.067E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.866E-07 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.922E-05 7.485E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.164E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.318E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.433E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.059E-05 0.000E+00
4.931E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.358E-07 0.000E+00 0.000E+00
2.967E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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TOTAL DOSE COMMITMENT IS 1.121E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS CLOUD EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.504E-02	0.000E+00	0.000E+00	4.997E-03	0.000E+00	0.000E+00	0.000E+00	4.833E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.919E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.298E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.846E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.033E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.687E-03	2.799E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.384E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.578E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.383E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.737E-04	0.000E+00	2.371E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.609E-05	0.000E+00	0.000E+00	1.167E-04
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 7.510E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.205E-03	1.209E-03	8.063E-04	6.141E-04	1.930E-03	2.599E-03	2.258E-03	2.179E-03	2.178E-03	2.220E-03	2.273E-03	2.338E-03
NNE	3.155E-03	1.699E-03	1.114E-03	8.354E-04	2.503E-03	3.042E-03	2.425E-03	2.213E-03	2.121E-03	2.096E-03	2.089E-03	2.104E-03
NE	1.945E-03	1.103E-03	7.348E-04	5.557E-04	1.679E-03	2.042E-03	1.678E-03	1.582E-03	1.561E-03	1.580E-03	1.608E-03	1.647E-03
ENE	1.142E-03	6.926E-04	4.723E-04	3.624E-04	1.119E-03	1.398E-03	1.197E-03	1.175E-03	1.202E-03	1.253E-03	1.307E-03	1.365E-03
E	7.759E-04	5.044E-04	3.535E-04	2.760E-04	8.776E-04	1.134E-03	1.012E-03	1.029E-03	1.083E-03	1.152E-03	1.223E-03	1.295E-03
ESE	8.362E-04	4.890E-04	3.257E-04	2.481E-04	7.740E-04	1.054E-03	1.031E-03	1.111E-03	1.213E-03	1.320E-03	1.425E-03	1.527E-03
SE	1.428E-03	9.244E-04	6.418E-04	4.973E-04	1.546E-03	1.957E-03	1.799E-03	1.895E-03	2.053E-03	2.231E-03	2.408E-03	2.581E-03
SSE	1.890E-03	1.308E-03	9.372E-04	7.371E-04	2.310E-03	2.819E-03	2.452E-03	2.510E-03	2.680E-03	2.890E-03	3.104E-03	3.318E-03
S	2.109E-03	1.450E-03	1.042E-03	8.240E-04	2.651E-03	3.515E-03	3.297E-03	3.514E-03	3.837E-03	4.190E-03	4.540E-03	4.881E-03
SSW	2.785E-03	1.920E-03	1.376E-03	1.086E-03	3.489E-03	4.603E-03	4.249E-03	4.462E-03	4.816E-03	5.216E-03	5.615E-03	6.008E-03
SW	1.349E-03	8.993E-04	6.467E-04	5.162E-04	1.747E-03	2.680E-03	2.843E-03	3.211E-03	3.610E-03	4.006E-03	4.383E-03	4.740E-03
WSW	5.003E-04	3.223E-04	2.337E-04	1.898E-04	6.859E-04	1.195E-03	1.360E-03	1.576E-03	1.792E-03	2.000E-03	2.196E-03	2.381E-03
W	2.747E-04	2.004E-04	1.554E-04	1.310E-04	4.995E-04	9.082E-04	1.045E-03	1.214E-03	1.381E-03	1.541E-03	1.691E-03	1.834E-03
WNW	3.151E-04	2.297E-04	1.764E-04	1.474E-04	5.506E-04	9.684E-04	1.080E-03	1.230E-03	1.382E-03	1.531E-03	1.671E-03	1.804E-03
NW	7.006E-04	4.741E-04	3.446E-04	2.769E-04	9.573E-04	1.470E-03	1.447E-03	1.526E-03	1.630E-03	1.745E-03	1.857E-03	1.969E-03
NNW	1.161E-03	6.709E-04	4.623E-04	3.618E-04	1.222E-03	1.866E-03	1.772E-03	1.802E-03	1.867E-03	1.953E-03	2.040E-03	2.132E-03

TOTAL DOSE COMMITMENT IS 3.278E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN

ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.701E-02	1.490E-02	9.982E-03	7.617E-03	2.389E-02	3.166E-02	2.699E-02	2.568E-02	2.536E-02	2.562E-02	2.601E-02	2.658E-02
NNE	3.855E-02	2.086E-02	1.372E-02	1.031E-02	3.090E-02	3.722E-02	2.928E-02	2.639E-02	2.502E-02	2.449E-02	2.421E-02	2.420E-02
NE	2.381E-02	1.357E-02	9.072E-03	6.873E-03	2.075E-02	2.492E-02	2.012E-02	1.870E-02	1.823E-02	1.827E-02	1.844E-02	1.876E-02
ENE	1.401E-02	8.550E-03	5.857E-03	4.503E-03	1.388E-02	1.702E-02	1.423E-02	1.373E-02	1.387E-02	1.431E-02	1.482E-02	1.539E-02
E	9.568E-03	6.267E-03	4.415E-03	3.454E-03	1.094E-02	1.379E-02	1.196E-02	1.192E-02	1.238E-02	1.305E-02	1.375E-02	1.449E-02
ESE	1.030E-02	6.092E-03	4.089E-03	3.124E-03	9.686E-03	1.271E-02	1.200E-02	1.269E-02	1.368E-02	1.479E-02	1.588E-02	1.694E-02
SE	1.762E-02	1.151E-02	8.047E-03	6.253E-03	1.937E-02	2.375E-02	2.105E-02	2.170E-02	2.320E-02	2.501E-02	2.683E-02	2.864E-02
SSE	2.339E-02	1.632E-02	1.176E-02	9.275E-03	2.901E-02	3.449E-02	2.896E-02	2.895E-02	3.045E-02	3.252E-02	3.470E-02	3.691E-02
S	2.639E-02	1.836E-02	1.330E-02	1.055E-02	3.382E-02	4.325E-02	3.888E-02	4.039E-02	4.343E-02	4.698E-02	5.057E-02	5.413E-02
SSW	3.501E-02	2.439E-02	1.763E-02	1.396E-02	4.470E-02	5.697E-02	5.042E-02	5.156E-02	5.476E-02	5.870E-02	6.274E-02	6.680E-02
SW	1.693E-02	1.144E-02	8.293E-03	6.627E-03	2.211E-02	3.215E-02	3.274E-02	3.628E-02	4.036E-02	4.451E-02	4.849E-02	5.231E-02
WSW	6.228E-03	4.084E-03	2.985E-03	2.423E-03	8.558E-03	1.407E-02	1.548E-02	1.769E-02	1.995E-02	2.217E-02	2.426E-02	2.624E-02
W	3.445E-03	2.558E-03	1.994E-03	1.677E-03	6.230E-03	1.068E-02	1.190E-02	1.363E-02	1.538E-02	1.709E-02	1.870E-02	2.022E-02
WNW	3.938E-03	2.914E-03	2.251E-03	1.877E-03	6.857E-03	1.144E-02	1.236E-02	1.387E-02	1.546E-02	1.703E-02	1.851E-02	1.993E-02
NW	8.668E-03	5.917E-03	4.321E-03	3.475E-03	1.190E-02	1.769E-02	1.696E-02	1.759E-02	1.858E-02	1.973E-02	2.087E-02	2.202E-02
NNW	1.428E-02	8.322E-03	5.764E-03	4.516E-03	1.515E-02	2.256E-02	2.096E-02	2.098E-02	2.149E-02	2.229E-02	2.312E-02	2.402E-02

TOTAL DOSE COMMITMENT IS 3.841E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	1.021E-04	5.498E-05	3.622E-05	2.741E-05	8.625E-05	1.199E-04	1.077E-04	1.065E-04	1.085E-04	1.122E-04	1.163E-04	1.208E-04
NNE	1.472E-04	7.825E-05	5.080E-05	3.788E-05	1.131E-04	1.395E-04	1.139E-04	1.061E-04	1.035E-04	1.038E-04	1.048E-04	1.067E-04
NE	9.036E-05	5.050E-05	3.328E-05	2.502E-05	7.540E-05	9.388E-05	7.959E-05	7.690E-05	7.736E-05	7.949E-05	8.192E-05	8.478E-05
ENE	5.269E-05	3.138E-05	2.111E-05	1.609E-05	4.972E-05	6.438E-05	5.749E-05	5.814E-05	6.074E-05	6.426E-05	6.782E-05	7.150E-05
E	3.528E-05	2.244E-05	1.546E-05	1.198E-05	3.824E-05	5.195E-05	4.898E-05	5.152E-05	5.542E-05	5.986E-05	6.422E-05	6.854E-05
ESE	3.811E-05	2.157E-05	1.401E-05	1.055E-05	3.320E-05	4.885E-05	5.104E-05	5.688E-05	6.330E-05	6.977E-05	7.592E-05	8.182E-05
SE	6.482E-05	4.081E-05	2.774E-05	2.127E-05	6.633E-05	8.957E-05	8.815E-05	9.648E-05	1.069E-04	1.177E-04	1.282E-04	1.383E-04
SSE	8.508E-05	5.749E-05	4.041E-05	3.147E-05	9.852E-05	1.267E-04	1.180E-04	1.260E-04	1.381E-04	1.513E-04	1.643E-04	1.770E-04
S	9.187E-05	6.095E-05	4.258E-05	3.322E-05	1.071E-04	1.542E-04	1.580E-04	1.768E-04	1.985E-04	2.204E-04	2.414E-04	2.614E-04
SSW	1.196E-04	7.973E-05	5.559E-05	4.329E-05	1.392E-04	1.990E-04	2.010E-04	2.222E-04	2.471E-04	2.726E-04	2.970E-04	3.205E-04
SW	5.835E-05	3.717E-05	2.597E-05	2.057E-05	7.188E-05	1.244E-04	1.428E-04	1.669E-04	1.910E-04	2.141E-04	2.358E-04	2.562E-04
WSW	2.212E-05	1.348E-05	9.487E-06	7.683E-06	2.927E-05	5.783E-05	6.997E-05	8.302E-05	9.555E-05	1.074E-04	1.185E-04	1.290E-04
W	1.188E-05	8.190E-06	6.200E-06	5.247E-06	2.133E-05	4.408E-05	5.381E-05	6.392E-05	7.357E-05	8.271E-05	9.124E-05	9.925E-05
WNW	1.378E-05	9.575E-06	7.197E-06	6.021E-06	2.371E-05	4.674E-05	5.517E-05	6.436E-05	7.327E-05	8.181E-05	8.980E-05	9.735E-05

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     NW      3.155E-05 2.081E-05 1.487E-05 1.190E-05 4.194E-05 6.885E-05 7.123E-05 7.722E-05 8.396E-05 9.101E-05 9.776E-05
1.044E-04
     NNW     5.315E-05 2.997E-05 2.033E-05 1.582E-05 5.409E-05 8.702E-05 8.609E-05 8.978E-05 9.472E-05 1.004E-04 1.060E-04
1.118E-04

                TOTAL DOSE COMMITMENT IS 1.608E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                              TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.274E-03 6.880E-04 4.542E-04 3.440E-04 1.079E-03 1.477E-03 1.304E-03 1.274E-03 1.285E-03 1.319E-03 1.358E-03
1.404E-03
     NNE     1.833E-03 9.769E-04 6.354E-04 4.741E-04 1.414E-03 1.728E-03 1.392E-03 1.282E-03 1.239E-03 1.233E-03 1.236E-03
1.251E-03
     NE      1.126E-03 6.311E-04 4.167E-04 3.135E-04 9.430E-04 1.159E-03 9.668E-04 9.222E-04 9.183E-04 9.363E-04 9.587E-04
9.870E-04
     ENE     6.576E-04 3.930E-04 2.650E-04 2.021E-04 6.223E-04 7.912E-04 6.921E-04 6.899E-04 7.135E-04 7.494E-04 7.865E-04
8.257E-04
     E       4.416E-04 2.820E-04 1.949E-04 1.511E-04 4.798E-04 6.364E-04 5.855E-04 6.065E-04 6.461E-04 6.933E-04 7.402E-04
7.873E-04
     ESE     4.768E-04 2.715E-04 1.771E-04 1.335E-04 4.164E-04 5.924E-04 6.025E-04 6.624E-04 7.313E-04 8.020E-04 8.697E-04
9.350E-04
     SE      8.117E-04 5.137E-04 3.504E-04 2.690E-04 8.335E-04 1.092E-03 1.044E-03 1.125E-03 1.235E-03 1.353E-03 1.468E-03
1.580E-03
     SSE     1.067E-03 7.243E-04 5.108E-04 3.982E-04 1.241E-03 1.555E-03 1.406E-03 1.476E-03 1.601E-03 1.743E-03 1.885E-03
2.024E-03
     S       1.160E-03 7.751E-04 5.443E-04 4.253E-04 1.362E-03 1.891E-03 1.874E-03 2.061E-03 2.291E-03 2.530E-03 2.761E-03
2.983E-03
     SSW     1.515E-03 1.016E-03 7.124E-04 5.556E-04 1.776E-03 2.452E-03 2.394E-03 2.599E-03 2.861E-03 3.136E-03 3.404E-03
3.662E-03
     SW      7.378E-04 4.741E-04 3.328E-04 2.634E-04 9.052E-04 1.495E-03 1.668E-03 1.926E-03 2.190E-03 2.446E-03 2.688E-03
2.916E-03
     WSW     2.784E-04 1.714E-04 1.211E-04 9.783E-05 3.642E-04 6.873E-04 8.128E-04 9.555E-04 1.094E-03 1.227E-03 1.351E-03
1.467E-03
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     W       1.502E-04 1.046E-04 7.943E-05 6.694E-05 2.653E-04 5.237E-04 6.253E-04 7.360E-04 8.429E-04 9.448E-04 1.040E-03
1.130E-03
     WNW     1.738E-04 1.219E-04 9.184E-05 7.658E-05 2.951E-04 5.581E-04 6.440E-04 7.438E-04 8.419E-04 9.366E-04 1.025E-03
1.110E-03
     NW      3.957E-04 2.622E-04 1.879E-04 1.502E-04 5.243E-04 8.372E-04 8.474E-04 9.069E-04 9.777E-04 1.054E-03 1.127E-03
1.199E-03
     NNW     6.643E-04 3.764E-04 2.559E-04 1.992E-04 6.761E-04 1.064E-03 1.033E-03 1.064E-03 1.112E-03 1.171E-03 1.230E-03
1.291E-03

                TOTAL DOSE COMMITMENT IS 1.910E-01 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
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                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS MILK ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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-----
     N       1.496E-04 8.820E-05 6.178E-05 4.820E-05 1.521E-04 1.870E-04 1.459E-04 1.291E-04 1.198E-04 1.147E-04 1.110E-04
1.088E-04
     NNE     2.075E-04 1.181E-04 8.058E-05 6.183E-05 1.891E-04 2.208E-04 1.643E-04 1.404E-04 1.265E-04 1.181E-04 1.117E-04
1.073E-04
     NE      1.304E-04 7.846E-05 5.460E-05 4.228E-05 1.296E-04 1.480E-04 1.105E-04 9.572E-05 8.773E-05 8.327E-05 8.010E-05
7.811E-05
     ENE     7.886E-05 5.132E-05 3.682E-05 2.898E-05 9.017E-05 1.021E-04 7.614E-05 6.686E-05 6.252E-05 6.059E-05 5.953E-05
5.920E-05
     E       5.671E-05 3.998E-05 2.967E-05 2.379E-05 7.558E-05 8.546E-05 6.362E-05 5.629E-05 5.334E-05 5.244E-05 5.231E-05
5.276E-05
     ESE     6.061E-05 3.990E-05 2.882E-05 2.278E-05 7.050E-05 7.786E-05 5.957E-05 5.480E-05 5.381E-05 5.445E-05 5.568E-05
5.730E-05
     SE      1.051E-04 7.515E-05 5.598E-05 4.486E-05 1.401E-04 1.503E-04 1.089E-04 9.676E-05 9.315E-05 9.326E-05 9.479E-05
9.725E-05
     SSE     1.435E-04 1.080E-04 8.234E-05 6.681E-05 2.123E-04 2.286E-04 1.602E-04 1.376E-04 1.292E-04 1.270E-04 1.274E-04
1.294E-04
     S       1.791E-04 1.369E-04 1.061E-04 8.690E-05 2.815E-04 3.122E-04 2.230E-04 1.936E-04 1.831E-04 1.808E-04 1.822E-04
1.859E-04
     SSW     2.468E-04 1.872E-04 1.441E-04 1.176E-04 3.809E-04 4.249E-04 3.017E-04 2.584E-04 2.407E-04 2.346E-04 2.337E-04
2.360E-04
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     SW      1.172E-04 8.890E-05 6.883E-05 5.618E-05 1.796E-04 2.015E-04 1.568E-04 1.482E-04 1.494E-04 1.546E-04 1.611E-04
1.683E-04
     WSW     4.047E-05 3.093E-05 2.431E-05 2.001E-05 6.467E-05 7.644E-05 6.550E-05 6.622E-05 6.959E-05 7.383E-05 7.820E-05
8.261E-05
     W       2.385E-05 2.042E-05 1.682E-05 1.415E-05 4.703E-05 5.732E-05 5.008E-05 5.102E-05 5.378E-05 5.713E-05 6.053E-05
6.392E-05
     WNW     2.646E-05 2.223E-05 1.811E-05 1.516E-05 5.033E-05 6.184E-05 5.338E-05 5.347E-05 5.554E-05 5.835E-05 6.127E-05
6.426E-05
     NW      5.310E-05 3.935E-05 3.019E-05 2.466E-05 8.157E-05 1.023E-04 8.400E-05 7.867E-05 7.703E-05 7.721E-05 7.793E-05
7.918E-05
     NNW     8.253E-05 5.236E-05 3.817E-05 3.049E-05 1.001E-04 1.304E-04 1.073E-04 9.868E-05 9.448E-05 9.272E-05 9.176E-05
9.164E-05

                TOTAL DOSE COMMITMENT IS 1.951E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: DUSA 2007- Arizona Strip    CODE: MILDOS-AREA (02/97)          PAGE  28
 METSET:                             DATA: AZNOTAIL.MIL                 01/26/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS MILK ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.879E-03 1.085E-03 7.500E-04 5.805E-04 1.813E-03 2.209E-03 1.694E-03 1.472E-03 1.340E-03 1.261E-03 1.200E-03
1.159E-03
     NNE     2.628E-03 1.472E-03 9.936E-04 7.569E-04 2.290E-03 2.643E-03 1.937E-03 1.628E-03 1.443E-03 1.326E-03 1.235E-03
1.168E-03
     NE      1.643E-03 9.722E-04 6.683E-04 5.136E-04 1.557E-03 1.755E-03 1.287E-03 1.094E-03 9.847E-04 9.193E-04 8.699E-04
8.358E-04
     ENE     9.854E-04 6.290E-04 4.450E-04 3.473E-04 1.067E-03 1.191E-03 8.688E-04 7.464E-04 6.837E-04 6.512E-04 6.293E-04
6.171E-04
     E       6.980E-04 4.817E-04 3.520E-04 2.797E-04 8.776E-04 9.758E-04 7.096E-04 6.136E-04 5.695E-04 5.504E-04 5.407E-04
5.384E-04
     ESE     7.475E-04 4.771E-04 3.374E-04 2.634E-04 8.016E-04 8.675E-04 6.469E-04 5.811E-04 5.591E-04 5.570E-04 5.620E-04
5.722E-04
     SE      1.291E-03 8.998E-04 6.580E-04 5.216E-04 1.603E-03 1.680E-03 1.183E-03 1.024E-03 9.655E-04 9.512E-04 9.539E-04
9.684E-04
     SSE     1.749E-03 1.288E-03 9.666E-04 7.768E-04 2.431E-03 2.557E-03 1.743E-03 1.461E-03 1.343E-03 1.300E-03 1.286E-03
1.293E-03
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S	2.124E-03	1.585E-03	1.206E-03	9.783E-04	3.119E-03	3.388E-03	2.363E-03	2.008E-03	1.866E-03	1.818E-03	1.811E-03	1.831E-03
SSW	2.900E-03	2.152E-03	1.630E-03	1.318E-03	4.206E-03	4.605E-03	3.201E-03	2.689E-03	2.464E-03	2.369E-03	2.333E-03	2.335E-03
SW	1.383E-03	1.018E-03	7.739E-04	6.257E-04	1.974E-03	2.172E-03	1.643E-03	1.517E-03	1.503E-03	1.535E-03	1.584E-03	1.643E-03
WSW	4.852E-04	3.558E-04	2.737E-04	2.230E-04	7.131E-04	8.290E-04	6.897E-04	6.802E-04	7.018E-04	7.351E-04	7.708E-04	8.080E-04
W	2.813E-04	2.320E-04	1.878E-04	1.569E-04	5.181E-04	6.233E-04	5.290E-04	5.257E-04	5.439E-04	5.702E-04	5.979E-04	6.265E-04
WNW	3.146E-04	2.554E-04	2.047E-04	1.701E-04	5.614E-04	6.829E-04	5.734E-04	5.595E-04	5.695E-04	5.893E-04	6.113E-04	6.351E-04
NW	6.475E-04	4.686E-04	3.542E-04	2.871E-04	9.424E-04	1.173E-03	9.422E-04	8.621E-04	8.264E-04	8.138E-04	8.085E-04	8.106E-04
NNW	1.023E-03	6.332E-04	4.544E-04	3.601E-04	1.173E-03	1.520E-03	1.229E-03	1.107E-03	1.039E-03	1.001E-03	9.737E-04	9.581E-04

TOTAL DOSE COMMITMENT IS 2.154E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.445E-02	5.821E-01	5.863E-02	5.539E-02	1.239E-01	1.261E+01
GROUND	1.121E-02	1.121E-02	1.121E-02	1.121E-02	1.121E-02	1.121E-02
CLOUD	7.510E-02	7.510E-02	7.510E-02	7.510E-02	7.510E-02	7.510E-02
VEG. ING	1.098E-01	1.287E+00	1.098E-01	3.342E-01	3.450E-01	1.098E-01
MEAT ING	9.375E-04	1.113E-02	9.375E-04	3.052E-03	2.784E-03	9.375E-04
MILK ING	1.015E-03	1.121E-02	1.015E-03	1.645E-03	3.469E-03	1.015E-03
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.425E-01	1.977E+00	2.567E-01	4.806E-01	5.615E-01	1.281E+01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	2.180E-01	2.554E+00	2.180E-01	6.635E-01	6.850E-01	2.180E-01
MEAT ING	1.515E-02	1.799E-01	1.515E-02	4.931E-02	4.498E-02	1.515E-02
MILK ING	1.850E-02	2.042E-01	1.850E-02	2.999E-02	6.323E-02	1.850E-02
RNPLUS50	1.154E+01	1.548E+02	2.533E+00	1.154E+01	1.154E+01	7.316E+01
TOTALS	1.179E+01	1.577E+02	2.784E+00	1.228E+01	1.233E+01	7.341E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.445E-02	5.821E-01	5.863E-02	5.539E-02	1.239E-01	1.261E+01
GROUND	1.121E-02	1.121E-02	1.121E-02	1.121E-02	1.121E-02	1.121E-02
CLOUD	7.510E-02	7.510E-02	7.510E-02	7.510E-02	7.510E-02	7.510E-02
VEG. ING	3.278E-01	3.841E+00	3.278E-01	9.977E-01	1.030E+00	3.278E-01
MEAT ING	1.608E-02	1.910E-01	1.608E-02	5.237E-02	4.776E-02	1.608E-02
MILK ING	1.951E-02	2.154E-01	1.951E-02	3.164E-02	6.670E-02	1.951E-02
RNPLUS50	1.154E+01	1.548E+02	2.533E+00	1.154E+01	1.154E+01	7.316E+01
TOTALS	1.203E+01	1.597E+02	3.041E+00	1.276E+01	1.289E+01	8.622E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	4.706E-07	4.706E-07	4.705E-07	4.695E-07	1.806E-01	1.806E-01	1.806E-01	1.806E-01
1	White Mesa Community	2	4.027E-05	8.849E-08	5.228E-08	3.130E-07	1.546E+01	3.397E-02	2.006E-02	2.006E-02
1	White Mesa Community	3	5.192E-06	5.192E-06	5.192E-06	5.180E-06	1.993E+00	1.993E+00	1.992E+00	1.992E+00
1	White Mesa Community	4	1.790E-06	1.790E-06	1.790E-06	1.786E-06	6.012E+00	6.012E+00	6.010E+00	6.010E+00
	CONCENTRATION TOTALS		4.772E-05	7.541E-06	7.505E-06	7.748E-06	2.364E+01	8.220E+00	8.202E+00	8.202E+00
2	BHV-1	1	6.076E-06	6.076E-06	6.075E-06	6.061E-06	2.332E+00	2.332E+00	2.331E+00	2.331E+00
2	BHV-1	2	7.475E-04	1.643E-06	9.705E-07	5.810E-06	2.870E+02	6.306E-01	3.724E-01	3.724E-01

2 BHV-1	3	4.942E-05	4.942E-05	4.942E-05	4.931E-05	1.897E+01	1.897E+01	1.896E+01	1.896E+01
2 BHV-1	4	6.530E-05	6.530E-05	6.530E-05	6.515E-05	2.193E+02	2.193E+02	2.192E+02	2.192E+02
CONCENTRATION TOTALS		8.683E-04	1.224E-04	1.218E-04	1.263E-04	5.276E+02	2.412E+02	2.409E+02	2.409E+02
3 BHV-2	1	9.221E-07	9.221E-07	9.220E-07	9.199E-07	3.540E-01	3.540E-01	3.538E-01	3.538E-01
3 BHV-2	2	9.881E-05	2.171E-07	1.283E-07	7.680E-07	3.793E+01	8.336E-02	4.923E-02	4.923E-02
3 BHV-2	3	9.049E-06	9.049E-06	9.049E-06	9.028E-06	3.474E+00	3.474E+00	3.473E+00	3.473E+00
3 BHV-2	4	9.002E-06	9.002E-06	9.002E-06	8.981E-06	3.023E+01	3.023E+01	3.022E+01	3.022E+01
CONCENTRATION TOTALS		1.178E-04	1.919E-05	1.910E-05	1.970E-05	7.199E+01	3.414E+01	3.410E+01	3.410E+01
4 Nearest Resident	1	2.661E-06	2.661E-06	2.661E-06	2.655E-06	1.021E+00	1.021E+00	1.021E+00	1.021E+00
4 Nearest Resident	2	4.359E-04	9.580E-07	5.660E-07	3.388E-06	1.674E+02	3.678E-01	2.172E-01	2.172E-01
4 Nearest Resident	3	3.014E-05	3.014E-05	3.014E-05	3.007E-05	1.157E+01	1.157E+01	1.157E+01	1.157E+01
4 Nearest Resident	4	3.670E-05	3.670E-05	3.670E-05	3.661E-05	1.233E+02	1.233E+02	1.232E+02	1.232E+02
CONCENTRATION TOTALS		5.054E-04	7.046E-05	7.007E-05	7.273E-05	3.032E+02	1.362E+02	1.360E+02	1.360E+02
5 Blanding	1	2.674E-07	2.674E-07	2.674E-07	2.668E-07	1.027E-01	1.027E-01	1.026E-01	1.026E-01
5 Blanding	2	2.896E-05	6.364E-08	3.760E-08	2.251E-07	1.112E+01	2.443E-02	1.443E-02	1.443E-02
5 Blanding	3	2.404E-06	2.403E-06	2.403E-06	2.398E-06	9.227E-01	9.227E-01	9.223E-01	9.223E-01
5 Blanding	4	1.937E-06	1.937E-06	1.937E-06	1.932E-06	6.505E+00	6.505E+00	6.502E+00	6.502E+00
CONCENTRATION TOTALS		3.357E-05	4.671E-06	4.645E-06	4.822E-06	1.865E+01	7.555E+00	7.541E+00	7.541E+00
6 Graz Loc 1	1	7.814E-05	7.814E-05	7.814E-05	7.796E-05	3.000E+01	3.000E+01	2.999E+01	2.999E+01
6 Graz Loc 1	2	3.258E-03	7.160E-06	4.230E-06	2.532E-05	1.251E+03	2.749E+00	1.623E+00	1.623E+00
6 Graz Loc 1	3	1.083E-03	1.083E-03	1.083E-03	1.081E-03	4.159E+02	4.159E+02	4.157E+02	4.157E+02

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  6  Graz Loc 1            4    1.484E-03    1.484E-03    1.484E-03    1.481E-03    4.984E+03    4.984E+03    4.982E+03
4.982E+03
    CONCENTRATION TOTALS        5.903E-03    2.653E-03    2.650E-03    2.665E-03    6.681E+03    5.433E+03    5.429E+03
5.429E+03
 ----------------------------   ----------------------------------------------    ----------------------------------------
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  7  Graz Loc 2            1    2.191E-05    2.191E-05    2.191E-05    2.186E-05    8.410E+00    8.410E+00    8.406E+00
8.406E+00
  7  Graz Loc 2            2    1.890E-03    4.154E-06    2.454E-06    1.469E-05    7.257E+02    1.595E+00    9.419E-01
9.419E-01
  7  Graz Loc 2            3    1.121E-04    1.121E-04    1.121E-04    1.118E-04    4.304E+01    4.304E+01    4.302E+01
4.302E+01
  7  Graz Loc 2            4    5.134E-05    5.134E-05    5.134E-05    5.122E-05    1.724E+02    1.724E+02    1.724E+02
1.724E+02
    CONCENTRATION TOTALS        2.076E-03    1.895E-04    1.878E-04    1.996E-04    9.496E+02    2.255E+02    2.247E+02
2.247E+02
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                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                   INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS
                                AIRBORNE CONCENTRATIONS, PCI/M3                              GROUND CONCENTRATIONS, PCI/M2
   NO.     Rn-222    Po-218    Pb-214    Bi-214    Pb-210    Bi-210    Po-210       WL     Po-218    Pb-214    Bi-214    Pb-210
   ---   ------------------------------------------------------------------------------ ---------------------------------------
-
    1    3.340E+00 3.339E+00 2.728E+00 2.243E+00 1.492E-05 1.088E-07 2.091E-11 2.564E-05 2.644E+00 2.644E+00 2.644E+00
2.702E+00
    2    1.873E+01 1.675E+01 6.654E+00 3.035E+00 2.887E-06 3.223E-09 1.019E-13 6.230E-05 1.326E+01 1.326E+01 1.326E+01 5.229E-
01
    3    4.466E+00 4.404E+00 2.914E+00 2.149E+00 6.953E-06 2.449E-08 2.339E-12 2.733E-05 3.488E+00 3.488E+00 3.488E+00
1.259E+00
    4    1.215E+01 1.134E+01 5.410E+00 3.006E+00 4.421E-06 7.723E-09 3.867E-13 5.032E-05 8.982E+00 8.982E+00 8.982E+00 8.005E-
01
    5    1.485E+00 1.485E+00 1.254E+00 1.072E+00 8.863E-06 7.687E-08 1.730E-11 1.189E-05 1.176E+00 1.176E+00 1.176E+00
1.605E+00
    6    2.903E+02 1.889E+02 2.298E+01 2.769E+00 4.844E-07 1.113E-10 7.922E-16 3.215E-04 1.496E+02 1.496E+02 1.496E+02 8.773E-
02
    7    5.181E+01 4.889E+01 2.059E+01 9.494E+00 9.476E-06 1.119E-08 3.743E-13 1.902E-04 3.872E+01 3.872E+01 3.872E+01
1.716E+00
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                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

 NUMBER  1  NAME=White Mesa Community  X=   3.2KM, Y=  -7.8KM, Z=-101.0M, DIST=   8.5KM, IRTYPE=10

                               40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR
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                AGE         PATHWAY       EFFECTIV      BONE          AVG.LUNG      LIVER         KIDNEY        BRONCHI
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INFANT	INHAL.	6.53E-02	2.27E-01	8.11E-02	3.22E-02	1.60E-01	0.00E+00
INFANT	GROUND	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05
INFANT	CLOUD	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.05E-02	3.21E-02	6.75E-03	6.75E-03	2.79E-02	0.00E+00
INFANT	TOTALS	7.59E-02	2.59E-01	8.79E-02	3.91E-02	1.88E-01	9.81E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.51E-02	9.86E-02	3.48E-02	1.22E-02	4.19E-02	0.00E+00
CHILD	GROUND	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05
CHILD	CLOUD	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09
CHILD	VEG. ING	1.02E-02	5.05E-02	3.53E-02	3.53E-02	3.90E-02	0.00E+00
CHILD	MEAT ING	2.65E-04	1.32E-03	1.11E-03	1.11E-03	1.01E-03	0.00E+00
CHILD	MILK ING	8.96E-04	5.19E-03	1.52E-03	1.52E-03	3.76E-03	0.00E+00
CHILD	TOTALS	2.65E-02	1.56E-01	7.28E-02	5.03E-02	8.57E-02	9.81E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.95E-03	1.65E-01	1.76E-02	5.51E-03	2.11E-02	0.00E+00
TEENAGE	GROUND	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05
TEENAGE	CLOUD	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09
TEENAGE	VEG. ING	1.60E-02	2.78E-01	3.15E-02	3.15E-02	4.03E-02	0.00E+00
TEENAGE	MEAT ING	4.10E-04	6.93E-03	9.75E-04	9.75E-04	1.02E-03	0.00E+00
TEENAGE	MILK ING	1.07E-03	2.32E-02	9.75E-04	9.75E-04	2.86E-03	0.00E+00
TEENAGE	TOTALS	2.75E-02	4.72E-01	5.12E-02	3.91E-02	6.53E-02	9.81E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.71E-03	1.03E-01	1.43E-02	4.23E-03	1.50E-02	0.00E+00
ADULT	GROUND	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05	9.81E-05
ADULT	CLOUD	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09
ADULT	VEG. ING	8.75E-03	1.09E-01	2.06E-02	2.06E-02	2.45E-02	0.00E+00
ADULT	MEAT ING	2.93E-04	3.64E-03	8.05E-04	8.05E-04	8.01E-04	0.00E+00
ADULT	MILK ING	1.98E-04	2.95E-03	2.41E-04	2.41E-04	6.27E-04	0.00E+00
ADULT	TOTALS	1.71E-02	2.18E-01	3.60E-02	2.59E-02	4.11E-02	9.81E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.18E-01	2.35E-01	8.18E-02	7.40E-02	1.76E-01	4.17E+00
INFANT	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
INFANT	CLOUD	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.08E-02	3.27E-02	8.01E-03	8.01E-03	2.90E-02	0.00E+00
INFANT	TOTALS	3.56E-01	2.95E-01	1.17E-01	1.09E-01	2.32E-01	4.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.67E-01	1.05E-01	3.51E-02	3.08E-02	4.95E-02	4.17E+00
CHILD	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
CHILD	CLOUD	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02
CHILD	VEG. ING	1.16E-02	5.67E-02	4.26E-02	4.26E-02	4.43E-02	0.00E+00
CHILD	MEAT ING	3.09E-04	1.51E-03	1.35E-03	1.35E-03	1.18E-03	0.00E+00
CHILD	MILK ING	9.51E-04	5.44E-03	1.81E-03	1.81E-03	3.97E-03	0.00E+00
CHILD	TOTALS	3.07E-01	1.96E-01	1.08E-01	1.04E-01	1.26E-01	4.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.62E-01	1.80E-01	1.78E-02	1.35E-02	2.49E-02	4.17E+00
TEENAGE	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
TEENAGE	CLOUD	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02
TEENAGE	VEG. ING	1.80E-02	3.07E-01	3.80E-02	3.80E-02	4.56E-02	0.00E+00
TEENAGE	MEAT ING	4.73E-04	7.87E-03	1.18E-03	1.18E-03	1.18E-03	0.00E+00
TEENAGE	MILK ING	1.13E-03	2.41E-02	1.16E-03	1.16E-03	3.01E-03	0.00E+00
TEENAGE	TOTALS	3.09E-01	5.46E-01	8.54E-02	8.11E-02	1.02E-01	4.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.59E-01	1.12E-01	1.44E-02	1.09E-02	1.82E-02	4.17E+00
ADULT	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
ADULT	CLOUD	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02
ADULT	VEG. ING	9.98E-03	1.23E-01	2.48E-02	2.48E-02	2.80E-02	0.00E+00
ADULT	MEAT ING	3.41E-04	4.21E-03	9.73E-04	9.73E-04	9.37E-04	0.00E+00
ADULT	MILK ING	2.12E-04	3.11E-03	2.88E-04	2.88E-04	6.65E-04	0.00E+00
ADULT	TOTALS	2.97E-01	2.69E-01	6.77E-02	6.42E-02	7.51E-02	4.20E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.07E+00	3.71E+00	9.04E-01	5.19E-01	2.83E+00	0.00E+00
INFANT	GROUND	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03
INFANT	CLOUD	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.57E-01	7.94E-01	1.97E-01	1.97E-01	6.60E-01	0.00E+00
INFANT	TOTALS	1.33E+00	4.51E+00	1.10E+00	7.18E-01	3.50E+00	2.37E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.24E-01	1.48E+00	3.81E-01	1.97E-01	7.41E-01	0.00E+00
CHILD	GROUND	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03
CHILD	CLOUD	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08
CHILD	VEG. ING	2.83E-01	1.40E+00	1.03E+00	1.03E+00	1.05E+00	0.00E+00
CHILD	MEAT ING	7.52E-03	3.74E-02	3.26E-02	3.26E-02	2.83E-02	0.00E+00
CHILD	MILK ING	2.31E-02	1.37E-01	4.43E-02	4.43E-02	9.13E-02	0.00E+00
CHILD	TOTALS	5.39E-01	3.06E+00	1.49E+00	1.31E+00	1.91E+00	2.37E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.47E-01	2.65E+00	1.92E-01	8.87E-02	3.73E-01	0.00E+00
TEENAGE	GROUND	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03
TEENAGE	CLOUD	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08
TEENAGE	VEG. ING	4.46E-01	7.66E+00	9.22E-01	9.22E-01	1.08E+00	0.00E+00
TEENAGE	MEAT ING	1.17E-02	1.96E-01	2.85E-02	2.85E-02	2.83E-02	0.00E+00
TEENAGE	MILK ING	2.85E-02	6.13E-01	2.84E-02	2.84E-02	6.95E-02	0.00E+00
TEENAGE	TOTALS	6.36E-01	1.11E+01	1.17E+00	1.07E+00	1.55E+00	2.37E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.09E-01	1.55E+00	1.55E-01	6.80E-02	2.66E-01	0.00E+00
ADULT	GROUND	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03	2.37E-03
ADULT	CLOUD	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08	9.49E-08
ADULT	VEG. ING	2.47E-01	3.06E+00	6.01E-01	6.01E-01	6.63E-01	0.00E+00
ADULT	MEAT ING	8.39E-03	1.04E-01	2.35E-02	2.35E-02	2.24E-02	0.00E+00
ADULT	MILK ING	5.30E-03	7.92E-02	7.04E-03	7.04E-03	1.53E-02	0.00E+00
ADULT	TOTALS	3.72E-01	4.79E+00	7.89E-01	7.02E-01	9.69E-01	2.37E-03

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.48E+00	3.71E+00	9.04E-01	5.28E-01	2.84E+00	2.34E+01
INFANT	GROUND	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02
INFANT	CLOUD	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.57E-01	7.94E-01	1.97E-01	1.97E-01	6.60E-01	0.00E+00
INFANT	TOTALS	2.82E+00	4.59E+00	1.19E+00	8.10E-01	3.58E+00	2.35E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.63E+00	1.48E+00	3.81E-01	2.01E-01	7.43E-01	2.34E+01
CHILD	GROUND	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02
CHILD	CLOUD	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02
CHILD	VEG. ING	2.83E-01	1.41E+00	1.03E+00	1.03E+00	1.05E+00	0.00E+00
CHILD	MEAT ING	7.53E-03	3.74E-02	3.26E-02	3.26E-02	2.83E-02	0.00E+00
CHILD	MILK ING	2.31E-02	1.37E-01	4.43E-02	4.43E-02	9.13E-02	0.00E+00
CHILD	TOTALS	2.03E+00	3.15E+00	1.58E+00	1.40E+00	2.00E+00	2.35E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.55E+00	2.65E+00	1.92E-01	9.02E-02	3.74E-01	2.34E+01
TEENAGE	GROUND	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02
TEENAGE	CLOUD	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02
TEENAGE	VEG. ING	4.47E-01	7.67E+00	9.23E-01	9.23E-01	1.08E+00	0.00E+00
TEENAGE	MEAT ING	1.17E-02	1.96E-01	2.86E-02	2.86E-02	2.83E-02	0.00E+00
TEENAGE	MILK ING	2.85E-02	6.13E-01	2.85E-02	2.85E-02	6.95E-02	0.00E+00
TEENAGE	TOTALS	2.13E+00	1.12E+01	1.26E+00	1.16E+00	1.64E+00	2.35E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.51E+00	1.55E+00	1.55E-01	6.92E-02	2.67E-01	2.34E+01
ADULT	GROUND	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02	4.78E-02
ADULT	CLOUD	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02	3.83E-02
ADULT	VEG. ING	2.47E-01	3.06E+00	6.02E-01	6.02E-01	6.64E-01	0.00E+00
ADULT	MEAT ING	8.40E-03	1.04E-01	2.36E-02	2.36E-02	2.24E-02	0.00E+00
ADULT	MILK ING	5.30E-03	7.92E-02	7.05E-03	7.05E-03	1.54E-02	0.00E+00
ADULT	TOTALS	1.86E+00	4.88E+00	8.74E-01	7.88E-01	1.05E+00	2.35E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.54E-01	5.39E-01	1.51E-01	8.11E-02	3.94E-01	0.00E+00
INFANT	GROUND	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04
INFANT	CLOUD	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.55E-02	1.10E-01	2.78E-02	2.78E-02	9.09E-02	0.00E+00
INFANT	TOTALS	1.90E-01	6.50E-01	1.79E-01	1.09E-01	4.85E-01	3.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.39E-02	2.26E-01	6.42E-02	3.08E-02	1.03E-01	0.00E+00
CHILD	GROUND	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04
CHILD	CLOUD	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08
CHILD	VEG. ING	3.97E-02	1.97E-01	1.46E-01	1.46E-01	1.47E-01	0.00E+00
CHILD	MEAT ING	1.06E-03	5.27E-03	4.61E-03	4.61E-03	3.98E-03	0.00E+00
CHILD	MILK ING	3.21E-03	1.91E-02	6.26E-03	6.26E-03	1.26E-02	0.00E+00
CHILD	TOTALS	7.82E-02	4.49E-01	2.21E-01	1.88E-01	2.67E-01	3.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.23E-02	3.89E-01	3.25E-02	1.39E-02	5.21E-02	0.00E+00
TEENAGE	GROUND	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04
TEENAGE	CLOUD	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08
TEENAGE	VEG. ING	6.28E-02	1.08E+00	1.30E-01	1.30E-01	1.51E-01	0.00E+00
TEENAGE	MEAT ING	1.65E-03	2.76E-02	4.03E-03	4.03E-03	3.98E-03	0.00E+00
TEENAGE	MILK ING	3.98E-03	8.56E-02	4.02E-03	4.02E-03	9.61E-03	0.00E+00
TEENAGE	TOTALS	9.11E-02	1.58E+00	1.71E-01	1.53E-01	2.17E-01	3.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.69E-02	2.36E-01	2.63E-02	1.06E-02	3.71E-02	0.00E+00
ADULT	GROUND	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04	3.27E-04
ADULT	CLOUD	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08	1.30E-08
ADULT	VEG. ING	3.48E-02	4.31E-01	8.50E-02	8.50E-02	9.30E-02	0.00E+00
ADULT	MEAT ING	1.18E-03	1.47E-02	3.33E-03	3.33E-03	3.16E-03	0.00E+00
ADULT	MILK ING	7.42E-04	1.11E-02	9.96E-04	9.96E-04	2.12E-03	0.00E+00
ADULT	TOTALS	5.40E-02	6.93E-01	1.16E-01	1.00E-01	1.36E-01	3.28E-04

METSET: DATA: AZNOTAIL.MIL 01/26/08
TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.90E-01	5.43E-01	1.51E-01	1.01E-01	4.01E-01	5.58E+00
INFANT	GROUND	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03
INFANT	CLOUD	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.57E-02	1.10E-01	2.84E-02	2.84E-02	9.14E-02	0.00E+00
INFANT	TOTALS	5.57E-01	6.85E-01	2.11E-01	1.61E-01	5.25E-01	5.61E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.69E-01	2.29E-01	6.43E-02	3.95E-02	1.07E-01	5.58E+00
CHILD	GROUND	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03
CHILD	CLOUD	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02
CHILD	VEG. ING	4.04E-02	2.00E-01	1.49E-01	1.49E-01	1.49E-01	0.00E+00
CHILD	MEAT ING	1.08E-03	5.37E-03	4.72E-03	4.72E-03	4.05E-03	0.00E+00
CHILD	MILK ING	3.24E-03	1.93E-02	6.40E-03	6.40E-03	1.27E-02	0.00E+00
CHILD	TOTALS	4.46E-01	4.86E-01	2.57E-01	2.32E-01	3.05E-01	5.61E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.58E-01	3.96E-01	3.26E-02	1.76E-02	5.38E-02	5.58E+00
TEENAGE	GROUND	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03
TEENAGE	CLOUD	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02
TEENAGE	VEG. ING	6.38E-02	1.09E+00	1.33E-01	1.33E-01	1.54E-01	0.00E+00
TEENAGE	MEAT ING	1.68E-03	2.81E-02	4.13E-03	4.13E-03	4.06E-03	0.00E+00
TEENAGE	MILK ING	4.01E-03	8.60E-02	4.11E-03	4.11E-03	9.68E-03	0.00E+00
TEENAGE	TOTALS	4.59E-01	1.63E+00	2.06E-01	1.91E-01	2.53E-01	5.61E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.52E-01	2.40E-01	2.63E-02	1.37E-02	3.86E-02	5.58E+00
ADULT	GROUND	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03	7.05E-03
ADULT	CLOUD	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02	2.46E-02
ADULT	VEG. ING	3.54E-02	4.38E-01	8.70E-02	8.70E-02	9.46E-02	0.00E+00
ADULT	MEAT ING	1.21E-03	1.50E-02	3.41E-03	3.41E-03	3.22E-03	0.00E+00
ADULT	MILK ING	7.48E-04	1.12E-02	1.02E-03	1.02E-03	2.14E-03	0.00E+00

ADULT	TOTALS	4.21E-01	7.36E-01	1.49E-01	1.37E-01	1.70E-01	5.61E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.21E-01	2.15E+00	5.07E-01	3.00E-01	1.65E+00	0.00E+00
INFANT	GROUND	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03
INFANT	CLOUD	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.47E-01	4.53E-01	1.11E-01	1.11E-01	3.78E-01	0.00E+00
INFANT	TOTALS	7.69E-01	2.60E+00	6.19E-01	4.13E-01	2.03E+00	1.36E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.29E-01	8.52E-01	2.13E-01	1.14E-01	4.31E-01	0.00E+00
CHILD	GROUND	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03
CHILD	CLOUD	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
CHILD	VEG. ING	1.60E-01	7.95E-01	5.83E-01	5.83E-01	5.95E-01	0.00E+00
CHILD	MEAT ING	4.26E-03	2.12E-02	1.84E-02	1.84E-02	1.60E-02	0.00E+00
CHILD	MILK ING	1.31E-02	7.78E-02	2.50E-02	2.50E-02	5.21E-02	0.00E+00
CHILD	TOTALS	3.08E-01	1.75E+00	8.41E-01	7.42E-01	1.10E+00	1.36E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.46E-02	1.53E+00	1.08E-01	5.12E-02	2.17E-01	0.00E+00
TEENAGE	GROUND	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03
TEENAGE	CLOUD	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
TEENAGE	VEG. ING	2.53E-01	4.34E+00	5.21E-01	5.21E-01	6.13E-01	0.00E+00
TEENAGE	MEAT ING	6.61E-03	1.11E-01	1.61E-02	1.61E-02	1.60E-02	0.00E+00
TEENAGE	MILK ING	1.62E-02	3.48E-01	1.61E-02	1.61E-02	3.97E-02	0.00E+00
TEENAGE	TOTALS	3.62E-01	6.33E+00	6.62E-01	6.05E-01	8.87E-01	1.36E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.26E-02	8.89E-01	8.68E-02	3.92E-02	1.55E-01	0.00E+00
ADULT	GROUND	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03
ADULT	CLOUD	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08	5.52E-08
ADULT	VEG. ING	1.40E-01	1.73E+00	3.39E-01	3.39E-01	3.76E-01	0.00E+00
ADULT	MEAT ING	4.74E-03	5.89E-02	1.33E-02	1.33E-02	1.27E-02	0.00E+00

ADULT	MILK ING	3.01E-03	4.49E-02	3.98E-03	3.98E-03	8.76E-03	0.00E+00
ADULT	TOTALS	2.12E-01	2.73E+00	4.45E-01	3.97E-01	5.54E-01	1.36E-03

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.53E+00	2.15E+00	5.07E-01	3.13E-01	1.65E+00	1.52E+01
INFANT	GROUND	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02
INFANT	CLOUD	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.47E-01	4.53E-01	1.11E-01	1.11E-01	3.78E-01	0.00E+00
INFANT	TOTALS	1.74E+00	2.67E+00	6.82E-01	4.87E-01	2.09E+00	1.52E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.04E+00	8.54E-01	2.13E-01	1.19E-01	4.33E-01	1.52E+01
CHILD	GROUND	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02
CHILD	CLOUD	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02
CHILD	VEG. ING	1.60E-01	7.97E-01	5.85E-01	5.85E-01	5.97E-01	0.00E+00
CHILD	MEAT ING	4.27E-03	2.12E-02	1.85E-02	1.85E-02	1.61E-02	0.00E+00
CHILD	MILK ING	1.31E-02	7.79E-02	2.51E-02	2.51E-02	5.22E-02	0.00E+00
CHILD	TOTALS	1.28E+00	1.81E+00	9.06E-01	8.12E-01	1.16E+00	1.52E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	9.96E-01	1.53E+00	1.08E-01	5.36E-02	2.18E-01	1.52E+01
TEENAGE	GROUND	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02
TEENAGE	CLOUD	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02
TEENAGE	VEG. ING	2.53E-01	4.35E+00	5.23E-01	5.23E-01	6.15E-01	0.00E+00
TEENAGE	MEAT ING	6.63E-03	1.11E-01	1.62E-02	1.62E-02	1.61E-02	0.00E+00
TEENAGE	MILK ING	1.62E-02	3.48E-01	1.61E-02	1.61E-02	3.97E-02	0.00E+00
TEENAGE	TOTALS	1.34E+00	6.41E+00	7.26E-01	6.72E-01	9.52E-01	1.52E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.74E-01	8.92E-01	8.68E-02	4.12E-02	1.56E-01	1.52E+01
ADULT	GROUND	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02	2.73E-02

ADULT	CLOUD	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02	3.63E-02
ADULT	VEG. ING	1.40E-01	1.74E+00	3.41E-01	3.41E-01	3.77E-01	0.00E+00
ADULT	MEAT ING	4.76E-03	5.91E-02	1.33E-02	1.33E-02	1.27E-02	0.00E+00
ADULT	MILK ING	3.01E-03	4.50E-02	3.99E-03	3.99E-03	8.78E-03	0.00E+00
ADULT	TOTALS	1.19E+00	2.80E+00	5.08E-01	4.63E-01	6.18E-01	1.52E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.24E-02	1.46E-01	4.14E-02	1.99E-02	1.10E-01	0.00E+00
INFANT	GROUND	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05
INFANT	CLOUD	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.70E-03	2.67E-02	6.18E-03	6.18E-03	2.27E-02	0.00E+00
INFANT	TOTALS	5.12E-02	1.73E-01	4.77E-02	2.62E-02	1.32E-01	8.08E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.11E-03	5.96E-02	1.76E-02	7.56E-03	2.87E-02	0.00E+00
CHILD	GROUND	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05
CHILD	CLOUD	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09
CHILD	VEG. ING	9.06E-03	4.50E-02	3.24E-02	3.24E-02	3.41E-02	0.00E+00
CHILD	MEAT ING	2.39E-04	1.19E-03	1.02E-03	1.02E-03	9.04E-04	0.00E+00
CHILD	MILK ING	7.63E-04	4.49E-03	1.39E-03	1.39E-03	3.10E-03	0.00E+00
CHILD	TOTALS	1.93E-02	1.10E-01	5.25E-02	4.25E-02	6.68E-02	8.08E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.99E-03	1.05E-01	8.90E-03	3.40E-03	1.44E-02	0.00E+00
TEENAGE	GROUND	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05
TEENAGE	CLOUD	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09
TEENAGE	VEG. ING	1.43E-02	2.46E-01	2.89E-02	2.89E-02	3.51E-02	0.00E+00
TEENAGE	MEAT ING	3.70E-04	6.23E-03	8.94E-04	8.94E-04	9.06E-04	0.00E+00
TEENAGE	MILK ING	9.30E-04	2.01E-02	8.93E-04	8.93E-04	2.36E-03	0.00E+00
TEENAGE	TOTALS	2.16E-02	3.77E-01	3.97E-02	3.42E-02	5.29E-02	8.08E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.50E-03	6.21E-02	7.18E-03	2.61E-03	1.03E-02	0.00E+00

ADULT	GROUND	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05	8.07E-05
ADULT	CLOUD	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09	3.66E-09
ADULT	VEG. ING	7.86E-03	9.76E-02	1.89E-02	1.89E-02	2.15E-02	0.00E+00
ADULT	MEAT ING	2.65E-04	3.30E-03	7.39E-04	7.39E-04	7.16E-04	0.00E+00
ADULT	MILK ING	1.73E-04	2.57E-03	2.21E-04	2.21E-04	5.20E-04	0.00E+00
ADULT	TOTALS	1.29E-02	1.66E-01	2.71E-02	2.25E-02	3.31E-02	8.08E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.55E-01	1.51E-01	4.19E-02	4.47E-02	1.19E-01	1.86E+00
INFANT	GROUND	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
INFANT	CLOUD	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.90E-03	2.71E-02	6.93E-03	6.93E-03	2.34E-02	0.00E+00
INFANT	TOTALS	1.78E-01	1.92E-01	6.24E-02	6.53E-02	1.56E-01	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.21E-01	6.32E-02	1.78E-02	1.86E-02	3.32E-02	1.86E+00
CHILD	GROUND	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
CHILD	CLOUD	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02
CHILD	VEG. ING	9.87E-03	4.86E-02	3.67E-02	3.67E-02	3.72E-02	0.00E+00
CHILD	MEAT ING	2.65E-04	1.30E-03	1.16E-03	1.16E-03	1.00E-03	0.00E+00
CHILD	MILK ING	7.96E-04	4.63E-03	1.56E-03	1.56E-03	3.23E-03	0.00E+00
CHILD	TOTALS	1.46E-01	1.31E-01	7.08E-02	7.16E-02	8.83E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.18E-01	1.14E-01	8.99E-03	8.13E-03	1.67E-02	1.86E+00
TEENAGE	GROUND	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
TEENAGE	CLOUD	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02
TEENAGE	VEG. ING	1.55E-02	2.64E-01	3.28E-02	3.28E-02	3.83E-02	0.00E+00
TEENAGE	MEAT ING	4.08E-04	6.79E-03	1.01E-03	1.01E-03	1.01E-03	0.00E+00
TEENAGE	MILK ING	9.65E-04	2.06E-02	1.00E-03	1.00E-03	2.45E-03	0.00E+00
TEENAGE	TOTALS	1.49E-01	4.19E-01	5.74E-02	5.65E-02	7.21E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.17E-01	6.74E-02	7.26E-03	6.55E-03	1.22E-02	1.86E+00
ADULT	GROUND	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
ADULT	CLOUD	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02	1.20E-02
ADULT	VEG. ING	8.59E-03	1.06E-01	2.14E-02	2.14E-02	2.35E-02	0.00E+00
ADULT	MEAT ING	2.94E-04	3.63E-03	8.38E-04	8.38E-04	7.97E-04	0.00E+00
ADULT	MILK ING	1.81E-04	2.67E-03	2.49E-04	2.49E-04	5.42E-04	0.00E+00
ADULT	TOTALS	1.39E-01	1.93E-01	4.33E-02	4.26E-02	5.07E-02	1.87E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.14E+01	4.47E+01	1.53E+01	1.08E+01	2.56E+01	0.00E+00
INFANT	GROUND	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02
INFANT	CLOUD	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.17E+00	1.33E+01	4.38E+00	4.38E+00	9.94E+00	0.00E+00
INFANT	TOTALS	1.56E+01	5.80E+01	1.97E+01	1.53E+01	3.56E+01	3.75E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.16E+00	2.36E+01	6.65E+00	4.13E+00	6.93E+00	0.00E+00
CHILD	GROUND	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02
CHILD	CLOUD	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07
CHILD	VEG. ING	5.84E+00	2.92E+01	2.31E+01	2.31E+01	2.06E+01	0.00E+00
CHILD	MEAT ING	1.61E-01	8.04E-01	7.30E-01	7.30E-01	5.90E-01	0.00E+00
CHILD	MILK ING	4.18E-01	2.61E+00	9.88E-01	9.88E-01	1.46E+00	0.00E+00
CHILD	TOTALS	9.62E+00	5.62E+01	3.15E+01	2.90E+01	2.96E+01	3.75E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.13E+00	3.43E+01	3.38E+00	1.86E+00	3.51E+00	0.00E+00
TEENAGE	GROUND	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02
TEENAGE	CLOUD	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07
TEENAGE	VEG. ING	9.37E+00	1.57E+02	2.06E+01	2.06E+01	2.12E+01	0.00E+00
TEENAGE	MEAT ING	2.53E-01	4.19E+00	6.39E-01	6.39E-01	5.89E-01	0.00E+00
TEENAGE	MILK ING	5.47E-01	1.17E+01	6.35E-01	6.35E-01	1.12E+00	0.00E+00
TEENAGE	TOTALS	1.23E+01	2.08E+02	2.53E+01	2.38E+01	2.64E+01	3.75E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.74E+00	2.46E+01	2.75E+00	1.42E+00	2.50E+00	0.00E+00
ADULT	GROUND	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02	3.75E-02
ADULT	CLOUD	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07	7.45E-07
ADULT	VEG. ING	5.25E+00	6.46E+01	1.35E+01	1.35E+01	1.32E+01	0.00E+00
ADULT	MEAT ING	1.83E-01	2.26E+00	5.27E-01	5.27E-01	4.71E-01	0.00E+00
ADULT	MILK ING	1.03E-01	1.55E+00	1.57E-01	1.57E-01	2.51E-01	0.00E+00
ADULT	TOTALS	7.31E+00	9.30E+01	1.69E+01	1.56E+01	1.64E+01	3.75E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.32E+01	4.47E+01	1.53E+01	1.09E+01	2.56E+01	3.63E+02
INFANT	GROUND	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00
INFANT	CLOUD	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.17E+00	1.33E+01	4.38E+00	4.38E+00	9.94E+00	0.00E+00
INFANT	TOTALS	3.84E+01	5.91E+01	2.08E+01	1.63E+01	3.66E+01	3.64E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.49E+01	2.36E+01	6.65E+00	4.13E+00	6.93E+00	3.63E+02
CHILD	GROUND	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00
CHILD	CLOUD	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02
CHILD	VEG. ING	5.84E+00	2.92E+01	2.31E+01	2.31E+01	2.06E+01	0.00E+00
CHILD	MEAT ING	1.61E-01	8.04E-01	7.30E-01	7.30E-01	5.90E-01	0.00E+00
CHILD	MILK ING	4.18E-01	2.61E+00	9.88E-01	9.88E-01	1.46E+00	0.00E+00
CHILD	TOTALS	3.24E+01	5.72E+01	3.26E+01	3.01E+01	3.07E+01	3.64E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.39E+01	3.43E+01	3.38E+00	1.86E+00	3.52E+00	3.63E+02
TEENAGE	GROUND	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00
TEENAGE	CLOUD	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02
TEENAGE	VEG. ING	9.37E+00	1.57E+02	2.06E+01	2.06E+01	2.12E+01	0.00E+00
TEENAGE	MEAT ING	2.53E-01	4.19E+00	6.39E-01	6.39E-01	5.89E-01	0.00E+00

TEENAGE	MILK ING	5.47E-01	1.17E+01	6.35E-01	6.35E-01	1.12E+00	0.00E+00
TEENAGE	TOTALS	3.52E+01	2.09E+02	2.64E+01	2.49E+01	2.75E+01	3.64E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.35E+01	2.46E+01	2.75E+00	1.42E+00	2.50E+00	3.63E+02
ADULT	GROUND	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.03E+00
ADULT	CLOUD	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02	5.89E-02
ADULT	VEG. ING	5.25E+00	6.46E+01	1.35E+01	1.35E+01	1.32E+01	0.00E+00
ADULT	MEAT ING	1.83E-01	2.26E+00	5.27E-01	5.27E-01	4.71E-01	0.00E+00
ADULT	MILK ING	1.03E-01	1.55E+00	1.57E-01	1.57E-01	2.51E-01	0.00E+00
ADULT	TOTALS	3.01E+01	9.41E+01	1.80E+01	1.67E+01	1.75E+01	3.64E+02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.44E+00	8.13E+00	2.39E+00	8.29E-01	6.42E+00	0.00E+00
INFANT	GROUND	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
INFANT	CLOUD	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.81E-01	1.14E+00	1.88E-01	1.88E-01	1.05E+00	0.00E+00
INFANT	TOTALS	2.83E+00	9.27E+00	2.58E+00	1.02E+00	7.48E+00	3.61E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.96E-01	3.07E+00	1.01E+00	3.14E-01	1.67E+00	0.00E+00
CHILD	GROUND	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
CHILD	CLOUD	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07
CHILD	VEG. ING	3.10E-01	1.53E+00	9.77E-01	9.77E-01	1.24E+00	0.00E+00
CHILD	MEAT ING	7.75E-03	3.83E-02	3.08E-02	3.08E-02	3.05E-02	0.00E+00
CHILD	MILK ING	3.05E-02	1.70E-01	4.21E-02	4.21E-02	1.37E-01	0.00E+00
CHILD	TOTALS	8.48E-01	4.81E+00	2.06E+00	1.37E+00	3.08E+00	3.61E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.23E-01	5.72E+00	5.11E-01	1.41E-01	8.37E-01	0.00E+00
TEENAGE	GROUND	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
TEENAGE	CLOUD	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07
TEENAGE	VEG. ING	4.77E-01	8.49E+00	8.73E-01	8.73E-01	1.29E+00	0.00E+00

TEENAGE	MEAT ING	1.18E-02	2.03E-01	2.70E-02	2.70E-02	3.07E-02	0.00E+00
TEENAGE	MILK ING	3.49E-02	7.59E-01	2.71E-02	2.71E-02	1.04E-01	0.00E+00
TEENAGE	TOTALS	8.51E-01	1.52E+01	1.44E+00	1.07E+00	2.27E+00	3.61E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.37E-01	3.20E+00	4.13E-01	1.09E-01	5.98E-01	0.00E+00
ADULT	GROUND	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03	3.61E-03
ADULT	CLOUD	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07
ADULT	VEG. ING	2.58E-01	3.24E+00	5.69E-01	5.69E-01	7.75E-01	0.00E+00
ADULT	MEAT ING	8.38E-03	1.05E-01	2.23E-02	2.23E-02	2.39E-02	0.00E+00
ADULT	MILK ING	6.37E-03	9.42E-02	6.69E-03	6.69E-03	2.27E-02	0.00E+00
ADULT	TOTALS	5.13E-01	6.65E+00	1.01E+00	7.10E-01	1.42E+00	3.61E-03

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.33E+00	8.13E+00	2.39E+00	8.55E-01	6.43E+00	6.48E+01
INFANT	GROUND	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02
INFANT	CLOUD	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.82E-01	1.15E+00	1.89E-01	1.89E-01	1.05E+00	0.00E+00
INFANT	TOTALS	6.88E+00	9.45E+00	2.75E+00	1.21E+00	7.65E+00	6.49E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.38E+00	3.08E+00	1.01E+00	3.26E-01	1.67E+00	6.48E+01
CHILD	GROUND	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02
CHILD	CLOUD	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01
CHILD	VEG. ING	3.11E-01	1.53E+00	9.82E-01	9.82E-01	1.25E+00	0.00E+00
CHILD	MEAT ING	7.77E-03	3.84E-02	3.10E-02	3.10E-02	3.06E-02	0.00E+00
CHILD	MILK ING	3.05E-02	1.70E-01	4.23E-02	4.23E-02	1.37E-01	0.00E+00
CHILD	TOTALS	4.90E+00	4.99E+00	2.24E+00	1.55E+00	3.26E+00	6.49E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.21E+00	5.72E+00	5.12E-01	1.46E-01	8.40E-01	6.48E+01

TEENAGE	GROUND	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02
TEENAGE	CLOUD	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01
TEENAGE	VEG. ING	4.78E-01	8.51E+00	8.77E-01	8.77E-01	1.29E+00	0.00E+00
TEENAGE	MEAT ING	1.19E-02	2.04E-01	2.71E-02	2.71E-02	3.08E-02	0.00E+00
TEENAGE	MILK ING	3.49E-02	7.60E-01	2.72E-02	2.72E-02	1.04E-01	0.00E+00
TEENAGE	TOTALS	4.91E+00	1.54E+01	1.61E+00	1.25E+00	2.44E+00	6.49E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.12E+00	3.21E+00	4.13E-01	1.13E-01	6.00E-01	6.48E+01
ADULT	GROUND	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02	5.07E-02
ADULT	CLOUD	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.19E-01
ADULT	VEG. ING	2.59E-01	3.25E+00	5.71E-01	5.71E-01	7.77E-01	0.00E+00
ADULT	MEAT ING	8.41E-03	1.05E-01	2.24E-02	2.24E-02	2.40E-02	0.00E+00
ADULT	MILK ING	6.38E-03	9.43E-02	6.72E-03	6.72E-03	2.27E-02	0.00E+00
ADULT	TOTALS	4.57E+00	6.83E+00	1.18E+00	8.84E-01	1.59E+00	6.49E+01

0Program execution time = 0.94 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: AZTP2ICR.MIL 02/11/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -8.3997E+02 -4.6997E+02 -3.2003E+02 -4.6997E+02 -8.3997E+02 4.9970E+01 -3.2003E+02 4.9970E+01

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -8.3997E+02 YS= -4.6997E+02
NODE NO. = 2 XS= -8.3997E+02 YS= -2.1000E+02
NODE NO. = 3 XS= -8.3997E+02 YS= 4.9970E+01
NODE NO. = 4 XS= -5.8000E+02 YS= -4.6997E+02
NODE NO. = 5 XS= -5.8000E+02 YS= -2.1000E+02
NODE NO. = 6 XS= -5.8000E+02 YS= 4.9970E+01
NODE NO. = 7 XS= -3.2003E+02 YS= -4.6997E+02
NODE NO. = 8 XS= -3.2003E+02 YS= -2.1000E+02
NODE NO. = 9 XS= -3.2003E+02 YS= 4.9970E+01

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: AZTP2ICR.MIL 02/11/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.58	-0.21	-7.00	0.2703	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E+01	5001	3	0.00E+00	Tailings Cell 2 Cov

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.07E+02	1.78E+03	1.78E+03	1.78E+03
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.475E+00	1.322E+00	5.269E-01	2.395E-01	2.296E-07	4.926E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.626E-01	7.253E-01	3.791E-01	2.248E-01	3.717E-07	3.507E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.653E-01	4.554E-01	2.846E-01	1.971E-01	4.806E-07	2.647E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.231E-01	3.199E-01	2.229E-01	1.685E-01	5.587E-07	2.088E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.566E-01	1.564E-01	1.281E-01	1.080E-01	6.739E-07	1.213E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.033E-02	6.036E-02	5.633E-02	5.179E-02	7.061E-07	5.409E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.021E-02	3.023E-02	2.960E-02	2.861E-02	6.701E-07	2.879E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.918E-02	1.919E-02	1.908E-02	1.881E-02	6.319E-07	1.866E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.363E-02	1.364E-02	1.364E-02	1.356E-02	5.987E-07	1.338E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.043E-02	1.044E-02	1.046E-02	1.044E-02	5.701E-07	1.027E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.265E-03	8.269E-03	8.298E-03	8.304E-03	5.454E-07	8.156E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.759E-03	6.763E-03	6.791E-03	6.804E-03	5.237E-07	6.678E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.047E+00	1.047E+00	1.047E+00	4.158E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.745E-01	5.745E-01	5.745E-01	6.732E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.607E-01	3.607E-01	3.607E-01	8.703E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.533E-01	2.533E-01	2.533E-01	1.012E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.239E-01	1.239E-01	1.239E-01	1.220E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.781E-02	4.781E-02	4.781E-02	1.279E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.394E-02	2.394E-02	2.394E-02	1.214E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.520E-02	1.520E-02	1.520E-02	1.144E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.080E-02	1.080E-02	1.080E-02	1.084E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.268E-03	8.268E-03	8.268E-03	1.032E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.550E-03	6.550E-03	6.550E-03	9.878E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.357E-03	5.357E-03	5.357E-03	9.485E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.888E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.115E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.442E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.676E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.022E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.118E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.010E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.896E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.796E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.710E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.636E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.571E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.840E-01	7.391E-01	3.592E-01	1.849E-01	2.153E-07	3.272E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.208E-01	4.099E-01	2.470E-01	1.597E-01	3.036E-07	2.270E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.714E-01	2.681E-01	1.836E-01	1.341E-01	3.665E-07	1.707E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.946E-01	1.934E-01	1.435E-01	1.123E-01	4.092E-07	1.346E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.835E-02	9.829E-02	8.276E-02	7.078E-02	4.672E-07	7.848E-07
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.889E-02	3.891E-02	3.655E-02	3.384E-02	4.721E-07	3.516E-07

25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.939E-02	1.940E-02	1.903E-02	1.846E-02	4.426E-07	1.853E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E-02	1.224E-02	1.217E-02	1.202E-02	4.147E-07	1.191E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.643E-03	8.648E-03	8.647E-03	8.602E-03	3.910E-07	8.483E-08
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.576E-03	6.580E-03	6.594E-03	6.583E-03	3.710E-07	6.476E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.183E-03	5.185E-03	5.203E-03	5.207E-03	3.539E-07	5.114E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.218E-03	4.220E-03	4.237E-03	4.246E-03	3.389E-07	4.167E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.854E-01	5.854E-01	5.854E-01	3.899E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.247E-01	3.247E-01	3.247E-01	5.498E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.123E-01	2.123E-01	2.123E-01	6.637E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.532E-01	1.532E-01	1.532E-01	7.411E-02
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.785E-02	7.785E-02	7.785E-02	8.461E-02
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.082E-02	3.082E-02	3.082E-02	8.550E-02
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.537E-02	1.537E-02	1.537E-02	8.016E-02
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.694E-03	9.694E-03	9.694E-03	7.510E-02
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.849E-03	6.849E-03	6.849E-03	7.082E-02
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.212E-03	5.212E-03	5.212E-03	6.719E-02
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.107E-03	4.107E-03	4.107E-03	6.409E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.343E-03	3.343E-03	3.343E-03	6.138E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.460E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.108E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.099E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.228E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.402E-09
15.0	0.000E+00	0.000E+00	0.000E+00	1.416E-09
25.0	0.000E+00	0.000E+00	0.000E+00	1.328E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.244E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.173E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.113E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.062E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.017E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.574E+00	4.072E+00	1.422E+00	5.356E-01	3.815E-07	1.340E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.444E+00	2.334E+00	1.104E+00	5.785E-01	7.719E-07	1.016E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.519E+00	1.495E+00	8.677E-01	5.465E-01	1.109E-06	7.978E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.063E+00	1.057E+00	6.960E-01	4.854E-01	1.361E-06	6.428E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.152E-01	5.152E-01	4.116E-01	3.283E-01	1.747E-06	3.842E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.952E-01	1.953E-01	1.821E-01	1.648E-01	1.890E-06	1.739E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.485E-02	9.490E-02	9.343E-02	9.051E-02	1.807E-06	9.091E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.900E-02	5.903E-02	5.892E-02	5.836E-02	1.701E-06	5.772E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.129E-02	4.131E-02	4.141E-02	4.134E-02	1.605E-06	4.067E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.122E-02	3.124E-02	3.136E-02	3.139E-02	1.522E-06	3.082E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.447E-02	2.448E-02	2.459E-02	2.465E-02	1.449E-06	2.419E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.983E-02	1.984E-02	1.993E-02	1.999E-02	1.386E-06	1.961E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.225E+00	3.225E+00	3.225E+00	6.909E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.848E+00	1.848E+00	1.848E+00	1.398E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.184E+00	1.184E+00	1.184E+00	2.008E-01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.372E-01	8.372E-01	8.372E-01	2.464E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.080E-01	4.080E-01	4.080E-01	3.164E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.547E-01	1.547E-01	1.547E-01	3.423E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.517E-02	7.517E-02	7.517E-02	3.273E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.675E-02	4.675E-02	4.675E-02	3.081E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.272E-02	3.272E-02	3.272E-02	2.907E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.474E-02	2.474E-02	2.474E-02	2.756E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.939E-02	1.939E-02	1.939E-02	2.625E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.571E-02	1.571E-02	1.571E-02	2.509E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.145E-09
2.5	0.000E+00	0.000E+00	0.000E+00	2.316E-09
3.5	0.000E+00	0.000E+00	0.000E+00	3.327E-09

4.5	0.000E+00	0.000E+00	0.000E+00	4.082E-09
7.5	0.000E+00	0.000E+00	0.000E+00	5.242E-09
15.0	0.000E+00	0.000E+00	0.000E+00	5.671E-09
25.0	0.000E+00	0.000E+00	0.000E+00	5.421E-09
35.0	0.000E+00	0.000E+00	0.000E+00	5.104E-09
45.0	0.000E+00	0.000E+00	0.000E+00	4.816E-09
55.0	0.000E+00	0.000E+00	0.000E+00	4.565E-09
65.0	0.000E+00	0.000E+00	0.000E+00	4.348E-09
75.0	0.000E+00	0.000E+00	0.000E+00	4.157E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.004E+01	8.722E+00	2.534E+00	7.988E-01	4.558E-07	2.481E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.301E+00	4.118E+00	1.803E+00	8.676E-01	1.001E-06	1.662E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.460E+00	2.424E+00	1.334E+00	7.918E-01	1.443E-06	1.221E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.635E+00	1.626E+00	1.034E+00	6.902E-01	1.766E-06	9.494E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.381E-01	7.381E-01	5.826E-01	4.540E-01	2.244E-06	5.408E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.660E-01	2.661E-01	2.476E-01	2.227E-01	2.384E-06	2.360E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.255E-01	1.255E-01	1.237E-01	1.199E-01	2.256E-06	1.203E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.697E-02	7.701E-02	7.691E-02	7.625E-02	2.111E-06	7.537E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.342E-02	5.345E-02	5.359E-02	5.353E-02	1.982E-06	5.264E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.015E-02	4.018E-02	4.033E-02	4.039E-02	1.871E-06	3.965E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.133E-02	3.135E-02	3.149E-02	3.157E-02	1.777E-06	3.097E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.530E-02	2.532E-02	2.544E-02	2.552E-02	1.694E-06	2.502E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.908E+00	6.908E+00	6.908E+00	8.255E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.262E+00	3.262E+00	3.262E+00	1.812E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.920E+00	1.920E+00	1.920E+00	2.614E-01

4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.288E+00	1.288E+00	1.288E+00	3.199E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.846E-01	5.846E-01	5.846E-01	4.064E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.108E-01	2.108E-01	2.108E-01	4.317E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.942E-02	9.942E-02	9.942E-02	4.086E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.100E-02	6.100E-02	6.100E-02	3.822E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.233E-02	4.233E-02	4.233E-02	3.589E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.182E-02	3.182E-02	3.182E-02	3.389E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.483E-02	2.483E-02	2.483E-02	3.218E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.005E-02	2.005E-02	2.005E-02	3.069E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.367E-09
2.5	0.000E+00	0.000E+00	0.000E+00	3.002E-09
3.5	0.000E+00	0.000E+00	0.000E+00	4.330E-09
4.5	0.000E+00	0.000E+00	0.000E+00	5.299E-09
7.5	0.000E+00	0.000E+00	0.000E+00	6.732E-09
15.0	0.000E+00	0.000E+00	0.000E+00	7.151E-09
25.0	0.000E+00	0.000E+00	0.000E+00	6.769E-09
35.0	0.000E+00	0.000E+00	0.000E+00	6.332E-09
45.0	0.000E+00	0.000E+00	0.000E+00	5.946E-09
55.0	0.000E+00	0.000E+00	0.000E+00	5.614E-09
65.0	0.000E+00	0.000E+00	0.000E+00	5.331E-09
75.0	0.000E+00	0.000E+00	0.000E+00	5.083E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.658E+00	3.408E+00	1.102E+00	3.140E-01	1.447E-07	1.027E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.861E-01	9.723E-01	5.754E-01	3.042E-01	3.278E-07	5.054E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.195E-01	5.171E-01	3.795E-01	2.610E-01	4.821E-07	3.430E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.301E-01	3.297E-01	2.726E-01	2.166E-01	5.923E-07	2.530E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.438E-01	1.439E-01	1.345E-01	1.245E-01	7.484E-07	1.295E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.228E-02	5.231E-02	5.155E-02	5.034E-02	7.734E-07	5.030E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.501E-02	2.503E-02	2.504E-02	2.492E-02	7.168E-07	2.457E-07

35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.552E-02	1.553E-02	1.558E-02	1.560E-02	6.651E-07	1.532E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.085E-02	1.086E-02	1.091E-02	1.094E-02	6.233E-07	1.073E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.195E-03	8.199E-03	8.238E-03	8.264E-03	5.888E-07	8.104E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.417E-03	6.420E-03	6.451E-03	6.473E-03	5.597E-07	6.347E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.192E-03	5.195E-03	5.220E-03	5.238E-03	5.346E-07	5.135E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.699E+00	2.699E+00	2.699E+00	2.621E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.701E-01	7.701E-01	7.701E-01	5.937E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.096E-01	4.096E-01	4.096E-01	8.731E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.611E-01	2.611E-01	2.611E-01	1.073E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.140E-01	1.140E-01	1.140E-01	1.355E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.143E-02	4.143E-02	4.143E-02	1.401E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.982E-02	1.982E-02	1.982E-02	1.298E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.230E-02	1.230E-02	1.230E-02	1.205E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.602E-03	8.602E-03	8.602E-03	1.129E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.494E-03	6.494E-03	6.494E-03	1.066E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.085E-03	5.085E-03	5.085E-03	1.014E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.114E-03	4.114E-03	4.114E-03	9.681E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	4.342E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.834E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.446E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.777E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.245E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.320E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.150E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.995E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.870E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.766E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.679E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.604E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

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                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION      1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.185E-04 0.000E+00 0.000E+00 6.937E-05 0.000E+00 0.000E+00 0.000E+00
1.525E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.820E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.207E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.723E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.208E-07 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.454E-05 5.407E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.317E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.522E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.945E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.935E-05 0.000E+00
1.020E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.409E-07 0.000E+00 0.000E+00
5.686E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 4.263E-04 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  18
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
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DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.616E-04	0.000E+00	0.000E+00	5.623E-04	0.000E+00	0.000E+00	0.000E+00	1.234E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.095E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.787E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.012E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.600E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.989E-04	4.381E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.692E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.231E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.010E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.377E-04	0.000E+00	8.253E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.572E-06	0.000E+00	0.000E+00	4.600E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.455E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.373E-05	0.000E+00	0.000E+00	8.592E-06	0.000E+00	0.000E+00	0.000E+00	2.069E-07
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.854E-07	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.879E-06	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.083E-06
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.978E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.037E-06	6.851E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.837E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.058E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.955E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.822E-06	0.000E+00	1.394E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.624E-08	0.000E+00	0.000E+00	7.818E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.264E-05 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.208E-01 0.000E+00 0.000E+00 4.149E-02 0.000E+00 0.000E+00 0.000E+00
3.887E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.557E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.690E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.909E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.640E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.391E-02 2.280E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.674E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.718E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.705E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.122E-03 0.000E+00
1.962E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.331E-04 0.000E+00 0.000E+00
9.572E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 8.246E-01 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.938E-05 0.000E+00 0.000E+00 5.022E-06 0.000E+00 0.000E+00 0.000E+00
5.110E-08
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.941E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.603E-07 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.068E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.007E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.690E-06 2.834E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.911E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.917E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.560E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.056E-06 0.000E+00
2.695E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.712E-08 0.000E+00 0.000E+00
1.348E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.521E-05 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.933E-03 0.000E+00 0.000E+00 3.488E-04 0.000E+00 0.000E+00 0.000E+00
3.417E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.346E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.853E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
6.972E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.418E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.194E-04 1.987E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.646E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.283E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.954E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.166E-05 0.000E+00
1.733E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.173E-06 0.000E+00 0.000E+00
8.456E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.059E-03 PERSON-REM/YR
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                              TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.061E-07 2.863E-07 5.180E-07 7.745E-07 7.787E-06 3.262E-05 5.162E-05 6.811E-05 8.298E-05 9.659E-05 1.092E-04
1.210E-04
     NNE     1.030E-07 2.546E-07 4.410E-07 6.428E-07 6.251E-06 2.574E-05 4.072E-05 5.384E-05 6.573E-05 7.663E-05 8.678E-05
9.623E-05
     NE      1.011E-07 2.405E-07 4.088E-07 5.895E-07 5.645E-06 2.293E-05 3.595E-05 4.726E-05 5.746E-05 6.678E-05 7.543E-05
8.347E-05
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     ENE     9.882E-08 2.310E-07 3.896E-07 5.593E-07 5.324E-06 2.153E-05 3.363E-05 4.408E-05 5.346E-05 6.203E-05 6.995E-05
7.730E-05
     E       9.949E-08 2.339E-07 3.950E-07 5.672E-07 5.398E-06 2.181E-05 3.410E-05 4.469E-05 5.420E-05 6.286E-05 7.087E-05
7.830E-05
     ESE     1.087E-07 2.724E-07 4.745E-07 6.937E-07 6.753E-06 2.755E-05 4.300E-05 5.619E-05 6.796E-05 7.863E-05 8.845E-05
9.754E-05
     SE      1.319E-07 3.754E-07 6.949E-07 1.052E-06 1.075E-05 4.548E-05 7.195E-05 9.460E-05 1.148E-04 1.331E-04 1.499E-04
1.655E-04
     SSE     1.649E-07 4.798E-07 8.877E-07 1.345E-06 1.374E-05 5.798E-05 9.170E-05 1.206E-04 1.464E-04 1.698E-04 1.913E-04
2.112E-04
     S       1.763E-07 5.946E-07 1.195E-06 1.886E-06 2.019E-05 8.734E-05 1.392E-04 1.834E-04 2.225E-04 2.578E-04 2.902E-04
3.201E-04
     SSW     2.106E-07 7.709E-07 1.556E-06 2.449E-06 2.593E-05 1.101E-04 1.738E-04 2.275E-04 2.747E-04 3.171E-04 3.559E-04
3.914E-04
     SW      2.006E-07 7.275E-07 1.453E-06 2.261E-06 2.333E-05 9.516E-05 1.463E-04 1.892E-04 2.272E-04 2.614E-04 2.928E-04
3.218E-04
     WSW     9.982E-08 3.598E-07 7.225E-07 1.125E-06 1.160E-05 4.716E-05 7.245E-05 9.383E-05 1.129E-04 1.302E-04 1.462E-04
1.610E-04
     W       6.687E-08 2.525E-07 5.196E-07 8.209E-07 8.647E-06 3.574E-05 5.522E-05 7.169E-05 8.640E-05 9.976E-05 1.121E-04
1.235E-04
     WNW     7.737E-08 2.587E-07 5.140E-07 8.021E-07 8.354E-06 3.447E-05 5.333E-05 6.930E-05 8.357E-05 9.653E-05 1.085E-04
1.196E-04
     NW      9.508E-08 2.785E-07 5.218E-07 7.937E-07 8.072E-06 3.334E-05 5.202E-05 6.806E-05 8.247E-05 9.563E-05 1.078E-04
1.191E-04
     NNW     1.099E-07 3.035E-07 5.468E-07 8.154E-07 8.121E-06 3.339E-05 5.218E-05 6.841E-05 8.303E-05 9.639E-05 1.088E-04
1.203E-04

                TOTAL DOSE COMMITMENT IS 1.248E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.158E-06 3.125E-06 5.654E-06 8.453E-06 8.499E-05 3.561E-04 5.634E-04 7.434E-04 9.057E-04 1.054E-03 1.192E-03
1.321E-03
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NNE	1.124E-06	2.779E-06	4.813E-06	7.016E-06	6.823E-05	2.809E-04	4.444E-04	5.876E-04	7.174E-04	8.364E-04	9.471E-04	1.050E-03
NE	1.103E-06	2.624E-06	4.462E-06	6.434E-06	6.161E-05	2.503E-04	3.924E-04	5.158E-04	6.271E-04	7.289E-04	8.233E-04	9.110E-04
ENE	1.079E-06	2.521E-06	4.252E-06	6.104E-06	5.812E-05	2.350E-04	3.671E-04	4.811E-04	5.836E-04	6.770E-04	7.635E-04	8.437E-04
E	1.086E-06	2.553E-06	4.311E-06	6.191E-06	5.892E-05	2.381E-04	3.722E-04	4.878E-04	5.916E-04	6.861E-04	7.735E-04	8.546E-04
ESE	1.187E-06	2.973E-06	5.179E-06	7.571E-06	7.371E-05	3.007E-04	4.693E-04	6.133E-04	7.417E-04	8.582E-04	9.654E-04	1.065E-03
SE	1.440E-06	4.098E-06	7.585E-06	1.148E-05	1.173E-04	4.964E-04	7.853E-04	1.033E-03	1.253E-03	1.453E-03	1.636E-03	1.806E-03
SSE	1.800E-06	5.237E-06	9.689E-06	1.468E-05	1.499E-04	6.328E-04	1.001E-03	1.317E-03	1.598E-03	1.853E-03	2.088E-03	2.305E-03
S	1.924E-06	6.490E-06	1.305E-05	2.058E-05	2.204E-04	9.533E-04	1.519E-03	2.001E-03	2.429E-03	2.814E-03	3.168E-03	3.494E-03
SSW	2.299E-06	8.414E-06	1.698E-05	2.672E-05	2.830E-04	1.202E-03	1.897E-03	2.483E-03	2.999E-03	3.461E-03	3.884E-03	4.273E-03
SW	2.189E-06	7.941E-06	1.586E-05	2.468E-05	2.547E-04	1.039E-03	1.597E-03	2.065E-03	2.480E-03	2.853E-03	3.196E-03	3.512E-03
WSW	1.090E-06	3.928E-06	7.886E-06	1.228E-05	1.266E-04	5.147E-04	7.907E-04	1.024E-03	1.232E-03	1.421E-03	1.596E-03	1.757E-03
W	7.298E-07	2.756E-06	5.671E-06	8.960E-06	9.438E-05	3.900E-04	6.027E-04	7.825E-04	9.430E-04	1.089E-03	1.223E-03	1.348E-03
WNW	8.444E-07	2.824E-06	5.611E-06	8.755E-06	9.119E-05	3.763E-04	5.820E-04	7.564E-04	9.121E-04	1.054E-03	1.184E-03	1.305E-03
NW	1.038E-06	3.040E-06	5.696E-06	8.663E-06	8.810E-05	3.639E-04	5.678E-04	7.428E-04	9.001E-04	1.044E-03	1.177E-03	1.300E-03
NNW	1.200E-06	3.312E-06	5.968E-06	8.900E-06	8.863E-05	3.645E-04	5.696E-04	7.467E-04	9.062E-04	1.052E-03	1.188E-03	1.313E-03

TOTAL DOSE COMMITMENT IS 1.362E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       5.832E-09 1.574E-08 2.848E-08 4.258E-08 4.281E-07 1.794E-06 2.838E-06 3.745E-06 4.562E-06 5.311E-06 6.006E-06
6.652E-06
     NNE     5.663E-09 1.400E-08 2.424E-08 3.534E-08 3.437E-07 1.415E-06 2.239E-06 2.960E-06 3.614E-06 4.213E-06 4.771E-06
5.291E-06
     NE      5.557E-09 1.322E-08 2.248E-08 3.241E-08 3.104E-07 1.261E-06 1.977E-06 2.598E-06 3.159E-06 3.672E-06 4.147E-06
4.589E-06
     ENE     5.433E-09 1.270E-08 2.142E-08 3.075E-08 2.927E-07 1.184E-06 1.849E-06 2.423E-06 2.939E-06 3.410E-06 3.846E-06
4.250E-06
     E       5.470E-09 1.286E-08 2.172E-08 3.119E-08 2.968E-07 1.199E-06 1.875E-06 2.457E-06 2.980E-06 3.456E-06 3.896E-06
4.305E-06
     ESE     5.979E-09 1.498E-08 2.609E-08 3.814E-08 3.713E-07 1.515E-06 2.364E-06 3.089E-06 3.736E-06 4.323E-06 4.863E-06
5.362E-06
     SE      7.254E-09 2.064E-08 3.821E-08 5.784E-08 5.911E-07 2.501E-06 3.956E-06 5.201E-06 6.311E-06 7.317E-06 8.242E-06
9.097E-06
     SSE     9.069E-09 2.638E-08 4.880E-08 7.393E-08 7.553E-07 3.188E-06 5.042E-06 6.632E-06 8.050E-06 9.335E-06 1.052E-05
1.161E-05
     S       9.692E-09 3.269E-08 6.571E-08 1.037E-07 1.110E-06 4.802E-06 7.654E-06 1.008E-05 1.223E-05 1.418E-05 1.596E-05
1.760E-05
     SSW     1.158E-08 4.238E-08 8.552E-08 1.346E-07 1.425E-06 6.055E-06 9.555E-06 1.251E-05 1.510E-05 1.743E-05 1.956E-05
2.152E-05
     SW      1.103E-08 4.000E-08 7.989E-08 1.243E-07 1.283E-06 5.232E-06 8.045E-06 1.040E-05 1.249E-05 1.437E-05 1.610E-05
1.769E-05
     WSW     5.488E-09 1.978E-08 3.972E-08 6.184E-08 6.378E-07 2.593E-06 3.983E-06 5.159E-06 6.207E-06 7.160E-06 8.038E-06
8.851E-06
     W       3.676E-09 1.388E-08 2.857E-08 4.513E-08 4.754E-07 1.965E-06 3.036E-06 3.942E-06 4.750E-06 5.485E-06 6.162E-06
6.790E-06
     WNW     4.254E-09 1.422E-08 2.826E-08 4.410E-08 4.593E-07 1.895E-06 2.932E-06 3.810E-06 4.595E-06 5.307E-06 5.965E-06
6.574E-06
     NW      5.227E-09 1.531E-08 2.869E-08 4.364E-08 4.438E-07 1.833E-06 2.860E-06 3.742E-06 4.534E-06 5.258E-06 5.928E-06
6.551E-06
     NNW     6.043E-09 1.668E-08 3.006E-08 4.483E-08 4.465E-07 1.836E-06 2.869E-06 3.761E-06 4.565E-06 5.300E-06 5.982E-06
6.616E-06

                TOTAL DOSE COMMITMENT IS 6.862E-04 PERSON-REM/YR

                                        WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                         ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                         FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                         BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                         TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: AZTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                          DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.599E-08	1.781E-07	3.222E-07	4.818E-07	4.844E-06	2.029E-05	3.211E-05	4.237E-05	5.162E-05	6.009E-05	6.795E-05	7.526E-05
NNE	6.407E-08	1.584E-07	2.743E-07	3.998E-07	3.888E-06	1.601E-05	2.533E-05	3.349E-05	4.088E-05	4.767E-05	5.398E-05	5.986E-05
NE	6.288E-08	1.496E-07	2.543E-07	3.667E-07	3.511E-06	1.426E-05	2.236E-05	2.940E-05	3.574E-05	4.154E-05	4.692E-05	5.192E-05
ENE	6.147E-08	1.437E-07	2.423E-07	3.479E-07	3.312E-06	1.339E-05	2.092E-05	2.742E-05	3.326E-05	3.858E-05	4.351E-05	4.809E-05
E	6.188E-08	1.455E-07	2.457E-07	3.528E-07	3.358E-06	1.357E-05	2.121E-05	2.780E-05	3.372E-05	3.910E-05	4.408E-05	4.870E-05
ESE	6.764E-08	1.695E-07	2.952E-07	4.315E-07	4.201E-06	1.714E-05	2.675E-05	3.495E-05	4.227E-05	4.891E-05	5.502E-05	6.067E-05
SE	8.207E-08	2.335E-07	4.323E-07	6.544E-07	6.688E-06	2.829E-05	4.476E-05	5.884E-05	7.140E-05	8.278E-05	9.325E-05	1.029E-04
SSE	1.026E-07	2.985E-07	5.522E-07	8.365E-07	8.545E-06	3.607E-05	5.704E-05	7.503E-05	9.108E-05	1.056E-04	1.190E-04	1.314E-04
S	1.097E-07	3.699E-07	7.435E-07	1.173E-06	1.256E-05	5.433E-05	8.659E-05	1.141E-04	1.384E-04	1.604E-04	1.805E-04	1.991E-04
SSW	1.310E-07	4.795E-07	9.676E-07	1.523E-06	1.613E-05	6.851E-05	1.081E-04	1.415E-04	1.709E-04	1.973E-04	2.214E-04	2.435E-04
SW	1.248E-07	4.526E-07	9.039E-07	1.406E-06	1.451E-05	5.919E-05	9.102E-05	1.177E-04	1.413E-04	1.626E-04	1.822E-04	2.002E-04
WSW	6.209E-08	2.238E-07	4.494E-07	6.997E-07	7.216E-06	2.934E-05	4.507E-05	5.836E-05	7.023E-05	8.101E-05	9.095E-05	1.001E-04
W	4.159E-08	1.571E-07	3.232E-07	5.107E-07	5.379E-06	2.223E-05	3.435E-05	4.460E-05	5.374E-05	6.206E-05	6.972E-05	7.682E-05
WNW	4.813E-08	1.609E-07	3.198E-07	4.990E-07	5.197E-06	2.144E-05	3.317E-05	4.311E-05	5.198E-05	6.005E-05	6.749E-05	7.437E-05
NW	5.914E-08	1.733E-07	3.246E-07	4.937E-07	5.021E-06	2.074E-05	3.236E-05	4.233E-05	5.130E-05	5.949E-05	6.707E-05	7.411E-05
NNW	6.837E-08	1.888E-07	3.401E-07	5.072E-07	5.051E-06	2.077E-05	3.246E-05	4.255E-05	5.165E-05	5.996E-05	6.768E-05	7.486E-05

TOTAL DOSE COMMITMENT IS 7.764E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.249E-09	8.769E-09	1.586E-08	2.372E-08	2.385E-07	9.990E-07	1.581E-06	2.086E-06	2.541E-06	2.958E-06	3.345E-06	3.705E-06
NNE	3.154E-09	7.798E-09	1.350E-08	1.968E-08	1.914E-07	7.882E-07	1.247E-06	1.649E-06	2.013E-06	2.347E-06	2.657E-06	2.947E-06
NE	3.095E-09	7.363E-09	1.252E-08	1.805E-08	1.729E-07	7.022E-07	1.101E-06	1.447E-06	1.760E-06	2.045E-06	2.310E-06	2.556E-06
ENE	3.026E-09	7.074E-09	1.193E-08	1.713E-08	1.631E-07	6.594E-07	1.030E-06	1.350E-06	1.637E-06	1.899E-06	2.142E-06	2.367E-06
E	3.047E-09	7.162E-09	1.210E-08	1.737E-08	1.653E-07	6.680E-07	1.044E-06	1.369E-06	1.660E-06	1.925E-06	2.170E-06	2.398E-06
ESE	3.330E-09	8.342E-09	1.453E-08	2.124E-08	2.068E-07	8.438E-07	1.317E-06	1.721E-06	2.081E-06	2.408E-06	2.709E-06	2.987E-06
SE	4.040E-09	1.150E-08	2.128E-08	3.221E-08	3.292E-07	1.393E-06	2.203E-06	2.897E-06	3.515E-06	4.075E-06	4.591E-06	5.067E-06
SSE	5.051E-09	1.469E-08	2.718E-08	4.118E-08	4.207E-07	1.776E-06	2.808E-06	3.694E-06	4.484E-06	5.199E-06	5.858E-06	6.467E-06
S	5.398E-09	1.821E-08	3.660E-08	5.775E-08	6.182E-07	2.675E-06	4.263E-06	5.616E-06	6.815E-06	7.896E-06	8.888E-06	9.803E-06
SSW	6.450E-09	2.361E-08	4.764E-08	7.498E-08	7.940E-07	3.373E-06	5.322E-06	6.966E-06	8.413E-06	9.711E-06	1.090E-05	1.199E-05
SW	6.142E-09	2.228E-08	4.450E-08	6.924E-08	7.145E-07	2.914E-06	4.481E-06	5.795E-06	6.957E-06	8.006E-06	8.968E-06	9.855E-06
WSW	3.057E-09	1.102E-08	2.213E-08	3.445E-08	3.553E-07	1.444E-06	2.219E-06	2.873E-06	3.457E-06	3.988E-06	4.477E-06	4.930E-06
W	2.048E-09	7.733E-09	1.591E-08	2.514E-08	2.648E-07	1.094E-06	1.691E-06	2.195E-06	2.646E-06	3.055E-06	3.432E-06	3.782E-06
WNW	2.369E-09	7.922E-09	1.574E-08	2.456E-08	2.558E-07	1.056E-06	1.633E-06	2.122E-06	2.559E-06	2.956E-06	3.322E-06	3.661E-06
NW	2.912E-09	8.530E-09	1.598E-08	2.431E-08	2.472E-07	1.021E-06	1.593E-06	2.084E-06	2.526E-06	2.928E-06	3.302E-06	3.649E-06
NNW	3.366E-09	9.293E-09	1.674E-08	2.497E-08	2.487E-07	1.023E-06	1.598E-06	2.095E-06	2.543E-06	2.952E-06	3.332E-06	3.685E-06

TOTAL DOSE COMMITMENT IS 3.822E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: AZTP2ICR.MIL 02/11/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.068E-08	8.282E-08	1.498E-07	2.240E-07	2.252E-06	9.435E-06	1.493E-05	1.970E-05	2.400E-05	2.794E-05	3.159E-05	3.499E-05
NNE	2.979E-08	7.365E-08	1.275E-07	1.859E-07	1.808E-06	7.444E-06	1.178E-05	1.557E-05	1.901E-05	2.216E-05	2.510E-05	2.783E-05
NE	2.923E-08	6.955E-08	1.182E-07	1.705E-07	1.633E-06	6.632E-06	1.040E-05	1.367E-05	1.662E-05	1.931E-05	2.182E-05	2.414E-05
ENE	2.858E-08	6.681E-08	1.127E-07	1.618E-07	1.540E-06	6.228E-06	9.727E-06	1.275E-05	1.546E-05	1.794E-05	2.023E-05	2.236E-05
E	2.877E-08	6.764E-08	1.142E-07	1.641E-07	1.561E-06	6.309E-06	9.862E-06	1.293E-05	1.568E-05	1.818E-05	2.050E-05	2.265E-05
ESE	3.145E-08	7.879E-08	1.372E-07	2.006E-07	1.953E-06	7.969E-06	1.244E-05	1.625E-05	1.965E-05	2.274E-05	2.558E-05	2.821E-05
SE	3.816E-08	1.086E-07	2.010E-07	3.043E-07	3.109E-06	1.316E-05	2.081E-05	2.736E-05	3.320E-05	3.849E-05	4.336E-05	4.786E-05
SSE	4.771E-08	1.388E-07	2.567E-07	3.889E-07	3.973E-06	1.677E-05	2.652E-05	3.489E-05	4.235E-05	4.911E-05	5.533E-05	6.108E-05
S	5.098E-08	1.720E-07	3.457E-07	5.454E-07	5.839E-06	2.526E-05	4.026E-05	5.304E-05	6.436E-05	7.457E-05	8.395E-05	9.258E-05
SSW	6.091E-08	2.230E-07	4.499E-07	7.082E-07	7.499E-06	3.185E-05	5.027E-05	6.579E-05	7.946E-05	9.172E-05	1.029E-04	1.132E-04
SW	5.801E-08	2.104E-07	4.203E-07	6.539E-07	6.748E-06	2.752E-05	4.232E-05	5.473E-05	6.571E-05	7.561E-05	8.470E-05	9.307E-05
WSW	2.887E-08	1.041E-07	2.090E-07	3.253E-07	3.355E-06	1.364E-05	2.095E-05	2.714E-05	3.265E-05	3.767E-05	4.229E-05	4.656E-05
W	1.934E-08	7.304E-08	1.503E-07	2.374E-07	2.501E-06	1.034E-05	1.597E-05	2.074E-05	2.499E-05	2.885E-05	3.242E-05	3.572E-05
WNW	2.238E-08	7.482E-08	1.487E-07	2.320E-07	2.416E-06	9.971E-06	1.542E-05	2.004E-05	2.417E-05	2.792E-05	3.138E-05	3.458E-05
NW	2.750E-08	8.056E-08	1.509E-07	2.296E-07	2.335E-06	9.644E-06	1.504E-05	1.968E-05	2.385E-05	2.766E-05	3.118E-05	3.446E-05
NNW	3.179E-08	8.777E-08	1.581E-07	2.358E-07	2.349E-06	9.658E-06	1.509E-05	1.979E-05	2.401E-05	2.788E-05	3.147E-05	3.481E-05

TOTAL DOSE COMMITMENT IS 3.610E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.263E-04	3.455E-03	5.264E-05	2.592E-03	1.245E-03	8.246E-01
GROUND	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05
CLOUD	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03
VEG. ING	4.181E-03	4.564E-02	4.181E-03	1.592E-02	1.259E-02	4.181E-03
MEAT ING	4.000E-05	4.526E-04	4.000E-05	1.462E-04	1.169E-04	4.000E-05
MILK ING	1.988E-05	1.878E-04	1.988E-05	7.665E-05	6.134E-05	1.988E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	9.822E-03	5.489E-02	9.448E-03	2.388E-02	1.917E-02	8.340E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.300E-03	9.059E-02	8.300E-03	3.159E-02	2.500E-02	8.300E-03
MEAT ING	6.462E-04	7.311E-03	6.462E-04	2.362E-03	1.889E-03	6.462E-04
MILK ING	3.623E-04	3.422E-03	3.623E-04	1.397E-03	1.118E-03	3.623E-04
RNPLUS50	8.255E-01	1.107E+01	1.812E-01	8.255E-01	8.255E-01	5.235E+00
TOTALS	8.349E-01	1.118E+01	1.905E-01	8.609E-01	8.536E-01	5.244E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.263E-04	3.455E-03	5.264E-05	2.592E-03	1.245E-03	8.246E-01
GROUND	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05
CLOUD	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03
VEG. ING	1.248E-02	1.362E-01	1.248E-02	4.751E-02	3.759E-02	1.248E-02
MEAT ING	6.862E-04	7.764E-03	6.862E-04	2.508E-03	2.006E-03	6.862E-04

MILK ING	3.822E-04	3.610E-03	3.822E-04	1.474E-03	1.179E-03	3.822E-04
RNPLUS50	8.255E-01	1.107E+01	1.812E-01	8.255E-01	8.255E-01	5.235E+00
TOTALS	8.447E-01	1.123E+01	2.000E-01	8.848E-01	8.727E-01	6.078E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	2.668E-01	2.667E-01	2.203E-01	1.833E-01	1.224E-06	8.804E-09	1.667E-12	2.075E-06	2.113E-01	2.113E-01	2.113E-01	2.217E-01
2	7.717E-01	7.192E-01	3.451E-01	1.910E-01	2.773E-07	4.829E-10	2.431E-14	3.203E-06	5.697E-01	5.697E-01	5.697E-01	5.022E-02
3	2.629E-01	2.600E-01	1.758E-01	1.324E-01	4.967E-07	2.019E-09	2.214E-13	1.653E-06	2.059E-01	2.059E-01	2.059E-01	8.995E-02
4	5.742E-01	5.495E-01	2.950E-01	1.846E-01	3.548E-07	7.816E-10	4.848E-14	2.750E-06	4.352E-01	4.352E-01	4.352E-01	6.425E-02
5	9.895E-02	9.892E-02	8.341E-02	7.120E-02	6.160E-07	5.767E-09	1.446E-12	7.903E-07	7.835E-02	7.835E-02	7.835E-02	1.115E-01
6	3.930E+00	3.067E+00	7.801E-01	2.181E-01	1.045E-07	6.333E-11	1.146E-15	7.927E-06	2.429E+00	2.429E+00	2.429E+00	1.892E-02
7	2.870E+00	2.642E+00	1.085E+00	4.816E-01	4.381E-07	4.771E-10	1.500E-14	1.002E-05	2.092E+00	2.092E+00	2.092E+00	7.934E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.02E-02	6.60E-04	6.22E-05	3.43E-03	1.33E-03	3.34E-01
INFANT	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
INFANT	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.82E-05	5.58E-05	1.03E-04	1.03E-04	9.13E-05	0.00E+00
INFANT	TOTALS	2.23E-02	2.81E-03	2.26E-03	5.63E-03	3.52E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.01E-02	5.00E-04	2.90E-05	1.52E-03	6.27E-04	3.34E-01
CHILD	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
CHILD	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
CHILD	VEG. ING	1.11E-04	5.04E-04	5.94E-04	5.94E-04	4.36E-04	0.00E+00
CHILD	MEAT ING	3.56E-06	1.61E-05	1.90E-05	1.90E-05	1.40E-05	0.00E+00
CHILD	MILK ING	4.53E-06	2.05E-05	2.42E-05	2.42E-05	1.78E-05	0.00E+00

CHILD	TOTALS	2.23E-02	3.14E-03	2.76E-03	4.26E-03	3.19E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.01E-02	1.23E-03	1.24E-05	6.53E-04	3.13E-04	3.34E-01
TEENAGE	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
TEENAGE	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
TEENAGE	VEG. ING	1.66E-04	2.45E-03	5.29E-04	5.29E-04	4.38E-04	0.00E+00
TEENAGE	MEAT ING	5.22E-06	7.68E-05	1.66E-05	1.66E-05	1.37E-05	0.00E+00
TEENAGE	MILK ING	4.84E-06	7.12E-05	1.54E-05	1.54E-05	1.27E-05	0.00E+00
TEENAGE	TOTALS	2.24E-02	5.92E-03	2.67E-03	3.31E-03	2.87E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.01E-02	7.25E-04	1.04E-05	5.44E-04	2.61E-04	3.34E-01
ADULT	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
ADULT	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
ADULT	VEG. ING	1.01E-04	1.16E-03	3.46E-04	3.46E-04	2.82E-04	0.00E+00
ADULT	MEAT ING	4.00E-06	4.62E-05	1.37E-05	1.37E-05	1.12E-05	0.00E+00
ADULT	MILK ING	1.12E-06	1.30E-05	3.85E-06	3.85E-06	3.14E-06	0.00E+00
ADULT	TOTALS	2.23E-02	4.04E-03	2.47E-03	3.00E-03	2.65E-03	3.36E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.79E-02	1.50E-04	1.39E-05	7.76E-04	3.02E-04	9.65E-01
INFANT	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
INFANT	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.38E-06	1.26E-05	2.34E-05	2.34E-05	2.07E-05	0.00E+00
INFANT	TOTALS	6.03E-02	2.57E-03	2.44E-03	3.21E-03	2.73E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.79E-02	1.13E-04	6.49E-06	3.45E-04	1.42E-04	9.65E-01
CHILD	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04

CHILD	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
CHILD	VEG. ING	2.52E-05	1.14E-04	1.35E-04	1.35E-04	9.88E-05	0.00E+00
CHILD	MEAT ING	8.06E-07	3.65E-06	4.30E-06	4.30E-06	3.16E-06	0.00E+00
CHILD	MILK ING	1.03E-06	4.65E-06	5.48E-06	5.48E-06	4.03E-06	0.00E+00
CHILD	TOTALS	6.03E-02	2.64E-03	2.56E-03	2.90E-03	2.66E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.79E-02	2.79E-04	2.78E-06	1.48E-04	7.10E-05	9.65E-01
TEENAGE	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
TEENAGE	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
TEENAGE	VEG. ING	3.77E-05	5.54E-04	1.20E-04	1.20E-04	9.92E-05	0.00E+00
TEENAGE	MEAT ING	1.18E-06	1.74E-05	3.76E-06	3.76E-06	3.11E-06	0.00E+00
TEENAGE	MILK ING	1.10E-06	1.61E-05	3.49E-06	3.49E-06	2.89E-06	0.00E+00
TEENAGE	TOTALS	6.03E-02	3.27E-03	2.54E-03	2.68E-03	2.58E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.79E-02	1.64E-04	2.32E-06	1.23E-04	5.92E-05	9.65E-01
ADULT	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
ADULT	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
ADULT	VEG. ING	2.28E-05	2.63E-04	7.83E-05	7.83E-05	6.38E-05	0.00E+00
ADULT	MEAT ING	9.05E-07	1.05E-05	3.11E-06	3.11E-06	2.53E-06	0.00E+00
ADULT	MILK ING	2.54E-07	2.94E-06	8.72E-07	8.72E-07	7.11E-07	0.00E+00
ADULT	TOTALS	6.03E-02	2.85E-03	2.49E-03	2.61E-03	2.53E-03	9.67E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.98E-02	2.68E-04	2.51E-05	1.39E-03	5.41E-04	3.29E-01
INFANT	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
INFANT	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.14E-05	2.26E-05	4.20E-05	4.20E-05	3.70E-05	0.00E+00
INFANT	TOTALS	2.14E-02	1.84E-03	1.61E-03	2.98E-03	2.12E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.98E-02	2.03E-04	1.17E-05	6.18E-04	2.54E-04	3.29E-01
CHILD	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
CHILD	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
CHILD	VEG. ING	4.51E-05	2.04E-04	2.41E-04	2.41E-04	1.77E-04	0.00E+00
CHILD	MEAT ING	1.44E-06	6.54E-06	7.71E-06	7.71E-06	5.66E-06	0.00E+00
CHILD	MILK ING	1.84E-06	8.33E-06	9.82E-06	9.82E-06	7.21E-06	0.00E+00
CHILD	TOTALS	2.14E-02	1.97E-03	1.82E-03	2.42E-03	1.99E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.98E-02	5.00E-04	5.01E-06	2.65E-04	1.27E-04	3.29E-01
TEENAGE	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
TEENAGE	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
TEENAGE	VEG. ING	6.75E-05	9.93E-04	2.15E-04	2.15E-04	1.78E-04	0.00E+00
TEENAGE	MEAT ING	2.12E-06	3.11E-05	6.73E-06	6.73E-06	5.57E-06	0.00E+00
TEENAGE	MILK ING	1.97E-06	2.89E-05	6.25E-06	6.25E-06	5.17E-06	0.00E+00
TEENAGE	TOTALS	2.14E-02	3.10E-03	1.78E-03	2.04E-03	1.86E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.98E-02	2.94E-04	4.18E-06	2.21E-04	1.06E-04	3.29E-01
ADULT	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
ADULT	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
ADULT	VEG. ING	4.08E-05	4.72E-04	1.40E-04	1.40E-04	1.14E-04	0.00E+00
ADULT	MEAT ING	1.62E-06	1.87E-05	5.57E-06	5.57E-06	4.54E-06	0.00E+00
ADULT	MILK ING	4.55E-07	5.26E-06	1.56E-06	1.56E-06	1.27E-06	0.00E+00
ADULT	TOTALS	2.13E-02	2.34E-03	1.70E-03	1.91E-03	1.77E-03	3.30E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.31E-02	1.91E-04	1.78E-05	9.93E-04	3.86E-04	7.18E-01
INFANT	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
INFANT	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	8.17E-06	1.62E-05	3.00E-05	3.00E-05	2.64E-05	0.00E+00
INFANT	TOTALS	4.54E-02	2.46E-03	2.30E-03	3.28E-03	2.67E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.31E-02	1.45E-04	8.32E-06	4.41E-04	1.82E-04	7.18E-01
CHILD	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
CHILD	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
CHILD	VEG. ING	3.22E-05	1.46E-04	1.72E-04	1.72E-04	1.26E-04	0.00E+00
CHILD	MEAT ING	1.03E-06	4.67E-06	5.50E-06	5.50E-06	4.04E-06	0.00E+00
CHILD	MILK ING	1.31E-06	5.95E-06	7.01E-06	7.01E-06	5.15E-06	0.00E+00
CHILD	TOTALS	4.54E-02	2.55E-03	2.45E-03	2.88E-03	2.57E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.31E-02	3.57E-04	3.56E-06	1.89E-04	9.08E-05	7.18E-01
TEENAGE	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
TEENAGE	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
TEENAGE	VEG. ING	4.82E-05	7.09E-04	1.53E-04	1.53E-04	1.27E-04	0.00E+00
TEENAGE	MEAT ING	1.51E-06	2.22E-05	4.81E-06	4.81E-06	3.98E-06	0.00E+00
TEENAGE	MILK ING	1.40E-06	2.06E-05	4.46E-06	4.46E-06	3.69E-06	0.00E+00
TEENAGE	TOTALS	4.54E-02	3.36E-03	2.42E-03	2.60E-03	2.48E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.31E-02	2.10E-04	2.97E-06	1.58E-04	7.57E-05	7.18E-01
ADULT	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
ADULT	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
ADULT	VEG. ING	2.92E-05	3.37E-04	1.00E-04	1.00E-04	8.16E-05	0.00E+00
ADULT	MEAT ING	1.16E-06	1.34E-05	3.98E-06	3.98E-06	3.24E-06	0.00E+00
ADULT	MILK ING	3.25E-07	3.76E-06	1.12E-06	1.12E-06	9.09E-07	0.00E+00
ADULT	TOTALS	4.54E-02	2.82E-03	2.36E-03	2.52E-03	2.41E-03	7.20E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.53E-03	3.32E-04	3.15E-05	1.72E-03	6.70E-04	1.24E-01

INFANT	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
INFANT	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.42E-05	2.81E-05	5.21E-05	5.21E-05	4.59E-05	0.00E+00
INFANT	TOTALS	8.35E-03	1.17E-03	8.94E-04	2.59E-03	1.53E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.47E-03	2.52E-04	1.47E-05	7.66E-04	3.15E-04	1.24E-01
CHILD	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
CHILD	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
CHILD	VEG. ING	5.60E-05	2.54E-04	2.99E-04	2.99E-04	2.20E-04	0.00E+00
CHILD	MEAT ING	1.79E-06	8.11E-06	9.56E-06	9.56E-06	7.02E-06	0.00E+00
CHILD	MILK ING	2.28E-06	1.03E-05	1.22E-05	1.22E-05	8.94E-06	0.00E+00
CHILD	TOTALS	8.35E-03	1.33E-03	1.15E-03	1.90E-03	1.36E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.47E-03	6.20E-04	6.30E-06	3.28E-04	1.58E-04	1.24E-01
TEENAGE	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
TEENAGE	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
TEENAGE	VEG. ING	8.37E-05	1.23E-03	2.66E-04	2.66E-04	2.20E-04	0.00E+00
TEENAGE	MEAT ING	2.63E-06	3.86E-05	8.35E-06	8.35E-06	6.91E-06	0.00E+00
TEENAGE	MILK ING	2.44E-06	3.58E-05	7.75E-06	7.75E-06	6.41E-06	0.00E+00
TEENAGE	TOTALS	8.37E-03	2.74E-03	1.10E-03	1.42E-03	1.20E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.47E-03	3.65E-04	5.25E-06	2.74E-04	1.31E-04	1.24E-01
ADULT	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
ADULT	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
ADULT	VEG. ING	5.07E-05	5.85E-04	1.74E-04	1.74E-04	1.42E-04	0.00E+00
ADULT	MEAT ING	2.01E-06	2.32E-05	6.91E-06	6.91E-06	5.62E-06	0.00E+00
ADULT	MILK ING	5.64E-07	6.52E-06	1.94E-06	1.94E-06	1.58E-06	0.00E+00
ADULT	TOTALS	8.33E-03	1.79E-03	9.99E-04	1.27E-03	1.09E-03	1.24E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.95E-01	5.63E-05	5.23E-06	2.93E-04	1.14E-04	4.91E+00
INFANT	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
INFANT	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.41E-06	4.76E-06	8.83E-06	8.83E-06	7.79E-06	0.00E+00
INFANT	TOTALS	2.98E-01	3.67E-03	3.62E-03	3.91E-03	3.73E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.95E-01	4.27E-05	2.44E-06	1.30E-04	5.35E-05	4.91E+00
CHILD	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
CHILD	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
CHILD	VEG. ING	9.50E-06	4.30E-05	5.07E-05	5.07E-05	3.72E-05	0.00E+00
CHILD	MEAT ING	3.04E-07	1.38E-06	1.62E-06	1.62E-06	1.19E-06	0.00E+00
CHILD	MILK ING	3.87E-07	1.75E-06	2.07E-06	2.07E-06	1.52E-06	0.00E+00
CHILD	TOTALS	2.98E-01	3.70E-03	3.66E-03	3.79E-03	3.70E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.95E-01	1.05E-04	1.05E-06	5.57E-05	2.68E-05	4.91E+00
TEENAGE	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
TEENAGE	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
TEENAGE	VEG. ING	1.42E-05	2.09E-04	4.52E-05	4.52E-05	3.74E-05	0.00E+00
TEENAGE	MEAT ING	4.46E-07	6.55E-06	1.42E-06	1.42E-06	1.17E-06	0.00E+00
TEENAGE	MILK ING	4.13E-07	6.08E-06	1.31E-06	1.31E-06	1.09E-06	0.00E+00
TEENAGE	TOTALS	2.98E-01	3.93E-03	3.66E-03	3.71E-03	3.67E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.95E-01	6.19E-05	8.71E-07	4.64E-05	2.23E-05	4.91E+00
ADULT	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
ADULT	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
ADULT	VEG. ING	8.59E-06	9.93E-05	2.95E-05	2.95E-05	2.40E-05	0.00E+00
ADULT	MEAT ING	3.41E-07	3.94E-06	1.17E-06	1.17E-06	9.54E-07	0.00E+00
ADULT	MILK ING	9.57E-08	1.11E-06	3.29E-07	3.29E-07	2.68E-07	0.00E+00
ADULT	TOTALS	2.98E-01	3.77E-03	3.64E-03	3.68E-03	3.65E-03	4.92E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.15E-01	2.36E-04	2.19E-05	1.23E-03	4.77E-04	3.59E+00
INFANT	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
INFANT	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.01E-05	2.00E-05	3.70E-05	3.70E-05	3.27E-05	0.00E+00
INFANT	TOTALS	2.22E-01	6.74E-03	6.54E-03	7.75E-03	7.00E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.15E-01	1.79E-04	1.02E-05	5.45E-04	2.24E-04	3.59E+00
CHILD	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
CHILD	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
CHILD	VEG. ING	3.98E-05	1.80E-04	2.13E-04	2.13E-04	1.56E-04	0.00E+00
CHILD	MEAT ING	1.27E-06	5.77E-06	6.80E-06	6.80E-06	4.99E-06	0.00E+00
CHILD	MILK ING	1.62E-06	7.35E-06	8.66E-06	8.66E-06	6.36E-06	0.00E+00
CHILD	TOTALS	2.22E-01	6.86E-03	6.72E-03	7.26E-03	6.88E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.15E-01	4.41E-04	4.39E-06	2.34E-04	1.12E-04	3.59E+00
TEENAGE	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
TEENAGE	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
TEENAGE	VEG. ING	5.96E-05	8.76E-04	1.89E-04	1.89E-04	1.57E-04	0.00E+00
TEENAGE	MEAT ING	1.87E-06	2.75E-05	5.94E-06	5.94E-06	4.91E-06	0.00E+00
TEENAGE	MILK ING	1.73E-06	2.55E-05	5.51E-06	5.51E-06	4.56E-06	0.00E+00
TEENAGE	TOTALS	2.22E-01	7.86E-03	6.69E-03	6.92E-03	6.76E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.15E-01	2.60E-04	3.66E-06	1.95E-04	9.35E-05	3.59E+00
ADULT	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
ADULT	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
ADULT	VEG. ING	3.60E-05	4.16E-04	1.24E-04	1.24E-04	1.01E-04	0.00E+00
ADULT	MEAT ING	1.43E-06	1.65E-05	4.91E-06	4.91E-06	4.00E-06	0.00E+00
ADULT	MILK ING	4.01E-07	4.64E-06	1.38E-06	1.38E-06	1.12E-06	0.00E+00
ADULT	TOTALS	2.22E-01	7.18E-03	6.62E-03	6.81E-03	6.69E-03	3.59E+00

0Program execution time = 0.16 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZTP3ICR.MIL                 02/11/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: AZTP3ICR.MIL 02/11/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -7.1912E+02 -8.4612E+02 -1.8688E+02 -8.4612E+02 -7.1912E+02 -3.1388E+02 -1.8688E+02 -3.1388E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -7.1912E+02 YS= -8.4612E+02
NODE NO. = 2 XS= -7.1912E+02 YS= -5.8000E+02
NODE NO. = 3 XS= -7.1912E+02 YS= -3.1388E+02
NODE NO. = 4 XS= -4.5300E+02 YS= -8.4612E+02
NODE NO. = 5 XS= -4.5300E+02 YS= -5.8000E+02
NODE NO. = 6 XS= -4.5300E+02 YS= -3.1388E+02
NODE NO. = 7 XS= -1.8688E+02 YS= -8.4612E+02
NODE NO. = 8 XS= -1.8688E+02 YS= -5.8000E+02
NODE NO. = 9 XS= -1.8688E+02 YS= -3.1388E+02

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: AZTP3ICR.MIL 02/11/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.45	-0.58	-10.00	0.2833	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E+01	5001	3	0.00E+00	Tailings Cell 3 Cov

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.07E+02	1.78E+03	1.78E+03	1.78E+03
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.216E+00	1.124E+00	5.073E-01	2.577E-01	3.055E-07	4.691E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.566E-01	6.353E-01	3.640E-01	2.321E-01	4.441E-07	3.366E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.238E-01	4.175E-01	2.759E-01	1.992E-01	5.462E-07	2.572E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.036E-01	3.014E-01	2.180E-01	1.690E-01	6.175E-07	2.046E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.540E-01	1.538E-01	1.280E-01	1.088E-01	7.199E-07	1.213E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.156E-02	6.159E-02	5.765E-02	5.315E-02	7.420E-07	5.540E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.113E-02	3.114E-02	3.052E-02	2.953E-02	7.025E-07	2.970E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.985E-02	1.986E-02	1.975E-02	1.948E-02	6.620E-07	1.932E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.414E-02	1.415E-02	1.415E-02	1.408E-02	6.271E-07	1.388E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.084E-02	1.084E-02	1.087E-02	1.085E-02	5.971E-07	1.067E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.595E-03	8.600E-03	8.630E-03	8.637E-03	5.712E-07	8.483E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.036E-03	7.040E-03	7.069E-03	7.084E-03	5.485E-07	6.951E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.906E-01	8.906E-01	8.906E-01	5.533E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.032E-01	5.032E-01	5.032E-01	8.043E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.307E-01	3.307E-01	3.307E-01	9.892E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.387E-01	2.387E-01	2.387E-01	1.118E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.218E-01	1.218E-01	1.218E-01	1.304E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.878E-02	4.878E-02	4.878E-02	1.344E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.467E-02	2.467E-02	2.467E-02	1.272E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.573E-02	1.573E-02	1.573E-02	1.199E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.121E-02	1.121E-02	1.121E-02	1.136E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.588E-03	8.588E-03	8.588E-03	1.081E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.811E-03	6.811E-03	6.811E-03	1.034E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.576E-03	5.576E-03	5.576E-03	9.933E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	9.165E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.332E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.639E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.853E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.160E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.226E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.108E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.986E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.881E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.791E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.714E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.646E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.497E-01	7.938E-01	3.770E-01	1.914E-01	2.158E-07	3.443E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.563E-01	4.426E-01	2.617E-01	1.673E-01	3.085E-07	2.407E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.927E-01	2.886E-01	1.950E-01	1.414E-01	3.762E-07	1.813E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.090E-01	2.076E-01	1.525E-01	1.188E-01	4.229E-07	1.430E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.048E-01	1.047E-01	8.773E-02	7.489E-02	4.871E-07	8.320E-07
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.106E-02	4.109E-02	3.855E-02	3.565E-02	4.944E-07	3.707E-07

25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.042E-02	2.044E-02	2.004E-02	1.942E-02	4.638E-07	1.951E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.287E-02	1.288E-02	1.280E-02	1.264E-02	4.346E-07	1.253E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.086E-03	9.091E-03	9.090E-03	9.041E-03	4.099E-07	8.917E-08
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.911E-03	6.915E-03	6.930E-03	6.918E-03	3.889E-07	6.806E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.444E-03	5.447E-03	5.466E-03	5.469E-03	3.709E-07	5.372E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.430E-03	4.432E-03	4.450E-03	4.459E-03	3.552E-07	4.376E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.287E-01	6.287E-01	6.287E-01	3.908E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.505E-01	3.505E-01	3.505E-01	5.586E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.286E-01	2.286E-01	2.286E-01	6.813E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.644E-01	1.644E-01	1.644E-01	7.658E-02
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.294E-02	8.294E-02	8.294E-02	8.821E-02
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.254E-02	3.254E-02	3.254E-02	8.954E-02
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.619E-02	1.619E-02	1.619E-02	8.400E-02
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.020E-02	1.020E-02	1.020E-02	7.870E-02
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.200E-03	7.200E-03	7.200E-03	7.422E-02
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.477E-03	5.477E-03	5.477E-03	7.042E-02
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.315E-03	4.315E-03	4.315E-03	6.717E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.510E-03	3.510E-03	3.510E-03	6.433E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.474E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.254E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.129E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.269E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.461E-09
15.0	0.000E+00	0.000E+00	0.000E+00	1.483E-09
25.0	0.000E+00	0.000E+00	0.000E+00	1.391E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.304E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.230E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.167E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.113E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.066E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.572E+00	7.119E+00	1.915E+00	5.478E-01	2.708E-07	1.908E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.397E+00	3.198E+00	1.376E+00	6.507E-01	6.892E-07	1.270E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E+00	1.930E+00	1.048E+00	6.224E-01	1.084E-06	9.624E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.309E+00	1.298E+00	8.201E-01	5.529E-01	1.379E-06	7.557E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.916E-01	5.915E-01	4.653E-01	3.670E-01	1.833E-06	4.337E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.159E-01	2.160E-01	2.000E-01	1.798E-01	1.995E-06	1.908E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.023E-01	1.024E-01	1.006E-01	9.731E-02	1.906E-06	9.787E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.307E-02	6.310E-02	6.296E-02	6.233E-02	1.793E-06	6.167E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.393E-02	4.396E-02	4.406E-02	4.397E-02	1.690E-06	4.327E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.311E-02	3.313E-02	3.325E-02	3.328E-02	1.601E-06	3.268E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.590E-02	2.592E-02	2.603E-02	2.609E-02	1.524E-06	2.560E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.096E-02	2.097E-02	2.107E-02	2.114E-02	1.456E-06	2.073E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.638E+00	5.638E+00	5.638E+00	4.904E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.533E+00	2.533E+00	2.533E+00	1.248E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.529E+00	1.529E+00	1.529E+00	1.962E-01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.028E+00	1.028E+00	1.028E+00	2.497E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.685E-01	4.685E-01	4.685E-01	3.319E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.711E-01	1.711E-01	1.711E-01	3.614E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.108E-02	8.108E-02	8.108E-02	3.452E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.998E-02	4.998E-02	4.998E-02	3.246E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.482E-02	3.482E-02	3.482E-02	3.061E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.624E-02	2.624E-02	2.624E-02	2.899E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.053E-02	2.053E-02	2.053E-02	2.760E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.661E-02	1.661E-02	1.661E-02	2.638E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	8.124E-10
2.5	0.000E+00	0.000E+00	0.000E+00	2.067E-09
3.5	0.000E+00	0.000E+00	0.000E+00	3.251E-09

4.5	0.000E+00	0.000E+00	0.000E+00	4.137E-09
7.5	0.000E+00	0.000E+00	0.000E+00	5.499E-09
15.0	0.000E+00	0.000E+00	0.000E+00	5.986E-09
25.0	0.000E+00	0.000E+00	0.000E+00	5.719E-09
35.0	0.000E+00	0.000E+00	0.000E+00	5.378E-09
45.0	0.000E+00	0.000E+00	0.000E+00	5.070E-09
55.0	0.000E+00	0.000E+00	0.000E+00	4.803E-09
65.0	0.000E+00	0.000E+00	0.000E+00	4.572E-09
75.0	0.000E+00	0.000E+00	0.000E+00	4.369E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.300E+01	1.800E+01	3.746E+00	8.535E-01	3.308E-07	4.072E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.201E+00	5.843E+00	2.300E+00	9.941E-01	9.276E-07	2.139E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.239E+00	3.167E+00	1.618E+00	9.023E-01	1.443E-06	1.483E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.011E+00	1.997E+00	1.216E+00	7.833E-01	1.815E-06	1.114E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.420E-01	8.419E-01	6.547E-01	5.045E-01	2.364E-06	6.068E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.921E-01	2.922E-01	2.703E-01	2.417E-01	2.517E-06	2.573E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.348E-01	1.348E-01	1.327E-01	1.284E-01	2.379E-06	1.291E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.203E-02	8.208E-02	8.195E-02	8.121E-02	2.223E-06	8.029E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.670E-02	5.674E-02	5.688E-02	5.681E-02	2.086E-06	5.587E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.250E-02	4.252E-02	4.268E-02	4.274E-02	1.968E-06	4.196E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.311E-02	3.313E-02	3.328E-02	3.337E-02	1.868E-06	3.273E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.671E-02	2.673E-02	2.685E-02	2.694E-02	1.780E-06	2.641E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.426E+01	1.426E+01	1.426E+01	5.990E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.628E+00	4.628E+00	4.628E+00	1.680E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.508E+00	2.508E+00	2.508E+00	2.614E-01

4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.581E+00	1.581E+00	1.581E+00	3.287E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.669E-01	6.669E-01	6.669E-01	4.281E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.314E-01	2.314E-01	2.314E-01	4.559E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.068E-01	1.068E-01	1.068E-01	4.309E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.501E-02	6.501E-02	6.501E-02	4.025E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.494E-02	4.494E-02	4.494E-02	3.777E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.368E-02	3.368E-02	3.368E-02	3.564E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.624E-02	2.624E-02	2.624E-02	3.382E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.117E-02	2.117E-02	2.117E-02	3.224E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	9.923E-10
2.5	0.000E+00	0.000E+00	0.000E+00	2.783E-09
3.5	0.000E+00	0.000E+00	0.000E+00	4.330E-09
4.5	0.000E+00	0.000E+00	0.000E+00	5.446E-09
7.5	0.000E+00	0.000E+00	0.000E+00	7.091E-09
15.0	0.000E+00	0.000E+00	0.000E+00	7.552E-09
25.0	0.000E+00	0.000E+00	0.000E+00	7.138E-09
35.0	0.000E+00	0.000E+00	0.000E+00	6.668E-09
45.0	0.000E+00	0.000E+00	0.000E+00	6.257E-09
55.0	0.000E+00	0.000E+00	0.000E+00	5.904E-09
65.0	0.000E+00	0.000E+00	0.000E+00	5.603E-09
75.0	0.000E+00	0.000E+00	0.000E+00	5.341E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.458E+00	2.319E+00	9.130E-01	3.222E-01	1.935E-07	8.219E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.888E-01	8.774E-01	5.425E-01	3.045E-01	3.726E-07	4.790E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.922E-01	4.902E-01	3.691E-01	2.621E-01	5.213E-07	3.354E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.232E-01	3.229E-01	2.700E-01	2.180E-01	6.295E-07	2.514E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.457E-01	1.458E-01	1.365E-01	1.267E-01	7.835E-07	1.315E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.379E-02	5.382E-02	5.306E-02	5.184E-02	8.080E-07	5.178E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.596E-02	2.597E-02	2.599E-02	2.587E-02	7.492E-07	2.550E-07

35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.616E-02	1.617E-02	1.622E-02	1.624E-02	6.956E-07	1.595E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.132E-02	1.132E-02	1.137E-02	1.140E-02	6.521E-07	1.119E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.554E-03	8.559E-03	8.599E-03	8.627E-03	6.161E-07	8.459E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.702E-03	6.706E-03	6.738E-03	6.761E-03	5.858E-07	6.629E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.425E-03	5.428E-03	5.454E-03	5.473E-03	5.595E-07	5.366E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.837E+00	1.837E+00	1.837E+00	3.504E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.950E-01	6.950E-01	6.950E-01	6.747E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.883E-01	3.883E-01	3.883E-01	9.441E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.557E-01	2.557E-01	2.557E-01	1.140E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.154E-01	1.154E-01	1.154E-01	1.419E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.262E-02	4.262E-02	4.262E-02	1.463E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.057E-02	2.057E-02	2.057E-02	1.357E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.280E-02	1.280E-02	1.280E-02	1.260E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.969E-03	8.969E-03	8.969E-03	1.181E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.779E-03	6.779E-03	6.779E-03	1.116E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.311E-03	5.311E-03	5.311E-03	1.061E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.299E-03	4.299E-03	4.299E-03	1.013E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	5.805E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.118E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.564E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.888E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.351E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.424E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.248E-09
35.0	0.000E+00	0.000E+00	0.000E+00	2.087E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.956E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.848E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.757E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.679E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-04	0.000E+00	0.000E+00	7.275E-05	0.000E+00	0.000E+00	0.000E+00	1.598E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.006E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.315E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.902E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.351E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.577E-05	5.676E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.480E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.599E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.215E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.062E-05	0.000E+00	1.066E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.612E-07	0.000E+00	0.000E+00	5.951E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.491E-04 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.024E-03	0.000E+00	0.000E+00	5.897E-04	0.000E+00	0.000E+00	0.000E+00	1.293E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.246E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.874E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.157E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.716E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.088E-04	4.599E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.823E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.294E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.229E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.480E-04	0.000E+00	8.622E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.736E-06	0.000E+00	0.000E+00	4.814E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.640E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.463E-05	0.000E+00	0.000E+00	9.017E-06	0.000E+00	0.000E+00	0.000E+00	2.170E-07
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.094E-07	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.019E-06	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.326E-06
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.151E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.185E-06	7.185E-07	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.022E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.161E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.276E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.987E-06	0.000E+00	1.456E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.886E-08	0.000E+00	0.000E+00	8.188E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.544E-05 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.273E-01 0.000E+00 0.000E+00 4.318E-02 0.000E+00 0.000E+00 0.000E+00
4.058E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.630E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.021E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.306E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.732E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.481E-02 2.419E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.923E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.930E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.053E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.464E-03 0.000E+00
2.048E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.384E-04 0.000E+00 0.000E+00
9.990E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 8.636E-01 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.017E-05 0.000E+00 0.000E+00 5.230E-06 0.000E+00 0.000E+00 0.000E+00
5.338E-08
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.032E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.028E-07 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.122E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.117E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.798E-06 3.004E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.193E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.194E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.967E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.101E-06 0.000E+00
2.813E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.782E-08 0.000E+00 0.000E+00
1.407E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.975E-05 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: AZTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.001E-03 0.000E+00 0.000E+00 3.632E-04 0.000E+00 0.000E+00 0.000E+00
3.567E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.409E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.143E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.322E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.497E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.270E-04 2.107E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.080E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.470E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.236E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.469E-05 0.000E+00
1.809E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.221E-06 0.000E+00 0.000E+00
8.825E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.308E-03 PERSON-REM/YR
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                              TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       1.412E-07 3.421E-07 5.888E-07 8.560E-07 8.318E-06 3.428E-05 5.412E-05 7.136E-05 8.692E-05 1.012E-04 1.144E-04
1.267E-04
     NNE     1.275E-07 2.930E-07 4.904E-07 7.010E-07 6.655E-06 2.707E-05 4.273E-05 5.646E-05 6.891E-05 8.033E-05 9.095E-05
1.009E-04
     NE      1.184E-07 2.685E-07 4.464E-07 6.355E-07 5.989E-06 2.412E-05 3.775E-05 4.959E-05 6.027E-05 7.003E-05 7.909E-05
8.751E-05
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     ENE     1.088E-07 2.486E-07 4.154E-07 5.935E-07 5.616E-06 2.263E-05 3.530E-05 4.625E-05 5.608E-05 6.505E-05 7.336E-05
8.106E-05
     E       9.970E-08 2.376E-07 4.055E-07 5.862E-07 5.628E-06 2.284E-05 3.573E-05 4.684E-05 5.681E-05 6.589E-05 7.428E-05
8.206E-05
     ESE     9.380E-08 2.503E-07 4.552E-07 6.826E-07 6.875E-06 2.860E-05 4.485E-05 5.872E-05 7.107E-05 8.227E-05 9.258E-05
1.021E-04
     SE      9.843E-08 3.159E-07 6.355E-07 1.006E-06 1.085E-05 4.711E-05 7.501E-05 9.882E-05 1.200E-04 1.392E-04 1.569E-04
1.732E-04
     SSE     1.173E-07 4.236E-07 8.465E-07 1.332E-06 1.418E-05 6.071E-05 9.626E-05 1.266E-04 1.537E-04 1.782E-04 2.008E-04
2.216E-04
     S       1.251E-07 5.309E-07 1.168E-06 1.911E-06 2.118E-05 9.219E-05 1.468E-04 1.932E-04 2.343E-04 2.712E-04 3.052E-04
3.365E-04
     SSW     1.528E-07 7.145E-07 1.556E-06 2.516E-06 2.731E-05 1.163E-04 1.833E-04 2.396E-04 2.891E-04 3.335E-04 3.740E-04
4.113E-04
     SW      1.208E-07 5.978E-07 1.326E-06 2.157E-06 2.341E-05 9.791E-05 1.518E-04 1.969E-04 2.368E-04 2.728E-04 3.058E-04
3.362E-04
     WSW     7.331E-08 3.021E-07 6.531E-07 1.056E-06 1.144E-05 4.802E-05 7.465E-05 9.716E-05 1.172E-04 1.355E-04 1.523E-04
1.678E-04
     W       8.940E-08 2.870E-07 5.619E-07 8.725E-07 9.054E-06 3.733E-05 5.771E-05 7.497E-05 9.038E-05 1.044E-04 1.173E-04
1.293E-04
     WNW     1.102E-07 3.078E-07 5.712E-07 8.663E-07 8.783E-06 3.603E-05 5.573E-05 7.246E-05 8.741E-05 1.010E-04 1.135E-04
1.251E-04
     NW      1.316E-07 3.350E-07 5.896E-07 8.688E-07 8.540E-06 3.490E-05 5.438E-05 7.116E-05 8.626E-05 1.000E-04 1.128E-04
1.247E-04
     NNW     1.467E-07 3.575E-07 6.136E-07 8.904E-07 8.591E-06 3.491E-05 5.453E-05 7.151E-05 8.682E-05 1.008E-04 1.138E-04
1.259E-04

                TOTAL DOSE COMMITMENT IS 1.307E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: AZTP3ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.541E-06 3.734E-06 6.426E-06 9.343E-06 9.079E-05 3.742E-04 5.907E-04 7.788E-04 9.487E-04 1.104E-03 1.249E-03
1.383E-03
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NNE	1.392E-06	3.198E-06	5.353E-06	7.651E-06	7.264E-05	2.955E-04	4.664E-04	6.163E-04	7.521E-04	8.767E-04	9.927E-04	1.101E-03
NE	1.292E-06	2.931E-06	4.872E-06	6.937E-06	6.537E-05	2.633E-04	4.120E-04	5.412E-04	6.578E-04	7.644E-04	8.632E-04	9.551E-04
ENE	1.187E-06	2.713E-06	4.534E-06	6.477E-06	6.130E-05	2.470E-04	3.853E-04	5.048E-04	6.121E-04	7.100E-04	8.007E-04	8.847E-04
E	1.088E-06	2.594E-06	4.426E-06	6.398E-06	6.143E-05	2.493E-04	3.900E-04	5.113E-04	6.201E-04	7.192E-04	8.108E-04	8.957E-04
ESE	1.024E-06	2.732E-06	4.968E-06	7.450E-06	7.504E-05	3.122E-04	4.895E-04	6.409E-04	7.757E-04	8.980E-04	1.011E-03	1.115E-03
SE	1.074E-06	3.448E-06	6.936E-06	1.098E-05	1.184E-04	5.142E-04	8.187E-04	1.079E-03	1.310E-03	1.520E-03	1.713E-03	1.891E-03
SSE	1.281E-06	4.623E-06	9.239E-06	1.454E-05	1.548E-04	6.627E-04	1.051E-03	1.382E-03	1.678E-03	1.945E-03	2.191E-03	2.419E-03
S	1.366E-06	5.794E-06	1.275E-05	2.086E-05	2.312E-04	1.006E-03	1.603E-03	2.109E-03	2.557E-03	2.961E-03	3.331E-03	3.672E-03
SSW	1.668E-06	7.799E-06	1.698E-05	2.746E-05	2.981E-04	1.270E-03	2.000E-03	2.615E-03	3.155E-03	3.640E-03	4.083E-03	4.489E-03
SW	1.318E-06	6.525E-06	1.447E-05	2.355E-05	2.555E-04	1.069E-03	1.657E-03	2.149E-03	2.584E-03	2.977E-03	3.337E-03	3.669E-03
WSW	8.002E-07	3.298E-06	7.129E-06	1.153E-05	1.248E-04	5.241E-04	8.148E-04	1.061E-03	1.280E-03	1.478E-03	1.662E-03	1.831E-03
W	9.758E-07	3.132E-06	6.133E-06	9.523E-06	9.882E-05	4.074E-04	6.299E-04	8.183E-04	9.865E-04	1.139E-03	1.280E-03	1.411E-03
WNW	1.203E-06	3.359E-06	6.235E-06	9.456E-06	9.586E-05	3.933E-04	6.083E-04	7.909E-04	9.541E-04	1.102E-03	1.239E-03	1.366E-03
NW	1.436E-06	3.656E-06	6.435E-06	9.482E-06	9.321E-05	3.809E-04	5.935E-04	7.767E-04	9.415E-04	1.092E-03	1.231E-03	1.361E-03
NNW	1.601E-06	3.902E-06	6.698E-06	9.718E-06	9.377E-05	3.810E-04	5.952E-04	7.805E-04	9.476E-04	1.100E-03	1.242E-03	1.374E-03

TOTAL DOSE COMMITMENT IS 1.426E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

N	7.761E-09	1.881E-08	3.237E-08	4.706E-08	4.573E-07	1.885E-06	2.975E-06	3.923E-06	4.779E-06	5.562E-06	6.290E-06	6.967E-06
NNE	7.012E-09	1.611E-08	2.696E-08	3.854E-08	3.659E-07	1.488E-06	2.349E-06	3.104E-06	3.788E-06	4.416E-06	5.000E-06	5.545E-06
NE	6.510E-09	1.476E-08	2.454E-08	3.494E-08	3.293E-07	1.326E-06	2.076E-06	2.726E-06	3.313E-06	3.850E-06	4.348E-06	4.811E-06
ENE	5.980E-09	1.367E-08	2.284E-08	3.263E-08	3.088E-07	1.244E-06	1.941E-06	2.543E-06	3.083E-06	3.577E-06	4.033E-06	4.457E-06
E	5.482E-09	1.306E-08	2.229E-08	3.223E-08	3.094E-07	1.256E-06	1.964E-06	2.575E-06	3.123E-06	3.623E-06	4.084E-06	4.512E-06
ESE	5.157E-09	1.376E-08	2.503E-08	3.753E-08	3.780E-07	1.573E-06	2.466E-06	3.228E-06	3.907E-06	4.523E-06	5.090E-06	5.614E-06
SE	5.412E-09	1.737E-08	3.494E-08	5.531E-08	5.963E-07	2.590E-06	4.124E-06	5.433E-06	6.599E-06	7.655E-06	8.627E-06	9.524E-06
SSE	6.451E-09	2.329E-08	4.654E-08	7.323E-08	7.798E-07	3.338E-06	5.292E-06	6.963E-06	8.451E-06	9.798E-06	1.104E-05	1.218E-05
S	6.879E-09	2.919E-08	6.421E-08	1.051E-07	1.164E-06	5.069E-06	8.073E-06	1.062E-05	1.288E-05	1.491E-05	1.678E-05	1.850E-05
SSW	8.403E-09	3.928E-08	8.553E-08	1.383E-07	1.502E-06	6.395E-06	1.008E-05	1.317E-05	1.589E-05	1.833E-05	2.056E-05	2.261E-05
SW	6.639E-09	3.287E-08	7.291E-08	1.186E-07	1.287E-06	5.383E-06	8.345E-06	1.083E-05	1.302E-05	1.500E-05	1.681E-05	1.848E-05
WSW	4.031E-09	1.661E-08	3.591E-08	5.806E-08	6.287E-07	2.640E-06	4.104E-06	5.342E-06	6.445E-06	7.447E-06	8.371E-06	9.225E-06
W	4.915E-09	1.578E-08	3.089E-08	4.797E-08	4.978E-07	2.052E-06	3.173E-06	4.122E-06	4.969E-06	5.739E-06	6.450E-06	7.107E-06
WNW	6.059E-09	1.692E-08	3.141E-08	4.763E-08	4.829E-07	1.981E-06	3.064E-06	3.984E-06	4.806E-06	5.553E-06	6.242E-06	6.880E-06
NW	7.235E-09	1.842E-08	3.242E-08	4.776E-08	4.695E-07	1.919E-06	2.990E-06	3.912E-06	4.742E-06	5.500E-06	6.202E-06	6.855E-06
NNW	8.067E-09	1.966E-08	3.374E-08	4.895E-08	4.723E-07	1.919E-06	2.998E-06	3.932E-06	4.773E-06	5.543E-06	6.257E-06	6.922E-06

TOTAL DOSE COMMITMENT IS 7.185E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.781E-08	2.128E-07	3.662E-07	5.325E-07	5.174E-06	2.133E-05	3.366E-05	4.439E-05	5.407E-05	6.293E-05	7.116E-05	7.882E-05
NNE	7.933E-08	1.823E-07	3.051E-07	4.361E-07	4.140E-06	1.684E-05	2.658E-05	3.512E-05	4.286E-05	4.997E-05	5.657E-05	6.274E-05
NE	7.366E-08	1.670E-07	2.777E-07	3.953E-07	3.725E-06	1.500E-05	2.348E-05	3.085E-05	3.749E-05	4.356E-05	4.920E-05	5.443E-05
ENE	6.766E-08	1.546E-07	2.584E-07	3.692E-07	3.493E-06	1.408E-05	2.196E-05	2.877E-05	3.489E-05	4.047E-05	4.563E-05	5.042E-05
E	6.202E-08	1.478E-07	2.522E-07	3.646E-07	3.501E-06	1.421E-05	2.223E-05	2.914E-05	3.534E-05	4.099E-05	4.621E-05	5.105E-05
ESE	5.835E-08	1.557E-07	2.831E-07	4.246E-07	4.276E-06	1.779E-05	2.790E-05	3.652E-05	4.421E-05	5.118E-05	5.759E-05	6.352E-05
SE	6.123E-08	1.965E-07	3.953E-07	6.257E-07	6.747E-06	2.931E-05	4.666E-05	6.147E-05	7.466E-05	8.661E-05	9.760E-05	1.078E-04
SSE	7.299E-08	2.635E-07	5.266E-07	8.286E-07	8.822E-06	3.777E-05	5.988E-05	7.878E-05	9.562E-05	1.109E-04	1.249E-04	1.378E-04
S	7.783E-08	3.302E-07	7.265E-07	1.189E-06	1.317E-05	5.735E-05	9.134E-05	1.202E-04	1.457E-04	1.687E-04	1.898E-04	2.093E-04
SSW	9.507E-08	4.445E-07	9.677E-07	1.565E-06	1.699E-05	7.235E-05	1.140E-04	1.490E-04	1.798E-04	2.074E-04	2.327E-04	2.559E-04
SW	7.512E-08	3.718E-07	8.249E-07	1.342E-06	1.456E-05	6.091E-05	9.441E-05	1.225E-04	1.473E-04	1.697E-04	1.902E-04	2.091E-04
WSW	4.560E-08	1.879E-07	4.063E-07	6.569E-07	7.114E-06	2.987E-05	4.644E-05	6.044E-05	7.292E-05	8.426E-05	9.471E-05	1.044E-04
W	5.561E-08	1.785E-07	3.495E-07	5.428E-07	5.632E-06	2.322E-05	3.590E-05	4.664E-05	5.622E-05	6.494E-05	7.297E-05	8.041E-05
WNW	6.855E-08	1.915E-07	3.553E-07	5.389E-07	5.463E-06	2.241E-05	3.467E-05	4.508E-05	5.438E-05	6.283E-05	7.063E-05	7.784E-05
NW	8.186E-08	2.084E-07	3.668E-07	5.404E-07	5.312E-06	2.171E-05	3.383E-05	4.427E-05	5.366E-05	6.223E-05	7.017E-05	7.755E-05
NNW	9.127E-08	2.224E-07	3.817E-07	5.538E-07	5.344E-06	2.172E-05	3.392E-05	4.448E-05	5.400E-05	6.271E-05	7.080E-05	7.832E-05

TOTAL DOSE COMMITMENT IS 8.129E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.323E-09	1.048E-08	1.803E-08	2.621E-08	2.547E-07	1.050E-06	1.657E-06	2.185E-06	2.662E-06	3.098E-06	3.503E-06	3.880E-06
NNE	3.905E-09	8.974E-09	1.502E-08	2.147E-08	2.038E-07	8.290E-07	1.309E-06	1.729E-06	2.110E-06	2.460E-06	2.785E-06	3.088E-06
NE	3.626E-09	8.223E-09	1.367E-08	1.946E-08	1.834E-07	7.387E-07	1.156E-06	1.519E-06	1.846E-06	2.145E-06	2.422E-06	2.680E-06
ENE	3.331E-09	7.612E-09	1.272E-08	1.817E-08	1.720E-07	6.930E-07	1.081E-06	1.416E-06	1.717E-06	1.992E-06	2.246E-06	2.482E-06
E	3.053E-09	7.277E-09	1.242E-08	1.795E-08	1.724E-07	6.996E-07	1.094E-06	1.434E-06	1.740E-06	2.018E-06	2.275E-06	2.513E-06
ESE	2.872E-09	7.665E-09	1.394E-08	2.090E-08	2.105E-07	8.759E-07	1.373E-06	1.798E-06	2.176E-06	2.519E-06	2.835E-06	3.127E-06
SE	3.014E-09	9.673E-09	1.946E-08	3.081E-08	3.321E-07	1.443E-06	2.297E-06	3.026E-06	3.676E-06	4.264E-06	4.805E-06	5.305E-06
SSE	3.593E-09	1.297E-08	2.592E-08	4.079E-08	4.343E-07	1.859E-06	2.948E-06	3.878E-06	4.707E-06	5.458E-06	6.148E-06	6.786E-06
S	3.831E-09	1.626E-08	3.577E-08	5.853E-08	6.486E-07	2.823E-06	4.497E-06	5.917E-06	7.174E-06	8.306E-06	9.346E-06	1.030E-05
SSW	4.680E-09	2.188E-08	4.764E-08	7.705E-08	8.364E-07	3.562E-06	5.613E-06	7.337E-06	8.852E-06	1.021E-05	1.145E-05	1.260E-05
SW	3.698E-09	1.831E-08	4.061E-08	6.606E-08	7.170E-07	2.998E-06	4.648E-06	6.030E-06	7.251E-06	8.353E-06	9.363E-06	1.029E-05
WSW	2.245E-09	9.252E-09	2.000E-08	3.234E-08	3.502E-07	1.471E-06	2.286E-06	2.975E-06	3.590E-06	4.148E-06	4.662E-06	5.138E-06
W	2.738E-09	8.789E-09	1.721E-08	2.672E-08	2.772E-07	1.143E-06	1.767E-06	2.296E-06	2.768E-06	3.197E-06	3.592E-06	3.959E-06
WNW	3.375E-09	9.426E-09	1.749E-08	2.653E-08	2.690E-07	1.103E-06	1.707E-06	2.219E-06	2.677E-06	3.093E-06	3.477E-06	3.832E-06
NW	4.030E-09	1.026E-08	1.806E-08	2.660E-08	2.615E-07	1.069E-06	1.665E-06	2.179E-06	2.641E-06	3.064E-06	3.455E-06	3.818E-06
NNW	4.493E-09	1.095E-08	1.879E-08	2.727E-08	2.631E-07	1.069E-06	1.670E-06	2.190E-06	2.659E-06	3.087E-06	3.485E-06	3.856E-06

TOTAL DOSE COMMITMENT IS 4.002E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

METSET: DATA: AZTP3ICR.MIL 02/11/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.083E-08	9.895E-08	1.703E-07	2.476E-07	2.406E-06	9.916E-06	1.565E-05	2.064E-05	2.514E-05	2.926E-05	3.309E-05	3.665E-05
NNE	3.689E-08	8.475E-08	1.418E-07	2.028E-07	1.925E-06	7.830E-06	1.236E-05	1.633E-05	1.993E-05	2.323E-05	2.631E-05	2.917E-05
NE	3.425E-08	7.766E-08	1.291E-07	1.838E-07	1.732E-06	6.977E-06	1.092E-05	1.434E-05	1.743E-05	2.025E-05	2.287E-05	2.531E-05
ENE	3.146E-08	7.190E-08	1.201E-07	1.716E-07	1.624E-06	6.545E-06	1.021E-05	1.338E-05	1.622E-05	1.882E-05	2.122E-05	2.344E-05
E	2.884E-08	6.873E-08	1.173E-07	1.695E-07	1.628E-06	6.607E-06	1.033E-05	1.355E-05	1.643E-05	1.906E-05	2.148E-05	2.374E-05
ESE	2.713E-08	7.240E-08	1.316E-07	1.974E-07	1.988E-06	8.273E-06	1.297E-05	1.698E-05	2.056E-05	2.380E-05	2.678E-05	2.953E-05
SE	2.847E-08	9.136E-08	1.838E-07	2.909E-07	3.137E-06	1.363E-05	2.169E-05	2.858E-05	3.471E-05	4.027E-05	4.538E-05	5.010E-05
SSE	3.394E-08	1.225E-07	2.448E-07	3.852E-07	4.102E-06	1.756E-05	2.784E-05	3.663E-05	4.446E-05	5.155E-05	5.807E-05	6.409E-05
S	3.619E-08	1.535E-07	3.378E-07	5.528E-07	6.125E-06	2.666E-05	4.247E-05	5.588E-05	6.775E-05	7.845E-05	8.827E-05	9.732E-05
SSW	4.420E-08	2.067E-07	4.499E-07	7.277E-07	7.900E-06	3.364E-05	5.301E-05	6.929E-05	8.361E-05	9.645E-05	1.082E-04	1.190E-04
SW	3.493E-08	1.729E-07	3.836E-07	6.239E-07	6.771E-06	2.832E-05	4.390E-05	5.695E-05	6.848E-05	7.889E-05	8.843E-05	9.723E-05
WSW	2.120E-08	8.739E-08	1.889E-07	3.054E-07	3.308E-06	1.389E-05	2.159E-05	2.810E-05	3.391E-05	3.918E-05	4.404E-05	4.853E-05
W	2.586E-08	8.301E-08	1.625E-07	2.524E-07	2.619E-06	1.080E-05	1.669E-05	2.168E-05	2.614E-05	3.019E-05	3.393E-05	3.739E-05
WNW	3.187E-08	8.902E-08	1.652E-07	2.506E-07	2.540E-06	1.042E-05	1.612E-05	2.096E-05	2.528E-05	2.921E-05	3.284E-05	3.619E-05
NW	3.806E-08	9.689E-08	1.705E-07	2.513E-07	2.470E-06	1.009E-05	1.573E-05	2.058E-05	2.495E-05	2.893E-05	3.263E-05	3.606E-05
NNW	4.244E-08	1.034E-07	1.775E-07	2.575E-07	2.485E-06	1.010E-05	1.577E-05	2.068E-05	2.511E-05	2.916E-05	3.292E-05	3.642E-05

TOTAL DOSE COMMITMENT IS 3.780E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.491E-04	3.640E-03	5.544E-05	2.730E-03	1.312E-03	8.636E-01
GROUND	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05
CLOUD	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03
VEG. ING	4.378E-03	4.778E-02	4.378E-03	1.666E-02	1.319E-02	4.378E-03
MEAT ING	4.188E-05	4.738E-04	4.188E-05	1.531E-04	1.224E-04	4.188E-05
MILK ING	2.081E-05	1.966E-04	2.081E-05	8.025E-05	6.422E-05	2.081E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.030E-02	5.750E-02	9.903E-03	2.504E-02	2.009E-02	8.734E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.691E-03	9.486E-02	8.691E-03	3.308E-02	2.618E-02	8.691E-03
MEAT ING	6.766E-04	7.655E-03	6.766E-04	2.473E-03	1.978E-03	6.766E-04
MILK ING	3.794E-04	3.583E-03	3.794E-04	1.463E-03	1.171E-03	3.794E-04
RNPLUS50	8.651E-01	1.160E+01	1.899E-01	8.651E-01	8.651E-01	5.486E+00
TOTALS	8.748E-01	1.171E+01	1.996E-01	9.021E-01	8.944E-01	5.496E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.491E-04	3.640E-03	5.544E-05	2.730E-03	1.312E-03	8.636E-01
GROUND	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05
CLOUD	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03
VEG. ING	1.307E-02	1.426E-01	1.307E-02	4.975E-02	3.936E-02	1.307E-02
MEAT ING	7.185E-04	8.129E-03	7.185E-04	2.626E-03	2.101E-03	7.185E-04

MILK ING	4.002E-04	3.780E-03	4.002E-04	1.543E-03	1.235E-03	4.002E-04
RNPLUS50	8.651E-01	1.160E+01	1.899E-01	8.651E-01	8.651E-01	5.486E+00
TOTALS	8.851E-01	1.177E+01	2.095E-01	9.271E-01	9.145E-01	6.369E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	2.973E-01	2.972E-01	2.428E-01	2.007E-01	1.270E-06	8.632E-09	1.544E-12	2.285E-06	2.354E-01	2.354E-01	2.354E-01	2.301E-01
2	7.450E-01	7.001E-01	3.473E-01	2.013E-01	3.252E-07	6.155E-10	3.299E-14	3.233E-06	5.545E-01	5.545E-01	5.545E-01	5.889E-02
3	2.558E-01	2.535E-01	1.766E-01	1.354E-01	5.472E-07	2.383E-09	2.788E-13	1.661E-06	2.008E-01	2.008E-01	2.008E-01	9.909E-02
4	5.457E-01	5.260E-01	2.937E-01	1.904E-01	4.086E-07	1.003E-09	6.912E-14	2.741E-06	4.166E-01	4.166E-01	4.166E-01	7.400E-02
5	1.005E-01	1.004E-01	8.534E-02	7.325E-02	6.540E-07	6.384E-09	1.688E-12	8.093E-07	7.955E-02	7.955E-02	7.955E-02	1.184E-01
6	2.894E+00	2.411E+00	7.436E-01	2.554E-01	1.601E-07	1.239E-10	2.819E-15	7.206E-06	1.910E+00	1.910E+00	1.910E+00	2.899E-02
7	4.414E+00	3.908E+00	1.354E+00	4.963E-01	3.366E-07	2.798E-10	6.799E-15	1.274E-05	3.095E+00	3.095E+00	3.095E+00	6.096E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.25E-02	6.85E-04	6.45E-05	3.56E-03	1.38E-03	3.72E-01
INFANT	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
INFANT	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.92E-05	5.79E-05	1.07E-04	1.07E-04	9.47E-05	0.00E+00
INFANT	TOTALS	2.49E-02	3.04E-03	2.47E-03	5.96E-03	3.78E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.24E-02	5.19E-04	3.01E-05	1.58E-03	6.51E-04	3.72E-01
CHILD	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
CHILD	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
CHILD	VEG. ING	1.15E-04	5.23E-04	6.16E-04	6.16E-04	4.53E-04	0.00E+00
CHILD	MEAT ING	3.69E-06	1.67E-05	1.97E-05	1.97E-05	1.45E-05	0.00E+00
CHILD	MILK ING	4.70E-06	2.13E-05	2.51E-05	2.51E-05	1.84E-05	0.00E+00

CHILD	TOTALS	2.48E-02	3.38E-03	2.99E-03	4.54E-03	3.43E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.24E-02	1.28E-03	1.29E-05	6.77E-04	3.25E-04	3.72E-01
TEENAGE	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
TEENAGE	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
TEENAGE	VEG. ING	1.73E-04	2.54E-03	5.49E-04	5.49E-04	4.54E-04	0.00E+00
TEENAGE	MEAT ING	5.42E-06	7.97E-05	1.72E-05	1.72E-05	1.43E-05	0.00E+00
TEENAGE	MILK ING	5.03E-06	7.39E-05	1.60E-05	1.60E-05	1.32E-05	0.00E+00
TEENAGE	TOTALS	2.49E-02	6.27E-03	2.89E-03	3.56E-03	3.11E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.24E-02	7.53E-04	1.08E-05	5.65E-04	2.71E-04	3.72E-01
ADULT	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
ADULT	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
ADULT	VEG. ING	1.04E-04	1.21E-03	3.59E-04	3.59E-04	2.92E-04	0.00E+00
ADULT	MEAT ING	4.15E-06	4.79E-05	1.42E-05	1.42E-05	1.16E-05	0.00E+00
ADULT	MILK ING	1.16E-06	1.34E-05	4.00E-06	4.00E-06	3.26E-06	0.00E+00
ADULT	TOTALS	2.48E-02	4.32E-03	2.69E-03	3.24E-03	2.88E-03	3.74E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.59E-02	1.75E-04	1.63E-05	9.10E-04	3.54E-04	9.31E-01
INFANT	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
INFANT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.49E-06	1.48E-05	2.75E-05	2.75E-05	2.42E-05	0.00E+00
INFANT	TOTALS	5.84E-02	2.70E-03	2.55E-03	3.44E-03	2.88E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.59E-02	1.33E-04	7.62E-06	4.05E-04	1.67E-04	9.31E-01
CHILD	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05

CHILD	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
CHILD	VEG. ING	2.96E-05	1.34E-04	1.58E-04	1.58E-04	1.16E-04	0.00E+00
CHILD	MEAT ING	9.45E-07	4.28E-06	5.05E-06	5.05E-06	3.71E-06	0.00E+00
CHILD	MILK ING	1.20E-06	5.45E-06	6.43E-06	6.43E-06	4.72E-06	0.00E+00
CHILD	TOTALS	5.84E-02	2.78E-03	2.68E-03	3.08E-03	2.80E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.59E-02	3.28E-04	3.26E-06	1.73E-04	8.33E-05	9.31E-01
TEENAGE	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
TEENAGE	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
TEENAGE	VEG. ING	4.42E-05	6.50E-04	1.41E-04	1.41E-04	1.16E-04	0.00E+00
TEENAGE	MEAT ING	1.39E-06	2.04E-05	4.41E-06	4.41E-06	3.65E-06	0.00E+00
TEENAGE	MILK ING	1.29E-06	1.89E-05	4.09E-06	4.09E-06	3.39E-06	0.00E+00
TEENAGE	TOTALS	5.85E-02	3.52E-03	2.66E-03	2.83E-03	2.71E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.59E-02	1.93E-04	2.72E-06	1.45E-04	6.94E-05	9.31E-01
ADULT	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
ADULT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
ADULT	VEG. ING	2.67E-05	3.09E-04	9.18E-05	9.18E-05	7.48E-05	0.00E+00
ADULT	MEAT ING	1.06E-06	1.23E-05	3.65E-06	3.65E-06	2.97E-06	0.00E+00
ADULT	MILK ING	2.98E-07	3.44E-06	1.02E-06	1.02E-06	8.33E-07	0.00E+00
ADULT	TOTALS	5.84E-02	3.02E-03	2.61E-03	2.75E-03	2.65E-03	9.34E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.93E-02	2.95E-04	2.76E-05	1.53E-03	5.95E-04	3.20E-01
INFANT	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
INFANT	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.26E-05	2.49E-05	4.63E-05	4.63E-05	4.08E-05	0.00E+00
INFANT	TOTALS	2.09E-02	1.90E-03	1.65E-03	3.15E-03	2.21E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.92E-02	2.24E-04	1.29E-05	6.81E-04	2.80E-04	3.20E-01
CHILD	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
CHILD	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
CHILD	VEG. ING	4.97E-05	2.25E-04	2.65E-04	2.65E-04	1.95E-04	0.00E+00
CHILD	MEAT ING	1.59E-06	7.21E-06	8.49E-06	8.49E-06	6.24E-06	0.00E+00
CHILD	MILK ING	2.03E-06	9.18E-06	1.08E-05	1.08E-05	7.94E-06	0.00E+00
CHILD	TOTALS	2.09E-02	2.04E-03	1.87E-03	2.54E-03	2.07E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.92E-02	5.51E-04	5.53E-06	2.92E-04	1.40E-04	3.20E-01
TEENAGE	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
TEENAGE	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
TEENAGE	VEG. ING	7.44E-05	1.09E-03	2.36E-04	2.36E-04	1.96E-04	0.00E+00
TEENAGE	MEAT ING	2.33E-06	3.43E-05	7.42E-06	7.42E-06	6.14E-06	0.00E+00
TEENAGE	MILK ING	2.16E-06	3.18E-05	6.88E-06	6.88E-06	5.70E-06	0.00E+00
TEENAGE	TOTALS	2.09E-02	3.29E-03	1.83E-03	2.12E-03	1.92E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.92E-02	3.24E-04	4.60E-06	2.43E-04	1.17E-04	3.20E-01
ADULT	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
ADULT	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
ADULT	VEG. ING	4.50E-05	5.20E-04	1.55E-04	1.55E-04	1.26E-04	0.00E+00
ADULT	MEAT ING	1.79E-06	2.06E-05	6.13E-06	6.13E-06	5.00E-06	0.00E+00
ADULT	MILK ING	5.01E-07	5.79E-06	1.72E-06	1.72E-06	1.40E-06	0.00E+00
ADULT	TOTALS	2.08E-02	2.45E-03	1.74E-03	1.98E-03	1.82E-03	3.21E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.10E-02	2.20E-04	2.05E-05	1.14E-03	4.45E-04	6.82E-01
INFANT	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
INFANT	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	9.41E-06	1.86E-05	3.45E-05	3.45E-05	3.05E-05	0.00E+00
INFANT	TOTALS	4.33E-02	2.54E-03	2.36E-03	3.48E-03	2.78E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.10E-02	1.67E-04	9.58E-06	5.08E-04	2.09E-04	6.82E-01
CHILD	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
CHILD	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
CHILD	VEG. ING	3.71E-05	1.68E-04	1.98E-04	1.98E-04	1.46E-04	0.00E+00
CHILD	MEAT ING	1.19E-06	5.38E-06	6.34E-06	6.34E-06	4.66E-06	0.00E+00
CHILD	MILK ING	1.51E-06	6.85E-06	8.08E-06	8.08E-06	5.93E-06	0.00E+00
CHILD	TOTALS	4.33E-02	2.65E-03	2.53E-03	3.02E-03	2.67E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E-02	4.12E-04	4.11E-06	2.18E-04	1.05E-04	6.82E-01
TEENAGE	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
TEENAGE	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
TEENAGE	VEG. ING	5.55E-05	8.17E-04	1.77E-04	1.77E-04	1.46E-04	0.00E+00
TEENAGE	MEAT ING	1.74E-06	2.56E-05	5.54E-06	5.54E-06	4.58E-06	0.00E+00
TEENAGE	MILK ING	1.62E-06	2.38E-05	5.14E-06	5.14E-06	4.25E-06	0.00E+00
TEENAGE	TOTALS	4.33E-02	3.58E-03	2.49E-03	2.71E-03	2.56E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.10E-02	2.42E-04	3.42E-06	1.82E-04	8.72E-05	6.82E-01
ADULT	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
ADULT	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
ADULT	VEG. ING	3.36E-05	3.88E-04	1.15E-04	1.15E-04	9.40E-05	0.00E+00
ADULT	MEAT ING	1.33E-06	1.54E-05	4.58E-06	4.58E-06	3.73E-06	0.00E+00
ADULT	MILK ING	3.74E-07	4.33E-06	1.29E-06	1.29E-06	1.05E-06	0.00E+00
ADULT	TOTALS	4.33E-02	2.95E-03	2.43E-03	2.61E-03	2.49E-03	6.84E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.65E-03	3.53E-04	3.35E-05	1.83E-03	7.12E-04	1.26E-01

INFANT	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
INFANT	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.51E-05	2.98E-05	5.53E-05	5.53E-05	4.88E-05	0.00E+00
INFANT	TOTALS	8.50E-03	1.22E-03	9.22E-04	2.72E-03	1.59E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.59E-03	2.67E-04	1.56E-05	8.14E-04	3.35E-04	1.26E-01
CHILD	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
CHILD	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
CHILD	VEG. ING	5.94E-05	2.69E-04	3.17E-04	3.17E-04	2.33E-04	0.00E+00
CHILD	MEAT ING	1.90E-06	8.61E-06	1.01E-05	1.01E-05	7.46E-06	0.00E+00
CHILD	MILK ING	2.42E-06	1.10E-05	1.29E-05	1.29E-05	9.50E-06	0.00E+00
CHILD	TOTALS	8.49E-03	1.39E-03	1.19E-03	1.99E-03	1.42E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.59E-03	6.59E-04	6.69E-06	3.49E-04	1.67E-04	1.26E-01
TEENAGE	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
TEENAGE	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
TEENAGE	VEG. ING	8.89E-05	1.31E-03	2.83E-04	2.83E-04	2.34E-04	0.00E+00
TEENAGE	MEAT ING	2.79E-06	4.10E-05	8.87E-06	8.87E-06	7.34E-06	0.00E+00
TEENAGE	MILK ING	2.59E-06	3.81E-05	8.23E-06	8.23E-06	6.81E-06	0.00E+00
TEENAGE	TOTALS	8.52E-03	2.88E-03	1.14E-03	1.48E-03	1.25E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.58E-03	3.87E-04	5.58E-06	2.91E-04	1.40E-04	1.26E-01
ADULT	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
ADULT	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
ADULT	VEG. ING	5.38E-05	6.21E-04	1.85E-04	1.85E-04	1.50E-04	0.00E+00
ADULT	MEAT ING	2.13E-06	2.47E-05	7.33E-06	7.33E-06	5.97E-06	0.00E+00
ADULT	MILK ING	5.99E-07	6.92E-06	2.06E-06	2.06E-06	1.68E-06	0.00E+00
ADULT	TOTALS	8.47E-03	1.87E-03	1.03E-03	1.32E-03	1.13E-03	1.26E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.17E-01	8.63E-05	8.01E-06	4.48E-04	1.74E-04	3.62E+00
INFANT	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
INFANT	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.69E-06	7.30E-06	1.35E-05	1.35E-05	1.19E-05	0.00E+00
INFANT	TOTALS	2.21E-01	3.91E-03	3.84E-03	4.28E-03	4.00E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.17E-01	6.54E-05	3.74E-06	1.99E-04	8.20E-05	3.62E+00
CHILD	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
CHILD	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
CHILD	VEG. ING	1.45E-05	6.59E-05	7.77E-05	7.77E-05	5.71E-05	0.00E+00
CHILD	MEAT ING	4.65E-07	2.11E-06	2.48E-06	2.48E-06	1.82E-06	0.00E+00
CHILD	MILK ING	5.93E-07	2.69E-06	3.16E-06	3.16E-06	2.32E-06	0.00E+00
CHILD	TOTALS	2.21E-01	3.95E-03	3.91E-03	4.10E-03	3.96E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.17E-01	1.61E-04	1.60E-06	8.54E-05	4.10E-05	3.62E+00
TEENAGE	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
TEENAGE	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
TEENAGE	VEG. ING	2.18E-05	3.20E-04	6.92E-05	6.92E-05	5.73E-05	0.00E+00
TEENAGE	MEAT ING	6.83E-07	1.00E-05	2.17E-06	2.17E-06	1.80E-06	0.00E+00
TEENAGE	MILK ING	6.33E-07	9.32E-06	2.01E-06	2.01E-06	1.67E-06	0.00E+00
TEENAGE	TOTALS	2.21E-01	4.32E-03	3.89E-03	3.98E-03	3.92E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.17E-01	9.49E-05	1.34E-06	7.11E-05	3.42E-05	3.62E+00
ADULT	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
ADULT	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
ADULT	VEG. ING	1.32E-05	1.52E-04	4.52E-05	4.52E-05	3.68E-05	0.00E+00
ADULT	MEAT ING	5.23E-07	6.04E-06	1.79E-06	1.79E-06	1.46E-06	0.00E+00
ADULT	MILK ING	1.47E-07	1.69E-06	5.04E-07	5.04E-07	4.10E-07	0.00E+00
ADULT	TOTALS	2.21E-01	4.07E-03	3.87E-03	3.94E-03	3.89E-03	3.62E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.31E-01	1.81E-04	1.69E-05	9.42E-04	3.66E-04	5.52E+00
INFANT	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
INFANT	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.75E-06	1.53E-05	2.85E-05	2.85E-05	2.51E-05	0.00E+00
INFANT	TOTALS	3.38E-01	7.38E-03	7.23E-03	8.15E-03	7.57E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.31E-01	1.38E-04	7.86E-06	4.19E-04	1.72E-04	5.52E+00
CHILD	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
CHILD	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
CHILD	VEG. ING	3.06E-05	1.39E-04	1.63E-04	1.63E-04	1.20E-04	0.00E+00
CHILD	MEAT ING	9.78E-07	4.43E-06	5.22E-06	5.22E-06	3.84E-06	0.00E+00
CHILD	MILK ING	1.25E-06	5.65E-06	6.65E-06	6.65E-06	4.89E-06	0.00E+00
CHILD	TOTALS	3.38E-01	7.47E-03	7.36E-03	7.77E-03	7.48E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.31E-01	3.39E-04	3.37E-06	1.80E-04	8.62E-05	5.52E+00
TEENAGE	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
TEENAGE	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
TEENAGE	VEG. ING	4.58E-05	6.73E-04	1.45E-04	1.45E-04	1.20E-04	0.00E+00
TEENAGE	MEAT ING	1.44E-06	2.11E-05	4.56E-06	4.56E-06	3.78E-06	0.00E+00
TEENAGE	MILK ING	1.33E-06	1.96E-05	4.23E-06	4.23E-06	3.50E-06	0.00E+00
TEENAGE	TOTALS	3.38E-01	8.23E-03	7.34E-03	7.51E-03	7.39E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.31E-01	1.99E-04	2.81E-06	1.50E-04	7.18E-05	5.52E+00
ADULT	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
ADULT	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
ADULT	VEG. ING	2.77E-05	3.20E-04	9.51E-05	9.51E-05	7.74E-05	0.00E+00
ADULT	MEAT ING	1.10E-06	1.27E-05	3.77E-06	3.77E-06	3.07E-06	0.00E+00
ADULT	MILK ING	3.08E-07	3.56E-06	1.06E-06	1.06E-06	8.63E-07	0.00E+00
ADULT	TOTALS	3.38E-01	7.72E-03	7.28E-03	7.43E-03	7.33E-03	5.52E+00

0Program execution time = 0.16 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -5.5359E+02 -6.8059E+02 -3.5241E+02 -6.8059E+02 -5.5359E+02 -4.7941E+02 -3.5241E+02 -4.7941E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -5.5359E+02 YS= -6.8059E+02
NODE NO. = 2 XS= -5.5359E+02 YS= -5.8000E+02
NODE NO. = 3 XS= -5.5359E+02 YS= -4.7941E+02
NODE NO. = 4 XS= -4.5300E+02 YS= -6.8059E+02
NODE NO. = 5 XS= -4.5300E+02 YS= -5.8000E+02
NODE NO. = 6 XS= -4.5300E+02 YS= -4.7941E+02
NODE NO. = 7 XS= -3.5241E+02 YS= -6.8059E+02
NODE NO. = 8 XS= -3.5241E+02 YS= -5.8000E+02
NODE NO. = 9 XS= -3.5241E+02 YS= -4.7941E+02

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.45	-0.58	-10.00	0.0405	6.90E-04	1.15E-02	1.15E-02	1.15E-02	1.79E+02	5001	3	0.00E+00	Tailings Cell 3

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.07E+02	1.78E+03	1.78E+03	1.78E+03
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

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            LIVER          6.16E-01       6.94E-01       3.42E+01       2.94E+00       4.23E+02       1.97E-01       1.82E+01
            KIDNEY         1.11E+02       1.25E+02       3.89E+00       2.94E+00       1.99E+02       6.45E+00       1.10E+02
0    AMAD= 3.0 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       1.91E+01       2.12E+01       1.05E+03       3.86E+01       7.59E+01       1.30E+00       4.84E+01
            BONE           2.89E+02       3.21E+02       1.43E+04       2.46E+02       6.12E+02       9.26E-02       6.58E+00
            AVG.LUNG       4.25E+00       4.82E+00       4.08E+03       2.19E+02       8.61E+00       5.88E+00       1.77E+02
            LIVER          6.55E-01       7.38E-01       2.47E+01       3.30E+00       4.59E+02       2.52E-01       2.05E+01
            KIDNEY         1.18E+02       1.33E+02       2.81E+00       3.30E+00       2.15E+02       7.65E+00       1.25E+02
0    AMAD= 7.7 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       2.05E+01       2.29E+01       6.62E+02       2.80E+01       8.45E+01       1.08E+00       4.23E+01
            BONE           3.13E+02       3.49E+02       9.08E+03       2.79E+02       6.78E+02       1.16E-01       7.51E+00
            AVG.LUNG       2.35E+00       2.67E+00       1.76E+03       9.46E+01       9.53E+00       2.54E+00       7.63E+01
            LIVER          7.11E-01       8.01E-01       1.58E+01       3.74E+00       5.08E+02       3.16E-01       2.34E+01
            KIDNEY         1.28E+02       1.45E+02       1.79E+00       3.74E+00       2.36E+02       9.04E+00       1.42E+02
0    AMAD=54.0 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       1.88E+01       2.10E+01       1.88E+02       1.31E+01       8.03E+01       6.75E-01       2.77E+01
            BONE           2.91E+02       3.24E+02       4.70E+03       2.60E+02       6.48E+02       1.27E-01       6.66E+00
            AVG.LUNG       7.59E-01       8.61E-01       0.00E+00       0.00E+00       9.11E+00       0.00E+00       0.00E+00
            LIVER          6.59E-01       7.43E-01       8.16E+00       3.49E+00       4.86E+02       3.46E-01       2.08E+01
            KIDNEY         1.19E+02       1.34E+02       9.29E-01       3.49E+00       2.24E+02       8.05E+00       1.26E+02
0    AMAD= 0.3 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       2.04E+01       2.27E+01       3.12E+03       9.86E+01       7.30E+01       2.72E+00       9.27E+01
            BONE           2.99E+02       3.33E+02       3.83E+04       2.09E+02       5.92E+02       4.44E-02       5.29E+00
            AVG.LUNG       1.27E+01       1.44E+01       1.40E+04       7.53E+02       8.33E+00       2.02E+01       6.07E+02
            LIVER          6.79E-01       7.65E-01       6.64E+01       2.80E+00       4.44E+02       1.21E-01       1.65E+01
            KIDNEY         1.22E+02       1.38E+02       7.56E+00       2.80E+00       2.13E+02       4.93E+00       1.00E+02

                                          EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS
                                U-238        Th-230       Ra-226       Pb-210       Rn-222       Po-218       Pb-214       Bi-
214
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  GROUND, MR/YR PER PCI/M2     3.70E-06     6.12E-07     9.47E-07     2.27E-06     5.03E-08     1.10E-08     3.16E-05
1.85E-04
  CLOUD, MR/YR PER PCI/M3      1.23E-04     3.59E-06     4.90E-05     1.43E-05     2.83E-06     6.34E-07     1.67E-03
1.16E-02
  WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3     ........     ........     ........     1.03E-06     5.07E-06
3.73E-06
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  11
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

                                       INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

    AGE GROUP    TISSUE        U-238        U-234        Th-234       Th-230       Ra-226       Pb-210       Bi-210       Po-
210
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INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	9.612E-07	1.602E-05	1.602E-05	1.598E-05	2.406E+00	2.230E+00	1.012E+00	5.166E-01	6.101E-07	9.356E-06
2.5	4.316E-07	7.191E-06	7.191E-06	7.174E-06	1.296E+00	1.257E+00	7.259E-01	4.654E-01	8.883E-07	6.710E-06
3.5	2.475E-07	4.124E-06	4.124E-06	4.114E-06	8.419E-01	8.300E-01	5.506E-01	3.986E-01	1.093E-06	5.133E-06
4.5	1.620E-07	2.700E-06	2.700E-06	2.693E-06	6.048E-01	6.006E-01	4.353E-01	3.380E-01	1.236E-06	4.086E-06
7.5	7.060E-08	1.176E-06	1.176E-06	1.174E-06	3.075E-01	3.073E-01	2.557E-01	2.174E-01	1.440E-06	2.424E-06
15.0	2.430E-08	4.049E-07	4.049E-07	4.040E-07	1.231E-01	1.232E-01	1.153E-01	1.063E-01	1.484E-06	1.108E-06
25.0	1.140E-08	1.900E-07	1.900E-07	1.896E-07	6.226E-02	6.229E-02	6.105E-02	5.907E-02	1.405E-06	5.941E-07
35.0	6.921E-09	1.153E-07	1.153E-07	1.151E-07	3.970E-02	3.972E-02	3.950E-02	3.896E-02	1.324E-06	3.865E-07
45.0	4.725E-09	7.873E-08	7.873E-08	7.855E-08	2.829E-02	2.831E-02	2.830E-02	2.816E-02	1.254E-06	2.777E-07
55.0	3.489E-09	5.813E-08	5.813E-08	5.800E-08	2.168E-02	2.169E-02	2.174E-02	2.170E-02	1.194E-06	2.135E-07
65.0	2.670E-09	4.450E-08	4.450E-08	4.439E-08	1.719E-02	1.720E-02	1.726E-02	1.728E-02	1.143E-06	1.697E-07
75.0	2.116E-09	3.526E-08	3.526E-08	3.518E-08	1.407E-02	1.408E-02	1.414E-02	1.417E-02	1.097E-06	1.390E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	1.695E+00	2.824E+01	2.822E+01	2.822E+01	0.000E+00	2.999E+01	2.999E+01	2.999E+01	1.105E-01
2.5	7.146E-01	1.191E+01	1.190E+01	1.190E+01	0.000E+00	1.290E+01	1.290E+01	1.290E+01	1.609E-01
3.5	3.920E-01	6.531E+00	6.529E+00	6.529E+00	0.000E+00	7.186E+00	7.186E+00	7.186E+00	1.980E-01
4.5	2.481E-01	4.134E+00	4.132E+00	4.132E+00	0.000E+00	4.608E+00	4.608E+00	4.608E+00	2.239E-01
7.5	1.025E-01	1.707E+00	1.707E+00	1.707E+00	0.000E+00	1.950E+00	1.950E+00	1.950E+00	2.608E-01
15.0	3.359E-02	5.597E-01	5.594E-01	5.594E-01	0.000E+00	6.570E-01	6.570E-01	6.570E-01	2.688E-01
25.0	1.514E-02	2.523E-01	2.522E-01	2.522E-01	0.000E+00	3.015E-01	3.015E-01	3.015E-01	2.545E-01
35.0	8.759E-03	1.460E-01	1.459E-01	1.459E-01	0.000E+00	1.774E-01	1.774E-01	1.774E-01	2.398E-01
45.0	5.658E-03	9.428E-02	9.424E-02	9.424E-02	0.000E+00	1.167E-01	1.167E-01	1.167E-01	2.272E-01
55.0	3.947E-03	6.577E-02	6.574E-02	6.574E-02	0.000E+00	8.292E-02	8.292E-02	8.292E-02	2.163E-01
65.0	2.838E-03	4.729E-02	4.727E-02	4.727E-02	0.000E+00	6.090E-02	6.090E-02	6.090E-02	2.069E-01
75.0	2.110E-03	3.516E-02	3.515E-02	3.515E-02	0.000E+00	4.630E-02	4.630E-02	4.630E-02	1.987E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	4.414E-08	7.355E-07	7.355E-07	7.356E-07
2.5	1.861E-08	3.102E-07	3.102E-07	3.121E-07
3.5	1.021E-08	1.701E-07	1.701E-07	1.730E-07
4.5	6.462E-09	1.077E-07	1.077E-07	1.111E-07
7.5	2.669E-09	4.447E-08	4.447E-08	4.869E-08
15.0	8.749E-10	1.458E-08	1.458E-08	1.900E-08
25.0	3.944E-10	6.572E-09	6.571E-09	1.077E-08
35.0	2.282E-10	3.802E-09	3.802E-09	7.766E-09
45.0	1.474E-10	2.456E-09	2.456E-09	6.213E-09
55.0	1.028E-10	1.713E-09	1.713E-09	5.292E-09
65.0	7.393E-11	1.232E-09	1.232E-09	4.657E-09
75.0	5.497E-11	9.160E-10	9.159E-10	4.205E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.019E-07	8.364E-06	8.364E-06	8.345E-06	1.669E+00	1.563E+00	7.497E-01	3.834E-01	4.298E-07	6.841E-06
2.5	2.270E-07	3.782E-06	3.782E-06	3.773E-06	8.997E-01	8.744E-01	5.216E-01	3.355E-01	6.170E-07	4.796E-06
3.5	1.294E-07	2.156E-06	2.156E-06	2.151E-06	5.813E-01	5.736E-01	3.890E-01	2.830E-01	7.532E-07	3.619E-06
4.5	8.420E-08	1.403E-06	1.403E-06	1.400E-06	4.163E-01	4.136E-01	3.044E-01	2.375E-01	8.466E-07	2.855E-06
7.5	3.512E-08	5.852E-07	5.851E-07	5.838E-07	2.093E-01	2.092E-01	1.753E-01	1.497E-01	9.746E-07	1.663E-06
15.0	1.086E-08	1.810E-07	1.810E-07	1.806E-07	8.214E-02	8.218E-02	7.710E-02	7.130E-02	9.890E-07	7.415E-07

25.0	4.628E-09	7.711E-08	7.711E-08	7.693E-08	4.085E-02	4.088E-02	4.009E-02	3.885E-02	9.278E-07
3.902E-07									
35.0	2.646E-09	4.408E-08	4.408E-08	4.398E-08	2.574E-02	2.576E-02	2.561E-02	2.527E-02	8.693E-07
2.507E-07									
45.0	1.735E-09	2.892E-08	2.892E-08	2.885E-08	1.817E-02	1.818E-02	1.818E-02	1.808E-02	8.198E-07
1.784E-07									
55.0	1.248E-09	2.079E-08	2.079E-08	2.075E-08	1.382E-02	1.383E-02	1.386E-02	1.384E-02	7.778E-07
1.361E-07									
65.0	9.339E-10	1.556E-08	1.556E-08	1.553E-08	1.089E-02	1.090E-02	1.093E-02	1.094E-02	7.419E-07
1.075E-07									
75.0	7.270E-10	1.211E-08	1.211E-08	1.209E-08	8.860E-03	8.865E-03	8.902E-03	8.919E-03	7.105E-07
8.753E-08									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	8.171E-01	1.362E+01	1.361E+01	1.361E+01	0.000E+00	1.485E+01	1.485E+01	1.485E+01	7.783E-02
2.5	3.402E-01	5.669E+00	5.667E+00	5.667E+00	0.000E+00	6.359E+00	6.359E+00	6.359E+00	1.117E-01
3.5	1.826E-01	3.043E+00	3.042E+00	3.042E+00	0.000E+00	3.496E+00	3.496E+00	3.496E+00	1.364E-01
4.5	1.134E-01	1.890E+00	1.889E+00	1.889E+00	0.000E+00	2.217E+00	2.217E+00	2.217E+00	1.533E-01
7.5	4.333E-02	7.220E-01	7.217E-01	7.217E-01	0.000E+00	8.874E-01	8.874E-01	8.874E-01	1.765E-01
15.0	1.214E-02	2.023E-01	2.022E-01	2.022E-01	0.000E+00	2.673E-01	2.673E-01	2.673E-01	1.791E-01
25.0	4.899E-03	8.164E-02	8.160E-02	8.160E-02	0.000E+00	1.140E-01	1.140E-01	1.140E-01	1.680E-01
35.0	2.687E-03	4.478E-02	4.476E-02	4.476E-02	0.000E+00	6.516E-02	6.516E-02	6.516E-02	1.574E-01
45.0	1.690E-03	2.815E-02	2.814E-02	2.814E-02	0.000E+00	4.254E-02	4.254E-02	4.254E-02	1.485E-01
55.0	1.164E-03	1.940E-02	1.940E-02	1.940E-02	0.000E+00	3.035E-02	3.035E-02	3.035E-02	1.409E-01
65.0	8.319E-04	1.386E-02	1.386E-02	1.386E-02	0.000E+00	2.249E-02	2.249E-02	2.249E-02	1.344E-01
75.0	6.175E-04	1.029E-02	1.029E-02	1.029E-02	0.000E+00	1.731E-02	1.731E-02	1.731E-02	1.287E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.128E-08	3.547E-07	3.546E-07	3.551E-07
2.5	8.862E-09	1.477E-07	1.477E-07	1.492E-07
3.5	4.757E-09	7.926E-08	7.926E-08	8.134E-08
4.5	2.955E-09	4.924E-08	4.924E-08	5.166E-08
7.5	1.129E-09	1.881E-08	1.881E-08	2.169E-08
15.0	3.162E-10	5.269E-09	5.269E-09	8.224E-09
25.0	1.276E-10	2.127E-09	2.126E-09	4.905E-09
35.0	7.000E-11	1.166E-09	1.166E-09	3.772E-09
45.0	4.401E-11	7.333E-10	7.333E-10	3.191E-09
55.0	3.033E-11	5.055E-10	5.054E-10	2.838E-09
65.0	2.167E-11	3.611E-10	3.611E-10	2.586E-09
75.0	1.609E-11	2.680E-10	2.680E-10	2.399E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.723E-06	7.870E-05	7.870E-05	7.852E-05	1.564E+01	1.311E+01	3.661E+00	1.064E+00	5.149E-07	3.603E-05
2.5	1.556E-06	2.593E-05	2.593E-05	2.587E-05	6.672E+00	6.300E+00	2.740E+00	1.306E+00	1.373E-06	2.525E-05
3.5	7.757E-07	1.293E-05	1.293E-05	1.290E-05	3.901E+00	3.818E+00	2.090E+00	1.248E+00	2.167E-06	1.918E-05
4.5	4.611E-07	7.684E-06	7.684E-06	7.666E-06	2.601E+00	2.581E+00	1.637E+00	1.107E+00	2.761E-06	1.509E-05
7.5	1.676E-07	2.793E-06	2.793E-06	2.787E-06	1.181E+00	1.181E+00	9.298E-01	7.337E-01	3.668E-06	8.667E-06
15.0	4.558E-08	7.595E-07	7.595E-07	7.577E-07	4.318E-01	4.320E-01	4.001E-01	3.597E-01	3.991E-06	3.816E-06
25.0	1.674E-08	2.789E-07	2.789E-07	2.782E-07	2.047E-01	2.048E-01	2.013E-01	1.947E-01	3.813E-06	1.958E-06
35.0	8.626E-09	1.437E-07	1.437E-07	1.434E-07	1.262E-01	1.262E-01	1.259E-01	1.247E-01	3.585E-06	1.234E-06
45.0	5.216E-09	8.691E-08	8.691E-08	8.671E-08	8.788E-02	8.793E-02	8.812E-02	8.796E-02	3.380E-06	8.654E-07
55.0	3.518E-09	5.862E-08	5.861E-08	5.848E-08	6.622E-02	6.626E-02	6.651E-02	6.657E-02	3.202E-06	6.537E-07
65.0	2.483E-09	4.137E-08	4.137E-08	4.128E-08	5.181E-02	5.184E-02	5.207E-02	5.219E-02	3.048E-06	5.121E-07
75.0	1.836E-09	3.060E-08	3.060E-08	3.053E-08	4.193E-02	4.195E-02	4.215E-02	4.228E-02	2.913E-06	4.146E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.940E+00	1.156E+02	1.156E+02	1.156E+02	0.000E+00	1.260E+02	1.260E+02	1.260E+02	9.325E-02
2.5	1.754E+00	2.922E+01	2.921E+01	2.921E+01	0.000E+00	3.420E+01	3.420E+01	3.420E+01	2.486E-01
3.5	7.386E-01	1.231E+01	1.230E+01	1.230E+01	0.000E+00	1.533E+01	1.533E+01	1.533E+01	3.925E-01
4.5	3.910E-01	6.516E+00	6.513E+00	6.513E+00	0.000E+00	8.557E+00	8.557E+00	8.557E+00	4.999E-01
7.5	1.164E-01	1.940E+00	1.939E+00	1.939E+00	0.000E+00	2.875E+00	2.875E+00	2.875E+00	6.642E-01
15.0	2.637E-02	4.394E-01	4.392E-01	4.392E-01	0.000E+00	7.814E-01	7.814E-01	7.814E-01	7.228E-01
25.0	8.915E-03	1.486E-01	1.485E-01	1.485E-01	0.000E+00	3.107E-01	3.107E-01	3.107E-01	6.905E-01
35.0	4.463E-03	7.437E-02	7.434E-02	7.434E-02	0.000E+00	1.743E-01	1.743E-01	1.743E-01	6.493E-01
45.0	2.655E-03	4.424E-02	4.422E-02	4.422E-02	0.000E+00	1.139E-01	1.139E-01	1.139E-01	6.122E-01
55.0	1.769E-03	2.948E-02	2.947E-02	2.947E-02	0.000E+00	8.195E-02	8.195E-02	8.195E-02	5.799E-01
65.0	1.234E-03	2.056E-02	2.055E-02	2.055E-02	0.000E+00	6.161E-02	6.161E-02	6.161E-02	5.520E-01
75.0	9.015E-04	1.502E-02	1.501E-02	1.501E-02	0.000E+00	4.824E-02	4.824E-02	4.824E-02	5.276E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.808E-07	3.012E-06	3.012E-06	3.007E-06
2.5	4.568E-08	7.613E-07	7.612E-07	7.636E-07
3.5	1.924E-08	3.206E-07	3.206E-07	3.264E-07

4.5	1.019E-08	1.697E-07	1.697E-07	1.776E-07
7.5	3.033E-09	5.054E-08	5.054E-08	6.142E-08
15.0	6.869E-10	1.145E-08	1.145E-08	2.339E-08
25.0	2.322E-10	3.870E-09	3.869E-09	1.530E-08
35.0	1.163E-10	1.937E-09	1.937E-09	1.269E-08
45.0	6.916E-11	1.152E-09	1.152E-09	1.129E-08
55.0	4.608E-11	7.679E-10	7.679E-10	1.037E-08
65.0	3.214E-11	5.355E-10	5.355E-10	9.679E-09
75.0	2.348E-11	3.913E-10	3.913E-10	9.130E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.249E-05	2.081E-04	2.080E-04	2.076E-04	4.499E+01	3.614E+01	7.796E+00	1.781E+00	6.569E-07	8.340E-05
2.5	2.821E-06	4.701E-05	4.701E-05	4.690E-05	1.243E+01	1.174E+01	4.643E+00	2.013E+00	1.863E-06	4.314E-05
3.5	1.326E-06	2.210E-05	2.210E-05	2.205E-05	6.522E+00	6.378E+00	3.259E+00	1.817E+00	2.901E-06	2.987E-05
4.5	7.451E-07	1.242E-05	1.242E-05	1.239E-05	4.045E+00	4.016E+00	2.444E+00	1.574E+00	3.645E-06	2.240E-05
7.5	2.557E-07	4.260E-06	4.260E-06	4.251E-06	1.690E+00	1.690E+00	1.314E+00	1.012E+00	4.738E-06	1.218E-05
15.0	6.758E-08	1.126E-06	1.126E-06	1.124E-06	5.852E-01	5.855E-01	5.416E-01	4.843E-01	5.040E-06	5.155E-06
25.0	2.443E-08	4.071E-07	4.071E-07	4.061E-07	2.698E-01	2.700E-01	2.657E-01	2.571E-01	4.762E-06	2.584E-06
35.0	1.251E-08	2.084E-07	2.084E-07	2.079E-07	1.642E-01	1.643E-01	1.640E-01	1.625E-01	4.448E-06	1.607E-06
45.0	7.524E-09	1.254E-07	1.254E-07	1.251E-07	1.135E-01	1.135E-01	1.138E-01	1.137E-01	4.173E-06	1.118E-06
55.0	5.050E-09	8.415E-08	8.415E-08	8.396E-08	8.504E-02	8.509E-02	8.542E-02	8.553E-02	3.938E-06	8.397E-07
65.0	3.551E-09	5.916E-08	5.916E-08	5.903E-08	6.626E-02	6.629E-02	6.659E-02	6.676E-02	3.737E-06	6.549E-07
75.0	2.616E-09	4.360E-08	4.360E-08	4.350E-08	5.345E-02	5.347E-02	5.373E-02	5.390E-02	3.562E-06	5.285E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.331E+01	2.217E+02	2.216E+02	2.216E+02	0.000E+00	2.503E+02	2.503E+02	2.503E+02	1.190E-01
2.5	2.399E+00	3.997E+01	3.996E+01	3.996E+01	0.000E+00	4.925E+01	4.925E+01	4.925E+01	3.373E-01
3.5	1.010E+00	1.683E+01	1.683E+01	1.683E+01	0.000E+00	2.188E+01	2.188E+01	2.188E+01	5.254E-01

4.5	5.171E-01	8.616E+00	8.612E+00	8.612E+00	0.000E+00	1.179E+01	1.179E+01	1.179E+01	6.601E-01
7.5	1.519E-01	2.532E+00	2.531E+00	2.531E+00	0.000E+00	3.869E+00	3.869E+00	3.869E+00	8.581E-01
15.0	3.536E-02	5.891E-01	5.889E-01	5.889E-01	0.000E+00	1.053E+00	1.053E+00	1.053E+00	9.128E-01
25.0	1.212E-02	2.020E-01	2.019E-01	2.019E-01	0.000E+00	4.157E-01	4.157E-01	4.157E-01	8.624E-01
35.0	6.103E-03	1.017E-01	1.017E-01	1.017E-01	0.000E+00	2.318E-01	2.318E-01	2.318E-01	8.055E-01
45.0	3.634E-03	6.055E-02	6.053E-02	6.053E-02	0.000E+00	1.505E-01	1.505E-01	1.505E-01	7.557E-01
55.0	2.417E-03	4.028E-02	4.026E-02	4.026E-02	0.000E+00	1.077E-01	1.077E-01	1.077E-01	7.131E-01
65.0	1.682E-03	2.803E-02	2.802E-02	2.802E-02	0.000E+00	8.052E-02	8.052E-02	8.052E-02	6.767E-01
75.0	1.226E-03	2.043E-02	2.042E-02	2.042E-02	0.000E+00	6.278E-02	6.278E-02	6.278E-02	6.451E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.466E-07	5.776E-06	5.776E-06	5.764E-06
2.5	6.249E-08	1.041E-06	1.041E-06	1.044E-06
3.5	2.631E-08	4.385E-07	4.384E-07	4.461E-07
4.5	1.347E-08	2.244E-07	2.244E-07	2.348E-07
7.5	3.957E-09	6.594E-08	6.594E-08	8.001E-08
15.0	9.210E-10	1.535E-08	1.535E-08	3.043E-08
25.0	3.157E-10	5.261E-09	5.261E-09	1.953E-08
35.0	1.590E-10	2.649E-09	2.649E-09	1.599E-08
45.0	9.466E-11	1.577E-09	1.577E-09	1.409E-08
55.0	6.296E-11	1.049E-09	1.049E-09	1.286E-08
65.0	4.381E-11	7.301E-10	7.301E-10	1.194E-08
75.0	3.194E-11	5.322E-10	5.322E-10	1.122E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.564E-07	1.261E-05	1.260E-05	1.258E-05	4.691E+00	4.452E+00	1.812E+00	6.475E-01	3.827E-07	1.619E-05
2.5	1.673E-07	2.788E-06	2.788E-06	2.782E-06	1.759E+00	1.737E+00	1.082E+00	6.106E-01	7.442E-07	9.553E-06
3.5	7.775E-08	1.296E-06	1.296E-06	1.293E-06	9.722E-01	9.689E-01	7.355E-01	5.254E-01	1.043E-06	6.687E-06
4.5	4.584E-08	7.638E-07	7.638E-07	7.620E-07	6.423E-01	6.417E-01	5.385E-01	4.363E-01	1.260E-06	5.018E-06
7.5	1.726E-08	2.876E-07	2.876E-07	2.870E-07	2.909E-01	2.910E-01	2.727E-01	2.532E-01	1.568E-06	2.627E-06
15.0	5.508E-09	9.178E-08	9.177E-08	9.156E-08	1.076E-01	1.076E-01	1.061E-01	1.037E-01	1.616E-06	1.036E-06
25.0	2.452E-09	4.087E-08	4.086E-08	4.077E-08	5.193E-02	5.196E-02	5.198E-02	5.175E-02	1.499E-06	5.101E-07

35.0	1.453E-09	2.421E-08	2.421E-08	2.415E-08	3.232E-02	3.234E-02	3.245E-02	3.249E-02	1.391E-06
3.190E-07									
45.0	9.774E-10	1.629E-08	1.629E-08	1.625E-08	2.264E-02	2.265E-02	2.275E-02	2.281E-02	1.304E-06
2.238E-07									
55.0	7.139E-10	1.190E-08	1.190E-08	1.187E-08	1.711E-02	1.712E-02	1.720E-02	1.726E-02	1.232E-06
1.692E-07									
65.0	5.411E-10	9.016E-09	9.016E-09	8.995E-09	1.341E-02	1.341E-02	1.348E-02	1.352E-02	1.172E-06
1.326E-07									
75.0	4.247E-10	7.077E-09	7.077E-09	7.060E-09	1.085E-02	1.086E-02	1.091E-02	1.095E-02	1.119E-06
1.073E-07									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.057E+00	1.761E+01	1.760E+01	1.760E+01	0.000E+00	2.113E+01	2.113E+01	2.113E+01	6.931E-02
2.5	1.921E-01	3.201E+00	3.199E+00	3.199E+00	0.000E+00	4.575E+00	4.575E+00	4.575E+00	1.348E-01
3.5	8.428E-02	1.404E+00	1.404E+00	1.404E+00	0.000E+00	2.171E+00	2.171E+00	2.171E+00	1.888E-01
4.5	4.818E-02	8.029E-01	8.025E-01	8.025E-01	0.000E+00	1.311E+00	1.311E+00	1.311E+00	2.282E-01
7.5	1.764E-02	2.940E-01	2.939E-01	2.939E-01	0.000E+00	5.244E-01	5.244E-01	5.244E-01	2.840E-01
15.0	5.672E-03	9.452E-02	9.448E-02	9.448E-02	0.000E+00	1.797E-01	1.797E-01	1.797E-01	2.927E-01
25.0	2.504E-03	4.172E-02	4.170E-02	4.170E-02	0.000E+00	8.286E-02	8.286E-02	8.286E-02	2.714E-01
35.0	1.438E-03	2.396E-02	2.395E-02	2.395E-02	0.000E+00	4.956E-02	4.956E-02	4.956E-02	2.520E-01
45.0	9.270E-04	1.545E-02	1.544E-02	1.544E-02	0.000E+00	3.338E-02	3.338E-02	3.338E-02	2.362E-01
55.0	6.468E-04	1.078E-02	1.077E-02	1.077E-02	0.000E+00	2.433E-02	2.433E-02	2.433E-02	2.232E-01
65.0	4.659E-04	7.764E-03	7.760E-03	7.760E-03	0.000E+00	1.838E-02	1.838E-02	1.838E-02	2.122E-01
75.0	3.472E-04	5.785E-03	5.783E-03	5.783E-03	0.000E+00	1.438E-02	1.438E-02	1.438E-02	2.027E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.753E-08	4.587E-07	4.587E-07	4.588E-07
2.5	5.003E-09	8.337E-08	8.337E-08	8.541E-08
3.5	2.195E-09	3.658E-08	3.658E-08	3.963E-08
4.5	1.255E-09	2.091E-08	2.091E-08	2.465E-08
7.5	4.596E-10	7.658E-09	7.658E-09	1.234E-08
15.0	1.477E-10	2.462E-09	2.462E-09	7.305E-09
25.0	6.522E-11	1.087E-09	1.087E-09	5.580E-09
35.0	3.746E-11	6.242E-10	6.241E-10	4.797E-09
45.0	2.415E-11	4.024E-10	4.024E-10	4.314E-09
55.0	1.685E-11	2.807E-10	2.807E-10	3.977E-09
65.0	1.214E-11	2.022E-10	2.022E-10	3.717E-09
75.0	9.043E-12	1.507E-10	1.507E-10	3.508E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.852E-03	0.000E+00	0.000E+00	3.150E-04	0.000E+00	0.000E+00	0.000E+00	4.644E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.312E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.255E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.150E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.112E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.576E-05	1.491E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.265E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.567E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.022E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.861E-05	0.000E+00	2.288E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.062E-06	0.000E+00	0.000E+00	1.284E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.400E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.696E-02	0.000E+00	0.000E+00	3.407E-03	0.000E+00	0.000E+00	0.000E+00	4.448E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.314E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.839E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.021E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.487E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.227E-04	1.366E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.553E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.045E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.058E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.877E-04	0.000E+00	1.919E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.275E-06	0.000E+00	0.000E+00	1.083E-04
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 5.361E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.016E-03	0.000E+00	0.000E+00	3.628E-04	0.000E+00	0.000E+00	0.000E+00	3.546E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.167E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.091E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.049E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.183E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.103E-05	9.492E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.274E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.293E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.412E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.483E-05	0.000E+00	6.515E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.174E-07	0.000E+00	0.000E+00	3.714E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 7.110E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.055E+00 0.000E+00 0.000E+00 8.638E-02 0.000E+00 0.000E+00 0.000E+00
8.118E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.259E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.404E-02 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.661E-02
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.463E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.963E-02 4.839E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.839E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.861E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.012E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.693E-02 0.000E+00
4.095E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.769E-04 0.000E+00 0.000E+00
1.998E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.727E+00 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.287E-03 0.000E+00 0.000E+00 7.082E-05 0.000E+00 0.000E+00 0.000E+00
4.879E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.020E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.126E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.052E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.190E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.905E-06 1.203E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.356E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.449E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.297E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.249E-06 0.000E+00
7.729E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.337E-08 0.000E+00 0.000E+00
4.880E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.545E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.999E-03 0.000E+00 0.000E+00 7.266E-04 0.000E+00 0.000E+00 0.000E+00
7.136E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.818E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.229E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.465E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.993E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.541E-04 4.215E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.160E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
6.942E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.482E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.494E-04 0.000E+00
3.617E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.442E-06 0.000E+00 0.000E+00
1.765E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.061E-02 PERSON-REM/YR
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                              TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       1.453E-04 1.026E-04 7.941E-05 6.539E-05 2.359E-04 3.559E-04 3.242E-04 3.175E-04 3.191E-04 3.262E-04 3.341E-04
3.437E-04
     NNE     1.466E-04 1.143E-04 9.307E-05 7.872E-05 2.877E-04 4.088E-04 3.463E-04 3.220E-04 3.108E-04 3.080E-04 3.072E-04
3.093E-04
     NE      1.098E-04 8.236E-05 6.572E-05 5.494E-05 1.964E-04 2.762E-04 2.401E-04 2.304E-04 2.290E-04 2.324E-04 2.368E-04
2.426E-04
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     ENE     8.577E-05 6.086E-05 4.711E-05 3.867E-05 1.345E-04 1.898E-04 1.710E-04 1.709E-04 1.762E-04 1.844E-04 1.927E-04
2.016E-04
     E       7.011E-05 4.901E-05 3.726E-05 3.029E-05 1.040E-04 1.496E-04 1.414E-04 1.473E-04 1.570E-04 1.683E-04 1.794E-04
1.906E-04
     ESE     6.729E-05 4.525E-05 3.191E-05 2.497E-05 8.364E-05 1.319E-04 1.406E-04 1.570E-04 1.744E-04 1.919E-04 2.084E-04
2.241E-04
     SE      7.022E-05 5.996E-05 5.052E-05 4.298E-05 1.543E-04 2.336E-04 2.382E-04 2.629E-04 2.917E-04 3.215E-04 3.499E-04
3.772E-04
     SSE     1.911E-04 1.533E-04 1.112E-04 8.690E-05 2.706E-04 3.537E-04 3.265E-04 3.479E-04 3.802E-04 4.161E-04 4.511E-04
4.852E-04
     S       5.940E-04 2.512E-04 1.498E-04 1.042E-04 2.915E-04 4.100E-04 4.209E-04 4.755E-04 5.367E-04 5.981E-04 6.562E-04
7.116E-04
     SSW     1.139E-03 3.436E-04 2.047E-04 1.378E-04 3.798E-04 5.354E-04 5.397E-04 6.012E-04 6.717E-04 7.430E-04 8.107E-04
8.753E-04
     SW      4.827E-04 1.377E-04 8.448E-05 5.891E-05 1.859E-04 3.361E-04 3.900E-04 4.577E-04 5.241E-04 5.875E-04 6.467E-04
7.023E-04
     WSW     8.830E-05 3.333E-05 2.316E-05 1.816E-05 7.107E-05 1.567E-04 1.930E-04 2.292E-04 2.633E-04 2.955E-04 3.254E-04
3.535E-04
     W       9.059E-05 2.797E-05 1.795E-05 1.411E-05 5.587E-05 1.232E-04 1.512E-04 1.787E-04 2.046E-04 2.291E-04 2.519E-04
2.734E-04
     WNW     1.067E-04 5.481E-05 3.234E-05 2.337E-05 7.700E-05 1.413E-04 1.609E-04 1.840E-04 2.068E-04 2.290E-04 2.499E-04
2.697E-04
     NW      9.909E-05 6.282E-05 4.432E-05 3.516E-05 1.255E-04 2.094E-04 2.134E-04 2.268E-04 2.426E-04 2.599E-04 2.765E-04
2.930E-04
     NNW     1.234E-04 8.015E-05 5.787E-05 4.604E-05 1.640E-04 2.673E-04 2.614E-04 2.676E-04 2.775E-04 2.903E-04 3.030E-04
3.164E-04

                TOTAL DOSE COMMITMENT IS 4.549E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                 XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION      1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.734E-03 1.225E-03 9.470E-04 7.790E-04 2.800E-03 4.180E-03 3.760E-03 3.645E-03 3.632E-03 3.688E-03 3.754E-03
3.844E-03
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NNE	1.750E-03	1.365E-03	1.110E-03	9.385E-04	3.421E-03	4.826E-03	4.047E-03	3.729E-03	3.570E-03	3.513E-03	3.481E-03	3.486E-03
NE	1.311E-03	9.829E-04	7.838E-04	6.547E-04	2.333E-03	3.248E-03	2.790E-03	2.650E-03	2.610E-03	2.632E-03	2.665E-03	2.718E-03
ENE	1.024E-03	7.262E-04	5.616E-04	4.606E-04	1.595E-03	2.220E-03	1.969E-03	1.946E-03	1.989E-03	2.068E-03	2.151E-03	2.241E-03
E	8.369E-04	5.847E-04	4.441E-04	3.605E-04	1.230E-03	1.739E-03	1.615E-03	1.663E-03	1.758E-03	1.875E-03	1.990E-03	2.107E-03
ESE	8.034E-04	5.398E-04	3.801E-04	2.967E-04	9.846E-04	1.516E-03	1.587E-03	1.755E-03	1.937E-03	2.123E-03	2.298E-03	2.467E-03
SE	8.383E-04	7.154E-04	6.019E-04	5.112E-04	1.820E-03	2.692E-03	2.691E-03	2.937E-03	3.237E-03	3.553E-03	3.856E-03	4.149E-03
SSE	2.282E-03	1.830E-03	1.326E-03	1.035E-03	3.202E-03	4.099E-03	3.701E-03	3.894E-03	4.225E-03	4.603E-03	4.974E-03	5.339E-03
S	7.092E-03	2.999E-03	1.786E-03	1.240E-03	3.437E-03	4.707E-03	4.724E-03	5.282E-03	5.928E-03	6.585E-03	7.209E-03	7.806E-03
SSW	1.360E-02	4.102E-03	2.442E-03	1.640E-03	4.479E-03	6.154E-03	6.068E-03	6.687E-03	7.427E-03	8.188E-03	8.913E-03	9.608E-03
SW	5.764E-03	1.643E-03	1.006E-03	6.990E-04	2.172E-03	3.812E-03	4.346E-03	5.061E-03	5.772E-03	6.456E-03	7.094E-03	7.696E-03
WSW	1.054E-03	3.974E-04	2.752E-04	2.147E-04	8.252E-04	1.773E-03	2.152E-03	2.538E-03	2.903E-03	3.250E-03	3.573E-03	3.877E-03
W	1.082E-03	3.334E-04	2.131E-04	1.667E-04	6.486E-04	1.394E-03	1.686E-03	1.979E-03	2.257E-03	2.521E-03	2.767E-03	2.999E-03
WNW	1.273E-03	6.539E-04	3.850E-04	2.773E-04	9.014E-04	1.613E-03	1.807E-03	2.048E-03	2.290E-03	2.527E-03	2.751E-03	2.964E-03
NW	1.183E-03	7.494E-04	5.280E-04	4.181E-04	1.481E-03	2.429E-03	2.437E-03	2.562E-03	2.720E-03	2.898E-03	3.070E-03	3.242E-03
NNW	1.473E-03	9.564E-04	6.898E-04	5.479E-04	1.941E-03	3.120E-03	3.009E-03	3.048E-03	3.136E-03	3.260E-03	3.384E-03	3.519E-03

TOTAL DOSE COMMITMENT IS 5.164E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 25
METSET: DATA: AZTP3R.MIL 01/26/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       7.193E-06 5.084E-06 3.938E-06 3.246E-06 1.177E-05 1.800E-05 1.664E-05 1.650E-05 1.675E-05 1.726E-05 1.779E-05
1.840E-05
     NNE     7.260E-06 5.664E-06 4.613E-06 3.905E-06 1.431E-05 2.053E-05 1.761E-05 1.656E-05 1.614E-05 1.613E-05 1.620E-05
1.641E-05
     NE      5.439E-06 4.080E-06 3.258E-06 2.727E-06 9.788E-06 1.394E-05 1.230E-05 1.195E-05 1.199E-05 1.227E-05 1.259E-05
1.297E-05
     ENE     4.247E-06 3.016E-06 2.337E-06 1.921E-06 6.722E-06 9.644E-06 8.852E-06 8.968E-06 9.339E-06 9.840E-06 1.034E-05
1.087E-05
     E       3.472E-06 2.429E-06 1.849E-06 1.506E-06 5.209E-06 7.654E-06 7.389E-06 7.807E-06 8.394E-06 9.055E-06 9.696E-06
1.033E-05
     ESE     3.332E-06 2.243E-06 1.585E-06 1.243E-06 4.216E-06 6.843E-06 7.453E-06 8.417E-06 9.414E-06 1.040E-05 1.133E-05
1.221E-05
     SE      3.477E-06 2.972E-06 2.508E-06 2.139E-06 7.757E-06 1.208E-05 1.261E-05 1.410E-05 1.575E-05 1.744E-05 1.904E-05
2.057E-05
     SSE     9.463E-06 7.594E-06 5.515E-06 4.316E-06 1.355E-05 1.818E-05 1.722E-05 1.861E-05 2.051E-05 2.255E-05 2.453E-05
2.645E-05
     S       2.941E-05 1.244E-05 7.427E-06 5.179E-06 1.466E-05 2.131E-05 2.244E-05 2.566E-05 2.914E-05 3.258E-05 3.583E-05
3.891E-05
     SSW     5.638E-05 1.702E-05 1.015E-05 6.848E-06 1.910E-05 2.778E-05 2.873E-05 3.239E-05 3.642E-05 4.044E-05 4.423E-05
4.784E-05
     SW      2.390E-05 6.824E-06 4.197E-06 2.940E-06 9.461E-06 1.771E-05 2.097E-05 2.482E-05 2.854E-05 3.207E-05 3.536E-05
3.845E-05
     WSW     4.372E-06 1.653E-06 1.154E-06 9.108E-07 3.644E-06 8.284E-06 1.037E-05 1.241E-05 1.432E-05 1.611E-05 1.778E-05
1.934E-05
     W       4.486E-06 1.388E-06 8.945E-07 7.083E-07 2.865E-06 6.508E-06 8.115E-06 9.666E-06 1.112E-05 1.248E-05 1.376E-05
1.495E-05
     WNW     5.281E-06 2.717E-06 1.607E-06 1.166E-06 3.908E-06 7.388E-06 8.575E-06 9.900E-06 1.119E-05 1.244E-05 1.361E-05
1.472E-05
     NW      4.907E-06 3.114E-06 2.201E-06 1.750E-06 6.308E-06 1.075E-05 1.116E-05 1.201E-05 1.296E-05 1.396E-05 1.492E-05
1.587E-05
     NNW     6.111E-06 3.972E-06 2.872E-06 2.289E-06 8.214E-06 1.362E-05 1.354E-05 1.403E-05 1.469E-05 1.548E-05 1.625E-05
1.704E-05

                TOTAL DOSE COMMITMENT IS 2.395E-03 PERSON-REM/YR

                                         WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                          ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                          FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                          BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                          TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: AZTP3R.MIL                   01/26/08

                             TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.852E-05	6.254E-05	4.840E-05	3.986E-05	1.439E-04	2.178E-04	1.989E-04	1.953E-04	1.966E-04	2.013E-04	2.065E-04	2.127E-04
NNE	8.934E-05	6.968E-05	5.673E-05	4.798E-05	1.755E-04	2.498E-04	2.121E-04	1.977E-04	1.911E-04	1.897E-04	1.895E-04	1.910E-04
NE	6.693E-05	5.019E-05	4.005E-05	3.349E-05	1.198E-04	1.689E-04	1.473E-04	1.417E-04	1.410E-04	1.434E-04	1.463E-04	1.501E-04
ENE	5.227E-05	3.709E-05	2.871E-05	2.358E-05	8.212E-05	1.162E-04	1.051E-04	1.053E-04	1.088E-04	1.140E-04	1.193E-04	1.249E-04
E	4.272E-05	2.987E-05	2.271E-05	1.847E-05	6.350E-05	9.171E-05	8.704E-05	9.096E-05	9.711E-05	1.042E-04	1.112E-04	1.182E-04
ESE	4.101E-05	2.758E-05	1.946E-05	1.523E-05	5.114E-05	8.110E-05	8.683E-05	9.718E-05	1.081E-04	1.190E-04	1.293E-04	1.392E-04
SE	4.279E-05	3.655E-05	3.080E-05	2.622E-05	9.429E-05	1.435E-04	1.471E-04	1.627E-04	1.808E-04	1.994E-04	2.172E-04	2.342E-04
SSE	1.165E-04	9.342E-05	6.779E-05	5.298E-05	1.652E-04	2.171E-04	2.014E-04	2.152E-04	2.356E-04	2.581E-04	2.799E-04	3.013E-04
S	3.619E-04	1.531E-04	9.128E-05	6.354E-05	1.782E-04	2.522E-04	2.602E-04	2.947E-04	3.330E-04	3.713E-04	4.076E-04	4.421E-04
SSW	6.939E-04	2.094E-04	1.248E-04	8.401E-05	2.321E-04	3.292E-04	3.335E-04	3.724E-04	4.166E-04	4.612E-04	5.035E-04	5.438E-04
SW	2.941E-04	8.392E-05	5.151E-05	3.595E-05	1.139E-04	2.073E-04	2.415E-04	2.839E-04	3.254E-04	3.649E-04	4.018E-04	4.365E-04
WSW	5.381E-05	2.032E-05	1.413E-05	1.109E-05	4.360E-05	9.671E-05	1.195E-04	1.421E-04	1.634E-04	1.835E-04	2.021E-04	2.197E-04
W	5.520E-05	1.705E-05	1.095E-05	8.622E-06	3.427E-05	7.602E-05	9.357E-05	1.108E-04	1.270E-04	1.423E-04	1.565E-04	1.699E-04
WNW	6.499E-05	3.341E-05	1.972E-05	1.426E-05	4.714E-05	8.700E-05	9.945E-05	1.139E-04	1.282E-04	1.421E-04	1.551E-04	1.675E-04
NW	6.038E-05	3.829E-05	2.702E-05	2.145E-05	7.670E-05	1.285E-04	1.314E-04	1.400E-04	1.500E-04	1.609E-04	1.713E-04	1.817E-04
NNW	7.520E-05	4.885E-05	3.528E-05	2.808E-05	1.002E-04	1.638E-04	1.607E-04	1.649E-04	1.713E-04	1.795E-04	1.875E-04	1.960E-04

TOTAL DOSE COMMITMENT IS 2.805E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.993E-06	4.931E-06	3.805E-06	3.120E-06	1.107E-05	1.594E-05	1.372E-05	1.279E-05	1.232E-05	1.216E-05	1.208E-05	1.211E-05
NNE	7.058E-06	5.498E-06	4.467E-06	3.767E-06	1.362E-05	1.874E-05	1.518E-05	1.353E-05	1.255E-05	1.202E-05	1.160E-05	1.136E-05
NE	5.287E-06	3.958E-06	3.150E-06	2.624E-06	9.251E-06	1.246E-05	1.024E-05	9.360E-06	8.915E-06	8.739E-06	8.631E-06	8.617E-06
ENE	4.128E-06	2.923E-06	2.255E-06	1.842E-06	6.284E-06	8.349E-06	6.998E-06	6.611E-06	6.521E-06	6.599E-06	6.709E-06	6.867E-06
E	3.374E-06	2.352E-06	1.781E-06	1.439E-06	4.811E-06	6.403E-06	5.555E-06	5.453E-06	5.569E-06	5.796E-06	6.036E-06	6.299E-06
ESE	3.239E-06	2.171E-06	1.521E-06	1.179E-06	3.788E-06	5.350E-06	5.200E-06	5.504E-06	5.908E-06	6.356E-06	6.787E-06	7.213E-06
SE	3.379E-06	2.878E-06	2.411E-06	2.035E-06	7.052E-06	9.597E-06	8.843E-06	9.196E-06	9.838E-06	1.060E-05	1.135E-05	1.209E-05
SSE	9.203E-06	7.370E-06	5.328E-06	4.139E-06	1.254E-05	1.491E-05	1.235E-05	1.231E-05	1.292E-05	1.379E-05	1.468E-05	1.559E-05
S	2.861E-05	1.208E-05	7.173E-06	4.952E-06	1.330E-05	1.652E-05	1.512E-05	1.613E-05	1.763E-05	1.929E-05	2.090E-05	2.247E-05
SSW	5.485E-05	1.653E-05	9.808E-06	6.548E-06	1.734E-05	2.170E-05	1.956E-05	2.055E-05	2.221E-05	2.409E-05	2.592E-05	2.773E-05
SW	2.325E-05	6.612E-06	4.022E-06	2.761E-06	8.130E-06	1.275E-05	1.346E-05	1.513E-05	1.693E-05	1.872E-05	2.042E-05	2.203E-05
WSW	4.251E-06	1.595E-06	1.093E-06	8.379E-07	3.022E-06	5.864E-06	6.677E-06	7.631E-06	8.568E-06	9.478E-06	1.033E-05	1.114E-05
W	4.361E-06	1.337E-06	8.448E-07	6.493E-07	2.373E-06	4.624E-06	5.256E-06	5.975E-06	6.683E-06	7.372E-06	8.018E-06	8.633E-06
WNW	5.134E-06	2.630E-06	1.538E-06	1.095E-06	3.401E-06	5.541E-06	5.794E-06	6.318E-06	6.893E-06	7.487E-06	8.052E-06	8.601E-06
NW	4.769E-06	3.014E-06	2.114E-06	1.664E-06	5.747E-06	8.862E-06	8.372E-06	8.428E-06	8.661E-06	9.009E-06	9.358E-06	9.737E-06
NNW	5.940E-06	3.849E-06	2.766E-06	2.187E-06	7.600E-06	1.165E-05	1.068E-05	1.038E-05	1.032E-05	1.045E-05	1.060E-05	1.082E-05

TOTAL DOSE COMMITMENT IS 1.733E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: AZTP3R.MIL 01/26/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	9.739E-05	6.862E-05	5.285E-05	4.323E-05	1.520E-04	2.127E-04	1.763E-04	1.586E-04	1.478E-04	1.416E-04	1.368E-04	1.339E-04
NNE	9.831E-05	7.652E-05	6.210E-05	5.230E-05	1.880E-04	2.537E-04	1.998E-04	1.730E-04	1.560E-04	1.454E-04	1.367E-04	1.305E-04
NE	7.363E-05	5.507E-05	4.377E-05	3.639E-05	1.272E-04	1.669E-04	1.323E-04	1.168E-04	1.076E-04	1.025E-04	9.852E-05	9.601E-05
ENE	5.749E-05	4.066E-05	3.130E-05	2.550E-05	8.601E-05	1.101E-04	8.780E-05	7.939E-05	7.544E-05	7.405E-05	7.331E-05	7.339E-05
E	4.698E-05	3.271E-05	2.470E-05	1.988E-05	6.549E-05	8.293E-05	6.758E-05	6.310E-05	6.197E-05	6.264E-05	6.368E-05	6.521E-05
ESE	4.510E-05	3.018E-05	2.107E-05	1.624E-05	5.089E-05	6.668E-05	6.013E-05	6.054E-05	6.278E-05	6.594E-05	6.911E-05	7.242E-05
SE	4.706E-05	4.001E-05	3.342E-05	2.808E-05	9.528E-05	1.208E-04	1.026E-04	1.010E-04	1.041E-04	1.094E-04	1.149E-04	1.208E-04
SSE	1.282E-04	1.026E-04	7.400E-05	5.731E-05	1.708E-04	1.910E-04	1.456E-04	1.367E-04	1.378E-04	1.432E-04	1.493E-04	1.563E-04
S	3.986E-04	1.682E-04	9.963E-05	6.847E-05	1.795E-04	2.048E-04	1.703E-04	1.716E-04	1.813E-04	1.942E-04	2.073E-04	2.205E-04
SSW	7.642E-04	2.301E-04	1.362E-04	9.054E-05	2.340E-04	2.704E-04	2.221E-04	2.204E-04	2.299E-04	2.439E-04	2.583E-04	2.732E-04
SW	3.239E-04	9.196E-05	5.567E-05	3.788E-05	1.068E-04	1.506E-04	1.457E-04	1.567E-04	1.708E-04	1.858E-04	2.004E-04	2.145E-04
WSW	5.921E-05	2.214E-05	1.505E-05	1.138E-05	3.896E-05	6.850E-05	7.251E-05	7.961E-05	8.715E-05	9.481E-05	1.021E-04	1.091E-04
W	6.073E-05	1.856E-05	1.162E-05	8.806E-06	3.058E-05	5.417E-05	5.736E-05	6.264E-05	6.826E-05	7.401E-05	7.946E-05	8.475E-05
WNW	7.150E-05	3.656E-05	2.127E-05	1.502E-05	4.497E-05	6.729E-05	6.541E-05	6.810E-05	7.201E-05	7.654E-05	8.097E-05	8.543E-05
NW	6.641E-05	4.191E-05	2.930E-05	2.294E-05	7.773E-05	1.139E-04	1.017E-04	9.787E-05	9.695E-05	9.801E-05	9.937E-05	1.014E-04
NNW	8.272E-05	5.353E-05	3.837E-05	3.022E-05	1.035E-04	1.528E-04	1.338E-04	1.249E-04	1.199E-04	1.178E-04	1.164E-04	1.162E-04

TOTAL DOSE COMMITMENT IS 2.055E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.400E-03	5.361E-02	7.110E-03	8.365E-03	4.764E-03	1.727E+00
GROUND	1.545E-03	1.545E-03	1.545E-03	1.545E-03	1.545E-03	1.545E-03
CLOUD	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02
VEG. ING	1.524E-02	1.730E-01	1.524E-02	5.282E-02	4.198E-02	1.524E-02
MEAT ING	1.396E-04	1.635E-03	1.396E-04	4.825E-04	3.869E-04	1.396E-04
MILK ING	9.011E-05	1.069E-03	9.011E-05	2.591E-04	2.117E-04	9.011E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.203E-02	2.414E-01	3.474E-02	7.408E-02	5.950E-02	1.755E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	3.025E-02	3.434E-01	3.025E-02	1.049E-01	8.333E-02	3.025E-02
MEAT ING	2.255E-03	2.642E-02	2.255E-03	7.796E-03	6.251E-03	2.255E-03
MILK ING	1.642E-03	1.948E-02	1.642E-03	4.723E-03	3.858E-03	1.642E-03
RNPLUS50	1.730E+00	2.321E+01	3.798E-01	1.730E+00	1.730E+00	1.097E+01
TOTALS	1.764E+00	2.360E+01	4.140E-01	1.848E+00	1.824E+00	1.101E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.400E-03	5.361E-02	7.110E-03	8.365E-03	4.764E-03	1.727E+00
GROUND	1.545E-03	1.545E-03	1.545E-03	1.545E-03	1.545E-03	1.545E-03
CLOUD	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02
VEG. ING	4.549E-02	5.164E-01	4.549E-02	1.577E-01	1.253E-01	4.549E-02
MEAT ING	2.395E-03	2.805E-02	2.395E-03	8.279E-03	6.638E-03	2.395E-03

MILK ING	1.733E-03	2.055E-02	1.733E-03	4.982E-03	4.070E-03	1.733E-03
RNPLUS50	1.730E+00	2.321E+01	3.798E-01	1.730E+00	1.730E+00	1.097E+01
TOTALS	1.797E+00	2.384E+01	4.487E-01	1.922E+00	1.883E+00	1.276E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	7.080E-08	1.180E-06	1.180E-06	1.177E-06	2.718E-02	4.529E-01	4.527E-01	4.527E-01
1	White Mesa Community	4	1.835E-08	3.058E-07	3.058E-07	3.051E-07	6.163E-02	1.027E+00	1.026E+00	1.026E+00
	CONCENTRATION TOTALS		8.915E-08	1.486E-06	1.485E-06	1.482E-06	8.881E-02	1.480E+00	1.479E+00	1.479E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	3.255E-07	5.424E-06	5.424E-06	5.412E-06	1.250E-01	2.082E+00	2.082E+00	2.082E+00
2	BHV-1	4	2.816E-07	4.693E-06	4.693E-06	4.682E-06	9.458E-01	1.576E+01	1.575E+01	1.575E+01
	CONCENTRATION TOTALS		6.072E-07	1.012E-05	1.012E-05	1.009E-05	1.071E+00	1.784E+01	1.784E+01	1.784E+01
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	9.677E-08	1.613E-06	1.613E-06	1.609E-06	3.715E-02	6.191E-01	6.188E-01	6.188E-01
3	BHV-2	4	6.635E-08	1.106E-06	1.106E-06	1.103E-06	2.228E-01	3.713E+00	3.712E+00	3.712E+00
	CONCENTRATION TOTALS		1.631E-07	2.718E-06	2.718E-06	2.712E-06	2.600E-01	4.332E+00	4.331E+00	4.331E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    2.369E-07    3.947E-06    3.947E-06    3.938E-06    9.093E-02    1.515E+00    1.515E+00
1.515E+00
  4  Nearest Resident      4    1.928E-07    3.213E-06    3.213E-06    3.206E-06    6.476E-01    1.079E+01    1.079E+01
1.079E+01
    CONCENTRATION TOTALS        4.297E-07    7.160E-06    7.160E-06    7.143E-06    7.385E-01    1.231E+01    1.230E+01
1.230E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    3.223E-08    5.370E-07    5.370E-07    5.358E-07    1.237E-02    2.062E-01    2.061E-01
2.061E-01
  5  Blanding              4    1.858E-08    3.095E-07    3.095E-07    3.088E-07    6.238E-02    1.040E+00    1.039E+00
1.039E+00
    CONCENTRATION TOTALS        5.080E-08    8.466E-07    8.465E-07    8.446E-07    7.476E-02    1.246E+00    1.245E+00
1.245E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    1.428E-06    2.380E-05    2.380E-05    2.375E-05    5.484E-01    9.138E+00    9.134E+00
9.134E+00
  6  Graz Loc 1            4    1.498E-06    2.496E-05    2.496E-05    2.491E-05    5.031E+00    8.384E+01    8.380E+01
8.380E+01
    CONCENTRATION TOTALS        2.927E-06    4.877E-05    4.877E-05    4.865E-05    5.580E+00    9.298E+01    9.294E+01
9.294E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    1.506E-06    2.509E-05    2.509E-05    2.503E-05    5.781E-01    9.633E+00    9.629E+00
9.629E+00
  7  Graz Loc 2            4    8.108E-07    1.351E-05    1.351E-05    1.348E-05    2.723E+00    4.537E+01    4.535E+01
4.535E+01
    CONCENTRATION TOTALS        2.317E-06    3.860E-05    3.860E-05    3.851E-05    3.301E+00    5.501E+01    5.498E+01
5.498E+01
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1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: AZTP3R.MIL                   01/26/08
                           TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	5.941E-01	5.939E-01	4.853E-01	4.013E-01	2.542E-06	1.726E-08	3.082E-12	4.569E-06	4.704E-01	4.704E-01	4.704E-01	4.603E-01
2	1.488E+00	1.398E+00	6.944E-01	4.029E-01	6.505E-07	1.228E-09	6.552E-14	6.464E-06	1.108E+00	1.108E+00	1.108E+00	1.178E-01
3	5.117E-01	5.071E-01	3.532E-01	2.708E-01	1.094E-06	4.767E-09	5.576E-13	3.323E-06	4.017E-01	4.017E-01	4.017E-01	1.982E-01
4	1.097E+00	1.057E+00	5.862E-01	3.790E-01	8.126E-07	1.995E-09	1.374E-13	5.474E-06	8.371E-01	8.371E-01	8.371E-01	1.472E-01
5	2.009E-01	2.009E-01	1.707E-01	1.465E-01	1.308E-06	1.277E-08	3.376E-12	1.619E-06	1.591E-01	1.591E-01	1.591E-01	2.369E-01
6	5.690E+00	4.737E+00	1.463E+00	5.054E-01	3.124E-07	2.335E-10	5.038E-15	1.418E-05	3.752E+00	3.752E+00	3.752E+00	5.657E-02
7	8.542E+00	7.609E+00	2.687E+00	9.943E-01	6.658E-07	5.354E-10	1.238E-14	2.517E-05	6.027E+00	6.027E+00	6.027E+00	1.206E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.23E-03	1.88E-02	1.25E-02	6.16E-03	5.13E-03	0.00E+00
INFANT	GROUND	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06
INFANT	CLOUD	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.00E-04	2.10E-03	1.18E-03	1.18E-03	1.07E-03	0.00E+00
INFANT	TOTALS	4.83E-03	2.09E-02	1.37E-02	7.35E-03	6.20E-03	4.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.74E-03	1.31E-02	5.52E-03	2.34E-03	1.63E-03	0.00E+00
CHILD	GROUND	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06
CHILD	CLOUD	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11
CHILD	VEG. ING	1.42E-03	7.16E-03	6.28E-03	6.28E-03	4.64E-03	0.00E+00
CHILD	MEAT ING	4.14E-05	2.07E-04	1.99E-04	1.99E-04	1.46E-04	0.00E+00
CHILD	MILK ING	8.01E-05	5.52E-04	2.68E-04	2.68E-04	2.02E-04	0.00E+00
CHILD	TOTALS	3.29E-03	2.10E-02	1.23E-02	9.10E-03	6.62E-03	4.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.18E-03	1.55E-02	2.82E-03	1.06E-03	8.45E-04	0.00E+00
TEENAGE	GROUND	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06
TEENAGE	CLOUD	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11
TEENAGE	VEG. ING	2.34E-03	3.80E-02	5.61E-03	5.61E-03	4.73E-03	0.00E+00
TEENAGE	MEAT ING	6.56E-05	1.07E-03	1.74E-04	1.74E-04	1.45E-04	0.00E+00
TEENAGE	MILK ING	1.18E-04	2.47E-03	1.72E-04	1.72E-04	1.55E-04	0.00E+00
TEENAGE	TOTALS	3.71E-03	5.70E-02	8.78E-03	7.02E-03	5.88E-03	4.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.06E-03	1.36E-02	2.30E-03	8.08E-04	5.97E-04	0.00E+00
ADULT	GROUND	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06
ADULT	CLOUD	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11	9.10E-11
ADULT	VEG. ING	1.33E-03	1.62E-02	3.66E-03	3.66E-03	3.01E-03	0.00E+00
ADULT	MEAT ING	4.80E-05	5.90E-04	1.43E-04	1.43E-04	1.18E-04	0.00E+00
ADULT	MILK ING	2.28E-05	3.47E-04	4.26E-05	4.26E-05	3.68E-05	0.00E+00
ADULT	TOTALS	2.47E-03	3.08E-02	6.15E-03	4.66E-03	3.77E-03	4.94E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.92E-02	2.02E-02	1.26E-02	1.33E-02	7.89E-03	7.43E-01
INFANT	GROUND	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04
INFANT	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.59E-04	2.21E-03	1.40E-03	1.40E-03	1.26E-03	0.00E+00
INFANT	TOTALS	5.48E-02	2.73E-02	1.89E-02	1.95E-02	1.40E-02	7.48E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.65E-02	1.41E-02	5.58E-03	5.51E-03	2.93E-03	7.43E-01
CHILD	GROUND	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04
CHILD	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
CHILD	VEG. ING	1.65E-03	8.20E-03	7.52E-03	7.52E-03	5.54E-03	0.00E+00
CHILD	MEAT ING	4.88E-05	2.41E-04	2.38E-04	2.38E-04	1.75E-04	0.00E+00
CHILD	MILK ING	8.95E-05	5.94E-04	3.18E-04	3.18E-04	2.39E-04	0.00E+00

CHILD	TOTALS	5.32E-02	2.80E-02	1.85E-02	1.84E-02	1.38E-02	7.48E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.60E-02	1.81E-02	2.84E-03	2.41E-03	1.50E-03	7.43E-01
TEENAGE	GROUND	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04
TEENAGE	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
TEENAGE	VEG. ING	2.68E-03	4.30E-02	6.71E-03	6.71E-03	5.64E-03	0.00E+00
TEENAGE	MEAT ING	7.65E-05	1.23E-03	2.08E-04	2.08E-04	1.74E-04	0.00E+00
TEENAGE	MILK ING	1.28E-04	2.62E-03	2.04E-04	2.04E-04	1.82E-04	0.00E+00
TEENAGE	TOTALS	5.37E-02	6.98E-02	1.48E-02	1.44E-02	1.24E-02	7.48E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.58E-02	1.51E-02	2.32E-03	1.94E-03	1.14E-03	7.43E-01
ADULT	GROUND	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04	3.54E-04
ADULT	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
ADULT	VEG. ING	1.54E-03	1.86E-02	4.37E-03	4.37E-03	3.60E-03	0.00E+00
ADULT	MEAT ING	5.63E-05	6.86E-04	1.72E-04	1.72E-04	1.41E-04	0.00E+00
ADULT	MILK ING	2.51E-05	3.74E-04	5.06E-05	5.06E-05	4.34E-05	0.00E+00
ADULT	TOTALS	5.23E-02	3.97E-02	1.18E-02	1.14E-02	9.79E-03	7.48E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.42E-02	1.13E-01	5.78E-02	4.13E-02	3.41E-02	0.00E+00
INFANT	GROUND	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05
INFANT	CLOUD	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.24E-03	2.53E-02	1.43E-02	1.43E-02	1.29E-02	0.00E+00
INFANT	TOTALS	3.15E-02	1.38E-01	7.21E-02	5.56E-02	4.71E-02	5.96E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.71E-03	7.78E-02	2.54E-02	1.57E-02	1.09E-02	0.00E+00
CHILD	GROUND	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05
CHILD	CLOUD	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10
CHILD	VEG. ING	1.72E-02	8.63E-02	7.58E-02	7.58E-02	5.59E-02	0.00E+00
CHILD	MEAT ING	4.99E-04	2.50E-03	2.39E-03	2.39E-03	1.76E-03	0.00E+00

CHILD	MILK ING	9.66E-04	6.65E-03	3.23E-03	3.23E-03	2.44E-03	0.00E+00
CHILD	TOTALS	2.84E-02	1.73E-01	1.07E-01	9.72E-02	7.11E-02	5.96E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.67E-03	9.40E-02	1.30E-02	7.11E-03	5.63E-03	0.00E+00
TEENAGE	GROUND	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05
TEENAGE	CLOUD	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10
TEENAGE	VEG. ING	2.82E-02	4.58E-01	6.76E-02	6.76E-02	5.70E-02	0.00E+00
TEENAGE	MEAT ING	7.91E-04	1.29E-02	2.09E-03	2.09E-03	1.75E-03	0.00E+00
TEENAGE	MILK ING	1.42E-03	2.98E-02	2.07E-03	2.07E-03	1.87E-03	0.00E+00
TEENAGE	TOTALS	3.71E-02	5.94E-01	8.49E-02	7.90E-02	6.63E-02	5.96E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.91E-03	8.12E-02	1.06E-02	5.42E-03	3.98E-03	0.00E+00
ADULT	GROUND	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05	5.96E-05
ADULT	CLOUD	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10	6.20E-10
ADULT	VEG. ING	1.61E-02	1.95E-01	4.41E-02	4.41E-02	3.64E-02	0.00E+00
ADULT	MEAT ING	5.78E-04	7.11E-03	1.73E-03	1.73E-03	1.42E-03	0.00E+00
ADULT	MILK ING	2.75E-04	4.18E-03	5.14E-04	5.14E-04	4.44E-04	0.00E+00
ADULT	TOTALS	2.29E-02	2.88E-01	5.70E-02	5.18E-02	4.23E-02	5.96E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.36E-01	1.13E-01	5.78E-02	4.31E-02	3.48E-02	1.86E+00
INFANT	GROUND	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03
INFANT	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.26E-03	2.53E-02	1.43E-02	1.43E-02	1.30E-02	0.00E+00
INFANT	TOTALS	1.51E-01	1.47E-01	8.04E-02	6.57E-02	5.61E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.21E-01	7.80E-02	2.55E-02	1.65E-02	1.12E-02	1.86E+00
CHILD	GROUND	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03

CHILD	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
CHILD	VEG. ING	1.72E-02	8.66E-02	7.61E-02	7.61E-02	5.62E-02	0.00E+00
CHILD	MEAT ING	5.01E-04	2.51E-03	2.40E-03	2.40E-03	1.77E-03	0.00E+00
CHILD	MILK ING	9.69E-04	6.66E-03	3.24E-03	3.24E-03	2.45E-03	0.00E+00
CHILD	TOTALS	1.48E-01	1.82E-01	1.15E-01	1.07E-01	7.99E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.18E-01	9.46E-02	1.30E-02	7.45E-03	5.80E-03	1.86E+00
TEENAGE	GROUND	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03
TEENAGE	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
TEENAGE	VEG. ING	2.82E-02	4.59E-01	6.79E-02	6.79E-02	5.72E-02	0.00E+00
TEENAGE	MEAT ING	7.94E-04	1.29E-02	2.10E-03	2.10E-03	1.76E-03	0.00E+00
TEENAGE	MILK ING	1.42E-03	2.98E-02	2.08E-03	2.08E-03	1.88E-03	0.00E+00
TEENAGE	TOTALS	1.57E-01	6.05E-01	9.34E-02	8.78E-02	7.49E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.18E-01	8.16E-02	1.06E-02	5.71E-03	4.12E-03	1.86E+00
ADULT	GROUND	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03	3.45E-03
ADULT	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
ADULT	VEG. ING	1.61E-02	1.96E-01	4.43E-02	4.43E-02	3.65E-02	0.00E+00
ADULT	MEAT ING	5.81E-04	7.13E-03	1.74E-03	1.74E-03	1.42E-03	0.00E+00
ADULT	MILK ING	2.75E-04	4.19E-03	5.16E-04	5.16E-04	4.46E-04	0.00E+00
ADULT	TOTALS	1.43E-01	2.97E-01	6.54E-02	6.05E-02	5.08E-02	1.87E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.77E-03	3.12E-02	1.72E-02	1.11E-02	9.22E-03	0.00E+00
INFANT	GROUND	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05
INFANT	CLOUD	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.76E-03	6.14E-03	3.46E-03	3.46E-03	3.14E-03	0.00E+00
INFANT	TOTALS	8.54E-03	3.74E-02	2.06E-02	1.46E-02	1.24E-02	1.45E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.73E-03	2.16E-02	7.56E-03	4.24E-03	2.94E-03	0.00E+00

CHILD	GROUND	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05
CHILD	CLOUD	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10
CHILD	VEG. ING	4.17E-03	2.10E-02	1.84E-02	1.84E-02	1.36E-02	0.00E+00
CHILD	MEAT ING	1.21E-04	6.06E-04	5.81E-04	5.81E-04	4.28E-04	0.00E+00
CHILD	MILK ING	2.35E-04	1.61E-03	7.84E-04	7.84E-04	5.92E-04	0.00E+00
CHILD	TOTALS	7.27E-03	4.48E-02	2.73E-02	2.40E-02	1.76E-02	1.45E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.87E-03	2.59E-02	3.86E-03	1.92E-03	1.52E-03	0.00E+00
TEENAGE	GROUND	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05
TEENAGE	CLOUD	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10
TEENAGE	VEG. ING	6.84E-03	1.11E-01	1.64E-02	1.64E-02	1.38E-02	0.00E+00
TEENAGE	MEAT ING	1.92E-04	3.13E-03	5.08E-04	5.08E-04	4.25E-04	0.00E+00
TEENAGE	MILK ING	3.45E-04	7.24E-03	5.04E-04	5.04E-04	4.55E-04	0.00E+00
TEENAGE	TOTALS	9.26E-03	1.47E-01	2.13E-02	1.94E-02	1.63E-02	1.45E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.67E-03	2.25E-02	3.15E-03	1.46E-03	1.07E-03	0.00E+00
ADULT	GROUND	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05	1.45E-05
ADULT	CLOUD	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10	1.66E-10
ADULT	VEG. ING	3.91E-03	4.74E-02	1.07E-02	1.07E-02	8.83E-03	0.00E+00
ADULT	MEAT ING	1.40E-04	1.73E-03	4.20E-04	4.20E-04	3.44E-04	0.00E+00
ADULT	MILK ING	6.67E-05	1.02E-03	1.25E-04	1.25E-04	1.08E-04	0.00E+00
ADULT	TOTALS	5.79E-03	7.27E-02	1.44E-02	1.27E-02	1.04E-02	1.45E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.53E-02	3.18E-02	1.72E-02	1.42E-02	1.04E-02	6.40E-01
INFANT	GROUND	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04
INFANT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.78E-03	6.19E-03	3.56E-03	3.56E-03	3.22E-03	0.00E+00
INFANT	TOTALS	5.11E-02	4.20E-02	2.47E-02	2.17E-02	1.76E-02	6.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.12E-02	2.20E-02	7.58E-03	5.60E-03	3.50E-03	6.40E-01
CHILD	GROUND	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04
CHILD	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
CHILD	VEG. ING	4.27E-03	2.14E-02	1.89E-02	1.89E-02	1.40E-02	0.00E+00
CHILD	MEAT ING	1.24E-04	6.21E-04	5.98E-04	5.98E-04	4.40E-04	0.00E+00
CHILD	MILK ING	2.39E-04	1.63E-03	8.05E-04	8.05E-04	6.08E-04	0.00E+00
CHILD	TOTALS	4.98E-02	4.96E-02	3.19E-02	2.99E-02	2.25E-02	6.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.03E-02	2.70E-02	3.87E-03	2.50E-03	1.80E-03	6.40E-01
TEENAGE	GROUND	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04
TEENAGE	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
TEENAGE	VEG. ING	6.99E-03	1.13E-01	1.69E-02	1.69E-02	1.42E-02	0.00E+00
TEENAGE	MEAT ING	1.97E-04	3.20E-03	5.23E-04	5.23E-04	4.38E-04	0.00E+00
TEENAGE	MILK ING	3.49E-04	7.30E-03	5.17E-04	5.17E-04	4.66E-04	0.00E+00
TEENAGE	TOTALS	5.18E-02	1.55E-01	2.57E-02	2.44E-02	2.09E-02	6.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.01E-02	2.32E-02	3.16E-03	1.95E-03	1.31E-03	6.40E-01
ADULT	GROUND	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04	8.61E-04
ADULT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
ADULT	VEG. ING	4.00E-03	4.85E-02	1.10E-02	1.10E-02	9.08E-03	0.00E+00
ADULT	MEAT ING	1.44E-04	1.77E-03	4.32E-04	4.32E-04	3.54E-04	0.00E+00
ADULT	MILK ING	6.77E-05	1.03E-03	1.28E-04	1.28E-04	1.11E-04	0.00E+00
ADULT	TOTALS	4.83E-02	7.83E-02	1.87E-02	1.75E-02	1.48E-02	6.44E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.73E-02	8.05E-02	4.20E-02	2.93E-02	2.42E-02	0.00E+00
INFANT	GROUND	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05
INFANT	CLOUD	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.99E-03	1.74E-02	9.84E-03	9.84E-03	8.91E-03	0.00E+00
INFANT	TOTALS	2.23E-02	9.80E-02	5.19E-02	3.91E-02	3.31E-02	4.11E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.96E-03	5.55E-02	1.85E-02	1.11E-02	7.71E-03	0.00E+00
CHILD	GROUND	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05
CHILD	CLOUD	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10
CHILD	VEG. ING	1.18E-02	5.95E-02	5.23E-02	5.23E-02	3.86E-02	0.00E+00
CHILD	MEAT ING	3.44E-04	1.72E-03	1.65E-03	1.65E-03	1.21E-03	0.00E+00
CHILD	MILK ING	6.66E-04	4.59E-03	2.23E-03	2.23E-03	1.68E-03	0.00E+00
CHILD	TOTALS	1.98E-02	1.21E-01	7.47E-02	6.73E-02	4.92E-02	4.11E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.78E-03	6.70E-02	9.46E-03	5.03E-03	3.99E-03	0.00E+00
TEENAGE	GROUND	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05
TEENAGE	CLOUD	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10
TEENAGE	VEG. ING	1.94E-02	3.16E-01	4.66E-02	4.66E-02	3.93E-02	0.00E+00
TEENAGE	MEAT ING	5.46E-04	8.88E-03	1.44E-03	1.44E-03	1.21E-03	0.00E+00
TEENAGE	MILK ING	9.80E-04	2.06E-02	1.43E-03	1.43E-03	1.29E-03	0.00E+00
TEENAGE	TOTALS	2.58E-02	4.12E-01	5.90E-02	5.46E-02	4.58E-02	4.11E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.24E-03	5.80E-02	7.71E-03	3.84E-03	2.82E-03	0.00E+00
ADULT	GROUND	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05	4.11E-05
ADULT	CLOUD	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10	4.39E-10
ADULT	VEG. ING	1.11E-02	1.35E-01	3.04E-02	3.04E-02	2.51E-02	0.00E+00
ADULT	MEAT ING	3.99E-04	4.90E-03	1.19E-03	1.19E-03	9.78E-04	0.00E+00
ADULT	MILK ING	1.90E-04	2.88E-03	3.55E-04	3.55E-04	3.06E-04	0.00E+00
ADULT	TOTALS	1.60E-02	2.00E-01	3.97E-02	3.58E-02	2.92E-02	4.11E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.97E-02	8.10E-02	4.21E-02	3.15E-02	2.51E-02	1.37E+00
INFANT	GROUND	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
INFANT	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	5.01E-03	1.75E-02	9.90E-03	9.90E-03	8.97E-03	0.00E+00
INFANT	TOTALS	1.12E-01	1.05E-01	5.88E-02	4.83E-02	4.09E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.93E-02	5.58E-02	1.85E-02	1.22E-02	8.13E-03	1.37E+00
CHILD	GROUND	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
CHILD	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
CHILD	VEG. ING	1.19E-02	5.98E-02	5.26E-02	5.26E-02	3.89E-02	0.00E+00
CHILD	MEAT ING	3.47E-04	1.73E-03	1.66E-03	1.66E-03	1.22E-03	0.00E+00
CHILD	MILK ING	6.69E-04	4.60E-03	2.24E-03	2.24E-03	1.69E-03	0.00E+00
CHILD	TOTALS	1.09E-01	1.29E-01	8.19E-02	7.55E-02	5.67E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.72E-02	6.78E-02	9.46E-03	5.47E-03	4.20E-03	1.37E+00
TEENAGE	GROUND	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
TEENAGE	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
TEENAGE	VEG. ING	1.95E-02	3.17E-01	4.70E-02	4.70E-02	3.96E-02	0.00E+00
TEENAGE	MEAT ING	5.49E-04	8.93E-03	1.46E-03	1.46E-03	1.22E-03	0.00E+00
TEENAGE	MILK ING	9.83E-04	2.06E-02	1.44E-03	1.44E-03	1.30E-03	0.00E+00
TEENAGE	TOTALS	1.15E-01	4.22E-01	6.62E-02	6.22E-02	5.31E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.66E-02	5.84E-02	7.71E-03	4.20E-03	2.99E-03	1.37E+00
ADULT	GROUND	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
ADULT	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
ADULT	VEG. ING	1.12E-02	1.35E-01	3.06E-02	3.06E-02	2.53E-02	0.00E+00
ADULT	MEAT ING	4.02E-04	4.93E-03	1.20E-03	1.20E-03	9.85E-04	0.00E+00
ADULT	MILK ING	1.90E-04	2.89E-03	3.57E-04	3.57E-04	3.08E-04	0.00E+00
ADULT	TOTALS	1.05E-01	2.09E-01	4.67E-02	4.32E-02	3.64E-02	1.38E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.17E-03	9.93E-03	5.71E-03	3.48E-03	2.88E-03	0.00E+00
INFANT	GROUND	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06
INFANT	CLOUD	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.05E-04	1.76E-03	9.96E-04	9.96E-04	9.02E-04	0.00E+00
INFANT	TOTALS	2.68E-03	1.17E-02	6.71E-03	4.48E-03	3.79E-03	4.16E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.80E-04	6.87E-03	2.52E-03	1.32E-03	9.18E-04	0.00E+00
CHILD	GROUND	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06
CHILD	CLOUD	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11
CHILD	VEG. ING	1.20E-03	6.02E-03	5.29E-03	5.29E-03	3.90E-03	0.00E+00
CHILD	MEAT ING	3.48E-05	1.74E-04	1.67E-04	1.67E-04	1.23E-04	0.00E+00
CHILD	MILK ING	6.74E-05	4.64E-04	2.25E-04	2.25E-04	1.70E-04	0.00E+00
CHILD	TOTALS	2.18E-03	1.35E-02	8.20E-03	7.01E-03	5.12E-03	4.16E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.03E-04	8.24E-03	1.29E-03	5.98E-04	4.75E-04	0.00E+00
TEENAGE	GROUND	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06
TEENAGE	CLOUD	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11
TEENAGE	VEG. ING	1.97E-03	3.20E-02	4.72E-03	4.72E-03	3.98E-03	0.00E+00
TEENAGE	MEAT ING	5.52E-05	8.99E-04	1.46E-04	1.46E-04	1.22E-04	0.00E+00
TEENAGE	MILK ING	9.92E-05	2.08E-03	1.45E-04	1.45E-04	1.31E-04	0.00E+00
TEENAGE	TOTALS	2.73E-03	4.32E-02	6.30E-03	5.61E-03	4.71E-03	4.16E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.37E-04	7.16E-03	1.05E-03	4.56E-04	3.36E-04	0.00E+00
ADULT	GROUND	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06	4.16E-06
ADULT	CLOUD	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11	5.18E-11
ADULT	VEG. ING	1.12E-03	1.36E-02	3.08E-03	3.08E-03	2.54E-03	0.00E+00
ADULT	MEAT ING	4.04E-05	4.96E-04	1.21E-04	1.21E-04	9.90E-05	0.00E+00
ADULT	MILK ING	1.92E-05	2.92E-04	3.59E-05	3.59E-05	3.10E-05	0.00E+00
ADULT	TOTALS	1.72E-03	2.16E-02	4.29E-03	3.70E-03	3.01E-03	4.16E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.75E-02	1.06E-02	5.78E-03	7.14E-03	4.30E-03	2.51E-01

INFANT	GROUND	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04
INFANT	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.36E-04	1.82E-03	1.11E-03	1.11E-03	1.00E-03	0.00E+00
INFANT	TOTALS	1.99E-02	1.44E-02	8.78E-03	1.01E-02	7.20E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.61E-02	7.40E-03	2.55E-03	2.95E-03	1.59E-03	2.51E-01
CHILD	GROUND	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04
CHILD	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
CHILD	VEG. ING	1.32E-03	6.56E-03	5.92E-03	5.92E-03	4.37E-03	0.00E+00
CHILD	MEAT ING	3.86E-05	1.92E-04	1.87E-04	1.87E-04	1.38E-04	0.00E+00
CHILD	MILK ING	7.23E-05	4.86E-04	2.51E-04	2.51E-04	1.89E-04	0.00E+00
CHILD	TOTALS	1.94E-02	1.65E-02	1.08E-02	1.12E-02	8.18E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.58E-02	9.56E-03	1.30E-03	1.30E-03	8.10E-04	2.51E-01
TEENAGE	GROUND	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04
TEENAGE	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
TEENAGE	VEG. ING	2.14E-03	3.46E-02	5.29E-03	5.29E-03	4.45E-03	0.00E+00
TEENAGE	MEAT ING	6.08E-05	9.81E-04	1.64E-04	1.64E-04	1.37E-04	0.00E+00
TEENAGE	MILK ING	1.04E-04	2.16E-03	1.61E-04	1.61E-04	1.44E-04	0.00E+00
TEENAGE	TOTALS	2.00E-02	4.92E-02	8.80E-03	8.80E-03	7.43E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.57E-02	7.94E-03	1.06E-03	1.04E-03	6.15E-04	2.51E-01
ADULT	GROUND	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04	2.56E-04
ADULT	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
ADULT	VEG. ING	1.23E-03	1.49E-02	3.45E-03	3.45E-03	2.84E-03	0.00E+00
ADULT	MEAT ING	4.47E-05	5.46E-04	1.35E-04	1.35E-04	1.11E-04	0.00E+00
ADULT	MILK ING	2.04E-05	3.06E-04	4.00E-05	4.00E-05	3.44E-05	0.00E+00
ADULT	TOTALS	1.89E-02	2.56E-02	6.58E-03	6.55E-03	5.49E-03	2.53E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	1.12E-01	5.31E-01	2.54E-01	1.99E-01	1.64E-01	0.00E+00
INFANT	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
INFANT	CLOUD	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.77E-02	1.32E-01	7.43E-02	7.43E-02	6.73E-02	0.00E+00
INFANT	TOTALS	1.50E-01	6.63E-01	3.28E-01	2.73E-01	2.31E-01	3.11E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.49E-02	3.65E-01	1.12E-01	7.56E-02	5.23E-02	0.00E+00
CHILD	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
CHILD	CLOUD	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09
CHILD	VEG. ING	8.94E-02	4.50E-01	3.95E-01	3.95E-01	2.91E-01	0.00E+00
CHILD	MEAT ING	2.60E-03	1.30E-02	1.25E-02	1.25E-02	9.17E-03	0.00E+00
CHILD	MILK ING	5.03E-03	3.47E-02	1.68E-02	1.68E-02	1.27E-02	0.00E+00
CHILD	TOTALS	1.42E-01	8.62E-01	5.36E-01	5.00E-01	3.66E-01	3.11E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.09E-02	4.42E-01	5.71E-02	3.42E-02	2.70E-02	0.00E+00
TEENAGE	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
TEENAGE	CLOUD	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09
TEENAGE	VEG. ING	1.47E-01	2.39E+00	3.52E-01	3.52E-01	2.97E-01	0.00E+00
TEENAGE	MEAT ING	4.12E-03	6.71E-02	1.09E-02	1.09E-02	9.13E-03	0.00E+00
TEENAGE	MILK ING	7.40E-03	1.55E-01	1.08E-02	1.08E-02	9.76E-03	0.00E+00
TEENAGE	TOTALS	1.89E-01	3.05E+00	4.32E-01	4.09E-01	3.43E-01	3.11E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.73E-02	3.81E-01	4.65E-02	2.60E-02	1.91E-02	0.00E+00
ADULT	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
ADULT	CLOUD	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09	2.99E-09
ADULT	VEG. ING	8.38E-02	1.02E+00	2.30E-01	2.30E-01	1.89E-01	0.00E+00
ADULT	MEAT ING	3.01E-03	3.70E-02	9.01E-03	9.01E-03	7.39E-03	0.00E+00
ADULT	MILK ING	1.43E-03	2.18E-02	2.68E-03	2.68E-03	2.32E-03	0.00E+00
ADULT	TOTALS	1.16E-01	1.46E+00	2.88E-01	2.68E-01	2.19E-01	3.11E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.39E-01	5.31E-01	2.54E-01	1.99E-01	1.64E-01	7.11E+00
INFANT	GROUND	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
INFANT	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.77E-02	1.32E-01	7.43E-02	7.43E-02	6.73E-02	0.00E+00
INFANT	TOTALS	6.01E-01	6.87E-01	3.53E-01	2.98E-01	2.56E-01	7.14E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.72E-01	3.65E-01	1.12E-01	7.60E-02	5.24E-02	7.11E+00
CHILD	GROUND	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
CHILD	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
CHILD	VEG. ING	8.95E-02	4.50E-01	3.95E-01	3.95E-01	2.92E-01	0.00E+00
CHILD	MEAT ING	2.60E-03	1.30E-02	1.25E-02	1.25E-02	9.18E-03	0.00E+00
CHILD	MILK ING	5.04E-03	3.47E-02	1.68E-02	1.68E-02	1.27E-02	0.00E+00
CHILD	TOTALS	5.93E-01	8.87E-01	5.61E-01	5.25E-01	3.90E-01	7.14E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.58E-01	4.43E-01	5.71E-02	3.43E-02	2.71E-02	7.11E+00
TEENAGE	GROUND	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
TEENAGE	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
TEENAGE	VEG. ING	1.47E-01	2.39E+00	3.53E-01	3.53E-01	2.97E-01	0.00E+00
TEENAGE	MEAT ING	4.12E-03	6.71E-02	1.09E-02	1.09E-02	9.13E-03	0.00E+00
TEENAGE	MILK ING	7.40E-03	1.55E-01	1.08E-02	1.08E-02	9.76E-03	0.00E+00
TEENAGE	TOTALS	6.40E-01	3.08E+00	4.56E-01	4.33E-01	3.68E-01	7.14E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.54E-01	3.81E-01	4.65E-02	2.62E-02	1.92E-02	7.11E+00
ADULT	GROUND	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02	1.76E-02
ADULT	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
ADULT	VEG. ING	8.38E-02	1.02E+00	2.30E-01	2.30E-01	1.90E-01	0.00E+00
ADULT	MEAT ING	3.02E-03	3.71E-02	9.01E-03	9.01E-03	7.39E-03	0.00E+00
ADULT	MILK ING	1.43E-03	2.18E-02	2.68E-03	2.68E-03	2.32E-03	0.00E+00
ADULT	TOTALS	5.67E-01	1.48E+00	3.13E-01	2.92E-01	2.43E-01	7.14E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.00E-01	4.57E-01	2.67E-01	1.59E-01	1.32E-01	0.00E+00
INFANT	GROUND	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04
INFANT	CLOUD	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.23E-02	7.79E-02	4.40E-02	4.40E-02	3.98E-02	0.00E+00
INFANT	TOTALS	1.23E-01	5.35E-01	3.11E-01	2.03E-01	1.72E-01	1.84E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.06E-02	3.16E-01	1.18E-01	6.04E-02	4.19E-02	0.00E+00
CHILD	GROUND	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04
CHILD	CLOUD	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09
CHILD	VEG. ING	5.29E-02	2.66E-01	2.34E-01	2.34E-01	1.72E-01	0.00E+00
CHILD	MEAT ING	1.54E-03	7.70E-03	7.38E-03	7.38E-03	5.43E-03	0.00E+00
CHILD	MILK ING	2.98E-03	2.05E-02	9.95E-03	9.95E-03	7.52E-03	0.00E+00
CHILD	TOTALS	9.82E-02	6.10E-01	3.69E-01	3.12E-01	2.27E-01	1.84E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.78E-02	3.78E-01	6.00E-02	2.73E-02	2.17E-02	0.00E+00
TEENAGE	GROUND	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04
TEENAGE	CLOUD	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09
TEENAGE	VEG. ING	8.68E-02	1.41E+00	2.08E-01	2.08E-01	1.76E-01	0.00E+00
TEENAGE	MEAT ING	2.44E-03	3.97E-02	6.45E-03	6.45E-03	5.40E-03	0.00E+00
TEENAGE	MILK ING	4.38E-03	9.19E-02	6.39E-03	6.39E-03	5.77E-03	0.00E+00
TEENAGE	TOTALS	1.22E-01	1.92E+00	2.82E-01	2.49E-01	2.09E-01	1.84E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.48E-02	3.29E-01	4.89E-02	2.08E-02	1.53E-02	0.00E+00
ADULT	GROUND	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04	1.84E-04
ADULT	CLOUD	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09	2.36E-09
ADULT	VEG. ING	4.96E-02	6.02E-01	1.36E-01	1.36E-01	1.12E-01	0.00E+00
ADULT	MEAT ING	1.78E-03	2.19E-02	5.33E-03	5.33E-03	4.37E-03	0.00E+00
ADULT	MILK ING	8.47E-04	1.29E-02	1.58E-03	1.58E-03	1.37E-03	0.00E+00
ADULT	TOTALS	7.72E-02	9.66E-01	1.92E-01	1.64E-01	1.33E-01	1.84E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.41E-01	4.57E-01	2.67E-01	1.61E-01	1.32E-01	1.07E+01
INFANT	GROUND	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02
INFANT	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.23E-02	7.80E-02	4.40E-02	4.40E-02	3.99E-02	0.00E+00
INFANT	TOTALS	7.87E-01	5.59E-01	3.35E-01	2.29E-01	1.96E-01	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.81E-01	3.16E-01	1.18E-01	6.13E-02	4.23E-02	1.07E+01
CHILD	GROUND	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02
CHILD	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
CHILD	VEG. ING	5.30E-02	2.66E-01	2.34E-01	2.34E-01	1.73E-01	0.00E+00
CHILD	MEAT ING	1.54E-03	7.71E-03	7.39E-03	7.39E-03	5.44E-03	0.00E+00
CHILD	MILK ING	2.98E-03	2.05E-02	9.96E-03	9.96E-03	7.53E-03	0.00E+00
CHILD	TOTALS	7.63E-01	6.35E-01	3.93E-01	3.37E-01	2.52E-01	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.68E-01	3.79E-01	6.00E-02	2.77E-02	2.19E-02	1.07E+01
TEENAGE	GROUND	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02
TEENAGE	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
TEENAGE	VEG. ING	8.69E-02	1.41E+00	2.09E-01	2.09E-01	1.76E-01	0.00E+00
TEENAGE	MEAT ING	2.44E-03	3.97E-02	6.46E-03	6.46E-03	5.41E-03	0.00E+00
TEENAGE	MILK ING	4.38E-03	9.19E-02	6.40E-03	6.40E-03	5.78E-03	0.00E+00
TEENAGE	TOTALS	7.87E-01	1.95E+00	3.06E-01	2.74E-01	2.33E-01	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.65E-01	3.30E-01	4.89E-02	2.11E-02	1.55E-02	1.07E+01
ADULT	GROUND	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02	1.11E-02
ADULT	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
ADULT	VEG. ING	4.96E-02	6.03E-01	1.36E-01	1.36E-01	1.12E-01	0.00E+00
ADULT	MEAT ING	1.79E-03	2.19E-02	5.34E-03	5.34E-03	4.38E-03	0.00E+00
ADULT	MILK ING	8.48E-04	1.29E-02	1.59E-03	1.59E-03	1.37E-03	0.00E+00
ADULT	TOTALS	7.42E-01	9.92E-01	2.16E-01	1.88E-01	1.58E-01	1.07E+01

0Program execution time = 0.22 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: AZTP4AR.MIL 01/26/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -5.5359E+02 -9.8859E+02 -3.5241E+02 -9.8859E+02 -5.5359E+02 -7.8741E+02 -3.5241E+02 -7.8741E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -5.5359E+02 YS= -9.8859E+02
NODE NO. = 2 XS= -5.5359E+02 YS= -8.8800E+02
NODE NO. = 3 XS= -5.5359E+02 YS= -7.8741E+02
NODE NO. = 4 XS= -4.5300E+02 YS= -9.8859E+02
NODE NO. = 5 XS= -4.5300E+02 YS= -8.8800E+02
NODE NO. = 6 XS= -4.5300E+02 YS= -7.8741E+02
NODE NO. = 7 XS= -3.5241E+02 YS= -9.8859E+02
NODE NO. = 8 XS= -3.5241E+02 YS= -8.8800E+02
NODE NO. = 9 XS= -3.5241E+02 YS= -7.8741E+02

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: AZTP4AR.MIL 01/26/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.45	-0.89	-16.00	0.0405	6.90E-04	1.15E-02	1.15E-02	1.15E-02	1.02E+02	5001	3	0.00E+00	Tailings Cell 4A

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.07E+02	1.78E+03	1.78E+03	1.78E+03
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.600E-07	1.267E-05	1.266E-05	1.264E-05	1.145E+00	1.074E+00	5.224E-01	2.865E-01	4.035E-07	4.824E-06
2.5	3.657E-07	6.094E-06	6.093E-06	6.079E-06	6.503E-01	6.336E-01	3.809E-01	2.535E-01	5.475E-07	3.530E-06
3.5	2.179E-07	3.631E-06	3.631E-06	3.623E-06	4.351E-01	4.298E-01	2.926E-01	2.165E-01	6.523E-07	2.734E-06
4.5	1.462E-07	2.435E-06	2.435E-06	2.430E-06	3.185E-01	3.166E-01	2.336E-01	1.838E-01	7.248E-07	2.196E-06
7.5	6.649E-08	1.108E-06	1.108E-06	1.105E-06	1.670E-01	1.669E-01	1.400E-01	1.196E-01	8.282E-07	1.328E-06
15.0	2.368E-08	3.946E-07	3.945E-07	3.936E-07	6.873E-02	6.877E-02	6.447E-02	5.954E-02	8.467E-07	6.198E-07
25.0	1.122E-08	1.869E-07	1.869E-07	1.865E-07	3.505E-02	3.507E-02	3.439E-02	3.330E-02	8.014E-07	3.347E-07
35.0	6.836E-09	1.139E-07	1.139E-07	1.137E-07	2.244E-02	2.245E-02	2.233E-02	2.203E-02	7.554E-07	2.185E-07
45.0	4.678E-09	7.795E-08	7.795E-08	7.777E-08	1.602E-02	1.603E-02	1.603E-02	1.595E-02	7.156E-07	1.573E-07
55.0	3.458E-09	5.762E-08	5.762E-08	5.748E-08	1.229E-02	1.230E-02	1.232E-02	1.231E-02	6.815E-07	1.211E-07
65.0	2.650E-09	4.416E-08	4.416E-08	4.405E-08	9.759E-03	9.765E-03	9.799E-03	9.808E-03	6.521E-07	9.632E-08
75.0	2.102E-09	3.503E-08	3.502E-08	3.494E-08	7.996E-03	8.000E-03	8.034E-03	8.050E-03	6.262E-07	7.900E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	1.318E+00	2.197E+01	2.196E+01	2.196E+01	0.000E+00	2.281E+01	2.281E+01	2.281E+01	7.307E-02
2.5	5.983E-01	9.969E+00	9.965E+00	9.965E+00	0.000E+00	1.047E+01	1.047E+01	1.047E+01	9.915E-02
3.5	3.419E-01	5.697E+00	5.695E+00	5.695E+00	0.000E+00	6.035E+00	6.035E+00	6.035E+00	1.181E-01
4.5	2.221E-01	3.701E+00	3.699E+00	3.699E+00	0.000E+00	3.950E+00	3.950E+00	3.950E+00	1.313E-01
7.5	9.622E-02	1.603E+00	1.603E+00	1.603E+00	0.000E+00	1.735E+00	1.735E+00	1.735E+00	1.500E-01
15.0	3.269E-02	5.448E-01	5.445E-01	5.445E-01	0.000E+00	5.990E-01	5.990E-01	5.990E-01	1.533E-01
25.0	1.488E-02	2.479E-01	2.478E-01	2.478E-01	0.000E+00	2.756E-01	2.756E-01	2.756E-01	1.451E-01
35.0	8.639E-03	1.440E-01	1.439E-01	1.439E-01	0.000E+00	1.617E-01	1.617E-01	1.617E-01	1.368E-01
45.0	5.593E-03	9.320E-02	9.316E-02	9.316E-02	0.000E+00	1.059E-01	1.059E-01	1.059E-01	1.296E-01
55.0	3.904E-03	6.506E-02	6.503E-02	6.503E-02	0.000E+00	7.477E-02	7.477E-02	7.477E-02	1.234E-01
65.0	2.811E-03	4.684E-02	4.682E-02	4.682E-02	0.000E+00	5.455E-02	5.455E-02	5.455E-02	1.181E-01
75.0	2.092E-03	3.486E-02	3.484E-02	3.484E-02	0.000E+00	4.118E-02	4.118E-02	4.118E-02	1.134E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.434E-08	5.723E-07	5.722E-07	5.721E-07
2.5	1.558E-08	2.597E-07	2.597E-07	2.607E-07
3.5	8.906E-09	1.484E-07	1.484E-07	1.500E-07
4.5	5.785E-09	9.640E-08	9.640E-08	9.835E-08
7.5	2.506E-09	4.176E-08	4.176E-08	4.415E-08
15.0	8.516E-10	1.419E-08	1.419E-08	1.670E-08
25.0	3.875E-10	6.457E-09	6.457E-09	8.846E-09
35.0	2.250E-10	3.750E-09	3.750E-09	6.007E-09
45.0	1.457E-10	2.428E-09	2.428E-09	4.569E-09
55.0	1.017E-10	1.695E-09	1.695E-09	3.735E-09
65.0	7.322E-11	1.220E-09	1.220E-09	3.173E-09
75.0	5.449E-11	9.080E-10	9.079E-10	2.784E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	5.089E-07	8.480E-06	8.479E-06	8.460E-06	9.045E-01	8.459E-01	4.101E-01	2.152E-01	2.590E-07	3.753E-06
2.5	2.273E-07	3.788E-06	3.788E-06	3.779E-06	4.939E-01	4.799E-01	2.882E-01	1.877E-01	3.567E-07	2.656E-06
3.5	1.308E-07	2.180E-06	2.179E-06	2.174E-06	3.245E-01	3.201E-01	2.175E-01	1.591E-01	4.319E-07	2.026E-06
4.5	8.531E-08	1.422E-06	1.422E-06	1.418E-06	2.342E-01	2.326E-01	1.713E-01	1.340E-01	4.841E-07	1.608E-06
7.5	3.559E-08	5.930E-07	5.930E-07	5.916E-07	1.188E-01	1.187E-01	9.942E-02	8.494E-02	5.564E-07	9.431E-07
15.0	1.098E-08	1.829E-07	1.829E-07	1.825E-07	4.684E-02	4.687E-02	4.395E-02	4.063E-02	5.647E-07	4.226E-07

25.0	4.665E-09	7.773E-08	7.773E-08	7.755E-08	2.332E-02	2.334E-02	2.288E-02	2.217E-02	5.299E-07	2.227E-07
35.0	2.663E-09	4.437E-08	4.437E-08	4.427E-08	1.470E-02	1.471E-02	1.463E-02	1.443E-02	4.966E-07	1.431E-07
45.0	1.745E-09	2.908E-08	2.908E-08	2.901E-08	1.038E-02	1.039E-02	1.039E-02	1.033E-02	4.683E-07	1.019E-07
55.0	1.254E-09	2.089E-08	2.089E-08	2.084E-08	7.897E-03	7.902E-03	7.918E-03	7.905E-03	4.444E-07	7.777E-08
65.0	9.378E-10	1.563E-08	1.563E-08	1.559E-08	6.222E-03	6.225E-03	6.246E-03	6.250E-03	4.239E-07	6.139E-08
75.0	7.297E-10	1.216E-08	1.216E-08	1.213E-08	5.062E-03	5.065E-03	5.086E-03	5.095E-03	4.060E-07	5.001E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	8.549E-01	1.425E+01	1.424E+01	1.424E+01	0.000E+00	1.491E+01	1.491E+01	1.491E+01	4.690E-02
2.5	3.498E-01	5.830E+00	5.827E+00	5.827E+00	0.000E+00	6.207E+00	6.207E+00	6.207E+00	6.460E-02
3.5	1.889E-01	3.147E+00	3.146E+00	3.146E+00	0.000E+00	3.400E+00	3.400E+00	3.400E+00	7.822E-02
4.5	1.173E-01	1.954E+00	1.953E+00	1.953E+00	0.000E+00	2.137E+00	2.137E+00	2.137E+00	8.767E-02
7.5	4.455E-02	7.423E-01	7.420E-01	7.420E-01	0.000E+00	8.360E-01	8.360E-01	8.360E-01	1.008E-01
15.0	1.237E-02	2.061E-01	2.060E-01	2.060E-01	0.000E+00	2.431E-01	2.431E-01	2.431E-01	1.023E-01
25.0	4.963E-03	8.271E-02	8.267E-02	8.267E-02	0.000E+00	1.012E-01	1.012E-01	1.012E-01	9.596E-02
35.0	2.714E-03	4.523E-02	4.521E-02	4.521E-02	0.000E+00	5.686E-02	5.686E-02	5.686E-02	8.993E-02
45.0	1.703E-03	2.838E-02	2.837E-02	2.837E-02	0.000E+00	3.660E-02	3.660E-02	3.660E-02	8.482E-02
55.0	1.172E-03	1.954E-02	1.953E-02	1.953E-02	0.000E+00	2.579E-02	2.579E-02	2.579E-02	8.048E-02
65.0	8.368E-04	1.394E-02	1.394E-02	1.394E-02	0.000E+00	1.887E-02	1.887E-02	1.887E-02	7.676E-02
75.0	6.207E-04	1.034E-02	1.034E-02	1.034E-02	0.000E+00	1.435E-02	1.435E-02	1.435E-02	7.352E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.227E-08	3.711E-07	3.710E-07	3.710E-07
2.5	9.113E-09	1.519E-07	1.518E-07	1.526E-07
3.5	4.920E-09	8.199E-08	8.198E-08	8.309E-08
4.5	3.054E-09	5.090E-08	5.090E-08	5.223E-08
7.5	1.160E-09	1.934E-08	1.934E-08	2.096E-08
15.0	3.222E-10	5.369E-09	5.369E-09	7.051E-09
25.0	1.293E-10	2.154E-09	2.154E-09	3.739E-09
35.0	7.070E-11	1.178E-09	1.178E-09	2.665E-09
45.0	4.437E-11	7.393E-10	7.393E-10	2.143E-09
55.0	3.054E-11	5.089E-10	5.089E-10	1.841E-09
65.0	2.180E-11	3.632E-10	3.632E-10	1.634E-09
75.0	1.617E-11	2.694E-10	2.694E-10	1.487E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.246E-06	1.207E-04	1.207E-04	1.205E-04	1.320E+01	1.044E+01	2.319E+00	5.169E-01	1.792E-07	2.444E-05
2.5	2.062E-06	3.436E-05	3.436E-05	3.428E-05	4.709E+00	4.342E+00	1.702E+00	7.269E-01	6.260E-07	1.581E-05
3.5	9.854E-07	1.642E-05	1.642E-05	1.638E-05	2.677E+00	2.587E+00	1.306E+00	7.270E-01	1.114E-06	1.200E-05
4.5	5.444E-07	9.072E-06	9.071E-06	9.051E-06	1.689E+00	1.669E+00	1.010E+00	6.573E-01	1.483E-06	9.289E-06
7.5	1.829E-07	3.048E-06	3.048E-06	3.041E-06	7.219E-01	7.216E-01	5.591E-01	4.365E-01	2.064E-06	5.206E-06
15.0	4.801E-08	8.000E-07	8.000E-07	7.982E-07	2.562E-01	2.563E-01	2.360E-01	2.111E-01	2.280E-06	2.248E-06
25.0	1.721E-08	2.867E-07	2.867E-07	2.861E-07	1.193E-01	1.194E-01	1.172E-01	1.131E-01	2.183E-06	1.139E-06
35.0	8.794E-09	1.465E-07	1.465E-07	1.462E-07	7.308E-02	7.312E-02	7.293E-02	7.216E-02	2.053E-06	7.142E-07
45.0	5.294E-09	8.822E-08	8.822E-08	8.802E-08	5.075E-02	5.077E-02	5.088E-02	5.078E-02	1.935E-06	4.997E-07
55.0	3.557E-09	5.927E-08	5.927E-08	5.914E-08	3.815E-02	3.817E-02	3.831E-02	3.834E-02	1.833E-06	3.765E-07
65.0	2.507E-09	4.177E-08	4.177E-08	4.167E-08	2.981E-02	2.982E-02	2.996E-02	3.003E-02	1.744E-06	2.946E-07
75.0	1.852E-09	3.086E-08	3.086E-08	3.079E-08	2.410E-02	2.412E-02	2.423E-02	2.430E-02	1.667E-06	2.383E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.110E+01	1.850E+02	1.849E+02	1.849E+02	0.000E+00	1.932E+02	1.932E+02	1.932E+02	3.245E-02
2.5	2.507E+00	4.177E+01	4.175E+01	4.175E+01	0.000E+00	4.519E+01	4.519E+01	4.519E+01	1.134E-01
3.5	9.922E-01	1.653E+01	1.653E+01	1.653E+01	0.000E+00	1.858E+01	1.858E+01	1.858E+01	2.017E-01
4.5	4.791E-01	7.984E+00	7.981E+00	7.981E+00	0.000E+00	9.303E+00	9.303E+00	9.303E+00	2.685E-01
7.5	1.291E-01	2.152E+00	2.151E+00	2.151E+00	0.000E+00	2.722E+00	2.722E+00	2.722E+00	3.738E-01
15.0	2.799E-02	4.664E-01	4.662E-01	4.662E-01	0.000E+00	6.692E-01	6.692E-01	6.692E-01	4.128E-01
25.0	9.183E-03	1.530E-01	1.529E-01	1.529E-01	0.000E+00	2.475E-01	2.475E-01	2.475E-01	3.952E-01
35.0	4.554E-03	7.588E-02	7.585E-02	7.585E-02	0.000E+00	1.338E-01	1.338E-01	1.338E-01	3.717E-01
45.0	2.696E-03	4.493E-02	4.491E-02	4.491E-02	0.000E+00	8.513E-02	8.513E-02	8.513E-02	3.504E-01
55.0	1.790E-03	2.982E-02	2.981E-02	2.981E-02	0.000E+00	6.004E-02	6.004E-02	6.004E-02	3.319E-01
65.0	1.246E-03	2.076E-02	2.075E-02	2.075E-02	0.000E+00	4.438E-02	4.438E-02	4.438E-02	3.159E-01
75.0	9.095E-04	1.515E-02	1.515E-02	1.515E-02	0.000E+00	3.425E-02	3.425E-02	3.425E-02	3.019E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.892E-07	4.820E-06	4.819E-06	4.809E-06
2.5	6.529E-08	1.088E-06	1.088E-06	1.087E-06
3.5	2.585E-08	4.307E-07	4.307E-07	4.330E-07

4.5	1.248E-08	2.080E-07	2.080E-07	2.119E-07
7.5	3.364E-09	5.605E-08	5.605E-08	6.211E-08
15.0	7.290E-10	1.215E-08	1.215E-08	1.896E-08
25.0	2.392E-10	3.986E-09	3.986E-09	1.052E-08
35.0	1.186E-10	1.977E-09	1.977E-09	8.130E-09
45.0	7.024E-11	1.170E-09	1.170E-09	6.973E-09
55.0	4.662E-11	7.768E-10	7.768E-10	6.273E-09
65.0	3.246E-11	5.409E-10	5.408E-10	5.773E-09
75.0	2.369E-11	3.948E-10	3.947E-10	5.395E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.583E-05	5.970E-04	5.970E-04	5.956E-04	6.390E+01	4.354E+01	6.010E+00	8.825E-01	1.990E-07	7.861E-05
2.5	4.139E-06	6.898E-05	6.898E-05	6.882E-05	9.872E+00	9.095E+00	3.161E+00	1.203E+00	8.987E-07	2.988E-05
3.5	1.711E-06	2.851E-05	2.851E-05	2.845E-05	4.614E+00	4.471E+00	2.112E+00	1.099E+00	1.541E-06	1.941E-05
4.5	8.901E-07	1.483E-05	1.483E-05	1.480E-05	2.677E+00	2.651E+00	1.541E+00	9.558E-01	2.005E-06	1.411E-05
7.5	2.808E-07	4.678E-06	4.678E-06	4.668E-06	1.041E+00	1.041E+00	7.970E-01	6.070E-01	2.697E-06	7.377E-06
15.0	7.130E-08	1.188E-06	1.188E-06	1.185E-06	3.481E-01	3.483E-01	3.204E-01	2.849E-01	2.891E-06	3.046E-06
25.0	2.515E-08	4.191E-07	4.191E-07	4.181E-07	1.575E-01	1.576E-01	1.549E-01	1.497E-01	2.732E-06	1.506E-06
35.0	1.276E-08	2.127E-07	2.126E-07	2.122E-07	9.521E-02	9.526E-02	9.509E-02	9.418E-02	2.550E-06	9.315E-07
45.0	7.643E-09	1.274E-07	1.273E-07	1.271E-07	6.558E-02	6.561E-02	6.577E-02	6.568E-02	2.391E-06	6.460E-07
55.0	5.110E-09	8.516E-08	8.515E-08	8.496E-08	4.901E-02	4.904E-02	4.923E-02	4.929E-02	2.256E-06	4.839E-07
65.0	3.587E-09	5.977E-08	5.977E-08	5.963E-08	3.814E-02	3.816E-02	3.833E-02	3.843E-02	2.140E-06	3.770E-07
75.0	2.640E-09	4.399E-08	4.399E-08	4.389E-08	3.073E-02	3.075E-02	3.090E-02	3.099E-02	2.039E-06	3.039E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.232E+01	7.052E+02	7.049E+02	7.049E+02	0.000E+00	7.394E+02	7.394E+02	7.394E+02	3.604E-02
2.5	3.652E+00	6.086E+01	6.083E+01	6.083E+01	0.000E+00	6.804E+01	6.804E+01	6.804E+01	1.628E-01
3.5	1.340E+00	2.233E+01	2.233E+01	2.233E+01	0.000E+00	2.587E+01	2.587E+01	2.587E+01	2.791E-01

4.5	6.295E-01	1.049E+01	1.049E+01	1.049E+01	0.000E+00	1.258E+01	1.258E+01	1.258E+01	3.630E-01
7.5	1.681E-01	2.801E+00	2.800E+00	2.800E+00	0.000E+00	3.625E+00	3.625E+00	3.625E+00	4.884E-01
15.0	3.744E-02	6.239E-01	6.236E-01	6.236E-01	0.000E+00	8.995E-01	8.995E-01	8.995E-01	5.236E-01
25.0	1.248E-02	2.080E-01	2.079E-01	2.079E-01	0.000E+00	3.328E-01	3.328E-01	3.328E-01	4.947E-01
35.0	6.229E-03	1.038E-01	1.038E-01	1.038E-01	0.000E+00	1.792E-01	1.792E-01	1.792E-01	4.619E-01
45.0	3.692E-03	6.152E-02	6.149E-02	6.149E-02	0.000E+00	1.135E-01	1.135E-01	1.135E-01	4.331E-01
55.0	2.446E-03	4.076E-02	4.074E-02	4.074E-02	0.000E+00	7.959E-02	7.959E-02	7.959E-02	4.085E-01
65.0	1.700E-03	2.832E-02	2.831E-02	2.831E-02	0.000E+00	5.853E-02	5.853E-02	5.853E-02	3.875E-01
75.0	1.237E-03	2.062E-02	2.061E-02	2.061E-02	0.000E+00	4.497E-02	4.497E-02	4.497E-02	3.693E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.102E-06	1.837E-05	1.837E-05	1.833E-05
2.5	9.514E-08	1.585E-06	1.585E-06	1.584E-06
3.5	3.491E-08	5.818E-07	5.818E-07	5.851E-07
4.5	1.640E-08	2.732E-07	2.732E-07	2.786E-07
7.5	4.379E-09	7.297E-08	7.297E-08	8.089E-08
15.0	9.753E-10	1.625E-08	1.625E-08	2.489E-08
25.0	3.252E-10	5.419E-09	5.419E-09	1.360E-08
35.0	1.623E-10	2.704E-09	2.704E-09	1.035E-08
45.0	9.617E-11	1.602E-09	1.602E-09	8.773E-09
55.0	6.372E-11	1.062E-09	1.062E-09	7.826E-09
65.0	4.427E-11	7.377E-10	7.377E-10	7.156E-09
75.0	3.223E-11	5.371E-10	5.370E-10	6.654E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.954E-07	1.325E-05	1.325E-05	1.322E-05	2.225E+00	2.100E+00	9.051E-01	3.595E-01	2.498E-07	8.093E-06
2.5	1.744E-07	2.906E-06	2.906E-06	2.899E-06	9.493E-01	9.368E-01	5.876E-01	3.389E-01	4.408E-07	5.208E-06
3.5	7.816E-08	1.302E-06	1.302E-06	1.299E-06	5.376E-01	5.357E-01	4.080E-01	2.938E-01	6.013E-07	3.716E-06
4.5	4.629E-08	7.713E-07	7.713E-07	7.695E-07	3.596E-01	3.593E-01	3.017E-01	2.452E-01	7.209E-07	2.814E-06
7.5	1.745E-08	2.907E-07	2.907E-07	2.901E-07	1.649E-01	1.650E-01	1.545E-01	1.435E-01	8.936E-07	1.489E-06
15.0	5.546E-09	9.241E-08	9.241E-08	9.220E-08	6.130E-02	6.134E-02	6.046E-02	5.907E-02	9.218E-07	5.901E-07
25.0	2.465E-09	4.107E-08	4.107E-08	4.097E-08	2.964E-02	2.965E-02	2.967E-02	2.953E-02	8.553E-07	2.911E-07

35.0	1.458E-09	2.430E-08	2.430E-08	2.424E-08	1.845E-02	1.846E-02	1.853E-02	1.855E-02	7.944E-07	1.822E-07
45.0	9.803E-10	1.633E-08	1.633E-08	1.630E-08	1.293E-02	1.294E-02	1.299E-02	1.303E-02	7.449E-07	1.278E-07
55.0	7.157E-10	1.193E-08	1.193E-08	1.190E-08	9.774E-03	9.780E-03	9.825E-03	9.857E-03	7.038E-07	9.665E-08
65.0	5.422E-10	9.036E-09	9.035E-09	9.015E-09	7.658E-03	7.663E-03	7.699E-03	7.726E-03	6.692E-07	7.575E-08
75.0	4.255E-10	7.090E-09	7.090E-09	7.074E-09	6.199E-03	6.202E-03	6.233E-03	6.255E-03	6.393E-07	6.132E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.188E+00	1.980E+01	1.979E+01	1.979E+01	0.000E+00	2.146E+01	2.146E+01	2.146E+01	4.524E-02
2.5	2.121E-01	3.535E+00	3.533E+00	3.533E+00	0.000E+00	4.275E+00	4.275E+00	4.275E+00	7.983E-02
3.5	8.739E-02	1.456E+00	1.456E+00	1.456E+00	0.000E+00	1.880E+00	1.880E+00	1.880E+00	1.089E-01
4.5	4.987E-02	8.310E-01	8.306E-01	8.306E-01	0.000E+00	1.115E+00	1.115E+00	1.115E+00	1.306E-01
7.5	1.810E-02	3.016E-01	3.015E-01	3.015E-01	0.000E+00	4.321E-01	4.321E-01	4.321E-01	1.618E-01
15.0	5.754E-03	9.588E-02	9.584E-02	9.584E-02	0.000E+00	1.444E-01	1.444E-01	1.444E-01	1.669E-01
25.0	2.527E-03	4.210E-02	4.209E-02	4.209E-02	0.000E+00	6.557E-02	6.557E-02	6.557E-02	1.549E-01
35.0	1.447E-03	2.412E-02	2.411E-02	2.411E-02	0.000E+00	3.873E-02	3.873E-02	3.873E-02	1.439E-01
45.0	9.317E-04	1.553E-02	1.552E-02	1.552E-02	0.000E+00	2.577E-02	2.577E-02	2.577E-02	1.349E-01
55.0	6.494E-04	1.082E-02	1.082E-02	1.082E-02	0.000E+00	1.856E-02	1.856E-02	1.856E-02	1.275E-01
65.0	4.675E-04	7.790E-03	7.787E-03	7.787E-03	0.000E+00	1.386E-02	1.386E-02	1.386E-02	1.212E-01
75.0	3.482E-04	5.802E-03	5.799E-03	5.799E-03	0.000E+00	1.071E-02	1.071E-02	1.071E-02	1.158E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.095E-08	5.158E-07	5.158E-07	5.153E-07
2.5	5.525E-09	9.207E-08	9.207E-08	9.318E-08
3.5	2.276E-09	3.793E-08	3.793E-08	3.965E-08
4.5	1.299E-09	2.165E-08	2.164E-08	2.376E-08
7.5	4.714E-10	7.856E-09	7.856E-09	1.052E-08
15.0	1.499E-10	2.497E-09	2.497E-09	5.257E-09
25.0	6.582E-11	1.097E-09	1.097E-09	3.660E-09
35.0	3.770E-11	6.283E-10	6.282E-10	3.010E-09
45.0	2.427E-11	4.044E-10	4.044E-10	2.638E-09
55.0	1.692E-11	2.819E-10	2.819E-10	2.393E-09
65.0	1.218E-11	2.029E-10	2.029E-10	2.210E-09
75.0	9.069E-12	1.511E-10	1.511E-10	2.069E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.635E-03	0.000E+00	0.000E+00	2.512E-04	0.000E+00	0.000E+00	0.000E+00	3.267E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.687E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.277E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.809E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.229E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.399E-05	1.008E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.453E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.202E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.605E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.221E-05	0.000E+00	1.371E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.683E-07	0.000E+00	0.000E+00	7.747E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.957E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.461E-02	0.000E+00	0.000E+00	2.883E-03	0.000E+00	0.000E+00	0.000E+00	3.330E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.036E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.241E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.321E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.155E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.477E-04	9.767E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.930E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.941E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.732E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.740E-04	0.000E+00	1.178E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.090E-06	0.000E+00	0.000E+00	6.707E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.965E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.797E-03 0.000E+00 0.000E+00 3.523E-04 0.000E+00 0.000E+00 0.000E+00
3.347E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.123E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.844E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.602E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.846E-07 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.900E-05 8.956E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.380E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.115E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.425E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.140E-05 0.000E+00
5.264E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.704E-07 0.000E+00 0.000E+00
3.028E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 6.971E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.787E-01 0.000E+00 0.000E+00 4.894E-02 0.000E+00 0.000E+00 0.000E+00
4.618E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.856E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.018E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.492E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.982E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.710E-02 2.786E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.346E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.519E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.906E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.672E-03 0.000E+00
2.340E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.578E-04 0.000E+00 0.000E+00
1.140E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.791E-01 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.179E-03 0.000E+00 0.000E+00 6.569E-05 0.000E+00 0.000E+00 0.000E+00
4.393E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.844E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.373E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.105E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.412E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.453E-06 9.549E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.285E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.010E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.833E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.308E-06 0.000E+00
5.323E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.858E-08 0.000E+00 0.000E+00
3.689E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.415E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.328E-03 0.000E+00 0.000E+00 4.120E-04 0.000E+00 0.000E+00 0.000E+00
4.060E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.605E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.014E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.368E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.713E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.465E-04 2.426E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.287E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.990E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.939E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.534E-05 0.000E+00
2.067E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.392E-06 0.000E+00 0.000E+00
1.007E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 6.025E-03 PERSON-REM/YR
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                              TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.130E-04 8.576E-05 6.894E-05 5.801E-05 2.154E-04 3.188E-04 2.739E-04 2.538E-04 2.428E-04 2.380E-04 2.348E-04
2.342E-04
     NNE     1.243E-04 1.010E-04 8.412E-05 7.215E-05 2.695E-04 3.790E-04 3.064E-04 2.715E-04 2.503E-04 2.379E-04 2.282E-04
2.220E-04
     NE      1.011E-04 7.781E-05 6.280E-05 5.275E-05 1.888E-04 2.555E-04 2.078E-04 1.879E-04 1.772E-04 1.723E-04 1.689E-04
1.675E-04
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     ENE     8.521E-05 6.144E-05 4.757E-05 3.886E-05 1.320E-04 1.727E-04 1.419E-04 1.320E-04 1.286E-04 1.289E-04 1.301E-04
1.323E-04
     E       7.326E-05 5.018E-05 3.816E-05 3.077E-05 1.017E-04 1.319E-04 1.116E-04 1.077E-04 1.086E-04 1.121E-04 1.159E-04
1.203E-04
     ESE     7.546E-05 5.045E-05 3.492E-05 2.662E-05 8.205E-05 1.093E-04 1.028E-04 1.070E-04 1.136E-04 1.214E-04 1.290E-04
1.366E-04
     SE      9.086E-05 5.145E-05 4.555E-05 4.029E-05 1.437E-04 1.951E-04 1.740E-04 1.780E-04 1.885E-04 2.018E-04 2.150E-04
2.284E-04
     SSE     1.643E-04 1.581E-04 1.208E-04 9.307E-05 2.727E-04 3.129E-04 2.471E-04 2.408E-04 2.494E-04 2.640E-04 2.794E-04
2.956E-04
     S       9.501E-04 3.580E-04 1.992E-04 1.250E-04 3.002E-04 3.448E-04 2.991E-04 3.121E-04 3.374E-04 3.667E-04 3.956E-04
4.240E-04
     SSW     3.621E-03 5.217E-04 2.692E-04 1.644E-04 3.909E-04 4.539E-04 3.885E-04 3.992E-04 4.262E-04 4.590E-04 4.916E-04
5.241E-04
     SW      3.078E-04 1.246E-04 8.288E-05 5.704E-05 1.652E-04 2.518E-04 2.586E-04 2.876E-04 3.199E-04 3.525E-04 3.835E-04
4.131E-04
     WSW     9.798E-05 2.922E-05 2.175E-05 1.692E-05 6.071E-05 1.152E-04 1.286E-04 1.455E-04 1.624E-04 1.790E-04 1.945E-04
2.094E-04
     W       1.018E-04 3.060E-05 1.809E-05 1.380E-05 4.905E-05 9.182E-05 1.019E-04 1.145E-04 1.272E-04 1.396E-04 1.514E-04
1.626E-04
     WNW     8.219E-05 5.360E-05 3.319E-05 2.390E-05 7.313E-05 1.126E-04 1.142E-04 1.224E-04 1.322E-04 1.427E-04 1.527E-04
1.625E-04
     NW      8.015E-05 5.058E-05 3.868E-05 3.167E-05 1.149E-04 1.788E-04 1.664E-04 1.655E-04 1.684E-04 1.739E-04 1.795E-04
1.859E-04
     NNW     9.792E-05 6.730E-05 5.105E-05 4.156E-05 1.509E-04 2.344E-04 2.129E-04 2.050E-04 2.021E-04 2.031E-04 2.047E-04
2.079E-04

                TOTAL DOSE COMMITMENT IS 3.729E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.349E-03 1.024E-03 8.225E-04 6.917E-04 2.563E-03 3.767E-03 3.208E-03 2.948E-03 2.797E-03 2.723E-03 2.670E-03
2.648E-03
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NNE	1.485E-03	1.205E-03	1.004E-03	8.607E-04	3.210E-03	4.494E-03	3.609E-03	3.176E-03	2.908E-03	2.747E-03	2.619E-03	2.533E-03
NE	1.207E-03	9.288E-04	7.494E-04	6.291E-04	2.247E-03	3.022E-03	2.437E-03	2.185E-03	2.046E-03	1.975E-03	1.924E-03	1.898E-03
ENE	1.017E-03	7.333E-04	5.675E-04	4.633E-04	1.570E-03	2.036E-03	1.653E-03	1.522E-03	1.470E-03	1.463E-03	1.467E-03	1.485E-03
E	8.747E-04	5.989E-04	4.552E-04	3.667E-04	1.208E-03	1.549E-03	1.291E-03	1.231E-03	1.231E-03	1.261E-03	1.297E-03	1.341E-03
ESE	9.009E-04	6.021E-04	4.165E-04	3.171E-04	9.719E-04	1.272E-03	1.175E-03	1.209E-03	1.273E-03	1.353E-03	1.432E-03	1.511E-03
SE	1.085E-03	6.140E-04	5.433E-04	4.800E-04	1.704E-03	2.275E-03	1.990E-03	2.010E-03	2.111E-03	2.247E-03	2.384E-03	2.524E-03
SSE	1.962E-03	1.888E-03	1.442E-03	1.110E-03	3.240E-03	3.666E-03	2.837E-03	2.727E-03	2.797E-03	2.943E-03	3.101E-03	3.270E-03
S	1.135E-02	4.275E-03	2.378E-03	1.491E-03	3.560E-03	4.009E-03	3.399E-03	3.500E-03	3.754E-03	4.060E-03	4.365E-03	4.668E-03
SSW	4.324E-02	6.229E-03	3.213E-03	1.960E-03	4.636E-03	5.283E-03	4.423E-03	4.485E-03	4.749E-03	5.088E-03	5.430E-03	5.774E-03
SW	3.675E-03	1.487E-03	9.884E-04	6.789E-04	1.947E-03	2.893E-03	2.912E-03	3.205E-03	3.544E-03	3.890E-03	4.221E-03	4.539E-03
WSW	1.170E-03	3.486E-04	2.591E-04	2.009E-04	7.119E-04	1.319E-03	1.449E-03	1.624E-03	1.802E-03	1.979E-03	2.145E-03	2.304E-03
W	1.215E-03	3.650E-04	2.153E-04	1.637E-04	5.751E-04	1.053E-03	1.150E-03	1.280E-03	1.412E-03	1.545E-03	1.670E-03	1.790E-03
WNW	9.813E-04	6.397E-04	3.956E-04	2.844E-04	8.630E-04	1.303E-03	1.298E-03	1.377E-03	1.476E-03	1.585E-03	1.690E-03	1.794E-03
NW	9.569E-04	6.035E-04	4.612E-04	3.771E-04	1.362E-03	2.094E-03	1.924E-03	1.893E-03	1.910E-03	1.959E-03	2.011E-03	2.073E-03
NNW	1.169E-03	8.032E-04	6.088E-04	4.952E-04	1.791E-03	2.758E-03	2.478E-03	2.364E-03	2.312E-03	2.307E-03	2.311E-03	2.335E-03

TOTAL DOSE COMMITMENT IS 4.299E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

N	5.594E-06	4.248E-06	3.417E-06	2.877E-06	1.072E-05	1.600E-05	1.390E-05	1.301E-05	1.256E-05	1.241E-05	1.234E-05	1.238E-05
NNE	6.157E-06	5.000E-06	4.168E-06	3.576E-06	1.338E-05	1.893E-05	1.544E-05	1.380E-05	1.282E-05	1.228E-05	1.187E-05	1.162E-05
NE	5.007E-06	3.854E-06	3.112E-06	2.615E-06	9.383E-06	1.280E-05	1.052E-05	9.612E-06	9.151E-06	8.967E-06	8.856E-06	8.841E-06
ENE	4.219E-06	3.043E-06	2.357E-06	1.927E-06	6.572E-06	8.693E-06	7.245E-06	6.823E-06	6.718E-06	6.789E-06	6.898E-06	7.056E-06
E	3.628E-06	2.486E-06	1.892E-06	1.527E-06	5.072E-06	6.674E-06	5.749E-06	5.624E-06	5.733E-06	5.961E-06	6.203E-06	6.471E-06
ESE	3.736E-06	2.499E-06	1.731E-06	1.322E-06	4.104E-06	5.588E-06	5.369E-06	5.661E-06	6.068E-06	6.524E-06	6.963E-06	7.399E-06
SE	4.499E-06	2.548E-06	2.258E-06	2.000E-06	7.181E-06	9.946E-06	9.079E-06	9.427E-06	1.008E-05	1.086E-05	1.162E-05	1.239E-05
SSE	8.136E-06	7.830E-06	5.987E-06	4.616E-06	1.359E-05	1.587E-05	1.283E-05	1.271E-05	1.331E-05	1.418E-05	1.509E-05	1.602E-05
S	4.704E-05	1.773E-05	9.870E-06	6.202E-06	1.499E-05	1.765E-05	1.573E-05	1.666E-05	1.817E-05	1.985E-05	2.149E-05	2.310E-05
SSW	1.793E-04	2.583E-05	1.334E-05	8.152E-06	1.952E-05	2.320E-05	2.039E-05	2.127E-05	2.292E-05	2.481E-05	2.668E-05	2.852E-05
SW	1.524E-05	6.172E-06	4.110E-06	2.836E-06	8.318E-06	1.307E-05	1.375E-05	1.547E-05	1.731E-05	1.915E-05	2.089E-05	2.255E-05
WSW	4.851E-06	1.448E-06	1.081E-06	8.438E-07	3.075E-06	5.998E-06	6.830E-06	7.810E-06	8.772E-06	9.706E-06	1.058E-05	1.141E-05
W	5.039E-06	1.517E-06	8.991E-07	6.886E-07	2.485E-06	4.779E-06	5.407E-06	6.138E-06	6.860E-06	7.566E-06	8.227E-06	8.858E-06
WNW	4.070E-06	2.656E-06	1.647E-06	1.189E-06	3.675E-06	5.801E-06	6.002E-06	6.514E-06	7.092E-06	7.694E-06	8.269E-06	8.829E-06
NW	3.969E-06	2.506E-06	1.919E-06	1.573E-06	5.740E-06	9.067E-06	8.580E-06	8.639E-06	8.877E-06	9.233E-06	9.592E-06	9.981E-06
NNW	4.849E-06	3.334E-06	2.531E-06	2.063E-06	7.523E-06	1.182E-05	1.088E-05	1.060E-05	1.055E-05	1.068E-05	1.085E-05	1.108E-05

TOTAL DOSE COMMITMENT IS 1.928E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.885E-05	5.226E-05	4.202E-05	3.536E-05	1.314E-04	1.948E-04	1.677E-04	1.557E-04	1.492E-04	1.465E-04	1.447E-04	1.445E-04
NNE	7.577E-05	6.152E-05	5.126E-05	4.397E-05	1.643E-04	2.313E-04	1.873E-04	1.663E-04	1.535E-04	1.461E-04	1.404E-04	1.367E-04
NE	6.162E-05	4.742E-05	3.828E-05	3.215E-05	1.151E-04	1.560E-04	1.272E-04	1.152E-04	1.089E-04	1.060E-04	1.041E-04	1.034E-04
ENE	5.192E-05	3.744E-05	2.899E-05	2.368E-05	8.054E-05	1.056E-04	8.697E-05	8.109E-05	7.919E-05	7.950E-05	8.032E-05	8.179E-05
E	4.464E-05	3.058E-05	2.326E-05	1.876E-05	6.208E-05	8.072E-05	6.853E-05	6.630E-05	6.702E-05	6.925E-05	7.171E-05	7.452E-05
ESE	4.598E-05	3.074E-05	2.128E-05	1.623E-05	5.009E-05	6.701E-05	6.329E-05	6.602E-05	7.026E-05	7.517E-05	7.993E-05	8.469E-05
SE	5.537E-05	3.135E-05	2.776E-05	2.456E-05	8.774E-05	1.195E-04	1.071E-04	1.099E-04	1.166E-04	1.250E-04	1.333E-04	1.417E-04
SSE	1.001E-04	9.636E-05	7.364E-05	5.673E-05	1.664E-04	1.916E-04	1.519E-04	1.486E-04	1.542E-04	1.634E-04	1.732E-04	1.833E-04
S	5.789E-04	2.182E-04	1.214E-04	7.622E-05	1.832E-04	2.114E-04	1.844E-04	1.930E-04	2.090E-04	2.274E-04	2.455E-04	2.633E-04
SSW	2.206E-03	3.179E-04	1.640E-04	1.002E-04	2.386E-04	2.783E-04	2.394E-04	2.467E-04	2.639E-04	2.845E-04	3.050E-04	3.253E-04
SW	1.875E-04	7.594E-05	5.052E-05	3.479E-05	1.010E-04	1.548E-04	1.598E-04	1.781E-04	1.984E-04	2.187E-04	2.381E-04	2.566E-04
WSW	5.970E-05	1.781E-05	1.326E-05	1.032E-05	3.715E-05	7.086E-05	7.943E-05	9.008E-05	1.007E-04	1.110E-04	1.208E-04	1.300E-04
W	6.202E-05	1.865E-05	1.103E-05	8.421E-06	3.002E-05	5.649E-05	6.295E-05	7.087E-05	7.880E-05	8.660E-05	9.394E-05	1.010E-04
WNW	5.009E-05	3.267E-05	2.023E-05	1.458E-05	4.469E-05	6.915E-05	7.039E-05	7.566E-05	8.183E-05	8.840E-05	9.469E-05	1.009E-04
NW	4.884E-05	3.082E-05	2.358E-05	1.931E-05	7.012E-05	1.094E-04	1.022E-04	1.019E-04	1.039E-04	1.074E-04	1.110E-04	1.151E-04
NNW	5.967E-05	4.101E-05	3.111E-05	2.534E-05	9.206E-05	1.433E-04	1.305E-04	1.259E-04	1.244E-04	1.252E-04	1.264E-04	1.285E-04

TOTAL DOSE COMMITMENT IS 2.291E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.440E-06	4.124E-06	3.309E-06	2.777E-06	1.021E-05	1.467E-05	1.211E-05	1.080E-05	9.953E-06	9.437E-06	9.021E-06	8.741E-06
NNE	5.987E-06	4.857E-06	4.042E-06	3.461E-06	1.285E-05	1.771E-05	1.390E-05	1.195E-05	1.067E-05	9.850E-06	9.171E-06	8.674E-06
NE	4.869E-06	3.743E-06	3.016E-06	2.528E-06	8.972E-06	1.182E-05	9.251E-06	8.055E-06	7.328E-06	6.894E-06	6.549E-06	6.315E-06
ENE	4.102E-06	2.954E-06	2.283E-06	1.860E-06	6.247E-06	7.866E-06	6.126E-06	5.429E-06	5.070E-06	4.905E-06	4.793E-06	4.746E-06
E	3.527E-06	2.412E-06	1.830E-06	1.470E-06	4.789E-06	5.897E-06	4.661E-06	4.249E-06	4.094E-06	4.078E-06	4.094E-06	4.151E-06
ESE	3.633E-06	2.426E-06	1.674E-06	1.269E-06	3.818E-06	4.698E-06	4.058E-06	3.979E-06	4.051E-06	4.202E-06	4.359E-06	4.533E-06
SE	4.376E-06	2.473E-06	2.183E-06	1.922E-06	6.716E-06	8.467E-06	6.890E-06	6.604E-06	6.683E-06	6.938E-06	7.219E-06	7.535E-06
SSE	7.915E-06	7.610E-06	5.806E-06	4.458E-06	1.286E-05	1.386E-05	9.972E-06	9.060E-06	8.930E-06	9.140E-06	9.431E-06	9.793E-06
S	4.577E-05	1.724E-05	9.577E-06	5.988E-06	1.404E-05	1.476E-05	1.146E-05	1.115E-05	1.155E-05	1.221E-05	1.292E-05	1.367E-05
SSW	1.744E-04	2.512E-05	1.294E-05	7.869E-06	1.828E-05	1.952E-05	1.502E-05	1.441E-05	1.472E-05	1.540E-05	1.616E-05	1.698E-05
SW	1.482E-05	5.994E-06	3.970E-06	2.709E-06	7.511E-06	1.020E-05	9.441E-06	9.930E-06	1.068E-05	1.153E-05	1.236E-05	1.317E-05
WSW	4.719E-06	1.402E-06	1.036E-06	7.951E-07	2.702E-06	4.595E-06	4.706E-06	5.069E-06	5.481E-06	5.912E-06	6.324E-06	6.727E-06
W	4.901E-06	1.468E-06	8.601E-07	6.472E-07	2.182E-06	3.676E-06	3.754E-06	4.014E-06	4.314E-06	4.634E-06	4.940E-06	5.241E-06
WNW	3.957E-06	2.576E-06	1.587E-06	1.134E-06	3.347E-06	4.705E-06	4.385E-06	4.446E-06	4.617E-06	4.848E-06	5.080E-06	5.321E-06
NW	3.858E-06	2.429E-06	1.851E-06	1.508E-06	5.361E-06	7.912E-06	6.929E-06	6.548E-06	6.385E-06	6.371E-06	6.387E-06	6.455E-06
NNW	4.714E-06	3.234E-06	2.446E-06	1.984E-06	7.095E-06	1.059E-05	9.164E-06	8.443E-06	7.998E-06	7.763E-06	7.583E-06	7.491E-06

TOTAL DOSE COMMITMENT IS 1.534E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: AZTP4AR.MIL 01/26/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.576E-05	5.740E-05	4.600E-05	3.855E-05	1.410E-04	1.991E-04	1.603E-04	1.393E-04	1.250E-04	1.156E-04	1.077E-04	1.019E-04
NNE	8.340E-05	6.762E-05	5.624E-05	4.811E-05	1.779E-04	2.426E-04	1.870E-04	1.576E-04	1.379E-04	1.246E-04	1.135E-04	1.050E-04
NE	6.782E-05	5.210E-05	4.195E-05	3.512E-05	1.241E-04	1.609E-04	1.230E-04	1.044E-04	9.263E-05	8.505E-05	7.882E-05	7.423E-05
ENE	5.714E-05	4.112E-05	3.174E-05	2.582E-05	8.615E-05	1.060E-04	7.980E-05	6.837E-05	6.183E-05	5.811E-05	5.526E-05	5.339E-05
E	4.913E-05	3.358E-05	2.544E-05	2.040E-05	6.584E-05	7.858E-05	5.933E-05	5.184E-05	4.812E-05	4.647E-05	4.538E-05	4.495E-05
ESE	5.061E-05	3.376E-05	2.325E-05	1.758E-05	5.215E-05	6.100E-05	4.953E-05	4.625E-05	4.531E-05	4.565E-05	4.622E-05	4.714E-05
SE	6.095E-05	3.442E-05	3.033E-05	2.664E-05	9.194E-05	1.107E-04	8.431E-05	7.657E-05	7.434E-05	7.486E-05	7.600E-05	7.783E-05
SSE	1.103E-04	1.060E-04	8.077E-05	6.192E-05	1.770E-04	1.837E-04	1.238E-04	1.063E-04	1.003E-04	9.935E-05	9.985E-05	1.016E-04
S	6.377E-04	2.401E-04	1.333E-04	8.314E-05	1.924E-04	1.912E-04	1.365E-04	1.250E-04	1.240E-04	1.275E-04	1.321E-04	1.375E-04
SSW	2.430E-03	3.499E-04	1.800E-04	1.093E-04	2.505E-04	2.537E-04	1.804E-04	1.629E-04	1.595E-04	1.621E-04	1.663E-04	1.718E-04
SW	2.065E-04	8.345E-05	5.515E-05	3.745E-05	1.011E-04	1.270E-04	1.079E-04	1.076E-04	1.118E-04	1.179E-04	1.243E-04	1.308E-04
WSW	6.573E-05	1.950E-05	1.434E-05	1.092E-05	3.590E-05	5.657E-05	5.392E-05	5.543E-05	5.800E-05	6.114E-05	6.424E-05	6.741E-05
W	6.827E-05	2.041E-05	1.189E-05	8.880E-06	2.898E-05	4.536E-05	4.325E-05	4.416E-05	4.591E-05	4.817E-05	5.040E-05	5.272E-05
WNW	5.511E-05	3.584E-05	2.202E-05	1.566E-05	4.525E-05	5.990E-05	5.236E-05	5.058E-05	5.061E-05	5.169E-05	5.295E-05	5.449E-05
NW	5.373E-05	3.379E-05	2.569E-05	2.087E-05	7.335E-05	1.048E-04	8.801E-05	8.007E-05	7.543E-05	7.307E-05	7.128E-05	7.036E-05
NNW	6.565E-05	4.500E-05	3.398E-05	2.749E-05	9.749E-05	1.421E-04	1.191E-04	1.064E-04	9.782E-05	9.234E-05	8.779E-05	8.461E-05

TOTAL DOSE COMMITMENT IS 1.933E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.957E-03	4.965E-02	6.971E-03	5.969E-03	3.598E-03	9.791E-01
GROUND	1.415E-03	1.415E-03	1.415E-03	1.415E-03	1.415E-03	1.415E-03
CLOUD	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03
VEG. ING	1.249E-02	1.440E-01	1.249E-02	4.155E-02	3.309E-02	1.249E-02
MEAT ING	1.124E-04	1.335E-03	1.124E-04	3.786E-04	3.039E-04	1.124E-04
MILK ING	7.980E-05	1.005E-03	7.980E-05	2.056E-04	1.695E-04	7.980E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.408E-02	2.035E-01	2.709E-02	5.554E-02	4.460E-02	9.992E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	2.480E-02	2.859E-01	2.480E-02	8.248E-02	6.568E-02	2.480E-02
MEAT ING	1.815E-03	2.157E-02	1.815E-03	6.117E-03	4.910E-03	1.815E-03
MILK ING	1.455E-03	1.832E-02	1.455E-03	3.747E-03	3.089E-03	1.455E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.017E+00	1.359E+01	2.451E-01	1.081E+00	1.062E+00	6.298E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.957E-03	4.965E-02	6.971E-03	5.969E-03	3.598E-03	9.791E-01
GROUND	1.415E-03	1.415E-03	1.415E-03	1.415E-03	1.415E-03	1.415E-03
CLOUD	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03
VEG. ING	3.729E-02	4.299E-01	3.729E-02	1.240E-01	9.877E-02	3.729E-02
MEAT ING	1.928E-03	2.291E-02	1.928E-03	6.495E-03	5.214E-03	1.928E-03

MILK ING	1.534E-03	1.933E-02	1.534E-03	3.953E-03	3.259E-03	1.534E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.041E+00	1.379E+01	2.722E-01	1.137E+00	1.107E+00	7.297E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	7.382E-08	1.230E-06	1.230E-06	1.227E-06	2.834E-02	4.722E-01	4.720E-01	4.720E-01
1	White Mesa Community	4	1.952E-08	3.252E-07	3.252E-07	3.245E-07	6.555E-02	1.092E+00	1.092E+00	1.092E+00
	CONCENTRATION TOTALS		9.334E-08	1.555E-06	1.555E-06	1.552E-06	9.389E-02	1.565E+00	1.564E+00	1.564E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	2.760E-07	4.599E-06	4.599E-06	4.589E-06	1.060E-01	1.766E+00	1.765E+00	1.765E+00
2	BHV-1	4	2.308E-07	3.845E-06	3.845E-06	3.836E-06	7.750E-01	1.291E+01	1.291E+01	1.291E+01
	CONCENTRATION TOTALS		5.068E-07	8.445E-06	8.444E-06	8.425E-06	8.810E-01	1.468E+01	1.467E+01	1.467E+01
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	8.726E-08	1.454E-06	1.454E-06	1.451E-06	3.350E-02	5.582E-01	5.580E-01	5.580E-01
3	BHV-2	4	5.839E-08	9.729E-07	9.729E-07	9.707E-07	1.961E-01	3.267E+00	3.266E+00	3.266E+00
	CONCENTRATION TOTALS		1.456E-07	2.427E-06	2.427E-06	2.421E-06	2.296E-01	3.826E+00	3.824E+00	3.824E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    2.033E-07    3.387E-06    3.387E-06    3.379E-06    7.803E-02    1.300E+00    1.300E+00
1.300E+00
  4  Nearest Resident      4    1.600E-07    2.667E-06    2.666E-06    2.660E-06    5.374E-01    8.955E+00    8.951E+00
8.951E+00
    CONCENTRATION TOTALS        3.633E-07    6.053E-06    6.053E-06    6.039E-06    6.154E-01    1.026E+01    1.025E+01
1.025E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
-----
  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    3.100E-08    5.166E-07    5.166E-07    5.154E-07    1.190E-02    1.983E-01    1.983E-01
1.983E-01
  5  Blanding              4    1.777E-08    2.962E-07    2.962E-07    2.955E-07    5.969E-02    9.946E-01    9.942E-01
9.942E-01
    CONCENTRATION TOTALS        4.878E-08    8.128E-07    8.128E-07    8.109E-07    7.159E-02    1.193E+00    1.192E+00
1.192E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
-----
  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    9.348E-07    1.558E-05    1.558E-05    1.554E-05    3.589E-01    5.980E+00    5.977E+00
5.977E+00
  6  Graz Loc 1            4    9.070E-07    1.511E-05    1.511E-05    1.508E-05    3.046E+00    5.076E+01    5.074E+01
5.074E+01
    CONCENTRATION TOTALS        1.842E-06    3.069E-05    3.069E-05    3.062E-05    3.405E+00    5.674E+01    5.671E+01
5.671E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
-----
  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    1.804E-06    3.007E-05    3.006E-05    3.000E-05    6.927E-01    1.154E+01    1.154E+01
1.154E+01
  7  Graz Loc 2            4    1.018E-06    1.697E-05    1.697E-05    1.693E-05    3.420E+00    5.699E+01    5.696E+01
5.696E+01
    CONCENTRATION TOTALS        2.823E-06    4.703E-05    4.703E-05    4.693E-05    4.113E+00    6.853E+01    6.850E+01
6.850E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: AZTP4AR.MIL                  01/26/08
                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	3.523E-01	3.520E-01	2.854E-01	2.350E-01	1.431E-06	9.328E-09	1.601E-12	2.686E-06	2.788E-01	2.788E-01	2.788E-01	2.591E-01
2	7.280E-01	6.947E-01	3.669E-01	2.257E-01	4.068E-07	8.298E-10	4.699E-14	3.418E-06	5.503E-01	5.503E-01	5.503E-01	7.366E-02
3	2.698E-01	2.679E-01	1.914E-01	1.490E-01	6.450E-07	2.974E-09	3.650E-13	1.802E-06	2.122E-01	2.122E-01	2.122E-01	1.168E-01
4	5.539E-01	5.374E-01	3.126E-01	2.099E-01	4.998E-07	1.339E-09	9.915E-14	2.921E-06	4.256E-01	4.256E-01	4.256E-01	9.052E-02
5	1.113E-01	1.112E-01	9.499E-02	8.183E-02	7.507E-07	7.594E-09	2.094E-12	9.014E-07	8.811E-02	8.811E-02	8.811E-02	1.359E-01
6	2.267E+00	1.987E+00	7.248E-01	2.969E-01	2.357E-07	2.224E-10	5.996E-15	6.828E-06	1.574E+00	1.574E+00	1.574E+00	4.269E-02
7	5.989E+00	5.213E+00	1.636E+00	5.168E-01	2.746E-07	1.776E-10	3.337E-15	1.559E-05	4.129E+00	4.129E+00	4.129E+00	4.972E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.42E-03	1.97E-02	1.31E-02	6.45E-03	5.37E-03	0.00E+00
INFANT	GROUND	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06
INFANT	CLOUD	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.35E-04	2.22E-03	1.25E-03	1.25E-03	1.13E-03	0.00E+00
INFANT	TOTALS	5.06E-03	2.19E-02	1.43E-02	7.70E-03	6.50E-03	5.23E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.81E-03	1.37E-02	5.75E-03	2.45E-03	1.71E-03	0.00E+00
CHILD	GROUND	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06
CHILD	CLOUD	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11
CHILD	VEG. ING	1.51E-03	7.57E-03	6.64E-03	6.64E-03	4.90E-03	0.00E+00
CHILD	MEAT ING	4.38E-05	2.19E-04	2.10E-04	2.10E-04	1.54E-04	0.00E+00
CHILD	MILK ING	8.47E-05	5.83E-04	2.83E-04	2.83E-04	2.14E-04	0.00E+00
CHILD	TOTALS	3.45E-03	2.20E-02	1.29E-02	9.60E-03	6.98E-03	5.23E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.24E-03	1.62E-02	2.94E-03	1.11E-03	8.84E-04	0.00E+00
TEENAGE	GROUND	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06
TEENAGE	CLOUD	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11
TEENAGE	VEG. ING	2.47E-03	4.01E-02	5.93E-03	5.93E-03	5.00E-03	0.00E+00
TEENAGE	MEAT ING	6.94E-05	1.13E-03	1.84E-04	1.84E-04	1.54E-04	0.00E+00
TEENAGE	MILK ING	1.25E-04	2.61E-03	1.82E-04	1.82E-04	1.64E-04	0.00E+00
TEENAGE	TOTALS	3.91E-03	6.01E-02	9.24E-03	7.41E-03	6.20E-03	5.23E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.11E-03	1.42E-02	2.40E-03	8.45E-04	6.24E-04	0.00E+00
ADULT	GROUND	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06	5.23E-06
ADULT	CLOUD	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11	9.53E-11
ADULT	VEG. ING	1.41E-03	1.71E-02	3.87E-03	3.87E-03	3.19E-03	0.00E+00
ADULT	MEAT ING	5.07E-05	6.23E-04	1.52E-04	1.52E-04	1.24E-04	0.00E+00
ADULT	MILK ING	2.41E-05	3.67E-04	4.51E-05	4.51E-05	3.90E-05	0.00E+00
ADULT	TOTALS	2.60E-03	3.24E-02	6.46E-03	4.91E-03	3.98E-03	5.23E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.11E-02	2.04E-02	1.31E-02	1.05E-02	6.92E-03	4.40E-01
INFANT	GROUND	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04
INFANT	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.68E-04	2.28E-03	1.37E-03	1.37E-03	1.24E-03	0.00E+00
INFANT	TOTALS	3.47E-02	2.57E-02	1.75E-02	1.48E-02	1.11E-02	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.84E-02	1.43E-02	5.79E-03	4.23E-03	2.44E-03	4.40E-01
CHILD	GROUND	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04
CHILD	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
CHILD	VEG. ING	1.64E-03	8.15E-03	7.34E-03	7.34E-03	5.41E-03	0.00E+00
CHILD	MEAT ING	4.79E-05	2.38E-04	2.32E-04	2.32E-04	1.71E-04	0.00E+00
CHILD	MILK ING	9.00E-05	6.07E-04	3.11E-04	3.11E-04	2.35E-04	0.00E+00

CHILD	TOTALS	3.31E-02	2.62E-02	1.66E-02	1.51E-02	1.12E-02	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.78E-02	1.77E-02	2.95E-03	1.87E-03	1.25E-03	4.40E-01
TEENAGE	GROUND	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04
TEENAGE	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
TEENAGE	VEG. ING	2.66E-03	4.30E-02	6.55E-03	6.55E-03	5.51E-03	0.00E+00
TEENAGE	MEAT ING	7.55E-05	1.22E-03	2.03E-04	2.03E-04	1.70E-04	0.00E+00
TEENAGE	MILK ING	1.30E-04	2.70E-03	2.00E-04	2.00E-04	1.79E-04	0.00E+00
TEENAGE	TOTALS	3.36E-02	6.76E-02	1.29E-02	1.18E-02	1.01E-02	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.76E-02	1.51E-02	2.41E-03	1.48E-03	9.30E-04	4.40E-01
ADULT	GROUND	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04
ADULT	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
ADULT	VEG. ING	1.53E-03	1.85E-02	4.27E-03	4.27E-03	3.52E-03	0.00E+00
ADULT	MEAT ING	5.54E-05	6.77E-04	1.68E-04	1.68E-04	1.37E-04	0.00E+00
ADULT	MILK ING	2.54E-05	3.82E-04	4.96E-05	4.96E-05	4.26E-05	0.00E+00
ADULT	TOTALS	3.22E-02	3.76E-02	9.87E-03	8.95E-03	7.60E-03	4.43E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.03E-02	9.47E-02	4.90E-02	3.45E-02	2.85E-02	0.00E+00
INFANT	GROUND	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05
INFANT	CLOUD	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.96E-03	2.08E-02	1.17E-02	1.17E-02	1.06E-02	0.00E+00
INFANT	TOTALS	2.63E-02	1.16E-01	6.08E-02	4.63E-02	3.92E-02	4.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.16E-03	6.52E-02	2.16E-02	1.31E-02	9.09E-03	0.00E+00
CHILD	GROUND	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05
CHILD	CLOUD	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10
CHILD	VEG. ING	1.41E-02	7.10E-02	6.23E-02	6.23E-02	4.60E-02	0.00E+00
CHILD	MEAT ING	4.11E-04	2.05E-03	1.97E-03	1.97E-03	1.45E-03	0.00E+00

CHILD	MILK ING	7.95E-04	5.47E-03	2.66E-03	2.66E-03	2.01E-03	0.00E+00
CHILD	TOTALS	2.35E-02	1.44E-01	8.86E-02	8.01E-02	5.86E-02	4.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.60E-03	7.88E-02	1.10E-02	5.93E-03	4.71E-03	0.00E+00
TEENAGE	GROUND	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05
TEENAGE	CLOUD	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10
TEENAGE	VEG. ING	2.32E-02	3.77E-01	5.56E-02	5.56E-02	4.69E-02	0.00E+00
TEENAGE	MEAT ING	6.51E-04	1.06E-02	1.72E-03	1.72E-03	1.44E-03	0.00E+00
TEENAGE	MILK ING	1.17E-03	2.45E-02	1.71E-03	1.71E-03	1.54E-03	0.00E+00
TEENAGE	TOTALS	3.06E-02	4.91E-01	7.01E-02	6.50E-02	5.46E-02	4.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.97E-03	6.81E-02	8.98E-03	4.52E-03	3.33E-03	0.00E+00
ADULT	GROUND	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05	4.90E-05
ADULT	CLOUD	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10	5.17E-10
ADULT	VEG. ING	1.32E-02	1.61E-01	3.63E-02	3.63E-02	2.99E-02	0.00E+00
ADULT	MEAT ING	4.76E-04	5.85E-03	1.42E-03	1.42E-03	1.17E-03	0.00E+00
ADULT	MILK ING	2.26E-04	3.44E-03	4.23E-04	4.23E-04	3.66E-04	0.00E+00
ADULT	TOTALS	1.90E-02	2.38E-01	4.72E-02	4.27E-02	3.48E-02	4.90E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.50E-02	9.49E-02	4.90E-02	3.56E-02	2.89E-02	9.10E-01
INFANT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
INFANT	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.97E-03	2.08E-02	1.18E-02	1.18E-02	1.07E-02	0.00E+00
INFANT	TOTALS	8.64E-02	1.21E-01	6.62E-02	5.28E-02	4.50E-02	9.15E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.28E-02	6.54E-02	2.16E-02	1.36E-02	9.30E-03	9.10E-01
CHILD	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03

CHILD	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
CHILD	VEG. ING	1.42E-02	7.12E-02	6.25E-02	6.25E-02	4.62E-02	0.00E+00
CHILD	MEAT ING	4.12E-04	2.06E-03	1.98E-03	1.98E-03	1.45E-03	0.00E+00
CHILD	MILK ING	7.96E-04	5.48E-03	2.66E-03	2.66E-03	2.01E-03	0.00E+00
CHILD	TOTALS	8.36E-02	1.50E-01	9.42E-02	8.63E-02	6.44E-02	9.15E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.02E-02	7.92E-02	1.10E-02	6.15E-03	4.81E-03	9.10E-01
TEENAGE	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
TEENAGE	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
TEENAGE	VEG. ING	2.32E-02	3.77E-01	5.58E-02	5.58E-02	4.70E-02	0.00E+00
TEENAGE	MEAT ING	6.53E-04	1.06E-02	1.73E-03	1.73E-03	1.45E-03	0.00E+00
TEENAGE	MILK ING	1.17E-03	2.45E-02	1.71E-03	1.71E-03	1.54E-03	0.00E+00
TEENAGE	TOTALS	9.07E-02	4.97E-01	7.57E-02	7.08E-02	6.03E-02	9.15E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.96E-02	6.84E-02	8.98E-03	4.70E-03	3.41E-03	9.10E-01
ADULT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
ADULT	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
ADULT	VEG. ING	1.33E-02	1.61E-01	3.64E-02	3.64E-02	3.00E-02	0.00E+00
ADULT	MEAT ING	4.77E-04	5.86E-03	1.43E-03	1.43E-03	1.17E-03	0.00E+00
ADULT	MILK ING	2.27E-04	3.44E-03	4.24E-04	4.24E-04	3.67E-04	0.00E+00
ADULT	TOTALS	7.90E-02	2.44E-01	5.27E-02	4.84E-02	4.04E-02	9.15E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.07E-03	2.80E-02	1.55E-02	9.95E-03	8.23E-03	0.00E+00
INFANT	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
INFANT	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.55E-03	5.42E-03	3.06E-03	3.06E-03	2.77E-03	0.00E+00
INFANT	TOTALS	7.63E-03	3.34E-02	1.85E-02	1.30E-02	1.10E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.45E-03	1.93E-02	6.81E-03	3.79E-03	2.62E-03	0.00E+00

CHILD	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
CHILD	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
CHILD	VEG. ING	3.68E-03	1.85E-02	1.62E-02	1.62E-02	1.20E-02	0.00E+00
CHILD	MEAT ING	1.07E-04	5.35E-04	5.13E-04	5.13E-04	3.78E-04	0.00E+00
CHILD	MILK ING	2.07E-04	1.43E-03	6.92E-04	6.92E-04	5.23E-04	0.00E+00
CHILD	TOTALS	6.46E-03	3.98E-02	2.43E-02	2.13E-02	1.55E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.68E-03	2.32E-02	3.48E-03	1.71E-03	1.36E-03	0.00E+00
TEENAGE	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
TEENAGE	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
TEENAGE	VEG. ING	6.04E-03	9.81E-02	1.45E-02	1.45E-02	1.22E-02	0.00E+00
TEENAGE	MEAT ING	1.70E-04	2.76E-03	4.49E-04	4.49E-04	3.76E-04	0.00E+00
TEENAGE	MILK ING	3.05E-04	6.39E-03	4.45E-04	4.45E-04	4.01E-04	0.00E+00
TEENAGE	TOTALS	8.21E-03	1.31E-01	1.89E-02	1.71E-02	1.44E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.50E-03	2.02E-02	2.84E-03	1.30E-03	9.60E-04	0.00E+00
ADULT	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
ADULT	CLOUD	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10	1.49E-10
ADULT	VEG. ING	3.45E-03	4.19E-02	9.45E-03	9.45E-03	7.79E-03	0.00E+00
ADULT	MEAT ING	1.24E-04	1.52E-03	3.71E-04	3.71E-04	3.04E-04	0.00E+00
ADULT	MILK ING	5.89E-05	8.96E-04	1.10E-04	1.10E-04	9.53E-05	0.00E+00
ADULT	TOTALS	5.14E-03	6.45E-02	1.28E-02	1.13E-02	9.17E-03	1.28E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.64E-02	2.83E-02	1.55E-02	1.18E-02	8.93E-03	3.37E-01
INFANT	GROUND	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04
INFANT	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.57E-03	5.45E-03	3.11E-03	3.11E-03	2.82E-03	0.00E+00
INFANT	TOTALS	3.04E-02	3.62E-02	2.10E-02	1.73E-02	1.42E-02	3.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.27E-02	1.96E-02	6.83E-03	4.59E-03	2.95E-03	3.37E-01
CHILD	GROUND	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04
CHILD	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
CHILD	VEG. ING	3.74E-03	1.88E-02	1.66E-02	1.66E-02	1.22E-02	0.00E+00
CHILD	MEAT ING	1.09E-04	5.44E-04	5.23E-04	5.23E-04	3.85E-04	0.00E+00
CHILD	MILK ING	2.10E-04	1.44E-03	7.05E-04	7.05E-04	5.33E-04	0.00E+00
CHILD	TOTALS	2.92E-02	4.28E-02	2.70E-02	2.48E-02	1.85E-02	3.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.20E-02	2.39E-02	3.49E-03	2.05E-03	1.52E-03	3.37E-01
TEENAGE	GROUND	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04
TEENAGE	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
TEENAGE	VEG. ING	6.12E-03	9.94E-02	1.48E-02	1.48E-02	1.25E-02	0.00E+00
TEENAGE	MEAT ING	1.72E-04	2.80E-03	4.58E-04	4.58E-04	3.83E-04	0.00E+00
TEENAGE	MILK ING	3.07E-04	6.43E-03	4.53E-04	4.53E-04	4.08E-04	0.00E+00
TEENAGE	TOTALS	3.10E-02	1.35E-01	2.16E-02	2.02E-02	1.72E-02	3.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.18E-02	2.05E-02	2.84E-03	1.59E-03	1.10E-03	3.37E-01
ADULT	GROUND	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04	7.34E-04
ADULT	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
ADULT	VEG. ING	3.50E-03	4.25E-02	9.64E-03	9.64E-03	7.94E-03	0.00E+00
ADULT	MEAT ING	1.26E-04	1.55E-03	3.78E-04	3.78E-04	3.10E-04	0.00E+00
ADULT	MILK ING	5.95E-05	9.03E-04	1.12E-04	1.12E-04	9.69E-05	0.00E+00
ADULT	TOTALS	2.79E-02	6.79E-02	1.54E-02	1.41E-02	1.19E-02	3.40E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.47E-02	6.84E-02	3.61E-02	2.48E-02	2.05E-02	0.00E+00
INFANT	GROUND	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05
INFANT	CLOUD	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.16E-03	1.45E-02	8.20E-03	8.20E-03	7.43E-03	0.00E+00
INFANT	TOTALS	1.89E-02	8.30E-02	4.43E-02	3.30E-02	2.79E-02	3.43E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.92E-03	4.71E-02	1.59E-02	9.43E-03	6.52E-03	0.00E+00
CHILD	GROUND	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05
CHILD	CLOUD	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10
CHILD	VEG. ING	9.87E-03	4.96E-02	4.35E-02	4.35E-02	3.21E-02	0.00E+00
CHILD	MEAT ING	2.87E-04	1.44E-03	1.38E-03	1.38E-03	1.01E-03	0.00E+00
CHILD	MILK ING	5.55E-04	3.82E-03	1.86E-03	1.86E-03	1.40E-03	0.00E+00
CHILD	TOTALS	1.67E-02	1.02E-01	6.27E-02	5.62E-02	4.11E-02	3.43E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.07E-03	5.69E-02	8.11E-03	4.26E-03	3.38E-03	0.00E+00
TEENAGE	GROUND	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05
TEENAGE	CLOUD	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10
TEENAGE	VEG. ING	1.62E-02	2.63E-01	3.89E-02	3.89E-02	3.28E-02	0.00E+00
TEENAGE	MEAT ING	4.55E-04	7.40E-03	1.20E-03	1.20E-03	1.01E-03	0.00E+00
TEENAGE	MILK ING	8.16E-04	1.71E-02	1.19E-03	1.19E-03	1.08E-03	0.00E+00
TEENAGE	TOTALS	2.16E-02	3.45E-01	4.94E-02	4.56E-02	3.83E-02	3.43E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.61E-03	4.92E-02	6.61E-03	3.25E-03	2.39E-03	0.00E+00
ADULT	GROUND	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05	3.43E-05
ADULT	CLOUD	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10
ADULT	VEG. ING	9.24E-03	1.12E-01	2.53E-02	2.53E-02	2.09E-02	0.00E+00
ADULT	MEAT ING	3.32E-04	4.09E-03	9.94E-04	9.94E-04	8.15E-04	0.00E+00
ADULT	MILK ING	1.58E-04	2.40E-03	2.95E-04	2.95E-04	2.55E-04	0.00E+00
ADULT	TOTALS	1.34E-02	1.68E-01	3.33E-02	2.99E-02	2.44E-02	3.43E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.63E-02	6.87E-02	3.61E-02	2.62E-02	2.10E-02	6.92E-01
INFANT	GROUND	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03
INFANT	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	4.17E-03	1.46E-02	8.24E-03	8.24E-03	7.46E-03	0.00E+00
INFANT	TOTALS	6.49E-02	8.76E-02	4.87E-02	3.88E-02	3.29E-02	6.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.75E-02	4.73E-02	1.59E-02	1.00E-02	6.78E-03	6.92E-01
CHILD	GROUND	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03
CHILD	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
CHILD	VEG. ING	9.91E-03	4.98E-02	4.38E-02	4.38E-02	3.23E-02	0.00E+00
CHILD	MEAT ING	2.88E-04	1.44E-03	1.38E-03	1.38E-03	1.02E-03	0.00E+00
CHILD	MILK ING	5.57E-04	3.83E-03	1.87E-03	1.87E-03	1.41E-03	0.00E+00
CHILD	TOTALS	6.27E-02	1.07E-01	6.73E-02	6.15E-02	4.59E-02	6.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.57E-02	5.74E-02	8.12E-03	4.52E-03	3.51E-03	6.92E-01
TEENAGE	GROUND	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03
TEENAGE	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
TEENAGE	VEG. ING	1.63E-02	2.64E-01	3.91E-02	3.91E-02	3.29E-02	0.00E+00
TEENAGE	MEAT ING	4.57E-04	7.43E-03	1.21E-03	1.21E-03	1.01E-03	0.00E+00
TEENAGE	MILK ING	8.18E-04	1.72E-02	1.20E-03	1.20E-03	1.08E-03	0.00E+00
TEENAGE	TOTALS	6.76E-02	3.50E-01	5.40E-02	5.04E-02	4.29E-02	6.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.52E-02	4.95E-02	6.62E-03	3.47E-03	2.49E-03	6.92E-01
ADULT	GROUND	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03	1.94E-03
ADULT	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
ADULT	VEG. ING	9.29E-03	1.13E-01	2.55E-02	2.55E-02	2.10E-02	0.00E+00
ADULT	MEAT ING	3.34E-04	4.11E-03	9.99E-04	9.99E-04	8.20E-04	0.00E+00
ADULT	MILK ING	1.58E-04	2.41E-03	2.97E-04	2.97E-04	2.57E-04	0.00E+00
ADULT	TOTALS	5.93E-02	1.73E-01	3.78E-02	3.46E-02	2.90E-02	6.97E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.08E-03	9.54E-03	5.49E-03	3.34E-03	2.77E-03	0.00E+00
INFANT	GROUND	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06
INFANT	CLOUD	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.84E-04	1.69E-03	9.54E-04	9.54E-04	8.64E-04	0.00E+00
INFANT	TOTALS	2.57E-03	1.12E-02	6.45E-03	4.30E-03	3.63E-03	3.99E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.45E-04	6.60E-03	2.42E-03	1.27E-03	8.81E-04	0.00E+00
CHILD	GROUND	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06
CHILD	CLOUD	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11
CHILD	VEG. ING	1.15E-03	5.77E-03	5.07E-03	5.07E-03	3.74E-03	0.00E+00
CHILD	MEAT ING	3.34E-05	1.67E-04	1.60E-04	1.60E-04	1.18E-04	0.00E+00
CHILD	MILK ING	6.46E-05	4.45E-04	2.16E-04	2.16E-04	1.63E-04	0.00E+00
CHILD	TOTALS	2.09E-03	1.30E-02	7.87E-03	6.72E-03	4.91E-03	3.99E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.79E-04	7.91E-03	1.24E-03	5.74E-04	4.56E-04	0.00E+00
TEENAGE	GROUND	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06
TEENAGE	CLOUD	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11
TEENAGE	VEG. ING	1.88E-03	3.06E-02	4.52E-03	4.52E-03	3.81E-03	0.00E+00
TEENAGE	MEAT ING	5.29E-05	8.61E-04	1.40E-04	1.40E-04	1.17E-04	0.00E+00
TEENAGE	MILK ING	9.50E-05	1.99E-03	1.39E-04	1.39E-04	1.25E-04	0.00E+00
TEENAGE	TOTALS	2.61E-03	4.14E-02	6.04E-03	5.38E-03	4.51E-03	3.99E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.16E-04	6.88E-03	1.01E-03	4.38E-04	3.22E-04	0.00E+00
ADULT	GROUND	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06	3.99E-06
ADULT	CLOUD	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11	4.98E-11
ADULT	VEG. ING	1.08E-03	1.31E-02	2.95E-03	2.95E-03	2.43E-03	0.00E+00
ADULT	MEAT ING	3.87E-05	4.75E-04	1.16E-04	1.16E-04	9.48E-05	0.00E+00
ADULT	MILK ING	1.84E-05	2.80E-04	3.44E-05	3.44E-05	2.97E-05	0.00E+00
ADULT	TOTALS	1.65E-03	2.07E-02	4.11E-03	3.54E-03	2.88E-03	3.99E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.06E-02	9.95E-03	5.53E-03	5.44E-03	3.58E-03	1.39E-01

INFANT	GROUND	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04
INFANT	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.01E-04	1.72E-03	1.02E-03	1.02E-03	9.20E-04	0.00E+00
INFANT	TOTALS	1.22E-02	1.28E-02	7.69E-03	7.60E-03	5.65E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.26E-03	6.91E-03	2.44E-03	2.21E-03	1.27E-03	1.39E-01
CHILD	GROUND	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04
CHILD	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
CHILD	VEG. ING	1.22E-03	6.08E-03	5.43E-03	5.43E-03	4.01E-03	0.00E+00
CHILD	MEAT ING	3.55E-05	1.77E-04	1.72E-04	1.72E-04	1.26E-04	0.00E+00
CHILD	MILK ING	6.74E-05	4.57E-04	2.31E-04	2.31E-04	1.74E-04	0.00E+00
CHILD	TOTALS	1.17E-02	1.48E-02	9.42E-03	9.18E-03	6.72E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.99E-03	8.67E-03	1.24E-03	9.75E-04	6.49E-04	1.39E-01
TEENAGE	GROUND	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04
TEENAGE	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
TEENAGE	VEG. ING	1.98E-03	3.21E-02	4.85E-03	4.85E-03	4.08E-03	0.00E+00
TEENAGE	MEAT ING	5.61E-05	9.08E-04	1.50E-04	1.50E-04	1.26E-04	0.00E+00
TEENAGE	MILK ING	9.79E-05	2.04E-03	1.48E-04	1.48E-04	1.33E-04	0.00E+00
TEENAGE	TOTALS	1.23E-02	4.49E-02	7.54E-03	7.27E-03	6.13E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.92E-03	7.33E-03	1.01E-03	7.71E-04	4.83E-04	1.39E-01
ADULT	GROUND	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04	2.33E-04
ADULT	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
ADULT	VEG. ING	1.14E-03	1.38E-02	3.16E-03	3.16E-03	2.60E-03	0.00E+00
ADULT	MEAT ING	4.11E-05	5.04E-04	1.24E-04	1.24E-04	1.02E-04	0.00E+00
ADULT	MILK ING	1.91E-05	2.87E-04	3.67E-05	3.67E-05	3.16E-05	0.00E+00
ADULT	TOTALS	1.13E-02	2.30E-02	5.48E-03	5.24E-03	4.37E-03	1.40E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	7.18E-02	3.37E-01	1.66E-01	1.25E-01	1.03E-01	0.00E+00
INFANT	GROUND	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04
INFANT	CLOUD	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.30E-02	8.04E-02	4.53E-02	4.53E-02	4.11E-02	0.00E+00
INFANT	TOTALS	9.50E-02	4.18E-01	2.12E-01	1.71E-01	1.45E-01	1.90E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.87E-02	2.32E-01	7.31E-02	4.77E-02	3.29E-02	0.00E+00
CHILD	GROUND	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04
CHILD	CLOUD	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09
CHILD	VEG. ING	5.46E-02	2.74E-01	2.41E-01	2.41E-01	1.78E-01	0.00E+00
CHILD	MEAT ING	1.59E-03	7.94E-03	7.61E-03	7.61E-03	5.60E-03	0.00E+00
CHILD	MILK ING	3.07E-03	2.11E-02	1.03E-02	1.03E-02	7.76E-03	0.00E+00
CHILD	TOTALS	8.82E-02	5.36E-01	3.32E-01	3.07E-01	2.24E-01	1.90E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.98E-02	2.81E-01	3.74E-02	2.15E-02	1.71E-02	0.00E+00
TEENAGE	GROUND	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04
TEENAGE	CLOUD	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09
TEENAGE	VEG. ING	8.95E-02	1.46E+00	2.15E-01	2.15E-01	1.81E-01	0.00E+00
TEENAGE	MEAT ING	2.52E-03	4.09E-02	6.66E-03	6.66E-03	5.57E-03	0.00E+00
TEENAGE	MILK ING	4.52E-03	9.48E-02	6.59E-03	6.59E-03	5.95E-03	0.00E+00
TEENAGE	TOTALS	1.17E-01	1.87E+00	2.66E-01	2.50E-01	2.10E-01	1.90E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.75E-02	2.43E-01	3.04E-02	1.64E-02	1.21E-02	0.00E+00
ADULT	GROUND	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04
ADULT	CLOUD	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09	1.88E-09
ADULT	VEG. ING	5.11E-02	6.21E-01	1.40E-01	1.40E-01	1.16E-01	0.00E+00
ADULT	MEAT ING	1.84E-03	2.26E-02	5.50E-03	5.50E-03	4.51E-03	0.00E+00
ADULT	MILK ING	8.74E-04	1.33E-02	1.63E-03	1.63E-03	1.41E-03	0.00E+00
ADULT	TOTALS	7.15E-02	9.00E-01	1.78E-01	1.64E-01	1.34E-01	1.90E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.42E-01	3.38E-01	1.66E-01	1.26E-01	1.04E-01	2.83E+00
INFANT	GROUND	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
INFANT	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.30E-02	8.04E-02	4.54E-02	4.54E-02	4.11E-02	0.00E+00
INFANT	TOTALS	2.79E-01	4.32E-01	2.26E-01	1.86E-01	1.59E-01	2.85E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.99E-01	2.32E-01	7.31E-02	4.79E-02	3.31E-02	2.83E+00
CHILD	GROUND	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
CHILD	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
CHILD	VEG. ING	5.46E-02	2.74E-01	2.41E-01	2.41E-01	1.78E-01	0.00E+00
CHILD	MEAT ING	1.59E-03	7.94E-03	7.61E-03	7.61E-03	5.60E-03	0.00E+00
CHILD	MILK ING	3.07E-03	2.11E-02	1.03E-02	1.03E-02	7.76E-03	0.00E+00
CHILD	TOTALS	2.73E-01	5.50E-01	3.47E-01	3.21E-01	2.39E-01	2.85E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.90E-01	2.81E-01	3.74E-02	2.16E-02	1.71E-02	2.83E+00
TEENAGE	GROUND	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
TEENAGE	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
TEENAGE	VEG. ING	8.96E-02	1.46E+00	2.15E-01	2.15E-01	1.81E-01	0.00E+00
TEENAGE	MEAT ING	2.52E-03	4.10E-02	6.66E-03	6.66E-03	5.57E-03	0.00E+00
TEENAGE	MILK ING	4.52E-03	9.48E-02	6.60E-03	6.60E-03	5.96E-03	0.00E+00
TEENAGE	TOTALS	3.01E-01	1.89E+00	2.80E-01	2.64E-01	2.24E-01	2.85E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.88E-01	2.43E-01	3.04E-02	1.65E-02	1.21E-02	2.83E+00
ADULT	GROUND	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
ADULT	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
ADULT	VEG. ING	5.12E-02	6.21E-01	1.40E-01	1.40E-01	1.16E-01	0.00E+00
ADULT	MEAT ING	1.84E-03	2.26E-02	5.50E-03	5.50E-03	4.51E-03	0.00E+00
ADULT	MILK ING	8.74E-04	1.33E-02	1.64E-03	1.64E-03	1.41E-03	0.00E+00
ADULT	TOTALS	2.56E-01	9.14E-01	1.92E-01	1.78E-01	1.48E-01	2.85E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.21E-01	5.53E-01	3.20E-01	1.93E-01	1.60E-01	0.00E+00
INFANT	GROUND	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04
INFANT	CLOUD	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.78E-02	9.71E-02	5.48E-02	5.48E-02	4.96E-02	0.00E+00
INFANT	TOTALS	1.49E-01	6.51E-01	3.75E-01	2.48E-01	2.10E-01	2.29E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.91E-02	3.83E-01	1.41E-01	7.36E-02	5.10E-02	0.00E+00
CHILD	GROUND	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04
CHILD	CLOUD	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09
CHILD	VEG. ING	6.59E-02	3.31E-01	2.91E-01	2.91E-01	2.15E-01	0.00E+00
CHILD	MEAT ING	1.92E-03	9.59E-03	9.19E-03	9.19E-03	6.76E-03	0.00E+00
CHILD	MILK ING	3.71E-03	2.55E-02	1.24E-02	1.24E-02	9.37E-03	0.00E+00
CHILD	TOTALS	1.21E-01	7.49E-01	4.54E-01	3.86E-01	2.82E-01	2.29E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.36E-02	4.59E-01	7.19E-02	3.32E-02	2.64E-02	0.00E+00
TEENAGE	GROUND	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04
TEENAGE	CLOUD	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09
TEENAGE	VEG. ING	1.08E-01	1.76E+00	2.60E-01	2.60E-01	2.19E-01	0.00E+00
TEENAGE	MEAT ING	3.04E-03	4.95E-02	8.04E-03	8.04E-03	6.73E-03	0.00E+00
TEENAGE	MILK ING	5.46E-03	1.14E-01	7.97E-03	7.97E-03	7.19E-03	0.00E+00
TEENAGE	TOTALS	1.50E-01	2.38E+00	3.48E-01	3.09E-01	2.59E-01	2.29E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.99E-02	3.99E-01	5.86E-02	2.53E-02	1.87E-02	0.00E+00
ADULT	GROUND	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04	2.29E-04
ADULT	CLOUD	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09	2.88E-09
ADULT	VEG. ING	6.18E-02	7.50E-01	1.69E-01	1.69E-01	1.40E-01	0.00E+00
ADULT	MEAT ING	2.22E-03	2.73E-02	6.64E-03	6.64E-03	5.45E-03	0.00E+00
ADULT	MILK ING	1.06E-03	1.61E-02	1.97E-03	1.97E-03	1.71E-03	0.00E+00
ADULT	TOTALS	9.52E-02	1.19E+00	2.37E-01	2.04E-01	1.66E-01	2.29E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.70E-01	5.53E-01	3.20E-01	1.94E-01	1.60E-01	7.49E+00
INFANT	GROUND	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
INFANT	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.78E-02	9.71E-02	5.48E-02	5.48E-02	4.96E-02	0.00E+00
INFANT	TOTALS	6.18E-01	6.71E-01	3.95E-01	2.69E-01	2.30E-01	7.51E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.98E-01	3.83E-01	1.41E-01	7.39E-02	5.12E-02	7.49E+00
CHILD	GROUND	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
CHILD	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
CHILD	VEG. ING	6.60E-02	3.32E-01	2.91E-01	2.91E-01	2.15E-01	0.00E+00
CHILD	MEAT ING	1.92E-03	9.60E-03	9.20E-03	9.20E-03	6.77E-03	0.00E+00
CHILD	MILK ING	3.71E-03	2.55E-02	1.24E-02	1.24E-02	9.37E-03	0.00E+00
CHILD	TOTALS	5.90E-01	7.70E-01	4.74E-01	4.07E-01	3.03E-01	7.51E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.83E-01	4.59E-01	7.19E-02	3.34E-02	2.65E-02	7.49E+00
TEENAGE	GROUND	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
TEENAGE	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
TEENAGE	VEG. ING	1.08E-01	1.76E+00	2.60E-01	2.60E-01	2.19E-01	0.00E+00
TEENAGE	MEAT ING	3.04E-03	4.95E-02	8.05E-03	8.05E-03	6.73E-03	0.00E+00
TEENAGE	MILK ING	5.46E-03	1.15E-01	7.97E-03	7.97E-03	7.19E-03	0.00E+00
TEENAGE	TOTALS	6.20E-01	2.40E+00	3.68E-01	3.30E-01	2.80E-01	7.51E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.79E-01	3.99E-01	5.86E-02	2.55E-02	1.87E-02	7.49E+00
ADULT	GROUND	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
ADULT	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
ADULT	VEG. ING	6.18E-02	7.50E-01	1.69E-01	1.69E-01	1.40E-01	0.00E+00
ADULT	MEAT ING	2.22E-03	2.73E-02	6.64E-03	6.64E-03	5.45E-03	0.00E+00
ADULT	MILK ING	1.06E-03	1.61E-02	1.98E-03	1.98E-03	1.71E-03	0.00E+00
ADULT	TOTALS	5.65E-01	1.21E+00	2.57E-01	2.24E-01	1.86E-01	7.51E+00

0Program execution time = 0.17 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: AZTP4BR.MIL 01/26/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -1.1226E+03 -8.8659E+02 -9.2141E+02 -8.8659E+02 -1.1226E+03 -6.8541E+02 -9.2141E+02 -6.8541E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -1.1226E+03 YS= -8.8659E+02
NODE NO. = 2 XS= -1.1226E+03 YS= -7.8600E+02
NODE NO. = 3 XS= -1.1226E+03 YS= -6.8541E+02
NODE NO. = 4 XS= -1.0220E+03 YS= -8.8659E+02
NODE NO. = 5 XS= -1.0220E+03 YS= -7.8600E+02
NODE NO. = 6 XS= -1.0220E+03 YS= -6.8541E+02
NODE NO. = 7 XS= -9.2141E+02 YS= -8.8659E+02
NODE NO. = 8 XS= -9.2141E+02 YS= -7.8600E+02
NODE NO. = 9 XS= -9.2141E+02 YS= -6.8541E+02

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: AZTP4BR.MIL 01/26/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-1.02	-0.79	-12.00	0.0405	6.90E-04	1.15E-02	1.15E-02	1.15E-02	1.02E+02	5001	3	0.00E+00	Tailings Cell 4B

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	1.07E+02	1.78E+03	1.78E+03	1.78E+03
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

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METSET: DATA: AZTP4BR.MIL 01/26/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	8.051E-07	1.342E-05	1.341E-05	1.338E-05	1.054E+00	9.765E-01	4.518E-01	2.470E-01	3.589E-07	4.218E-06
2.5	4.070E-07	6.782E-06	6.781E-06	6.766E-06	6.315E-01	6.106E-01	3.487E-01	2.282E-01	4.937E-07	3.248E-06
3.5	2.399E-07	3.998E-06	3.998E-06	3.989E-06	4.285E-01	4.218E-01	2.762E-01	2.010E-01	6.006E-07	2.584E-06
4.5	1.591E-07	2.650E-06	2.650E-06	2.644E-06	3.156E-01	3.132E-01	2.243E-01	1.740E-01	6.775E-07	2.109E-06
7.5	7.035E-08	1.172E-06	1.172E-06	1.169E-06	1.665E-01	1.664E-01	1.375E-01	1.164E-01	7.943E-07	1.303E-06
15.0	2.432E-08	4.053E-07	4.053E-07	4.044E-07	6.864E-02	6.868E-02	6.412E-02	5.899E-02	8.297E-07	6.159E-07
25.0	1.139E-08	1.899E-07	1.899E-07	1.894E-07	3.504E-02	3.506E-02	3.434E-02	3.319E-02	7.920E-07	3.340E-07
35.0	6.912E-09	1.152E-07	1.152E-07	1.149E-07	2.244E-02	2.245E-02	2.232E-02	2.201E-02	7.492E-07	2.184E-07
45.0	4.718E-09	7.862E-08	7.862E-08	7.844E-08	1.603E-02	1.604E-02	1.603E-02	1.595E-02	7.112E-07	1.573E-07
55.0	3.483E-09	5.803E-08	5.803E-08	5.790E-08	1.229E-02	1.230E-02	1.233E-02	1.231E-02	6.781E-07	1.211E-07
65.0	2.666E-09	4.443E-08	4.442E-08	4.432E-08	9.763E-03	9.768E-03	9.802E-03	9.810E-03	6.493E-07	9.635E-08
75.0	2.113E-09	3.521E-08	3.521E-08	3.513E-08	7.999E-03	8.003E-03	8.036E-03	8.053E-03	6.240E-07	7.902E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	1.444E+00	2.406E+01	2.405E+01	2.405E+01	0.000E+00	2.482E+01	2.482E+01	2.482E+01	6.500E-02
2.5	6.896E-01	1.149E+01	1.149E+01	1.149E+01	0.000E+00	1.197E+01	1.197E+01	1.197E+01	8.941E-02
3.5	3.879E-01	6.464E+00	6.461E+00	6.461E+00	0.000E+00	6.795E+00	6.795E+00	6.795E+00	1.088E-01
4.5	2.479E-01	4.132E+00	4.130E+00	4.130E+00	0.000E+00	4.378E+00	4.378E+00	4.378E+00	1.227E-01
7.5	1.033E-01	1.722E+00	1.721E+00	1.721E+00	0.000E+00	1.853E+00	1.853E+00	1.853E+00	1.438E-01
15.0	3.376E-02	5.626E-01	5.624E-01	5.624E-01	0.000E+00	6.168E-01	6.168E-01	6.168E-01	1.503E-01
25.0	1.515E-02	2.524E-01	2.523E-01	2.523E-01	0.000E+00	2.801E-01	2.801E-01	2.801E-01	1.434E-01
35.0	8.750E-03	1.458E-01	1.457E-01	1.457E-01	0.000E+00	1.635E-01	1.635E-01	1.635E-01	1.357E-01
45.0	5.649E-03	9.414E-02	9.410E-02	9.410E-02	0.000E+00	1.068E-01	1.068E-01	1.068E-01	1.288E-01
55.0	3.938E-03	6.562E-02	6.559E-02	6.559E-02	0.000E+00	7.534E-02	7.534E-02	7.534E-02	1.228E-01
65.0	2.832E-03	4.719E-02	4.717E-02	4.717E-02	0.000E+00	5.491E-02	5.491E-02	5.491E-02	1.176E-01
75.0	2.106E-03	3.509E-02	3.507E-02	3.507E-02	0.000E+00	4.141E-02	4.141E-02	4.141E-02	1.130E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.761E-08	6.268E-07	6.267E-07	6.264E-07
2.5	1.796E-08	2.993E-07	2.993E-07	3.001E-07
3.5	1.010E-08	1.684E-07	1.684E-07	1.698E-07
4.5	6.459E-09	1.076E-07	1.076E-07	1.094E-07
7.5	2.691E-09	4.485E-08	4.485E-08	4.713E-08
15.0	8.795E-10	1.466E-08	1.465E-08	1.711E-08
25.0	3.946E-10	6.575E-09	6.574E-09	8.935E-09
35.0	2.279E-10	3.798E-09	3.798E-09	6.037E-09
45.0	1.472E-10	2.452E-09	2.452E-09	4.580E-09
55.0	1.026E-10	1.709E-09	1.709E-09	3.740E-09
65.0	7.376E-11	1.229E-09	1.229E-09	3.174E-09
75.0	5.485E-11	9.140E-10	9.139E-10	2.784E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.244E-07	5.406E-06	5.405E-06	5.393E-06	6.546E-01	6.248E-01	3.386E-01	1.999E-01	3.148E-07	3.106E-06
2.5	1.671E-07	2.784E-06	2.784E-06	2.777E-06	3.946E-01	3.866E-01	2.478E-01	1.719E-01	4.011E-07	2.296E-06
3.5	1.027E-07	1.711E-06	1.711E-06	1.707E-06	2.719E-01	2.692E-01	1.911E-01	1.450E-01	4.629E-07	1.787E-06
4.5	6.996E-08	1.166E-06	1.166E-06	1.163E-06	2.025E-01	2.015E-01	1.530E-01	1.225E-01	5.048E-07	1.440E-06
7.5	3.142E-08	5.236E-07	5.236E-07	5.224E-07	1.082E-01	1.082E-01	9.192E-02	7.920E-02	5.618E-07	8.729E-07
15.0	1.038E-08	1.729E-07	1.729E-07	1.725E-07	4.486E-02	4.489E-02	4.222E-02	3.915E-02	5.627E-07	4.063E-07

25.0	4.499E-09	7.497E-08	7.496E-08	7.479E-08	2.268E-02	2.270E-02	2.228E-02	2.161E-02	5.279E-07	2.169E-07
35.0	2.592E-09	4.318E-08	4.318E-08	4.308E-08	1.440E-02	1.441E-02	1.433E-02	1.415E-02	4.949E-07	1.403E-07
45.0	1.707E-09	2.845E-08	2.845E-08	2.838E-08	1.021E-02	1.022E-02	1.022E-02	1.016E-02	4.669E-07	1.002E-07
55.0	1.230E-09	2.049E-08	2.049E-08	2.044E-08	7.782E-03	7.787E-03	7.804E-03	7.792E-03	4.432E-07	7.665E-08
65.0	9.223E-10	1.537E-08	1.537E-08	1.533E-08	6.144E-03	6.148E-03	6.169E-03	6.173E-03	4.228E-07	6.063E-08
75.0	7.191E-10	1.198E-08	1.198E-08	1.196E-08	5.007E-03	5.010E-03	5.030E-03	5.040E-03	4.050E-07	4.946E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	5.160E-01	8.598E+00	8.594E+00	8.594E+00	0.000E+00	9.089E+00	9.089E+00	9.089E+00	5.702E-02
2.5	2.466E-01	4.109E+00	4.108E+00	4.108E+00	0.000E+00	4.414E+00	4.414E+00	4.414E+00	7.264E-02
3.5	1.434E-01	2.390E+00	2.389E+00	2.389E+00	0.000E+00	2.602E+00	2.602E+00	2.602E+00	8.383E-02
4.5	9.353E-02	1.559E+00	1.558E+00	1.558E+00	0.000E+00	1.717E+00	1.717E+00	1.717E+00	9.143E-02
7.5	3.872E-02	6.451E-01	6.449E-01	6.449E-01	0.000E+00	7.305E-01	7.305E-01	7.305E-01	1.017E-01
15.0	1.162E-02	1.937E-01	1.936E-01	1.936E-01	0.000E+00	2.292E-01	2.292E-01	2.292E-01	1.019E-01
25.0	4.769E-03	7.947E-02	7.943E-02	7.943E-02	0.000E+00	9.741E-02	9.741E-02	9.741E-02	9.560E-02
35.0	2.633E-03	4.387E-02	4.385E-02	4.385E-02	0.000E+00	5.527E-02	5.527E-02	5.527E-02	8.962E-02
45.0	1.661E-03	2.768E-02	2.767E-02	2.767E-02	0.000E+00	3.576E-02	3.576E-02	3.576E-02	8.456E-02
55.0	1.146E-03	1.909E-02	1.909E-02	1.909E-02	0.000E+00	2.525E-02	2.525E-02	2.525E-02	8.026E-02
65.0	8.202E-04	1.367E-02	1.366E-02	1.366E-02	0.000E+00	1.853E-02	1.853E-02	1.853E-02	7.657E-02
75.0	6.097E-04	1.016E-02	1.016E-02	1.016E-02	0.000E+00	1.412E-02	1.412E-02	1.412E-02	7.335E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.344E-08	2.240E-07	2.240E-07	2.244E-07
2.5	6.424E-09	1.070E-07	1.070E-07	1.080E-07
3.5	3.736E-09	6.225E-08	6.225E-08	6.349E-08
4.5	2.436E-09	4.060E-08	4.060E-08	4.202E-08
7.5	1.008E-09	1.680E-08	1.680E-08	1.845E-08
15.0	3.028E-10	5.045E-09	5.045E-09	6.722E-09
25.0	1.242E-10	2.070E-09	2.070E-09	3.649E-09
35.0	6.858E-11	1.143E-09	1.143E-09	2.625E-09
45.0	4.327E-11	7.211E-10	7.211E-10	2.120E-09
55.0	2.985E-11	4.974E-10	4.974E-10	1.826E-09
65.0	2.136E-11	3.560E-10	3.560E-10	1.624E-09
75.0	1.588E-11	2.646E-10	2.646E-10	1.479E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.584E-06	2.640E-05	2.640E-05	2.634E-05	3.723E+00	3.352E+00	1.189E+00	4.192E-01	2.567E-07	1.104E-05
2.5	1.152E-06	1.919E-05	1.919E-05	1.915E-05	2.677E+00	2.516E+00	1.141E+00	5.613E-01	6.056E-07	1.047E-05
3.5	6.929E-07	1.155E-05	1.155E-05	1.152E-05	1.773E+00	1.720E+00	9.320E-01	5.597E-01	9.625E-07	8.584E-06
4.5	4.339E-07	7.231E-06	7.230E-06	7.214E-06	1.294E+00	1.279E+00	7.988E-01	5.395E-01	1.319E-06	7.380E-06
7.5	1.642E-07	2.736E-06	2.736E-06	2.729E-06	6.367E-01	6.363E-01	4.961E-01	3.906E-01	1.918E-06	4.628E-06
15.0	4.563E-08	7.604E-07	7.604E-07	7.586E-07	2.423E-01	2.424E-01	2.235E-01	2.003E-01	2.198E-06	2.130E-06
25.0	1.675E-08	2.792E-07	2.792E-07	2.785E-07	1.157E-01	1.158E-01	1.137E-01	1.098E-01	2.135E-06	1.105E-06
35.0	8.641E-09	1.440E-07	1.440E-07	1.437E-07	7.157E-02	7.161E-02	7.142E-02	7.066E-02	2.021E-06	6.994E-07
45.0	5.227E-09	8.710E-08	8.710E-08	8.690E-08	4.994E-02	4.997E-02	5.008E-02	4.997E-02	1.912E-06	4.917E-07
55.0	3.524E-09	5.872E-08	5.872E-08	5.858E-08	3.766E-02	3.768E-02	3.782E-02	3.786E-02	1.815E-06	3.718E-07
65.0	2.488E-09	4.146E-08	4.146E-08	4.136E-08	2.949E-02	2.951E-02	2.964E-02	2.971E-02	1.730E-06	2.915E-07
75.0	1.841E-09	3.067E-08	3.067E-08	3.060E-08	2.388E-02	2.389E-02	2.401E-02	2.408E-02	1.655E-06	2.361E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.226E+00	3.709E+01	3.708E+01	3.708E+01	0.000E+00	3.973E+01	3.973E+01	3.973E+01	4.648E-02
2.5	1.546E+00	2.575E+01	2.574E+01	2.574E+01	0.000E+00	2.774E+01	2.774E+01	2.774E+01	1.097E-01
3.5	8.368E-01	1.394E+01	1.394E+01	1.394E+01	0.000E+00	1.530E+01	1.530E+01	1.530E+01	1.743E-01
4.5	4.419E-01	7.363E+00	7.360E+00	7.360E+00	0.000E+00	8.373E+00	8.373E+00	8.373E+00	2.389E-01
7.5	1.265E-01	2.108E+00	2.108E+00	2.108E+00	0.000E+00	2.612E+00	2.612E+00	2.612E+00	3.473E-01
15.0	2.766E-02	4.610E-01	4.608E-01	4.608E-01	0.000E+00	6.528E-01	6.528E-01	6.528E-01	3.980E-01
25.0	9.136E-03	1.522E-01	1.522E-01	1.522E-01	0.000E+00	2.439E-01	2.439E-01	2.439E-01	3.867E-01
35.0	4.538E-03	7.563E-02	7.559E-02	7.559E-02	0.000E+00	1.323E-01	1.323E-01	1.323E-01	3.660E-01
45.0	2.690E-03	4.482E-02	4.480E-02	4.480E-02	0.000E+00	8.438E-02	8.438E-02	8.438E-02	3.462E-01
55.0	1.787E-03	2.977E-02	2.976E-02	2.976E-02	0.000E+00	5.961E-02	5.961E-02	5.961E-02	3.286E-01
65.0	1.244E-03	2.074E-02	2.073E-02	2.073E-02	0.000E+00	4.410E-02	4.410E-02	4.410E-02	3.133E-01
75.0	9.084E-04	1.514E-02	1.513E-02	1.513E-02	0.000E+00	3.406E-02	3.406E-02	3.406E-02	2.997E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	5.798E-08	9.662E-07	9.661E-07	9.647E-07
2.5	4.026E-08	6.709E-07	6.708E-07	6.711E-07
3.5	2.180E-08	3.632E-07	3.632E-07	3.652E-07

4.5	1.151E-08	1.918E-07	1.918E-07	1.953E-07
7.5	3.296E-09	5.492E-08	5.492E-08	6.055E-08
15.0	7.206E-10	1.201E-08	1.201E-08	1.857E-08
25.0	2.380E-10	3.965E-09	3.965E-09	1.036E-08
35.0	1.182E-10	1.970E-09	1.970E-09	8.028E-09
45.0	7.006E-11	1.167E-09	1.167E-09	6.900E-09
55.0	4.654E-11	7.756E-10	7.756E-10	6.218E-09
65.0	3.241E-11	5.401E-10	5.401E-10	5.729E-09
75.0	2.366E-11	3.943E-10	3.943E-10	5.358E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	7.470E-06	1.245E-04	1.245E-04	1.242E-04	1.356E+01	1.068E+01	2.338E+00	5.130E-01	1.745E-07	2.477E-05
2.5	2.912E-06	4.852E-05	4.852E-05	4.841E-05	7.168E+00	6.589E+00	2.388E+00	9.375E-01	7.168E-07	2.239E-05
3.5	1.449E-06	2.414E-05	2.414E-05	2.409E-05	4.011E+00	3.878E+00	1.843E+00	9.638E-01	1.337E-06	1.693E-05
4.5	8.047E-07	1.341E-05	1.341E-05	1.338E-05	2.462E+00	2.435E+00	1.413E+00	8.778E-01	1.813E-06	1.294E-05
7.5	2.689E-07	4.481E-06	4.480E-06	4.470E-06	1.006E+00	1.005E+00	7.670E-01	5.842E-01	2.569E-06	7.103E-06
15.0	7.037E-08	1.173E-06	1.173E-06	1.170E-06	3.444E-01	3.446E-01	3.164E-01	2.809E-01	2.835E-06	3.007E-06
25.0	2.496E-08	4.159E-07	4.159E-07	4.149E-07	1.566E-01	1.567E-01	1.540E-01	1.487E-01	2.703E-06	1.496E-06
35.0	1.270E-08	2.115E-07	2.115E-07	2.111E-07	9.484E-02	9.490E-02	9.471E-02	9.379E-02	2.532E-06	9.277E-07
45.0	7.613E-09	1.269E-07	1.269E-07	1.266E-07	6.539E-02	6.543E-02	6.558E-02	6.548E-02	2.379E-06	6.441E-07
55.0	5.093E-09	8.486E-08	8.486E-08	8.466E-08	4.889E-02	4.892E-02	4.911E-02	4.917E-02	2.246E-06	4.828E-07
65.0	3.577E-09	5.960E-08	5.960E-08	5.947E-08	3.806E-02	3.808E-02	3.825E-02	3.835E-02	2.133E-06	3.762E-07
75.0	2.634E-09	4.389E-08	4.389E-08	4.379E-08	3.068E-02	3.070E-02	3.085E-02	3.094E-02	2.034E-06	3.034E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.147E+01	1.911E+02	1.910E+02	1.910E+02	0.000E+00	1.995E+02	1.995E+02	1.995E+02	3.161E-02
2.5	2.887E+00	4.811E+01	4.809E+01	4.809E+01	0.000E+00	5.330E+01	5.330E+01	5.330E+01	1.298E-01
3.5	1.198E+00	1.996E+01	1.995E+01	1.995E+01	0.000E+00	2.302E+01	2.302E+01	2.302E+01	2.422E-01

4.5	5.921E-01	9.866E+00	9.862E+00	9.862E+00	0.000E+00	1.179E+01	1.179E+01	1.179E+01	3.284E-01
7.5	1.642E-01	2.737E+00	2.736E+00	2.736E+00	0.000E+00	3.532E+00	3.532E+00	3.532E+00	4.652E-01
15.0	3.723E-02	6.204E-01	6.201E-01	6.201E-01	0.000E+00	8.931E-01	8.931E-01	8.931E-01	5.134E-01
25.0	1.242E-02	2.070E-01	2.069E-01	2.069E-01	0.000E+00	3.310E-01	3.310E-01	3.310E-01	4.896E-01
35.0	6.206E-03	1.034E-01	1.034E-01	1.034E-01	0.000E+00	1.785E-01	1.785E-01	1.785E-01	4.586E-01
45.0	3.682E-03	6.135E-02	6.132E-02	6.132E-02	0.000E+00	1.131E-01	1.131E-01	1.131E-01	4.308E-01
55.0	2.440E-03	4.066E-02	4.064E-02	4.064E-02	0.000E+00	7.939E-02	7.939E-02	7.939E-02	4.068E-01
65.0	1.696E-03	2.826E-02	2.825E-02	2.825E-02	0.000E+00	5.842E-02	5.842E-02	5.842E-02	3.862E-01
75.0	1.235E-03	2.059E-02	2.058E-02	2.058E-02	0.000E+00	4.489E-02	4.489E-02	4.489E-02	3.683E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.987E-07	4.978E-06	4.978E-06	4.967E-06
2.5	7.520E-08	1.253E-06	1.253E-06	1.252E-06
3.5	3.120E-08	5.200E-07	5.199E-07	5.228E-07
4.5	1.542E-08	2.570E-07	2.570E-07	2.618E-07
7.5	4.278E-09	7.129E-08	7.128E-08	7.883E-08
15.0	9.697E-10	1.616E-08	1.616E-08	2.463E-08
25.0	3.236E-10	5.392E-09	5.392E-09	1.349E-08
35.0	1.617E-10	2.694E-09	2.694E-09	1.028E-08
45.0	9.590E-11	1.598E-09	1.598E-09	8.731E-09
55.0	6.356E-11	1.059E-09	1.059E-09	7.796E-09
65.0	4.418E-11	7.362E-10	7.362E-10	7.133E-09
75.0	3.218E-11	5.362E-10	5.362E-10	6.636E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.584E-06	4.306E-05	4.306E-05	4.296E-05	5.000E+00	4.423E+00	1.304E+00	3.573E-01	1.542E-07	1.250E-05
2.5	3.498E-07	5.830E-06	5.829E-06	5.816E-06	1.487E+00	1.447E+00	7.616E-01	3.611E-01	3.216E-07	6.698E-06
3.5	1.207E-07	2.012E-06	2.012E-06	2.007E-06	7.549E-01	7.483E-01	5.084E-01	3.221E-01	5.123E-07	4.550E-06
4.5	6.247E-08	1.041E-06	1.041E-06	1.038E-06	4.568E-01	4.557E-01	3.612E-01	2.735E-01	6.560E-07	3.321E-06
7.5	2.013E-08	3.354E-07	3.354E-07	3.347E-07	1.868E-01	1.869E-01	1.730E-01	1.584E-01	8.752E-07	1.660E-06
15.0	5.989E-09	9.980E-08	9.980E-08	9.957E-08	6.567E-02	6.571E-02	6.458E-02	6.290E-02	9.237E-07	6.297E-07
25.0	2.561E-09	4.268E-08	4.268E-08	4.258E-08	3.074E-02	3.075E-02	3.075E-02	3.059E-02	8.593E-07	3.017E-07

35.0	1.497E-09	2.495E-08	2.495E-08	2.490E-08	1.892E-02	1.893E-02	1.900E-02	1.901E-02	7.977E-07
1.868E-07									
45.0	1.001E-09	1.667E-08	1.667E-08	1.664E-08	1.318E-02	1.319E-02	1.325E-02	1.328E-02	7.475E-07
1.303E-07									
55.0	7.270E-10	1.212E-08	1.211E-08	1.209E-08	9.920E-03	9.925E-03	9.972E-03	1.000E-02	7.061E-07
9.809E-08									
65.0	5.497E-10	9.160E-09	9.160E-09	9.139E-09	7.756E-03	7.761E-03	7.798E-03	7.825E-03	6.712E-07
7.671E-08									
75.0	4.307E-10	7.177E-09	7.177E-09	7.160E-09	6.269E-03	6.272E-03	6.303E-03	6.325E-03	6.410E-07
6.201E-08									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.278E+00	7.129E+01	7.126E+01	7.126E+01	0.000E+00	7.477E+01	7.477E+01	7.477E+01	2.792E-02
2.5	4.632E-01	7.718E+00	7.715E+00	7.715E+00	0.000E+00	8.861E+00	8.861E+00	8.861E+00	5.825E-02
3.5	1.384E-01	2.307E+00	2.306E+00	2.306E+00	0.000E+00	2.899E+00	2.899E+00	2.899E+00	9.278E-02
4.5	6.808E-02	1.134E+00	1.134E+00	1.134E+00	0.000E+00	1.495E+00	1.495E+00	1.495E+00	1.188E-01
7.5	2.079E-02	3.465E-01	3.463E-01	3.463E-01	0.000E+00	4.944E-01	4.944E-01	4.944E-01	1.585E-01
15.0	6.194E-03	1.032E-01	1.032E-01	1.032E-01	0.000E+00	1.552E-01	1.552E-01	1.552E-01	1.673E-01
25.0	2.625E-03	4.374E-02	4.372E-02	4.372E-02	0.000E+00	6.808E-02	6.808E-02	6.808E-02	1.556E-01
35.0	1.488E-03	2.480E-02	2.479E-02	2.479E-02	0.000E+00	3.979E-02	3.979E-02	3.979E-02	1.445E-01
45.0	9.531E-04	1.588E-02	1.588E-02	1.588E-02	0.000E+00	2.632E-02	2.632E-02	2.632E-02	1.354E-01
55.0	6.612E-04	1.102E-02	1.101E-02	1.101E-02	0.000E+00	1.887E-02	1.887E-02	1.887E-02	1.279E-01
65.0	4.751E-04	7.916E-03	7.913E-03	7.913E-03	0.000E+00	1.406E-02	1.406E-02	1.406E-02	1.215E-01
75.0	3.533E-04	5.887E-03	5.885E-03	5.885E-03	0.000E+00	1.085E-02	1.085E-02	1.085E-02	1.161E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.114E-07	1.857E-06	1.857E-06	1.853E-06
2.5	1.206E-08	2.010E-07	2.010E-07	2.015E-07
3.5	3.606E-09	6.009E-08	6.009E-08	6.149E-08
4.5	1.773E-09	2.955E-08	2.955E-08	3.145E-08
7.5	5.416E-10	9.025E-09	9.025E-09	1.163E-08
15.0	1.613E-10	2.689E-09	2.689E-09	5.453E-09
25.0	6.838E-11	1.139E-09	1.139E-09	3.715E-09
35.0	3.877E-11	6.460E-10	6.460E-10	3.038E-09
45.0	2.483E-11	4.137E-10	4.137E-10	2.655E-09
55.0	1.722E-11	2.870E-10	2.870E-10	2.405E-09
65.0	1.238E-11	2.062E-10	2.062E-10	2.219E-09
75.0	9.203E-12	1.534E-10	1.534E-10	2.076E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.435E-03	0.000E+00	0.000E+00	2.476E-04	0.000E+00	0.000E+00	0.000E+00	3.248E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.551E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.233E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.780E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.091E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.290E-05	9.939E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.726E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.186E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.591E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.283E-05	0.000E+00	1.384E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.741E-07	0.000E+00	0.000E+00	7.780E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.677E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.190E-02	0.000E+00	0.000E+00	2.838E-03	0.000E+00	0.000E+00	0.000E+00	3.308E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.019E-04	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.187E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.288E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.003E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.353E-04	9.614E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.059E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.927E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.718E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.800E-04	0.000E+00	1.190E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.157E-06	0.000E+00	0.000E+00	6.741E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.600E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.428E-03 0.000E+00 0.000E+00 3.461E-04 0.000E+00 0.000E+00 0.000E+00
3.319E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.099E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.771E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.561E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.644E-07 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.714E-05 8.746E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.209E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.107E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.405E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.199E-05 0.000E+00
5.356E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.790E-07 0.000E+00 0.000E+00
3.063E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 6.419E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.460E-01 0.000E+00 0.000E+00 4.833E-02 0.000E+00 0.000E+00 0.000E+00
4.588E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.828E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.899E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.388E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.922E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.668E-02 2.734E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.069E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.478E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.872E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.886E-03 0.000E+00
2.378E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.609E-04 0.000E+00 0.000E+00
1.153E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.172E-01 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.079E-03 0.000E+00 0.000E+00 6.439E-05 0.000E+00 0.000E+00 0.000E+00
4.350E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.798E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.241E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.043E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.156E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.266E-06 9.343E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.233E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.005E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.823E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.360E-06 0.000E+00
5.408E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.025E-08 0.000E+00 0.000E+00
3.750E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.308E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.190E-03 0.000E+00 0.000E+00 4.070E-04 0.000E+00 0.000E+00 0.000E+00
4.034E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.582E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.913E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.277E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.662E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.431E-04 2.382E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.150E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.954E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.906E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.722E-05 0.000E+00
2.101E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.419E-06 0.000E+00 0.000E+00
1.019E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.738E-03 PERSON-REM/YR
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.237E-04 9.875E-05 7.807E-05 6.458E-05 2.303E-04 3.272E-04 2.771E-04 2.554E-04 2.436E-04 2.385E-04 2.351E-04
2.342E-04
     NNE     8.605E-05 7.886E-05 6.992E-05 6.228E-05 2.466E-04 3.632E-04 2.988E-04 2.669E-04 2.471E-04 2.355E-04 2.264E-04
2.205E-04
     NE      6.271E-05 5.527E-05 4.815E-05 4.247E-05 1.651E-04 2.400E-04 2.004E-04 1.833E-04 1.740E-04 1.698E-04 1.670E-04
1.660E-04
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     ENE     5.020E-05 4.173E-05 3.514E-05 3.034E-05 1.135E-04 1.618E-04 1.367E-04 1.288E-04 1.264E-04 1.272E-04 1.287E-04
1.312E-04
     E       4.429E-05 3.549E-05 2.912E-05 2.471E-05 8.933E-05 1.255E-04 1.087E-04 1.059E-04 1.074E-04 1.110E-04 1.151E-04
1.197E-04
     ESE     4.466E-05 3.287E-05 2.565E-05 2.104E-05 7.266E-05 1.055E-04 1.009E-04 1.057E-04 1.126E-04 1.205E-04 1.282E-04
1.359E-04
     SE      4.689E-05 3.177E-05 2.891E-05 2.858E-05 1.194E-04 1.794E-04 1.678E-04 1.741E-04 1.856E-04 1.994E-04 2.130E-04
2.265E-04
     SSE     5.863E-05 8.671E-05 7.820E-05 6.766E-05 2.309E-04 2.883E-04 2.392E-04 2.364E-04 2.463E-04 2.616E-04 2.774E-04
2.938E-04
     S       1.906E-04 2.209E-04 1.680E-04 1.152E-04 2.929E-04 3.382E-04 2.948E-04 3.084E-04 3.340E-04 3.636E-04 3.926E-04
4.212E-04
     SSW     9.813E-04 4.124E-04 2.405E-04 1.545E-04 3.811E-04 4.495E-04 3.855E-04 3.968E-04 4.242E-04 4.572E-04 4.900E-04
5.227E-04
     SW      1.533E-02 5.157E-04 1.767E-04 9.570E-05 2.098E-04 2.744E-04 2.682E-04 2.942E-04 3.251E-04 3.570E-04 3.874E-04
4.167E-04
     WSW     1.329E-03 7.075E-05 3.560E-05 2.338E-05 6.919E-05 1.211E-04 1.314E-04 1.476E-04 1.641E-04 1.804E-04 1.958E-04
2.106E-04
     W       3.661E-04 6.632E-05 2.818E-05 1.838E-05 5.460E-05 9.567E-05 1.036E-04 1.157E-04 1.281E-04 1.404E-04 1.520E-04
1.632E-04
     WNW     1.892E-04 8.593E-05 5.016E-05 3.295E-05 8.576E-05 1.207E-04 1.174E-04 1.244E-04 1.336E-04 1.437E-04 1.536E-04
1.633E-04
     NW      1.476E-04 8.558E-05 5.160E-05 3.971E-05 1.298E-04 1.888E-04 1.714E-04 1.686E-04 1.706E-04 1.756E-04 1.809E-04
1.870E-04
     NNW     1.347E-04 9.062E-05 6.616E-05 5.184E-05 1.723E-04 2.472E-04 2.189E-04 2.087E-04 2.047E-04 2.050E-04 2.062E-04
2.091E-04

                TOTAL DOSE COMMITMENT IS 5.029E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.477E-03 1.179E-03 9.316E-04 7.702E-04 2.740E-03 3.868E-03 3.246E-03 2.967E-03 2.807E-03 2.729E-03 2.673E-03
2.649E-03
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NNE	1.027E-03	9.413E-04	8.344E-04	7.428E-04	2.936E-03	4.305E-03	3.519E-03	3.121E-03	2.870E-03	2.718E-03	2.597E-03	2.516E-03
NE	7.487E-04	6.596E-04	5.744E-04	5.064E-04	1.964E-03	2.838E-03	2.349E-03	2.131E-03	2.008E-03	1.946E-03	1.902E-03	1.880E-03
ENE	5.993E-04	4.980E-04	4.191E-04	3.616E-04	1.349E-03	1.905E-03	1.592E-03	1.484E-03	1.444E-03	1.443E-03	1.451E-03	1.472E-03
E	5.287E-04	4.235E-04	3.472E-04	2.943E-04	1.060E-03	1.471E-03	1.256E-03	1.210E-03	1.216E-03	1.249E-03	1.287E-03	1.333E-03
ESE	5.331E-04	3.922E-04	3.058E-04	2.504E-04	8.597E-04	1.227E-03	1.153E-03	1.194E-03	1.262E-03	1.343E-03	1.423E-03	1.503E-03
SE	5.597E-04	3.790E-04	3.446E-04	3.403E-04	1.414E-03	2.089E-03	1.918E-03	1.966E-03	2.078E-03	2.220E-03	2.361E-03	2.504E-03
SSE	6.999E-04	1.035E-03	9.329E-04	8.065E-04	2.741E-03	3.373E-03	2.744E-03	2.676E-03	2.762E-03	2.916E-03	3.078E-03	3.249E-03
S	2.275E-03	2.638E-03	2.006E-03	1.374E-03	3.475E-03	3.935E-03	3.351E-03	3.459E-03	3.717E-03	4.026E-03	4.333E-03	4.637E-03
SSW	1.172E-02	4.923E-03	2.871E-03	1.842E-03	4.520E-03	5.233E-03	4.389E-03	4.458E-03	4.728E-03	5.069E-03	5.413E-03	5.759E-03
SW	1.830E-01	6.157E-03	2.108E-03	1.140E-03	2.477E-03	3.159E-03	3.022E-03	3.279E-03	3.602E-03	3.940E-03	4.265E-03	4.580E-03
WSW	1.587E-02	8.446E-04	4.244E-04	2.781E-04	8.131E-04	1.389E-03	1.481E-03	1.648E-03	1.821E-03	1.995E-03	2.159E-03	2.317E-03
W	4.372E-03	7.917E-04	3.360E-04	2.186E-04	6.416E-04	1.099E-03	1.170E-03	1.293E-03	1.423E-03	1.554E-03	1.677E-03	1.797E-03
WNW	2.259E-03	1.026E-03	5.983E-04	3.925E-04	1.014E-03	1.400E-03	1.337E-03	1.401E-03	1.493E-03	1.598E-03	1.701E-03	1.803E-03
NW	1.762E-03	1.022E-03	6.155E-04	4.731E-04	1.540E-03	2.214E-03	1.982E-03	1.930E-03	1.936E-03	1.979E-03	2.027E-03	2.086E-03
NNW	1.609E-03	1.082E-03	7.893E-04	6.180E-04	2.048E-03	2.911E-03	2.549E-03	2.408E-03	2.342E-03	2.330E-03	2.329E-03	2.349E-03

TOTAL DOSE COMMITMENT IS 5.853E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       6.125E-06 4.891E-06 3.869E-06 3.202E-06 1.145E-05 1.641E-05 1.405E-05 1.309E-05 1.260E-05 1.243E-05 1.235E-05
1.238E-05
     NNE     4.261E-06 3.906E-06 3.465E-06 3.087E-06 1.225E-05 1.815E-05 1.506E-05 1.356E-05 1.266E-05 1.216E-05 1.177E-05
1.155E-05
     NE      3.106E-06 2.738E-06 2.387E-06 2.107E-06 8.211E-06 1.203E-05 1.015E-05 9.383E-06 8.992E-06 8.843E-06 8.760E-06
8.764E-06
     ENE     2.486E-06 2.068E-06 1.743E-06 1.506E-06 5.655E-06 8.149E-06 6.989E-06 6.664E-06 6.607E-06 6.702E-06 6.829E-06
7.001E-06
     E       2.193E-06 1.759E-06 1.444E-06 1.227E-06 4.458E-06 6.353E-06 5.603E-06 5.534E-06 5.669E-06 5.908E-06 6.161E-06
6.436E-06
     ESE     2.212E-06 1.629E-06 1.273E-06 1.046E-06 3.639E-06 5.398E-06 5.274E-06 5.595E-06 6.016E-06 6.479E-06 6.924E-06
7.363E-06
     SE      2.322E-06 1.575E-06 1.435E-06 1.421E-06 5.974E-06 9.165E-06 8.765E-06 9.228E-06 9.929E-06 1.073E-05 1.151E-05
1.229E-05
     SSE     2.903E-06 4.295E-06 3.877E-06 3.358E-06 1.152E-05 1.465E-05 1.243E-05 1.249E-05 1.315E-05 1.406E-05 1.498E-05
1.592E-05
     S       9.435E-06 1.094E-05 8.325E-06 5.715E-06 1.462E-05 1.730E-05 1.549E-05 1.646E-05 1.799E-05 1.968E-05 2.133E-05
2.294E-05
     SSW     4.858E-05 2.042E-05 1.192E-05 7.661E-06 1.903E-05 2.297E-05 2.022E-05 2.114E-05 2.281E-05 2.472E-05 2.660E-05
2.845E-05
     SW      7.588E-04 2.553E-05 8.753E-06 4.751E-06 1.053E-05 1.421E-05 1.424E-05 1.581E-05 1.759E-05 1.939E-05 2.111E-05
2.275E-05
     WSW     6.581E-05 3.504E-06 1.766E-06 1.163E-06 3.495E-06 6.295E-06 6.976E-06 7.916E-06 8.860E-06 9.781E-06 1.065E-05
1.148E-05
     W       1.813E-05 3.284E-06 1.398E-06 9.151E-07 2.758E-06 4.970E-06 5.493E-06 6.198E-06 6.908E-06 7.605E-06 8.262E-06
8.890E-06
     WNW     9.365E-06 4.256E-06 2.486E-06 1.636E-06 4.299E-06 6.203E-06 6.163E-06 6.615E-06 7.164E-06 7.750E-06 8.315E-06
8.870E-06
     NW      7.307E-06 4.239E-06 2.558E-06 1.971E-06 6.478E-06 9.567E-06 8.824E-06 8.795E-06 8.989E-06 9.319E-06 9.661E-06
1.004E-05
     NNW     6.671E-06 4.489E-06 3.279E-06 2.572E-06 8.585E-06 1.246E-05 1.118E-05 1.078E-05 1.068E-05 1.078E-05 1.092E-05
1.114E-05

                TOTAL DOSE COMMITMENT IS 2.571E-03 PERSON-REM/YR

                                        WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                         ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                         FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                         BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                         TABLE FOR THIS INFORMATION.
1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08

                             TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	7.538E-05	6.017E-05	4.758E-05	3.936E-05	1.404E-04	1.999E-04	1.696E-04	1.566E-04	1.497E-04	1.468E-04	1.449E-04	1.446E-04
NNE	5.244E-05	4.806E-05	4.261E-05	3.796E-05	1.503E-04	2.217E-04	1.827E-04	1.634E-04	1.515E-04	1.447E-04	1.393E-04	1.358E-04
NE	3.822E-05	3.368E-05	2.934E-05	2.589E-05	1.007E-04	1.466E-04	1.226E-04	1.124E-04	1.069E-04	1.045E-04	1.029E-04	1.024E-04
ENE	3.059E-05	2.543E-05	2.142E-05	1.850E-05	6.925E-05	9.889E-05	8.383E-05	7.914E-05	7.783E-05	7.843E-05	7.949E-05	8.111E-05
E	2.699E-05	2.163E-05	1.775E-05	1.506E-05	5.451E-05	7.677E-05	6.674E-05	6.520E-05	6.624E-05	6.862E-05	7.121E-05	7.410E-05
ESE	2.721E-05	2.003E-05	1.564E-05	1.283E-05	4.437E-05	6.469E-05	6.215E-05	6.523E-05	6.964E-05	7.463E-05	7.947E-05	8.428E-05
SE	2.857E-05	1.936E-05	1.763E-05	1.743E-05	7.290E-05	1.100E-04	1.033E-04	1.075E-04	1.148E-04	1.235E-04	1.320E-04	1.405E-04
SSE	3.573E-05	5.284E-05	4.766E-05	4.125E-05	1.409E-04	1.766E-04	1.471E-04	1.459E-04	1.523E-04	1.620E-04	1.719E-04	1.822E-04
S	1.161E-04	1.346E-04	1.024E-04	7.024E-05	1.788E-04	2.074E-04	1.817E-04	1.907E-04	2.069E-04	2.254E-04	2.436E-04	2.615E-04
SSW	5.979E-04	2.513E-04	1.466E-04	9.416E-05	2.326E-04	2.756E-04	2.375E-04	2.453E-04	2.627E-04	2.834E-04	3.040E-04	3.244E-04
SW	9.339E-03	3.142E-04	1.077E-04	5.834E-05	1.282E-04	1.686E-04	1.657E-04	1.821E-04	2.016E-04	2.215E-04	2.406E-04	2.588E-04
WSW	8.100E-04	4.311E-05	2.170E-05	1.426E-05	4.232E-05	7.447E-05	8.118E-05	9.134E-05	1.017E-04	1.119E-04	1.215E-04	1.307E-04
W	2.231E-04	4.041E-05	1.718E-05	1.121E-05	3.340E-05	5.884E-05	6.399E-05	7.158E-05	7.936E-05	8.706E-05	9.435E-05	1.013E-04
WNW	1.153E-04	5.236E-05	3.057E-05	2.009E-05	5.238E-05	7.410E-05	7.237E-05	7.688E-05	8.270E-05	8.906E-05	9.524E-05	1.013E-04
NW	8.992E-05	5.215E-05	3.145E-05	2.421E-05	7.921E-05	1.156E-04	1.052E-04	1.038E-04	1.052E-04	1.084E-04	1.119E-04	1.157E-04
NNW	8.210E-05	5.522E-05	4.032E-05	3.160E-05	1.051E-04	1.511E-04	1.342E-04	1.282E-04	1.260E-04	1.264E-04	1.273E-04	1.292E-04

TOTAL DOSE COMMITMENT IS 3.083E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.957E-06	4.750E-06	3.750E-06	3.095E-06	1.093E-05	1.509E-05	1.228E-05	1.089E-05	1.000E-05	9.471E-06	9.042E-06	8.754E-06
NNE	4.142E-06	3.793E-06	3.358E-06	2.986E-06	1.175E-05	1.696E-05	1.354E-05	1.173E-05	1.053E-05	9.741E-06	9.088E-06	8.609E-06
NE	3.018E-06	2.656E-06	2.310E-06	2.033E-06	7.833E-06	1.108E-05	8.900E-06	7.840E-06	7.181E-06	6.781E-06	6.463E-06	6.247E-06
ENE	2.416E-06	2.005E-06	1.684E-06	1.449E-06	5.355E-06	7.341E-06	5.882E-06	5.280E-06	4.968E-06	4.825E-06	4.733E-06	4.698E-06
E	2.131E-06	1.704E-06	1.394E-06	1.178E-06	4.189E-06	5.587E-06	4.522E-06	4.165E-06	4.036E-06	4.032E-06	4.058E-06	4.122E-06
ESE	2.149E-06	1.578E-06	1.226E-06	9.998E-07	3.365E-06	4.518E-06	3.974E-06	3.923E-06	4.010E-06	4.166E-06	4.330E-06	4.508E-06
SE	2.256E-06	1.524E-06	1.381E-06	1.359E-06	5.549E-06	7.735E-06	6.617E-06	6.443E-06	6.568E-06	6.848E-06	7.143E-06	7.468E-06
SSE	2.822E-06	4.170E-06	3.751E-06	3.234E-06	1.085E-05	1.270E-05	9.616E-06	8.872E-06	8.804E-06	9.048E-06	9.355E-06	9.728E-06
S	9.178E-06	1.064E-05	8.077E-06	5.520E-06	1.372E-05	1.451E-05	1.131E-05	1.103E-05	1.144E-05	1.212E-05	1.283E-05	1.358E-05
SSW	4.727E-05	1.986E-05	1.156E-05	7.398E-06	1.784E-05	1.936E-05	1.491E-05	1.433E-05	1.465E-05	1.534E-05	1.611E-05	1.693E-05
SW	7.384E-04	2.483E-05	8.487E-06	4.569E-06	9.630E-06	1.122E-05	9.832E-06	1.018E-05	1.087E-05	1.168E-05	1.249E-05	1.329E-05
WSW	6.403E-05	3.404E-06	1.704E-06	1.107E-06	3.109E-06	4.867E-06	4.827E-06	5.151E-06	5.544E-06	5.963E-06	6.369E-06	6.767E-06
W	1.764E-05	3.190E-06	1.348E-06	8.697E-07	2.453E-06	3.860E-06	3.831E-06	4.064E-06	4.352E-06	4.663E-06	4.965E-06	5.263E-06
WNW	9.110E-06	4.134E-06	2.406E-06	1.571E-06	3.958E-06	5.095E-06	4.537E-06	4.537E-06	4.680E-06	4.894E-06	5.117E-06	5.352E-06
NW	7.106E-06	4.116E-06	2.474E-06	1.896E-06	6.082E-06	8.395E-06	7.162E-06	6.694E-06	6.488E-06	6.449E-06	6.447E-06	6.503E-06
NNW	6.488E-06	4.358E-06	3.175E-06	2.480E-06	8.129E-06	1.121E-05	9.449E-06	8.617E-06	8.117E-06	7.853E-06	7.652E-06	7.545E-06

TOTAL DOSE COMMITMENT IS 2.161E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: AZTP4BR.MIL 01/26/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.297E-05	6.613E-05	5.215E-05	4.299E-05	1.510E-04	2.050E-04	1.627E-04	1.406E-04	1.258E-04	1.162E-04	1.081E-04	1.022E-04
NNE	5.769E-05	5.280E-05	4.671E-05	4.149E-05	1.626E-04	2.321E-04	1.821E-04	1.546E-04	1.359E-04	1.232E-04	1.124E-04	1.042E-04
NE	4.203E-05	3.697E-05	3.211E-05	2.822E-05	1.082E-04	1.507E-04	1.181E-04	1.015E-04	9.063E-05	8.353E-05	7.767E-05	7.334E-05
ENE	3.363E-05	2.789E-05	2.339E-05	2.010E-05	7.372E-05	9.874E-05	7.643E-05	6.633E-05	6.044E-05	5.704E-05	5.445E-05	5.276E-05
E	2.967E-05	2.370E-05	1.936E-05	1.632E-05	5.748E-05	7.427E-05	5.742E-05	5.070E-05	4.734E-05	4.585E-05	4.491E-05	4.457E-05
ESE	2.992E-05	2.194E-05	1.702E-05	1.382E-05	4.582E-05	5.854E-05	4.840E-05	4.552E-05	4.478E-05	4.520E-05	4.586E-05	4.684E-05
SE	3.142E-05	2.119E-05	1.916E-05	1.879E-05	7.573E-05	1.007E-04	8.071E-05	7.452E-05	7.293E-05	7.379E-05	7.513E-05	7.708E-05
SSE	3.930E-05	5.803E-05	5.214E-05	4.487E-05	1.490E-04	1.676E-04	1.191E-04	1.039E-04	9.870E-05	9.824E-05	9.897E-05	1.009E-04
S	1.279E-04	1.481E-04	1.124E-04	7.665E-05	1.881E-04	1.882E-04	1.350E-04	1.238E-04	1.230E-04	1.266E-04	1.312E-04	1.367E-04
SSW	6.586E-04	2.766E-04	1.609E-04	1.027E-04	2.445E-04	2.517E-04	1.792E-04	1.621E-04	1.588E-04	1.615E-04	1.658E-04	1.714E-04
SW	1.029E-02	3.459E-04	1.181E-04	6.333E-05	1.305E-04	1.406E-04	1.128E-04	1.105E-04	1.139E-04	1.196E-04	1.257E-04	1.321E-04
WSW	8.922E-04	4.740E-05	2.366E-05	1.528E-05	4.157E-05	6.025E-05	5.546E-05	5.643E-05	5.875E-05	6.173E-05	6.474E-05	6.785E-05
W	2.457E-04	4.442E-05	1.871E-05	1.199E-05	3.279E-05	4.791E-05	4.428E-05	4.481E-05	4.639E-05	4.853E-05	5.070E-05	5.298E-05
WNW	1.269E-04	5.755E-05	3.344E-05	2.176E-05	5.380E-05	6.534E-05	5.444E-05	5.180E-05	5.145E-05	5.229E-05	5.342E-05	5.488E-05
NW	9.899E-05	5.730E-05	3.438E-05	2.628E-05	8.340E-05	1.115E-04	9.123E-05	8.207E-05	7.682E-05	7.411E-05	7.208E-05	7.100E-05
NNW	9.037E-05	6.067E-05	4.414E-05	3.441E-05	1.119E-04	1.507E-04	1.231E-04	1.088E-04	9.945E-05	9.358E-05	8.873E-05	8.534E-05

TOTAL DOSE COMMITMENT IS 2.807E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.677E-03	4.600E-02	6.419E-03	5.706E-03	3.414E-03	9.172E-01
GROUND	1.308E-03	1.308E-03	1.308E-03	1.308E-03	1.308E-03	1.308E-03
CLOUD	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03
VEG. ING	1.685E-02	1.961E-01	1.685E-02	5.464E-02	4.356E-02	1.685E-02
MEAT ING	1.499E-04	1.797E-03	1.499E-04	4.971E-04	3.993E-04	1.499E-04
MILK ING	1.124E-04	1.460E-03	1.124E-04	2.718E-04	2.254E-04	1.124E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.783E-02	2.524E-01	3.057E-02	6.816E-02	5.465E-02	9.413E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	3.344E-02	3.892E-01	3.344E-02	1.085E-01	8.648E-02	3.344E-02
MEAT ING	2.421E-03	2.904E-02	2.421E-03	8.030E-03	6.451E-03	2.421E-03
MILK ING	2.049E-03	2.661E-02	2.049E-03	4.954E-03	4.108E-03	2.049E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.027E+00	1.371E+01	2.550E-01	1.110E+00	1.086E+00	6.308E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.677E-03	4.600E-02	6.419E-03	5.706E-03	3.414E-03	9.172E-01
GROUND	1.308E-03	1.308E-03	1.308E-03	1.308E-03	1.308E-03	1.308E-03
CLOUD	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03
VEG. ING	5.029E-02	5.853E-01	5.029E-02	1.631E-01	1.300E-01	5.029E-02
MEAT ING	2.571E-03	3.083E-02	2.571E-03	8.527E-03	6.851E-03	2.571E-03

MILK ING	2.161E-03	2.807E-02	2.161E-03	5.226E-03	4.334E-03	2.161E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.055E+00	1.396E+01	2.855E-01	1.178E+00	1.140E+00	7.249E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	6.379E-08	1.063E-06	1.063E-06	1.061E-06	2.449E-02	4.081E-01	4.079E-01	4.079E-01
1	White Mesa Community	4	1.668E-08	2.780E-07	2.780E-07	2.774E-07	5.603E-02	9.337E-01	9.333E-01	9.333E-01
	CONCENTRATION TOTALS		8.048E-08	1.341E-06	1.341E-06	1.338E-06	8.052E-02	1.342E+00	1.341E+00	1.341E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	2.102E-07	3.502E-06	3.502E-06	3.494E-06	8.068E-02	1.344E+00	1.344E+00	1.344E+00
2	BHV-1	4	1.681E-07	2.801E-06	2.801E-06	2.795E-06	5.646E-01	9.407E+00	9.403E+00	9.403E+00
	CONCENTRATION TOTALS		3.783E-07	6.303E-06	6.303E-06	6.288E-06	6.452E-01	1.075E+01	1.075E+01	1.075E+01
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	8.620E-08	1.436E-06	1.436E-06	1.433E-06	3.309E-02	5.514E-01	5.512E-01	5.512E-01
3	BHV-2	4	5.881E-08	9.799E-07	9.799E-07	9.777E-07	1.975E-01	3.291E+00	3.290E+00	3.290E+00
	CONCENTRATION TOTALS		1.450E-07	2.416E-06	2.416E-06	2.411E-06	2.306E-01	3.842E+00	3.841E+00	3.841E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    1.742E-07    2.903E-06    2.903E-06    2.897E-06    6.689E-02    1.115E+00    1.114E+00
1.114E+00
  4  Nearest Resident      4    1.350E-07    2.250E-06    2.250E-06    2.245E-06    4.535E-01    7.557E+00    7.554E+00
7.554E+00
    CONCENTRATION TOTALS        3.093E-07    5.154E-06    5.153E-06    5.142E-06    5.204E-01    8.671E+00    8.668E+00
8.668E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    3.155E-08    5.257E-07    5.257E-07    5.245E-07    1.211E-02    2.018E-01    2.017E-01
2.017E-01
  5  Blanding              4    1.836E-08    3.059E-07    3.059E-07    3.052E-07    6.165E-02    1.027E+00    1.027E+00
1.027E+00
    CONCENTRATION TOTALS        4.991E-08    8.316E-07    8.316E-07    8.297E-07    7.377E-02    1.229E+00    1.229E+00
1.229E+00
 ----------------------------   ----------------------------------------------   ----------------------------------------------
-----
  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    6.570E-07    1.095E-05    1.095E-05    1.092E-05    2.522E-01    4.203E+00    4.201E+00
4.201E+00
  6  Graz Loc 1            4    6.262E-07    1.043E-05    1.043E-05    1.041E-05    2.103E+00    3.504E+01    3.503E+01
3.503E+01
    CONCENTRATION TOTALS        1.283E-06    2.138E-05    2.138E-05    2.133E-05    2.355E+00    3.924E+01    3.923E+01
3.923E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
-----
  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    6.313E-07    1.052E-05    1.052E-05    1.049E-05    2.423E-01    4.038E+00    4.036E+00
4.036E+00
  7  Graz Loc 2            4    3.060E-07    5.099E-06    5.099E-06    5.087E-06    1.028E+00    1.712E+01    1.712E+01
1.712E+01
    CONCENTRATION TOTALS        9.372E-07    1.562E-05    1.562E-05    1.558E-05    1.270E+00    2.116E+01    2.115E+01
2.115E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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1REGION: 2008- Arizona Strip Cell    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: AZTP4BR.MIL                  01/26/08
                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	3.154E-01	3.153E-01	2.600E-01	2.166E-01	1.400E-06	9.653E-09	1.750E-12	2.451E-06	2.497E-01	2.497E-01	2.497E-01	2.535E-01
2	5.925E-01	5.705E-01	3.200E-01	2.053E-01	4.082E-07	9.244E-10	5.884E-14	2.975E-06	4.519E-01	4.519E-01	4.519E-01	7.393E-02
3	2.565E-01	2.546E-01	1.795E-01	1.388E-01	6.114E-07	2.875E-09	3.591E-13	1.690E-06	2.017E-01	2.017E-01	2.017E-01	1.107E-01
4	4.846E-01	4.719E-01	2.817E-01	1.932E-01	4.843E-07	1.346E-09	1.024E-13	2.635E-06	3.737E-01	3.737E-01	3.737E-01	8.770E-02
5	1.096E-01	1.096E-01	9.276E-02	7.938E-02	7.253E-07	7.372E-09	2.045E-12	8.792E-07	8.677E-02	8.677E-02	8.677E-02	1.314E-01
6	1.643E+00	1.464E+00	5.754E-01	2.553E-01	2.297E-07	2.435E-10	7.329E-15	5.377E-06	1.160E+00	1.160E+00	1.160E+00	4.160E-02
7	2.389E+00	2.228E+00	9.511E-01	4.120E-01	3.425E-07	3.357E-10	9.371E-15	8.654E-06	1.765E+00	1.765E+00	1.765E+00	6.203E-02

1REGION: 2008- Arizona Strip Cell CODE: MILDOS-AREA (02/97) PAGE 32
METSET: DATA: AZTP4BR.MIL 01/26/08
TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.81E-03	1.70E-02	1.13E-02	5.56E-03	4.63E-03	0.00E+00
INFANT	GROUND	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06
INFANT	CLOUD	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.44E-04	1.90E-03	1.07E-03	1.07E-03	9.72E-04	0.00E+00
INFANT	TOTALS	4.36E-03	1.89E-02	1.24E-02	6.64E-03	5.60E-03	4.48E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.56E-03	1.18E-02	4.97E-03	2.12E-03	1.47E-03	0.00E+00
CHILD	GROUND	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06
CHILD	CLOUD	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11
CHILD	VEG. ING	1.29E-03	6.49E-03	5.70E-03	5.70E-03	4.21E-03	0.00E+00
CHILD	MEAT ING	3.75E-05	1.88E-04	1.80E-04	1.80E-04	1.32E-04	0.00E+00
CHILD	MILK ING	7.26E-05	5.00E-04	2.43E-04	2.43E-04	1.83E-04	0.00E+00
CHILD	TOTALS	2.97E-03	1.90E-02	1.11E-02	8.24E-03	6.00E-03	4.48E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.07E-03	1.40E-02	2.54E-03	9.56E-04	7.62E-04	0.00E+00
TEENAGE	GROUND	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06
TEENAGE	CLOUD	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11
TEENAGE	VEG. ING	2.12E-03	3.44E-02	5.09E-03	5.09E-03	4.29E-03	0.00E+00
TEENAGE	MEAT ING	5.95E-05	9.68E-04	1.57E-04	1.57E-04	1.32E-04	0.00E+00
TEENAGE	MILK ING	1.07E-04	2.24E-03	1.56E-04	1.56E-04	1.41E-04	0.00E+00
TEENAGE	TOTALS	3.36E-03	5.16E-02	7.94E-03	6.36E-03	5.33E-03	4.48E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.58E-04	1.23E-02	2.07E-03	7.29E-04	5.39E-04	0.00E+00
ADULT	GROUND	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06	4.48E-06
ADULT	CLOUD	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11	8.21E-11
ADULT	VEG. ING	1.21E-03	1.47E-02	3.32E-03	3.32E-03	2.73E-03	0.00E+00
ADULT	MEAT ING	4.35E-05	5.35E-04	1.30E-04	1.30E-04	1.07E-04	0.00E+00
ADULT	MILK ING	2.07E-05	3.14E-04	3.87E-05	3.87E-05	3.34E-05	0.00E+00
ADULT	TOTALS	2.24E-03	2.78E-02	5.56E-03	4.22E-03	3.42E-03	4.48E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.77E-02	1.77E-02	1.14E-02	9.48E-03	6.15E-03	3.94E-01
INFANT	GROUND	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04
INFANT	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.77E-04	1.96E-03	1.19E-03	1.19E-03	1.08E-03	0.00E+00
INFANT	TOTALS	3.10E-02	2.24E-02	1.53E-02	1.34E-02	9.95E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.53E-02	1.24E-02	5.00E-03	3.86E-03	2.19E-03	3.94E-01
CHILD	GROUND	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04
CHILD	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
CHILD	VEG. ING	1.42E-03	7.06E-03	6.38E-03	6.38E-03	4.70E-03	0.00E+00
CHILD	MEAT ING	4.16E-05	2.06E-04	2.02E-04	2.02E-04	1.48E-04	0.00E+00
CHILD	MILK ING	7.78E-05	5.24E-04	2.70E-04	2.70E-04	2.04E-04	0.00E+00

CHILD	TOTALS	2.96E-02	2.29E-02	1.46E-02	1.34E-02	9.97E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.48E-02	1.54E-02	2.55E-03	1.70E-03	1.12E-03	3.94E-01
TEENAGE	GROUND	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04
TEENAGE	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
TEENAGE	VEG. ING	2.31E-03	3.72E-02	5.69E-03	5.69E-03	4.79E-03	0.00E+00
TEENAGE	MEAT ING	6.55E-05	1.06E-03	1.76E-04	1.76E-04	1.47E-04	0.00E+00
TEENAGE	MILK ING	1.12E-04	2.32E-03	1.74E-04	1.74E-04	1.55E-04	0.00E+00
TEENAGE	TOTALS	3.01E-02	5.87E-02	1.13E-02	1.05E-02	8.93E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.47E-02	1.31E-02	2.08E-03	1.35E-03	8.37E-04	3.94E-01
ADULT	GROUND	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04	2.89E-04
ADULT	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
ADULT	VEG. ING	1.32E-03	1.60E-02	3.71E-03	3.71E-03	3.06E-03	0.00E+00
ADULT	MEAT ING	4.81E-05	5.87E-04	1.46E-04	1.46E-04	1.19E-04	0.00E+00
ADULT	MILK ING	2.20E-05	3.29E-04	4.31E-05	4.31E-05	3.70E-05	0.00E+00
ADULT	TOTALS	2.88E-02	3.28E-02	8.70E-03	7.97E-03	6.77E-03	3.97E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.53E-02	7.11E-02	3.73E-02	2.58E-02	2.13E-02	0.00E+00
INFANT	GROUND	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05
INFANT	CLOUD	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.36E-03	1.52E-02	8.59E-03	8.59E-03	7.79E-03	0.00E+00
INFANT	TOTALS	1.97E-02	8.63E-02	4.59E-02	3.44E-02	2.91E-02	3.59E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.15E-03	4.90E-02	1.64E-02	9.81E-03	6.79E-03	0.00E+00
CHILD	GROUND	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05
CHILD	CLOUD	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10
CHILD	VEG. ING	1.03E-02	5.20E-02	4.57E-02	4.57E-02	3.37E-02	0.00E+00
CHILD	MEAT ING	3.01E-04	1.50E-03	1.44E-03	1.44E-03	1.06E-03	0.00E+00

CHILD	MILK ING	5.82E-04	4.01E-03	1.95E-03	1.95E-03	1.47E-03	0.00E+00
CHILD	TOTALS	1.74E-02	1.07E-01	6.55E-02	5.89E-02	4.31E-02	3.59E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.22E-03	5.91E-02	8.39E-03	4.43E-03	3.52E-03	0.00E+00
TEENAGE	GROUND	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05
TEENAGE	CLOUD	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10
TEENAGE	VEG. ING	1.70E-02	2.76E-01	4.07E-02	4.07E-02	3.43E-02	0.00E+00
TEENAGE	MEAT ING	4.77E-04	7.76E-03	1.26E-03	1.26E-03	1.06E-03	0.00E+00
TEENAGE	MILK ING	8.56E-04	1.80E-02	1.25E-03	1.25E-03	1.13E-03	0.00E+00
TEENAGE	TOTALS	2.26E-02	3.61E-01	5.17E-02	4.77E-02	4.01E-02	3.59E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.74E-03	5.11E-02	6.84E-03	3.38E-03	2.48E-03	0.00E+00
ADULT	GROUND	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05	3.59E-05
ADULT	CLOUD	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10	3.86E-10
ADULT	VEG. ING	9.69E-03	1.18E-01	2.66E-02	2.66E-02	2.19E-02	0.00E+00
ADULT	MEAT ING	3.49E-04	4.28E-03	1.04E-03	1.04E-03	8.54E-04	0.00E+00
ADULT	MILK ING	1.66E-04	2.52E-03	3.10E-04	3.10E-04	2.68E-04	0.00E+00
ADULT	TOTALS	1.40E-02	1.76E-01	3.48E-02	3.13E-02	2.55E-02	3.59E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.98E-02	7.13E-02	3.73E-02	2.69E-02	2.17E-02	7.41E-01
INFANT	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
INFANT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.37E-03	1.53E-02	8.63E-03	8.63E-03	7.82E-03	0.00E+00
INFANT	TOTALS	6.86E-02	9.10E-02	5.04E-02	4.00E-02	3.40E-02	7.45E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.06E-02	4.91E-02	1.64E-02	1.03E-02	7.00E-03	7.41E-01
CHILD	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03

CHILD	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
CHILD	VEG. ING	1.04E-02	5.22E-02	4.59E-02	4.59E-02	3.38E-02	0.00E+00
CHILD	MEAT ING	3.02E-04	1.51E-03	1.45E-03	1.45E-03	1.07E-03	0.00E+00
CHILD	MILK ING	5.84E-04	4.01E-03	1.95E-03	1.95E-03	1.48E-03	0.00E+00
CHILD	TOTALS	6.63E-02	1.11E-01	7.01E-02	6.40E-02	4.78E-02	7.45E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.87E-02	5.95E-02	8.39E-03	4.65E-03	3.62E-03	7.41E-01
TEENAGE	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
TEENAGE	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
TEENAGE	VEG. ING	1.70E-02	2.77E-01	4.09E-02	4.09E-02	3.45E-02	0.00E+00
TEENAGE	MEAT ING	4.79E-04	7.78E-03	1.27E-03	1.27E-03	1.06E-03	0.00E+00
TEENAGE	MILK ING	8.58E-04	1.80E-02	1.25E-03	1.25E-03	1.13E-03	0.00E+00
TEENAGE	TOTALS	7.15E-02	3.66E-01	5.63E-02	5.25E-02	4.47E-02	7.45E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.82E-02	5.14E-02	6.84E-03	3.56E-03	2.57E-03	7.41E-01
ADULT	GROUND	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03	2.04E-03
ADULT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
ADULT	VEG. ING	9.73E-03	1.18E-01	2.67E-02	2.67E-02	2.20E-02	0.00E+00
ADULT	MEAT ING	3.50E-04	4.30E-03	1.05E-03	1.05E-03	8.58E-04	0.00E+00
ADULT	MILK ING	1.66E-04	2.52E-03	3.11E-04	3.11E-04	2.69E-04	0.00E+00
ADULT	TOTALS	6.29E-02	1.81E-01	3.93E-02	3.60E-02	3.01E-02	7.45E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.02E-03	2.78E-02	1.53E-02	9.90E-03	8.19E-03	0.00E+00
INFANT	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
INFANT	CLOUD	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.56E-03	5.44E-03	3.07E-03	3.07E-03	2.78E-03	0.00E+00
INFANT	TOTALS	7.59E-03	3.32E-02	1.84E-02	1.30E-02	1.10E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.43E-03	1.92E-02	6.73E-03	3.77E-03	2.61E-03	0.00E+00

CHILD	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
CHILD	CLOUD	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10
CHILD	VEG. ING	3.70E-03	1.86E-02	1.63E-02	1.63E-02	1.20E-02	0.00E+00
CHILD	MEAT ING	1.07E-04	5.38E-04	5.15E-04	5.15E-04	3.79E-04	0.00E+00
CHILD	MILK ING	2.08E-04	1.43E-03	6.95E-04	6.95E-04	5.25E-04	0.00E+00
CHILD	TOTALS	6.46E-03	3.97E-02	2.43E-02	2.13E-02	1.56E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.67E-03	2.31E-02	3.44E-03	1.70E-03	1.35E-03	0.00E+00
TEENAGE	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
TEENAGE	CLOUD	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10
TEENAGE	VEG. ING	6.06E-03	9.86E-02	1.46E-02	1.46E-02	1.23E-02	0.00E+00
TEENAGE	MEAT ING	1.70E-04	2.77E-03	4.51E-04	4.51E-04	3.77E-04	0.00E+00
TEENAGE	MILK ING	3.06E-04	6.42E-03	4.47E-04	4.47E-04	4.03E-04	0.00E+00
TEENAGE	TOTALS	8.22E-03	1.31E-01	1.89E-02	1.72E-02	1.44E-02	1.28E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.48E-03	2.00E-02	2.80E-03	1.30E-03	9.55E-04	0.00E+00
ADULT	GROUND	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05	1.28E-05
ADULT	CLOUD	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10	1.48E-10
ADULT	VEG. ING	3.46E-03	4.21E-02	9.50E-03	9.50E-03	7.83E-03	0.00E+00
ADULT	MEAT ING	1.25E-04	1.53E-03	3.72E-04	3.72E-04	3.05E-04	0.00E+00
ADULT	MILK ING	5.92E-05	9.00E-04	1.11E-04	1.11E-04	9.57E-05	0.00E+00
ADULT	TOTALS	5.14E-03	6.45E-02	1.28E-02	1.13E-02	9.20E-03	1.28E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.54E-02	2.81E-02	1.53E-02	1.16E-02	8.86E-03	3.21E-01
INFANT	GROUND	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04
INFANT	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.57E-03	5.47E-03	3.12E-03	3.12E-03	2.83E-03	0.00E+00
INFANT	TOTALS	2.92E-02	3.59E-02	2.07E-02	1.70E-02	1.40E-02	3.23E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.17E-02	1.94E-02	6.75E-03	4.53E-03	2.92E-03	3.21E-01
CHILD	GROUND	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04
CHILD	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
CHILD	VEG. ING	3.75E-03	1.88E-02	1.66E-02	1.66E-02	1.23E-02	0.00E+00
CHILD	MEAT ING	1.09E-04	5.46E-04	5.25E-04	5.25E-04	3.86E-04	0.00E+00
CHILD	MILK ING	2.10E-04	1.44E-03	7.07E-04	7.07E-04	5.34E-04	0.00E+00
CHILD	TOTALS	2.81E-02	4.26E-02	2.69E-02	2.47E-02	1.84E-02	3.23E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.10E-02	2.37E-02	3.45E-03	2.03E-03	1.51E-03	3.21E-01
TEENAGE	GROUND	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04
TEENAGE	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
TEENAGE	VEG. ING	6.15E-03	9.98E-02	1.48E-02	1.48E-02	1.25E-02	0.00E+00
TEENAGE	MEAT ING	1.73E-04	2.81E-03	4.59E-04	4.59E-04	3.84E-04	0.00E+00
TEENAGE	MILK ING	3.08E-04	6.45E-03	4.54E-04	4.54E-04	4.10E-04	0.00E+00
TEENAGE	TOTALS	2.99E-02	1.35E-01	2.15E-02	2.01E-02	1.71E-02	3.23E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.08E-02	2.04E-02	2.81E-03	1.57E-03	1.09E-03	3.21E-01
ADULT	GROUND	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04	7.36E-04
ADULT	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
ADULT	VEG. ING	3.51E-03	4.26E-02	9.67E-03	9.67E-03	7.97E-03	0.00E+00
ADULT	MEAT ING	1.27E-04	1.55E-03	3.79E-04	3.79E-04	3.11E-04	0.00E+00
ADULT	MILK ING	5.98E-05	9.07E-04	1.13E-04	1.13E-04	9.72E-05	0.00E+00
ADULT	TOTALS	2.68E-02	6.78E-02	1.53E-02	1.40E-02	1.18E-02	3.23E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.26E-02	5.83E-02	3.09E-02	2.11E-02	1.74E-02	0.00E+00
INFANT	GROUND	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05
INFANT	CLOUD	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.52E-03	1.23E-02	6.93E-03	6.93E-03	6.28E-03	0.00E+00
INFANT	TOTALS	1.61E-02	7.07E-02	3.79E-02	2.80E-02	2.37E-02	2.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.06E-03	4.02E-02	1.36E-02	8.03E-03	5.56E-03	0.00E+00
CHILD	GROUND	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05
CHILD	CLOUD	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10
CHILD	VEG. ING	8.34E-03	4.19E-02	3.68E-02	3.68E-02	2.72E-02	0.00E+00
CHILD	MEAT ING	2.43E-04	1.21E-03	1.16E-03	1.16E-03	8.56E-04	0.00E+00
CHILD	MILK ING	4.69E-04	3.23E-03	1.57E-03	1.57E-03	1.19E-03	0.00E+00
CHILD	TOTALS	1.41E-02	8.66E-02	5.32E-02	4.76E-02	3.48E-02	2.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.47E-03	4.85E-02	6.96E-03	3.63E-03	2.88E-03	0.00E+00
TEENAGE	GROUND	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05
TEENAGE	CLOUD	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10
TEENAGE	VEG. ING	1.37E-02	2.22E-01	3.29E-02	3.29E-02	2.77E-02	0.00E+00
TEENAGE	MEAT ING	3.85E-04	6.26E-03	1.02E-03	1.02E-03	8.51E-04	0.00E+00
TEENAGE	MILK ING	6.90E-04	1.45E-02	1.01E-03	1.01E-03	9.10E-04	0.00E+00
TEENAGE	TOTALS	1.83E-02	2.92E-01	4.19E-02	3.85E-02	3.24E-02	2.90E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.08E-03	4.20E-02	5.67E-03	2.76E-03	2.03E-03	0.00E+00
ADULT	GROUND	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05
ADULT	CLOUD	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10	3.16E-10
ADULT	VEG. ING	7.82E-03	9.49E-02	2.14E-02	2.14E-02	1.77E-02	0.00E+00
ADULT	MEAT ING	2.81E-04	3.46E-03	8.40E-04	8.40E-04	6.89E-04	0.00E+00
ADULT	MILK ING	1.34E-04	2.03E-03	2.50E-04	2.50E-04	2.16E-04	0.00E+00
ADULT	TOTALS	1.13E-02	1.42E-01	2.82E-02	2.53E-02	2.06E-02	2.90E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.90E-02	5.86E-02	3.09E-02	2.24E-02	1.80E-02	6.06E-01
INFANT	GROUND	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03
INFANT	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	3.53E-03	1.23E-02	6.97E-03	6.97E-03	6.31E-03	0.00E+00
INFANT	TOTALS	5.64E-02	7.48E-02	4.18E-02	3.33E-02	2.82E-02	6.10E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.14E-02	4.04E-02	1.36E-02	8.63E-03	5.80E-03	6.06E-01
CHILD	GROUND	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03
CHILD	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
CHILD	VEG. ING	8.39E-03	4.21E-02	3.71E-02	3.71E-02	2.74E-02	0.00E+00
CHILD	MEAT ING	2.44E-04	1.22E-03	1.17E-03	1.17E-03	8.61E-04	0.00E+00
CHILD	MILK ING	4.71E-04	3.24E-03	1.58E-03	1.58E-03	1.19E-03	0.00E+00
CHILD	TOTALS	5.44E-02	9.09E-02	5.73E-02	5.23E-02	3.91E-02	6.10E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.99E-02	4.90E-02	6.96E-03	3.88E-03	3.00E-03	6.06E-01
TEENAGE	GROUND	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03
TEENAGE	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
TEENAGE	VEG. ING	1.37E-02	2.23E-01	3.31E-02	3.31E-02	2.79E-02	0.00E+00
TEENAGE	MEAT ING	3.87E-04	6.29E-03	1.02E-03	1.02E-03	8.57E-04	0.00E+00
TEENAGE	MILK ING	6.92E-04	1.45E-02	1.01E-03	1.01E-03	9.15E-04	0.00E+00
TEENAGE	TOTALS	5.86E-02	2.97E-01	4.60E-02	4.29E-02	3.65E-02	6.10E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.95E-02	4.23E-02	5.67E-03	2.98E-03	2.14E-03	6.06E-01
ADULT	GROUND	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03
ADULT	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
ADULT	VEG. ING	7.86E-03	9.54E-02	2.16E-02	2.16E-02	1.78E-02	0.00E+00
ADULT	MEAT ING	2.83E-04	3.47E-03	8.46E-04	8.46E-04	6.93E-04	0.00E+00
ADULT	MILK ING	1.34E-04	2.04E-03	2.51E-04	2.51E-04	2.17E-04	0.00E+00
ADULT	TOTALS	5.16E-02	1.47E-01	3.22E-02	2.95E-02	2.47E-02	6.10E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.13E-03	9.75E-03	5.59E-03	3.42E-03	2.83E-03	0.00E+00
INFANT	GROUND	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06
INFANT	CLOUD	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.99E-04	1.74E-03	9.82E-04	9.82E-04	8.90E-04	0.00E+00
INFANT	TOTALS	2.63E-03	1.15E-02	6.58E-03	4.40E-03	3.72E-03	4.11E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.63E-04	6.74E-03	2.46E-03	1.30E-03	9.02E-04	0.00E+00
CHILD	GROUND	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06
CHILD	CLOUD	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11
CHILD	VEG. ING	1.18E-03	5.94E-03	5.22E-03	5.22E-03	3.85E-03	0.00E+00
CHILD	MEAT ING	3.44E-05	1.72E-04	1.65E-04	1.65E-04	1.21E-04	0.00E+00
CHILD	MILK ING	6.66E-05	4.58E-04	2.22E-04	2.22E-04	1.68E-04	0.00E+00
CHILD	TOTALS	2.15E-03	1.33E-02	8.07E-03	6.91E-03	5.05E-03	4.11E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.91E-04	8.08E-03	1.26E-03	5.87E-04	4.67E-04	0.00E+00
TEENAGE	GROUND	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06
TEENAGE	CLOUD	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11
TEENAGE	VEG. ING	1.94E-03	3.15E-02	4.66E-03	4.66E-03	3.93E-03	0.00E+00
TEENAGE	MEAT ING	5.45E-05	8.87E-04	1.44E-04	1.44E-04	1.21E-04	0.00E+00
TEENAGE	MILK ING	9.78E-05	2.05E-03	1.43E-04	1.43E-04	1.29E-04	0.00E+00
TEENAGE	TOTALS	2.69E-03	4.26E-02	6.21E-03	5.54E-03	4.65E-03	4.11E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.26E-04	7.03E-03	1.03E-03	4.48E-04	3.30E-04	0.00E+00
ADULT	GROUND	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06	4.11E-06
ADULT	CLOUD	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11	5.09E-11
ADULT	VEG. ING	1.11E-03	1.35E-02	3.04E-03	3.04E-03	2.50E-03	0.00E+00
ADULT	MEAT ING	3.98E-05	4.90E-04	1.19E-04	1.19E-04	9.77E-05	0.00E+00
ADULT	MILK ING	1.89E-05	2.88E-04	3.54E-05	3.54E-05	3.06E-05	0.00E+00
ADULT	TOTALS	1.70E-03	2.13E-02	4.22E-03	3.64E-03	2.97E-03	4.11E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.05E-02	1.01E-02	5.63E-03	5.45E-03	3.62E-03	1.37E-01

INFANT	GROUND	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04
INFANT	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.15E-04	1.77E-03	1.04E-03	1.04E-03	9.44E-04	0.00E+00
INFANT	TOTALS	1.21E-02	1.30E-02	7.80E-03	7.62E-03	5.69E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.14E-03	7.04E-03	2.48E-03	2.20E-03	1.27E-03	1.37E-01
CHILD	GROUND	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04
CHILD	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
CHILD	VEG. ING	1.25E-03	6.24E-03	5.57E-03	5.57E-03	4.11E-03	0.00E+00
CHILD	MEAT ING	3.65E-05	1.82E-04	1.76E-04	1.76E-04	1.30E-04	0.00E+00
CHILD	MILK ING	6.92E-05	4.70E-04	2.37E-04	2.37E-04	1.79E-04	0.00E+00
CHILD	TOTALS	1.16E-02	1.51E-02	9.59E-03	9.31E-03	6.82E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.87E-03	8.81E-03	1.27E-03	9.74E-04	6.52E-04	1.37E-01
TEENAGE	GROUND	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04
TEENAGE	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
TEENAGE	VEG. ING	2.04E-03	3.30E-02	4.97E-03	4.97E-03	4.19E-03	0.00E+00
TEENAGE	MEAT ING	5.76E-05	9.32E-04	1.54E-04	1.54E-04	1.29E-04	0.00E+00
TEENAGE	MILK ING	1.01E-04	2.10E-03	1.52E-04	1.52E-04	1.37E-04	0.00E+00
TEENAGE	TOTALS	1.22E-02	4.60E-02	7.67E-03	7.38E-03	6.23E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.80E-03	7.46E-03	1.03E-03	7.70E-04	4.85E-04	1.37E-01
ADULT	GROUND	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04	2.39E-04
ADULT	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
ADULT	VEG. ING	1.17E-03	1.41E-02	3.24E-03	3.24E-03	2.67E-03	0.00E+00
ADULT	MEAT ING	4.22E-05	5.17E-04	1.27E-04	1.27E-04	1.04E-04	0.00E+00
ADULT	MILK ING	1.96E-05	2.96E-04	3.77E-05	3.77E-05	3.25E-05	0.00E+00
ADULT	TOTALS	1.12E-02	2.35E-02	5.57E-03	5.30E-03	4.42E-03	1.38E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	5.02E-02	2.36E-01	1.17E-01	8.72E-02	7.20E-02	0.00E+00
INFANT	GROUND	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04
INFANT	CLOUD	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.59E-02	5.56E-02	3.14E-02	3.14E-02	2.84E-02	0.00E+00
INFANT	TOTALS	6.62E-02	2.91E-01	1.48E-01	1.19E-01	1.01E-01	1.31E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.01E-02	1.62E-01	5.14E-02	3.32E-02	2.30E-02	0.00E+00
CHILD	GROUND	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04
CHILD	CLOUD	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09
CHILD	VEG. ING	3.78E-02	1.90E-01	1.67E-01	1.67E-01	1.23E-01	0.00E+00
CHILD	MEAT ING	1.10E-03	5.49E-03	5.26E-03	5.26E-03	3.87E-03	0.00E+00
CHILD	MILK ING	2.12E-03	1.46E-02	7.10E-03	7.10E-03	5.37E-03	0.00E+00
CHILD	TOTALS	6.12E-02	3.72E-01	2.31E-01	2.12E-01	1.55E-01	1.31E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.38E-02	1.96E-01	2.62E-02	1.50E-02	1.19E-02	0.00E+00
TEENAGE	GROUND	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04
TEENAGE	CLOUD	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09
TEENAGE	VEG. ING	6.19E-02	1.01E+00	1.49E-01	1.49E-01	1.25E-01	0.00E+00
TEENAGE	MEAT ING	1.74E-03	2.83E-02	4.61E-03	4.61E-03	3.85E-03	0.00E+00
TEENAGE	MILK ING	3.12E-03	6.56E-02	4.56E-03	4.56E-03	4.12E-03	0.00E+00
TEENAGE	TOTALS	8.07E-02	1.30E+00	1.84E-01	1.73E-01	1.45E-01	1.31E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.22E-02	1.69E-01	2.14E-02	1.14E-02	8.40E-03	0.00E+00
ADULT	GROUND	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04
ADULT	CLOUD	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09	1.31E-09
ADULT	VEG. ING	3.54E-02	4.29E-01	9.70E-02	9.70E-02	8.00E-02	0.00E+00
ADULT	MEAT ING	1.27E-03	1.56E-02	3.80E-03	3.80E-03	3.12E-03	0.00E+00
ADULT	MILK ING	6.05E-04	9.20E-03	1.13E-03	1.13E-03	9.77E-04	0.00E+00
ADULT	TOTALS	4.96E-02	6.24E-01	1.23E-01	1.13E-01	9.26E-02	1.31E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.73E-01	2.36E-01	1.17E-01	8.78E-02	7.22E-02	2.05E+00
INFANT	GROUND	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03
INFANT	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.59E-02	5.56E-02	3.14E-02	3.14E-02	2.84E-02	0.00E+00
INFANT	TOTALS	2.00E-01	3.02E-01	1.59E-01	1.30E-01	1.11E-01	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.43E-01	1.62E-01	5.14E-02	3.35E-02	2.31E-02	2.05E+00
CHILD	GROUND	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03
CHILD	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
CHILD	VEG. ING	3.78E-02	1.90E-01	1.67E-01	1.67E-01	1.23E-01	0.00E+00
CHILD	MEAT ING	1.10E-03	5.50E-03	5.27E-03	5.27E-03	3.88E-03	0.00E+00
CHILD	MILK ING	2.13E-03	1.46E-02	7.10E-03	7.10E-03	5.37E-03	0.00E+00
CHILD	TOTALS	1.95E-01	3.83E-01	2.41E-01	2.23E-01	1.66E-01	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.37E-01	1.96E-01	2.63E-02	1.51E-02	1.19E-02	2.05E+00
TEENAGE	GROUND	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03
TEENAGE	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
TEENAGE	VEG. ING	6.20E-02	1.01E+00	1.49E-01	1.49E-01	1.25E-01	0.00E+00
TEENAGE	MEAT ING	1.74E-03	2.83E-02	4.61E-03	4.61E-03	3.86E-03	0.00E+00
TEENAGE	MILK ING	3.12E-03	6.56E-02	4.56E-03	4.56E-03	4.12E-03	0.00E+00
TEENAGE	TOTALS	2.14E-01	1.31E+00	1.95E-01	1.84E-01	1.56E-01	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.35E-01	1.70E-01	2.14E-02	1.15E-02	8.45E-03	2.05E+00
ADULT	GROUND	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03	7.35E-03
ADULT	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
ADULT	VEG. ING	3.54E-02	4.30E-01	9.70E-02	9.70E-02	8.00E-02	0.00E+00
ADULT	MEAT ING	1.27E-03	1.56E-02	3.81E-03	3.81E-03	3.12E-03	0.00E+00
ADULT	MILK ING	6.05E-04	9.20E-03	1.13E-03	1.13E-03	9.78E-04	0.00E+00
ADULT	TOTALS	1.83E-01	6.35E-01	1.34E-01	1.24E-01	1.03E-01	2.06E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.11E-02	1.87E-01	1.12E-01	6.43E-02	5.33E-02	0.00E+00
INFANT	GROUND	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05
INFANT	CLOUD	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.59E-03	3.00E-02	1.69E-02	1.69E-02	1.53E-02	0.00E+00
INFANT	TOTALS	4.98E-02	2.17E-01	1.29E-01	8.13E-02	6.87E-02	7.07E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.67E-02	1.29E-01	4.92E-02	2.45E-02	1.70E-02	0.00E+00
CHILD	GROUND	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05
CHILD	CLOUD	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10
CHILD	VEG. ING	2.04E-02	1.02E-01	8.99E-02	8.99E-02	6.63E-02	0.00E+00
CHILD	MEAT ING	5.92E-04	2.96E-03	2.84E-03	2.84E-03	2.09E-03	0.00E+00
CHILD	MILK ING	1.15E-03	7.89E-03	3.83E-03	3.83E-03	2.89E-03	0.00E+00
CHILD	TOTALS	3.89E-02	2.43E-01	1.46E-01	1.21E-01	8.84E-02	7.07E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.14E-02	1.55E-01	2.52E-02	1.11E-02	8.79E-03	0.00E+00
TEENAGE	GROUND	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05
TEENAGE	CLOUD	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10
TEENAGE	VEG. ING	3.34E-02	5.43E-01	8.02E-02	8.02E-02	6.76E-02	0.00E+00
TEENAGE	MEAT ING	9.38E-04	1.53E-02	2.48E-03	2.48E-03	2.08E-03	0.00E+00
TEENAGE	MILK ING	1.68E-03	3.54E-02	2.46E-03	2.46E-03	2.22E-03	0.00E+00
TEENAGE	TOTALS	4.75E-02	7.48E-01	1.10E-01	9.63E-02	8.08E-02	7.07E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.02E-02	1.35E-01	2.05E-02	8.43E-03	6.21E-03	0.00E+00
ADULT	GROUND	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05	7.07E-05
ADULT	CLOUD	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10	9.56E-10
ADULT	VEG. ING	1.91E-02	2.32E-01	5.23E-02	5.23E-02	4.31E-02	0.00E+00
ADULT	MEAT ING	6.86E-04	8.43E-03	2.05E-03	2.05E-03	1.68E-03	0.00E+00
ADULT	MILK ING	3.26E-04	4.96E-03	6.10E-04	6.10E-04	5.27E-04	0.00E+00
ADULT	TOTALS	3.04E-02	3.80E-01	7.55E-02	6.35E-02	5.16E-02	7.07E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.20E-01	1.87E-01	1.12E-01	6.53E-02	5.37E-02	2.99E+00
INFANT	GROUND	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03
INFANT	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.59E-03	3.00E-02	1.69E-02	1.69E-02	1.53E-02	0.00E+00
INFANT	TOTALS	2.38E-01	2.26E-01	1.38E-01	9.16E-02	7.85E-02	3.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.96E-01	1.29E-01	4.93E-02	2.49E-02	1.72E-02	2.99E+00
CHILD	GROUND	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03
CHILD	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
CHILD	VEG. ING	2.04E-02	1.02E-01	9.00E-02	9.00E-02	6.65E-02	0.00E+00
CHILD	MEAT ING	5.93E-04	2.97E-03	2.84E-03	2.84E-03	2.09E-03	0.00E+00
CHILD	MILK ING	1.15E-03	7.89E-03	3.84E-03	3.84E-03	2.90E-03	0.00E+00
CHILD	TOTALS	2.27E-01	2.52E-01	1.55E-01	1.31E-01	9.80E-02	3.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.91E-01	1.55E-01	2.52E-02	1.12E-02	8.88E-03	2.99E+00
TEENAGE	GROUND	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03
TEENAGE	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
TEENAGE	VEG. ING	3.34E-02	5.44E-01	8.03E-02	8.03E-02	6.77E-02	0.00E+00
TEENAGE	MEAT ING	9.40E-04	1.53E-02	2.49E-03	2.49E-03	2.08E-03	0.00E+00
TEENAGE	MILK ING	1.69E-03	3.54E-02	2.46E-03	2.46E-03	2.22E-03	0.00E+00
TEENAGE	TOTALS	2.36E-01	7.59E-01	1.20E-01	1.06E-01	9.03E-02	3.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.89E-01	1.35E-01	2.05E-02	8.58E-03	6.29E-03	2.99E+00
ADULT	GROUND	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03	4.17E-03
ADULT	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
ADULT	VEG. ING	1.91E-02	2.32E-01	5.24E-02	5.24E-02	4.32E-02	0.00E+00
ADULT	MEAT ING	6.87E-04	8.44E-03	2.05E-03	2.05E-03	1.68E-03	0.00E+00
ADULT	MILK ING	3.26E-04	4.96E-03	6.11E-04	6.11E-04	5.28E-04	0.00E+00
ADULT	TOTALS	2.19E-01	3.90E-01	8.50E-02	7.31E-02	6.11E-02	3.00E+00

0Program execution time = 0.17 seconds

Colorado

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 0, 0, 0, 0, 0, 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Colorado Plateau M CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: CPNOTAIL.MIL 01/27/08

FINITE ELEMENT DATA FOR SOURCE NO. 6: IPX= 1 ID= 5001

VERTEX (M) = -1.9000E-01 1.4481E+02 1.3019E+02 1.4481E+02 -1.9000E-01 2.7519E+02 1.3019E+02 2.7519E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -1.9000E-01 YS= 1.4481E+02
NODE NO. = 2 XS= -1.9000E-01 YS= 2.1000E+02
NODE NO. = 3 XS= -1.9000E-01 YS= 2.7519E+02
NODE NO. = 4 XS= 6.5000E+01 YS= 1.4481E+02
NODE NO. = 5 XS= 6.5000E+01 YS= 2.1000E+02
NODE NO. = 6 XS= 6.5000E+01 YS= 2.7519E+02
NODE NO. = 7 XS= 1.3019E+02 YS= 1.4481E+02
NODE NO. = 8 XS= 1.3019E+02 YS= 2.1000E+02
NODE NO. = 9 XS= 1.3019E+02 YS= 2.7519E+02

1REGION: 2008- Colorado Plateau M CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: CPNOTAIL.MIL 01/27/08

NUMBER OF SOURCES= 6

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	0.00	0.00	25.30	0.0000	1.01E-06	2.22E-09	1.31E-09	7.88E-09	0.00E+00	1001	1	4.92E+00	Vanadium Stack
2	0.03	0.01	25.30	0.0000	1.01E-02	2.22E-05	1.31E-05	7.88E-05	0.00E+00	1002	1	4.99E+00	South YC Stack
3	-0.01	0.02	25.30	0.0000	1.01E-02	2.22E-05	1.31E-05	7.88E-05	0.00E+00	1003	1	4.15E+00	North YC Stack
4	-0.03	0.08	9.10	0.0000	9.27E-05	9.27E-05	9.27E-05	9.27E-05	9.27E+01	1004	2	1.00E+00	Grinder
5	0.03	0.07	9.10	0.0000	9.27E-05	9.27E-05	9.27E-05	9.27E-05	0.00E+00	1005	2	1.00E+00	Grizzly
6	0.06	0.21	2.00	0.0170	1.61E-02	1.61E-02	1.61E-02	1.61E-02	3.75E+02	5001	3	0.00E+00	Ore Pads

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0

1	7.00E+02	7.00E+02	7.00E+02	7.00E+02	1	0.000	1.000	0.000	0.000
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2	1.000	0.000	0.000	0.000
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03

LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02
LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00

AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3	.....	.....	.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03

TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.424E-04	7.929E-05	7.896E-05	8.114E-05	1.364E+01	1.213E+01	4.304E+00	1.573E+00	1.021E-06	4.018E-05

2.5	2.131E-04	2.627E-05	2.610E-05	2.725E-05	5.520E+00	5.255E+00	2.663E+00	1.451E+00	1.921E-06
2.433E-05									
3.5	1.253E-04	1.260E-05	1.249E-05	1.320E-05	3.086E+00	3.023E+00	1.874E+00	1.252E+00	2.606E-06
1.728E-05									
4.5	8.199E-05	7.479E-06	7.412E-06	7.880E-06	2.047E+00	2.028E+00	1.413E+00	1.052E+00	3.093E-06
1.317E-05									
7.5	3.290E-05	2.789E-06	2.761E-06	2.951E-06	9.321E-01	9.311E-01	7.653E-01	6.456E-01	3.786E-06
7.247E-06									
15.0	9.383E-06	8.573E-07	8.496E-07	9.031E-07	3.449E-01	3.451E-01	3.221E-01	2.963E-01	3.945E-06
3.094E-06									
25.0	4.026E-06	3.824E-07	3.791E-07	4.020E-07	1.696E-01	1.697E-01	1.662E-01	1.607E-01	3.720E-06
1.617E-06									
35.0	2.392E-06	2.266E-07	2.247E-07	2.382E-07	1.069E-01	1.070E-01	1.064E-01	1.049E-01	3.497E-06
1.041E-06									
45.0	1.635E-06	1.522E-07	1.509E-07	1.602E-07	7.573E-02	7.577E-02	7.576E-02	7.535E-02	3.307E-06
7.432E-07									
55.0	1.209E-06	1.110E-07	1.100E-07	1.169E-07	5.774E-02	5.777E-02	5.790E-02	5.781E-02	3.145E-06
5.687E-07									
65.0	9.398E-07	8.413E-08	8.335E-08	8.873E-08	4.568E-02	4.571E-02	4.587E-02	4.590E-02	3.006E-06
4.509E-07									
75.0	7.565E-07	6.610E-08	6.547E-08	6.981E-08	3.733E-02	3.735E-02	3.750E-02	3.758E-02	2.885E-06
3.688E-07									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.861E+02	1.467E+02	1.465E+02	1.465E+02	0.000E+00	1.561E+02	1.561E+02	1.561E+02	1.849E-01
2.5	1.179E+02	4.613E+01	4.605E+01	4.605E+01	0.000E+00	5.021E+01	5.021E+01	5.021E+01	3.479E-01
3.5	6.444E+01	2.117E+01	2.112E+01	2.112E+01	0.000E+00	2.352E+01	2.352E+01	2.352E+01	4.720E-01
4.5	4.079E+01	1.218E+01	1.215E+01	1.215E+01	0.000E+00	1.376E+01	1.376E+01	1.376E+01	5.602E-01
7.5	1.588E+01	4.315E+00	4.303E+00	4.303E+00	0.000E+00	5.040E+00	5.040E+00	5.040E+00	6.857E-01
15.0	4.549E+00	1.276E+00	1.272E+00	1.272E+00	0.000E+00	1.546E+00	1.546E+00	1.546E+00	7.144E-01
25.0	1.947E+00	5.481E-01	5.466E-01	5.466E-01	0.000E+00	6.810E-01	6.810E-01	6.810E-01	6.737E-01
35.0	1.141E+00	3.100E-01	3.091E-01	3.091E-01	0.000E+00	3.939E-01	3.939E-01	3.939E-01	6.332E-01
45.0	7.663E-01	1.972E-01	1.966E-01	1.966E-01	0.000E+00	2.566E-01	2.566E-01	2.566E-01	5.988E-01
55.0	5.577E-01	1.360E-01	1.356E-01	1.356E-01	0.000E+00	1.814E-01	1.814E-01	1.814E-01	5.695E-01
65.0	4.253E-01	9.681E-02	9.647E-02	9.647E-02	0.000E+00	1.327E-01	1.327E-01	1.327E-01	5.444E-01
75.0	3.363E-01	7.131E-02	7.104E-02	7.104E-02	0.000E+00	1.006E-01	1.006E-01	1.006E-01	5.224E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	7.451E-06	3.821E-06	3.817E-06	3.835E-06
2.5	3.070E-06	1.202E-06	1.200E-06	1.215E-06
3.5	1.679E-06	5.515E-07	5.505E-07	5.643E-07
4.5	1.063E-06	3.174E-07	3.167E-07	3.301E-07
7.5	4.135E-07	1.124E-07	1.121E-07	1.252E-07
15.0	1.185E-07	3.323E-08	3.316E-08	4.547E-08
25.0	5.072E-08	1.428E-08	1.424E-08	2.561E-08
35.0	2.973E-08	8.076E-09	8.056E-09	1.867E-08
45.0	1.996E-08	5.137E-09	5.123E-09	1.513E-08

55.0	1.453E-08	3.544E-09	3.534E-09	1.303E-08
65.0	1.108E-08	2.522E-09	2.514E-09	1.158E-08
75.0	8.761E-09	1.857E-09	1.851E-09	1.055E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.331E-04	3.243E-05	3.225E-05	3.348E-05	7.727E+00	7.097E+00	2.837E+00	1.142E+00	8.452E-07	2.595E-05
2.5	1.247E-04	1.230E-05	1.220E-05	1.290E-05	3.404E+00	3.271E+00	1.754E+00	9.942E-01	1.423E-06	1.597E-05
3.5	7.579E-05	6.092E-06	6.029E-06	6.469E-06	1.945E+00	1.911E+00	1.227E+00	8.364E-01	1.838E-06	1.131E-05
4.5	5.030E-05	3.675E-06	3.633E-06	3.928E-06	1.308E+00	1.297E+00	9.239E-01	6.954E-01	2.129E-06	8.614E-06
7.5	2.014E-05	1.366E-06	1.349E-06	1.468E-06	6.072E-01	6.066E-01	5.030E-01	4.256E-01	2.538E-06	4.762E-06
15.0	5.315E-06	3.800E-07	3.756E-07	4.068E-07	2.243E-01	2.245E-01	2.103E-01	1.942E-01	2.603E-06	2.022E-06
25.0	2.052E-06	1.549E-07	1.532E-07	1.652E-07	1.097E-01	1.098E-01	1.076E-01	1.042E-01	2.439E-06	1.047E-06
35.0	1.123E-06	8.651E-08	8.557E-08	9.211E-08	6.863E-02	6.867E-02	6.828E-02	6.736E-02	2.283E-06	6.682E-07
45.0	7.199E-07	5.586E-08	5.526E-08	5.945E-08	4.826E-02	4.829E-02	4.827E-02	4.801E-02	2.152E-06	4.736E-07
55.0	5.062E-07	3.971E-08	3.929E-08	4.223E-08	3.658E-02	3.660E-02	3.667E-02	3.661E-02	2.041E-06	3.602E-07
65.0	3.773E-07	2.944E-08	2.913E-08	3.132E-08	2.877E-02	2.879E-02	2.888E-02	2.890E-02	1.946E-06	2.839E-07
75.0	2.933E-07	2.275E-08	2.250E-08	2.421E-08	2.338E-02	2.339E-02	2.349E-02	2.353E-02	1.863E-06	2.310E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.265E+02	4.946E+01	4.937E+01	4.937E+01	0.000E+00	5.499E+01	5.499E+01	5.499E+01	1.531E-01
2.5	6.137E+01	1.820E+01	1.816E+01	1.816E+01	0.000E+00	2.075E+01	2.075E+01	2.075E+01	2.576E-01
3.5	3.539E+01	8.634E+00	8.607E+00	8.607E+00	0.000E+00	1.012E+01	1.012E+01	1.012E+01	3.329E-01
4.5	2.293E+01	5.034E+00	5.016E+00	5.016E+00	0.000E+00	6.043E+00	6.043E+00	6.043E+00	3.855E-01
7.5	8.953E+00	1.746E+00	1.739E+00	1.739E+00	0.000E+00	2.219E+00	2.219E+00	2.219E+00	4.597E-01
15.0	2.342E+00	4.473E-01	4.454E-01	4.454E-01	0.000E+00	6.232E-01	6.232E-01	6.232E-01	4.714E-01
25.0	9.016E-01	1.734E-01	1.727E-01	1.727E-01	0.000E+00	2.596E-01	2.596E-01	2.596E-01	4.417E-01
35.0	4.908E-01	9.302E-02	9.262E-02	9.262E-02	0.000E+00	1.470E-01	1.470E-01	1.470E-01	4.135E-01
45.0	3.125E-01	5.759E-02	5.733E-02	5.733E-02	0.000E+00	9.558E-02	9.558E-02	9.558E-02	3.897E-01

55.0	2.184E-01	3.929E-02	3.911E-02	3.911E-02	0.000E+00	6.810E-02	6.810E-02	6.810E-02	3.695E-01
65.0	1.613E-01	2.779E-02	2.766E-02	2.766E-02	0.000E+00	5.046E-02	5.046E-02	5.046E-02	3.524E-01
75.0	1.243E-01	2.046E-02	2.036E-02	2.036E-02	0.000E+00	3.889E-02	3.889E-02	3.889E-02	3.374E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	3.295E-06	1.288E-06	1.287E-06	1.299E-06
2.5	1.599E-06	4.742E-07	4.731E-07	4.836E-07
3.5	9.219E-07	2.249E-07	2.243E-07	2.338E-07
4.5	5.973E-07	1.311E-07	1.307E-07	1.398E-07
7.5	2.332E-07	4.549E-08	4.531E-08	5.405E-08
15.0	6.100E-08	1.165E-08	1.161E-08	1.971E-08
25.0	2.349E-08	4.517E-09	4.500E-09	1.193E-08
35.0	1.278E-08	2.423E-09	2.413E-09	9.325E-09
45.0	8.141E-09	1.500E-09	1.494E-09	7.989E-09
55.0	5.688E-09	1.023E-09	1.019E-09	7.169E-09
65.0	4.202E-09	7.240E-10	7.208E-10	6.579E-09
75.0	3.239E-09	5.330E-10	5.305E-10	6.136E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.101E-03	1.070E-04	1.061E-04	1.123E-04	2.882E+01	2.692E+01	1.038E+01	4.365E+00	3.761E-06	9.663E-05
2.5	6.057E-04	4.449E-05	4.398E-05	4.753E-05	1.418E+01	1.381E+01	7.020E+00	3.907E+00	6.014E-06	6.439E-05
3.5	3.731E-04	2.313E-05	2.282E-05	2.504E-05	8.558E+00	8.481E+00	5.166E+00	3.359E+00	7.634E-06	4.745E-05
4.5	2.500E-04	1.431E-05	1.410E-05	1.560E-05	5.921E+00	5.901E+00	4.022E+00	2.856E+00	8.764E-06	3.712E-05
7.5	1.019E-04	5.438E-06	5.351E-06	5.966E-06	2.838E+00	2.838E+00	2.304E+00	1.851E+00	1.036E-05	2.151E-05
15.0	2.681E-05	1.464E-06	1.441E-06	1.602E-06	1.066E+00	1.066E+00	1.001E+00	9.103E-01	1.069E-05	9.568E-06
25.0	9.697E-06	5.462E-07	5.379E-07	5.962E-07	5.192E-01	5.195E-01	5.122E-01	4.972E-01	1.007E-05	4.986E-06
35.0	4.903E-06	2.812E-07	2.770E-07	3.064E-07	3.231E-01	3.233E-01	3.228E-01	3.200E-01	9.430E-06	3.163E-06
45.0	2.912E-06	1.693E-07	1.669E-07	1.843E-07	2.261E-01	2.263E-01	2.268E-01	2.265E-01	8.873E-06	2.228E-06
55.0	1.906E-06	1.137E-07	1.121E-07	1.235E-07	1.708E-01	1.709E-01	1.715E-01	1.717E-01	8.396E-06	1.686E-06

65.0	1.329E-06	7.990E-08	7.877E-08	8.671E-08	1.339E-01	1.340E-01	1.346E-01	1.349E-01	7.987E-06	1.323E-06
75.0	9.716E-07	5.887E-08	5.804E-08	6.384E-08	1.085E-01	1.086E-01	1.091E-01	1.094E-01	7.629E-06	1.073E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	5.028E+02	1.214E+02	1.210E+02	1.210E+02	0.000E+00	1.423E+02	1.423E+02	1.423E+02	6.810E-01
2.5	2.607E+02	4.528E+01	4.507E+01	4.507E+01	0.000E+00	5.601E+01	5.601E+01	5.601E+01	1.089E+00
3.5	1.554E+02	2.108E+01	2.095E+01	2.095E+01	0.000E+00	2.767E+01	2.767E+01	2.767E+01	1.383E+00
4.5	1.025E+02	1.203E+01	1.194E+01	1.194E+01	0.000E+00	1.661E+01	1.661E+01	1.661E+01	1.587E+00
7.5	4.093E+01	3.896E+00	3.861E+00	3.861E+00	0.000E+00	6.109E+00	6.109E+00	6.109E+00	1.876E+00
15.0	1.061E+01	8.748E-01	8.657E-01	8.657E-01	0.000E+00	1.710E+00	1.710E+00	1.710E+00	1.937E+00
25.0	3.813E+00	2.996E-01	2.963E-01	2.963E-01	0.000E+00	7.078E-01	7.078E-01	7.078E-01	1.824E+00
35.0	1.923E+00	1.488E-01	1.471E-01	1.471E-01	0.000E+00	4.032E-01	4.032E-01	4.032E-01	1.708E+00
45.0	1.141E+00	8.780E-02	8.681E-02	8.681E-02	0.000E+00	2.660E-01	2.660E-01	2.660E-01	1.607E+00
55.0	7.461E-01	5.814E-02	5.750E-02	5.750E-02	0.000E+00	1.928E-01	1.928E-01	1.928E-01	1.520E+00
65.0	5.198E-01	4.029E-02	3.984E-02	3.984E-02	0.000E+00	1.459E-01	1.459E-01	1.459E-01	1.446E+00
75.0	3.797E-01	2.928E-02	2.895E-02	2.895E-02	0.000E+00	1.150E-01	1.150E-01	1.150E-01	1.382E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.310E-05	3.161E-06	3.152E-06	3.221E-06
2.5	6.792E-06	1.180E-06	1.174E-06	1.226E-06
3.5	4.048E-06	5.492E-07	5.460E-07	5.904E-07
4.5	2.670E-06	3.133E-07	3.112E-07	3.521E-07
7.5	1.066E-06	1.015E-07	1.006E-07	1.377E-07
15.0	2.763E-07	2.279E-08	2.256E-08	5.624E-08
25.0	9.931E-08	7.804E-09	7.721E-09	3.852E-08
35.0	5.009E-08	3.876E-09	3.834E-09	3.242E-08
45.0	2.972E-08	2.287E-09	2.262E-09	2.905E-08
55.0	1.943E-08	1.515E-09	1.498E-09	2.680E-08
65.0	1.354E-08	1.049E-09	1.038E-09	2.508E-08
75.0	9.890E-09	7.627E-10	7.545E-10	2.370E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.640E-03	1.425E-04	1.411E-04	1.505E-04	3.731E+01	3.494E+01	1.307E+01	5.384E+00	4.601E-06	1.224E-04
2.5	8.663E-04	6.038E-05	5.965E-05	6.475E-05	1.849E+01	1.804E+01	8.959E+00	4.868E+00	7.389E-06	8.217E-05

3.5	5.241E-04	3.172E-05	3.127E-05	3.440E-05	1.118E+01	1.110E+01	6.639E+00	4.213E+00	9.391E-06
6.080E-05									
4.5	3.485E-04	1.976E-05	1.946E-05	2.155E-05	7.745E+00	7.724E+00	5.195E+00	3.606E+00	1.079E-05
4.775E-05									
7.5	1.415E-04	7.595E-06	7.473E-06	8.328E-06	3.705E+00	3.706E+00	2.995E+00	2.370E+00	1.276E-05
2.784E-05									
15.0	3.764E-05	2.071E-06	2.039E-06	2.265E-06	1.380E+00	1.381E+00	1.298E+00	1.178E+00	1.317E-05
1.240E-05									
25.0	1.375E-05	7.789E-07	7.671E-07	8.497E-07	6.675E-01	6.679E-01	6.593E-01	6.408E-01	1.238E-05
6.421E-06									
35.0	6.991E-06	4.023E-07	3.964E-07	4.383E-07	4.132E-01	4.135E-01	4.131E-01	4.099E-01	1.157E-05
4.049E-06									
45.0	4.169E-06	2.426E-07	2.391E-07	2.641E-07	2.881E-01	2.883E-01	2.891E-01	2.889E-01	1.085E-05
2.840E-06									
55.0	2.736E-06	1.628E-07	1.605E-07	1.769E-07	2.170E-01	2.171E-01	2.179E-01	2.183E-01	1.025E-05
2.143E-06									
65.0	1.912E-06	1.143E-07	1.127E-07	1.241E-07	1.697E-01	1.698E-01	1.705E-01	1.710E-01	9.729E-06
1.677E-06									
75.0	1.399E-06	8.411E-08	8.292E-08	9.128E-08	1.373E-01	1.373E-01	1.380E-01	1.384E-01	9.278E-06
1.357E-06									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	7.298E+02	1.549E+02	1.543E+02	1.543E+02	0.000E+00	1.820E+02	1.820E+02	1.820E+02	8.332E-01
2.5	3.676E+02	5.816E+01	5.786E+01	5.786E+01	0.000E+00	7.215E+01	7.215E+01	7.215E+01	1.338E+00
3.5	2.160E+02	2.702E+01	2.684E+01	2.684E+01	0.000E+00	3.563E+01	3.563E+01	3.563E+01	1.701E+00
4.5	1.416E+02	1.540E+01	1.528E+01	1.528E+01	0.000E+00	2.139E+01	2.139E+01	2.139E+01	1.955E+00
7.5	5.642E+01	5.000E+00	4.951E+00	4.951E+00	0.000E+00	7.886E+00	7.886E+00	7.886E+00	2.312E+00
15.0	1.480E+01	1.147E+00	1.135E+00	1.135E+00	0.000E+00	2.228E+00	2.228E+00	2.228E+00	2.385E+00
25.0	5.382E+00	4.022E-01	3.976E-01	3.976E-01	0.000E+00	9.266E-01	9.266E-01	9.266E-01	2.243E+00
35.0	2.732E+00	2.023E-01	2.000E-01	2.000E-01	0.000E+00	5.274E-01	5.274E-01	5.274E-01	2.094E+00
45.0	1.627E+00	1.201E-01	1.186E-01	1.186E-01	0.000E+00	3.470E-01	3.470E-01	3.470E-01	1.966E+00
55.0	1.067E+00	7.962E-02	7.870E-02	7.870E-02	0.000E+00	2.506E-01	2.506E-01	2.506E-01	1.856E+00
65.0	7.451E-01	5.518E-02	5.453E-02	5.453E-02	0.000E+00	1.890E-01	1.890E-01	1.890E-01	1.762E+00
75.0	5.449E-01	4.006E-02	3.959E-02	3.959E-02	0.000E+00	1.484E-01	1.484E-01	1.484E-01	1.680E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.901E-05	4.035E-06	4.021E-06	4.123E-06
2.5	9.574E-06	1.515E-06	1.508E-06	1.579E-06
3.5	5.627E-06	7.040E-07	6.995E-07	7.581E-07
4.5	3.688E-06	4.010E-07	3.981E-07	4.509E-07
7.5	1.470E-06	1.302E-07	1.290E-07	1.757E-07
15.0	3.856E-07	2.989E-08	2.956E-08	7.132E-08
25.0	1.402E-07	1.048E-08	1.036E-08	4.833E-08
35.0	7.116E-08	5.270E-09	5.211E-09	4.032E-08
45.0	4.239E-08	3.127E-09	3.092E-09	3.590E-08
55.0	2.780E-08	2.074E-09	2.051E-09	3.296E-08
65.0	1.941E-08	1.437E-09	1.421E-09	3.072E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.557E-04	1.615E-05	1.603E-05	1.690E-05	7.984E+00	7.815E+00	4.049E+00	1.830E+00	1.494E-06	3.540E-05
2.5	1.006E-04	5.923E-06	5.837E-06	6.439E-06	3.680E+00	3.653E+00	2.487E+00	1.567E+00	2.431E-06	2.222E-05
3.5	6.395E-05	2.863E-06	2.808E-06	3.199E-06	2.154E+00	2.150E+00	1.713E+00	1.299E+00	3.100E-06	1.574E-05
4.5	4.248E-05	1.704E-06	1.667E-06	1.928E-06	1.471E+00	1.471E+00	1.269E+00	1.064E+00	3.562E-06	1.192E-05
7.5	1.583E-05	6.296E-07	6.159E-07	7.133E-07	7.027E-01	7.030E-01	6.639E-01	6.213E-01	4.201E-06	6.407E-06
15.0	3.421E-06	1.850E-07	1.821E-07	2.027E-07	2.670E-01	2.671E-01	2.641E-01	2.587E-01	4.243E-06	2.579E-06
25.0	1.190E-06	8.052E-08	7.952E-08	8.655E-08	1.321E-01	1.321E-01	1.322E-01	1.318E-01	3.917E-06	1.298E-06
35.0	6.462E-07	4.697E-08	4.642E-08	5.021E-08	8.289E-02	8.293E-02	8.324E-02	8.335E-02	3.634E-06	8.183E-07
45.0	4.208E-07	3.126E-08	3.090E-08	3.337E-08	5.832E-02	5.835E-02	5.861E-02	5.877E-02	3.406E-06	5.765E-07
55.0	3.008E-07	2.266E-08	2.241E-08	2.417E-08	4.416E-02	4.418E-02	4.439E-02	4.453E-02	3.219E-06	4.367E-07
65.0	2.273E-07	1.706E-08	1.687E-08	1.820E-08	3.467E-02	3.469E-02	3.485E-02	3.498E-02	3.060E-06	3.429E-07
75.0	1.784E-07	1.332E-08	1.317E-08	1.422E-08	2.810E-02	2.812E-02	2.825E-02	2.835E-02	2.923E-06	2.780E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	6.900E+01	1.543E+01	1.537E+01	1.537E+01	0.000E+00	2.156E+01	2.156E+01	2.156E+01	2.706E-01
2.5	4.196E+01	5.630E+00	5.594E+00	5.594E+00	0.000E+00	8.488E+00	8.488E+00	8.488E+00	4.403E-01
3.5	2.617E+01	2.721E+00	2.698E+00	2.698E+00	0.000E+00	4.401E+00	4.401E+00	4.401E+00	5.613E-01
4.5	1.729E+01	1.634E+00	1.619E+00	1.619E+00	0.000E+00	2.784E+00	2.784E+00	2.784E+00	6.451E-01
7.5	6.467E+00	6.317E-01	6.262E-01	6.262E-01	0.000E+00	1.183E+00	1.183E+00	1.183E+00	7.608E-01
15.0	1.440E+00	1.978E-01	1.966E-01	1.966E-01	0.000E+00	4.082E-01	4.082E-01	4.082E-01	7.684E-01
25.0	5.120E-01	8.622E-02	8.579E-02	8.579E-02	0.000E+00	1.904E-01	1.904E-01	1.904E-01	7.093E-01
35.0	2.787E-01	4.865E-02	4.842E-02	4.842E-02	0.000E+00	1.141E-01	1.141E-01	1.141E-01	6.581E-01
45.0	1.805E-01	3.096E-02	3.081E-02	3.081E-02	0.000E+00	7.702E-02	7.702E-02	7.702E-02	6.169E-01
55.0	1.282E-01	2.143E-02	2.132E-02	2.132E-02	0.000E+00	5.632E-02	5.632E-02	5.632E-02	5.829E-01
65.0	9.602E-02	1.531E-02	1.523E-02	1.523E-02	0.000E+00	4.271E-02	4.271E-02	4.271E-02	5.542E-01

75.0	7.473E-02	1.134E-02	1.128E-02	1.128E-02	0.000E+00	3.355E-02	3.355E-02	3.355E-02	5.294E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.797E-06	4.019E-07	4.006E-07	4.133E-07
2.5	1.093E-06	1.466E-07	1.458E-07	1.589E-07
3.5	6.817E-07	7.087E-08	7.031E-08	8.342E-08
4.5	4.504E-07	4.256E-08	4.219E-08	5.544E-08
7.5	1.685E-07	1.646E-08	1.632E-08	2.987E-08
15.0	3.751E-08	5.153E-09	5.124E-09	1.805E-08
25.0	1.334E-08	2.246E-09	2.236E-09	1.405E-08
35.0	7.260E-09	1.267E-09	1.262E-09	1.220E-08
45.0	4.702E-09	8.063E-10	8.028E-10	1.105E-08
55.0	3.340E-09	5.581E-10	5.556E-10	1.023E-08
65.0	2.501E-09	3.989E-10	3.970E-10	9.590E-09
75.0	1.947E-09	2.954E-10	2.939E-10	9.074E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.214E-02	0.000E+00	0.000E+00	9.593E-04	0.000E+00	0.000E+00	0.000E+00	1.314E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.823E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.761E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.512E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.737E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.283E-04	4.315E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.545E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.795E-05

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     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.576E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.878E-04 0.000E+00
6.147E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.885E-06 0.000E+00 0.000E+00
3.424E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.744E-02 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  18
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.657E-01 0.000E+00 0.000E+00 1.102E-02 0.000E+00 0.000E+00 0.000E+00
1.323E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.054E-04 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.726E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.282E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.732E-05 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.347E-03 4.206E-04 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.343E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.674E-04
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.381E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.671E-03 0.000E+00
5.285E-04
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.599E-05 0.000E+00 0.000E+00
2.941E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 2.283E-01 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  19
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                              TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS AVG.LUNG

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.705E-02 0.000E+00 0.000E+00 9.684E-04 0.000E+00 0.000E+00 0.000E+00
9.106E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.068E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.069E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.066E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.769E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.696E-04 2.595E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.739E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.544E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.765E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.828E-05 0.000E+00
1.763E-05
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     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.087E-06 0.000E+00 0.000E+00
9.627E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 2.301E-02 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.280E+00 0.000E+00 0.000E+00 2.338E-01 0.000E+00 0.000E+00 0.000E+00
2.159E-03
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.719E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.724E-02 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.384E-02
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.236E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.711E-02 1.261E-02 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.223E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.035E-02
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.503E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.331E-02 0.000E+00
1.054E-02
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.160E-04 0.000E+00 0.000E+00
5.185E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 4.949E+00 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND            EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.788E-03 0.000E+00 0.000E+00 1.652E-04 0.000E+00 0.000E+00 0.000E+00
1.115E-06
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.677E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.424E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.204E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.302E-07 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.932E-05 2.938E-06 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.204E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.657E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.624E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.083E-06 0.000E+00
1.935E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.711E-07 0.000E+00 0.000E+00
1.165E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 4.400E-03 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                          DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.768E-02 0.000E+00 0.000E+00 1.961E-03 0.000E+00 0.000E+00 0.000E+00
1.897E-05
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.532E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.257E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.865E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.982E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.621E-04 1.099E-04 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.434E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.797E-04
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.113E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.822E-04 0.000E+00
9.309E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.315E-06 0.000E+00 0.000E+00
4.581E-05
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     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 2.948E-02 PERSON-REM/YR
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       8.655E-04 4.743E-04 3.164E-04 2.410E-04 7.574E-04 1.020E-03 8.861E-04 8.552E-04 8.546E-04 8.715E-04 8.920E-04
9.176E-04
     NNE     1.239E-03 6.669E-04 4.373E-04 3.279E-04 9.825E-04 1.194E-03 9.519E-04 8.687E-04 8.325E-04 8.226E-04 8.199E-04
8.257E-04
     NE      7.636E-04 4.329E-04 2.884E-04 2.181E-04 6.588E-04 8.014E-04 6.585E-04 6.209E-04 6.126E-04 6.200E-04 6.309E-04
6.462E-04
     ENE     4.484E-04 2.718E-04 1.854E-04 1.422E-04 4.392E-04 5.487E-04 4.697E-04 4.612E-04 4.719E-04 4.917E-04 5.129E-04
5.359E-04
     E       3.045E-04 1.979E-04 1.387E-04 1.083E-04 3.443E-04 4.450E-04 3.973E-04 4.039E-04 4.250E-04 4.522E-04 4.799E-04
5.082E-04
     ESE     3.282E-04 1.919E-04 1.278E-04 9.734E-05 3.036E-04 4.137E-04 4.045E-04 4.360E-04 4.759E-04 5.183E-04 5.593E-04
5.992E-04
     SE      5.605E-04 3.627E-04 2.518E-04 1.951E-04 6.066E-04 7.680E-04 7.059E-04 7.438E-04 8.058E-04 8.758E-04 9.449E-04
1.013E-03
     SSE     7.418E-04 5.133E-04 3.677E-04 2.892E-04 9.063E-04 1.106E-03 9.623E-04 9.851E-04 1.052E-03 1.134E-03 1.218E-03
1.302E-03
     S       8.276E-04 5.690E-04 4.087E-04 3.232E-04 1.040E-03 1.379E-03 1.293E-03 1.379E-03 1.506E-03 1.644E-03 1.782E-03
1.916E-03
     SSW     1.093E-03 7.531E-04 5.397E-04 4.260E-04 1.368E-03 1.806E-03 1.667E-03 1.751E-03 1.890E-03 2.047E-03 2.204E-03
2.358E-03
     SW      5.295E-04 3.528E-04 2.536E-04 2.024E-04 6.852E-04 1.051E-03 1.116E-03 1.260E-03 1.417E-03 1.572E-03 1.720E-03
1.861E-03
     WSW     1.963E-04 1.264E-04 9.167E-05 7.446E-05 2.690E-04 4.689E-04 5.337E-04 6.185E-04 7.033E-04 7.850E-04 8.619E-04
9.345E-04
     W       1.078E-04 7.862E-05 6.093E-05 5.137E-05 1.959E-04 3.564E-04 4.102E-04 4.764E-04 5.418E-04 6.048E-04 6.639E-04
7.197E-04
     WNW     1.237E-04 9.012E-05 6.920E-05 5.781E-05 2.160E-04 3.800E-04 4.237E-04 4.828E-04 5.425E-04 6.009E-04 6.558E-04
7.080E-04
     NW      2.750E-04 1.860E-04 1.352E-04 1.086E-04 3.756E-04 5.767E-04 5.679E-04 5.990E-04 6.398E-04 6.849E-04 7.289E-04
7.728E-04
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     NNW     4.555E-04 2.633E-04 1.814E-04 1.420E-04 4.794E-04 7.321E-04 6.955E-04 7.072E-04 7.326E-04 7.665E-04 8.007E-04
8.368E-04

                TOTAL DOSE COMMITMENT IS 1.286E-01 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       1.060E-02 5.847E-03 3.917E-03 2.989E-03 9.374E-03 1.242E-02 1.059E-02 1.008E-02 9.952E-03 1.005E-02 1.021E-02
1.043E-02
     NNE     1.513E-02 8.186E-03 5.385E-03 4.045E-03 1.213E-02 1.460E-02 1.149E-02 1.036E-02 9.818E-03 9.610E-03 9.499E-03
9.498E-03
     NE      9.345E-03 5.324E-03 3.560E-03 2.697E-03 8.143E-03 9.780E-03 7.897E-03 7.338E-03 7.155E-03 7.171E-03 7.238E-03
7.364E-03
     ENE     5.501E-03 3.355E-03 2.298E-03 1.767E-03 5.445E-03 6.677E-03 5.583E-03 5.388E-03 5.442E-03 5.616E-03 5.814E-03
6.039E-03
     E       3.755E-03 2.459E-03 1.732E-03 1.355E-03 4.294E-03 5.411E-03 4.694E-03 4.679E-03 4.858E-03 5.121E-03 5.397E-03
5.685E-03
     ESE     4.044E-03 2.390E-03 1.604E-03 1.226E-03 3.800E-03 4.988E-03 4.710E-03 4.978E-03 5.371E-03 5.805E-03 6.231E-03
6.650E-03
     SE      6.916E-03 4.517E-03 3.157E-03 2.453E-03 7.598E-03 9.318E-03 8.260E-03 8.517E-03 9.106E-03 9.815E-03 1.053E-02
1.124E-02
     SSE     9.179E-03 6.402E-03 4.615E-03 3.639E-03 1.138E-02 1.353E-02 1.136E-02 1.136E-02 1.195E-02 1.276E-02 1.362E-02
1.449E-02
     S       1.036E-02 7.201E-03 5.216E-03 4.138E-03 1.326E-02 1.696E-02 1.525E-02 1.585E-02 1.704E-02 1.844E-02 1.985E-02
2.125E-02
     SSW     1.374E-02 9.567E-03 6.913E-03 5.474E-03 1.753E-02 2.234E-02 1.978E-02 2.023E-02 2.149E-02 2.303E-02 2.462E-02
2.622E-02
     SW      6.641E-03 4.487E-03 3.252E-03 2.599E-03 8.669E-03 1.261E-02 1.285E-02 1.424E-02 1.584E-02 1.747E-02 1.903E-02
2.053E-02
     WSW     2.444E-03 1.602E-03 1.171E-03 9.503E-04 3.357E-03 5.520E-03 6.075E-03 6.941E-03 7.832E-03 8.701E-03 9.521E-03
1.030E-02
     W       1.352E-03 1.003E-03 7.821E-04 6.576E-04 2.443E-03 4.191E-03 4.670E-03 5.348E-03 6.037E-03 6.707E-03 7.338E-03
7.936E-03
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     WNW     1.545E-03 1.143E-03 8.827E-04 7.360E-04 2.690E-03 4.489E-03 4.849E-03 5.445E-03 6.067E-03 6.684E-03 7.267E-03
7.824E-03
     NW      3.402E-03 2.322E-03 1.695E-03 1.363E-03 4.669E-03 6.942E-03 6.656E-03 6.905E-03 7.291E-03 7.743E-03 8.190E-03
8.641E-03
     NNW     5.603E-03 3.266E-03 2.262E-03 1.772E-03 5.944E-03 8.854E-03 8.224E-03 8.236E-03 8.434E-03 8.747E-03 9.073E-03
9.428E-03

                TOTAL DOSE COMMITMENT IS 1.507E+00 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  25
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                             TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                 XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION      1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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-----
     N       4.009E-05 2.158E-05 1.422E-05 1.076E-05 3.385E-05 4.705E-05 4.226E-05 4.180E-05 4.257E-05 4.406E-05 4.565E-05
4.742E-05
     NNE     5.778E-05 3.072E-05 1.994E-05 1.487E-05 4.438E-05 5.476E-05 4.470E-05 4.164E-05 4.062E-05 4.075E-05 4.115E-05
4.190E-05
     NE      3.547E-05 1.982E-05 1.306E-05 9.820E-06 2.960E-05 3.685E-05 3.124E-05 3.018E-05 3.036E-05 3.120E-05 3.216E-05
3.328E-05
     ENE     2.068E-05 1.232E-05 8.288E-06 6.317E-06 1.951E-05 2.527E-05 2.257E-05 2.282E-05 2.384E-05 2.522E-05 2.662E-05
2.807E-05
     E       1.385E-05 8.806E-06 6.069E-06 4.704E-06 1.501E-05 2.039E-05 1.922E-05 2.022E-05 2.175E-05 2.349E-05 2.521E-05
2.690E-05
     ESE     1.496E-05 8.466E-06 5.500E-06 4.142E-06 1.303E-05 1.917E-05 2.003E-05 2.233E-05 2.485E-05 2.739E-05 2.980E-05
3.211E-05
     SE      2.545E-05 1.602E-05 1.089E-05 8.349E-06 2.603E-05 3.515E-05 3.460E-05 3.787E-05 4.194E-05 4.621E-05 5.031E-05
5.428E-05
     SSE     3.340E-05 2.256E-05 1.586E-05 1.235E-05 3.866E-05 4.973E-05 4.632E-05 4.947E-05 5.420E-05 5.940E-05 6.449E-05
6.946E-05
     S       3.606E-05 2.392E-05 1.671E-05 1.304E-05 4.202E-05 6.049E-05 6.200E-05 6.940E-05 7.789E-05 8.649E-05 9.473E-05
1.026E-04
     SSW     4.695E-05 3.129E-05 2.181E-05 1.698E-05 5.462E-05 7.810E-05 7.888E-05 8.720E-05 9.699E-05 1.070E-04 1.166E-04
1.258E-04
     SW      2.290E-05 1.458E-05 1.019E-05 8.069E-06 2.820E-05 4.881E-05 5.605E-05 6.551E-05 7.496E-05 8.403E-05 9.254E-05
1.005E-04
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     WSW     8.683E-06 5.290E-06 3.722E-06 3.014E-06 1.148E-05 2.270E-05 2.746E-05 3.259E-05 3.751E-05 4.217E-05 4.652E-05
5.062E-05
     W       4.664E-06 3.214E-06 2.433E-06 2.058E-06 8.371E-06 1.730E-05 2.112E-05 2.509E-05 2.888E-05 3.246E-05 3.581E-05
3.896E-05
     WNW     5.407E-06 3.758E-06 2.824E-06 2.362E-06 9.303E-06 1.835E-05 2.165E-05 2.526E-05 2.876E-05 3.211E-05 3.525E-05
3.821E-05
     NW      1.238E-05 8.166E-06 5.837E-06 4.670E-06 1.646E-05 2.702E-05 2.796E-05 3.031E-05 3.295E-05 3.572E-05 3.837E-05
4.097E-05
     NNW     2.086E-05 1.176E-05 7.980E-06 6.210E-06 2.123E-05 3.416E-05 3.379E-05 3.524E-05 3.718E-05 3.942E-05 4.162E-05
4.387E-05

                TOTAL DOSE COMMITMENT IS 6.313E-03 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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-----
     N       4.999E-04 2.701E-04 1.783E-04 1.350E-04 4.234E-04 5.796E-04 5.120E-04 5.000E-04 5.042E-04 5.179E-04 5.332E-04
5.511E-04
     NNE     7.196E-04 3.835E-04 2.494E-04 1.861E-04 5.548E-04 6.783E-04 5.465E-04 5.034E-04 4.863E-04 4.838E-04 4.852E-04
4.912E-04
     NE      4.421E-04 2.477E-04 1.636E-04 1.230E-04 3.701E-04 4.550E-04 3.795E-04 3.619E-04 3.604E-04 3.675E-04 3.763E-04
3.874E-04
     ENE     2.581E-04 1.543E-04 1.040E-04 7.934E-05 2.442E-04 3.105E-04 2.716E-04 2.708E-04 2.800E-04 2.941E-04 3.087E-04
3.241E-04
     E       1.733E-04 1.107E-04 7.648E-05 5.931E-05 1.883E-04 2.497E-04 2.298E-04 2.381E-04 2.536E-04 2.721E-04 2.905E-04
3.090E-04
     ESE     1.871E-04 1.066E-04 6.952E-05 5.240E-05 1.634E-04 2.325E-04 2.365E-04 2.600E-04 2.870E-04 3.148E-04 3.414E-04
3.670E-04
     SE      3.186E-04 2.016E-04 1.375E-04 1.056E-04 3.271E-04 4.285E-04 4.097E-04 4.415E-04 4.847E-04 5.311E-04 5.763E-04
6.201E-04
     SSE     4.188E-04 2.843E-04 2.005E-04 1.563E-04 4.870E-04 6.102E-04 5.518E-04 5.793E-04 6.282E-04 6.843E-04 7.398E-04
7.946E-04
     S       4.553E-04 3.042E-04 2.135E-04 1.668E-04 5.342E-04 7.419E-04 7.354E-04 8.089E-04 8.994E-04 9.931E-04 1.084E-03
1.171E-03
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SSW	5.946E-04	3.989E-04	2.795E-04	2.180E-04	6.967E-04	9.620E-04	9.394E-04	1.020E-03	1.123E-03	1.231E-03	1.336E-03	1.437E-03
SW	2.895E-04	1.860E-04	1.306E-04	1.033E-04	3.551E-04	5.868E-04	6.548E-04	7.561E-04	8.597E-04	9.603E-04	1.055E-03	1.144E-03
WSW	1.093E-04	6.726E-05	4.752E-05	3.838E-05	1.429E-04	2.697E-04	3.190E-04	3.750E-04	4.295E-04	4.815E-04	5.302E-04	5.760E-04
W	5.895E-05	4.106E-05	3.116E-05	2.626E-05	1.041E-04	2.055E-04	2.454E-04	2.889E-04	3.309E-04	3.709E-04	4.082E-04	4.435E-04
WNW	6.821E-05	4.782E-05	3.603E-05	3.005E-05	1.158E-04	2.190E-04	2.528E-04	2.919E-04	3.305E-04	3.676E-04	4.025E-04	4.356E-04
NW	1.553E-04	1.029E-04	7.373E-05	5.896E-05	2.057E-04	3.286E-04	3.326E-04	3.560E-04	3.837E-04	4.136E-04	4.423E-04	4.706E-04
NNW	2.608E-04	1.477E-04	1.004E-04	7.817E-05	2.653E-04	4.177E-04	4.055E-04	4.176E-04	4.365E-04	4.597E-04	4.827E-04	5.066E-04

TOTAL DOSE COMMITMENT IS 7.496E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	5.871E-05	3.460E-05	2.423E-05	1.890E-05	5.966E-05	7.336E-05	5.722E-05	5.064E-05	4.700E-05	4.498E-05	4.355E-05	4.268E-05
NNE	8.145E-05	4.632E-05	3.161E-05	2.425E-05	7.417E-05	8.659E-05	6.444E-05	5.506E-05	4.962E-05	4.632E-05	4.382E-05	4.207E-05
NE	5.117E-05	3.078E-05	2.142E-05	1.658E-05	5.084E-05	5.806E-05	4.333E-05	3.754E-05	3.441E-05	3.266E-05	3.142E-05	3.064E-05
ENE	3.094E-05	2.013E-05	1.444E-05	1.137E-05	3.536E-05	4.005E-05	2.986E-05	2.622E-05	2.452E-05	2.377E-05	2.335E-05	2.323E-05
E	2.224E-05	1.568E-05	1.163E-05	9.326E-06	2.963E-05	3.351E-05	2.495E-05	2.208E-05	2.092E-05	2.057E-05	2.052E-05	2.070E-05
ESE	2.378E-05	1.565E-05	1.130E-05	8.929E-06	2.763E-05	3.052E-05	2.336E-05	2.149E-05	2.111E-05	2.136E-05	2.185E-05	2.248E-05
SE	4.123E-05	2.947E-05	2.195E-05	1.759E-05	5.494E-05	5.894E-05	4.272E-05	3.795E-05	3.654E-05	3.659E-05	3.719E-05	3.816E-05

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     SSE     5.627E-05 4.233E-05 3.228E-05 2.619E-05 8.323E-05 8.960E-05 6.280E-05 5.397E-05 5.067E-05 4.983E-05 4.998E-05
5.078E-05
     S       7.021E-05 5.368E-05 4.157E-05 3.405E-05 1.103E-04 1.223E-04 8.742E-05 7.592E-05 7.180E-05 7.092E-05 7.149E-05
7.292E-05
     SSW     9.676E-05 7.336E-05 5.645E-05 4.610E-05 1.493E-04 1.665E-04 1.182E-04 1.013E-04 9.440E-05 9.200E-05 9.166E-05
9.258E-05
     SW      4.596E-05 3.484E-05 2.697E-05 2.201E-05 7.037E-05 7.898E-05 6.149E-05 5.812E-05 5.862E-05 6.064E-05 6.319E-05
6.603E-05
     WSW     1.587E-05 1.212E-05 9.526E-06 7.841E-06 2.534E-05 2.997E-05 2.569E-05 2.598E-05 2.730E-05 2.897E-05 3.069E-05
3.242E-05
     W       9.353E-06 8.004E-06 6.591E-06 5.546E-06 1.843E-05 2.248E-05 1.964E-05 2.002E-05 2.110E-05 2.242E-05 2.375E-05
2.509E-05
     WNW     1.038E-05 8.713E-06 7.098E-06 5.941E-06 1.973E-05 2.425E-05 2.094E-05 2.098E-05 2.179E-05 2.290E-05 2.404E-05
2.522E-05
     NW      2.083E-05 1.543E-05 1.184E-05 9.668E-06 3.198E-05 4.013E-05 3.295E-05 3.086E-05 3.022E-05 3.029E-05 3.058E-05
3.107E-05
     NNW     3.238E-05 2.054E-05 1.497E-05 1.196E-05 3.926E-05 5.112E-05 4.207E-05 3.871E-05 3.706E-05 3.637E-05 3.600E-05
3.595E-05

                TOTAL DOSE COMMITMENT IS 7.653E-03 PERSON-REM/YR

                                        WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                         ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                         FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                         BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                         TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  28
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS MILK ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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-----
     N       7.372E-04 4.259E-04 2.942E-04 2.277E-04 7.111E-04 8.664E-04 6.647E-04 5.773E-04 5.257E-04 4.946E-04 4.708E-04
4.545E-04
     NNE     1.032E-03 5.777E-04 3.898E-04 2.969E-04 8.981E-04 1.037E-03 7.596E-04 6.386E-04 5.659E-04 5.202E-04 4.843E-04
4.582E-04
     NE      6.446E-04 3.815E-04 2.622E-04 2.015E-04 6.107E-04 6.885E-04 5.047E-04 4.293E-04 3.863E-04 3.606E-04 3.412E-04
3.279E-04
     ENE     3.867E-04 2.468E-04 1.746E-04 1.362E-04 4.187E-04 4.670E-04 3.408E-04 2.928E-04 2.682E-04 2.554E-04 2.469E-04
2.421E-04
     E       2.738E-04 1.889E-04 1.380E-04 1.097E-04 3.441E-04 3.826E-04 2.783E-04 2.406E-04 2.234E-04 2.159E-04 2.121E-04
2.112E-04
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ESE	2.933E-04	1.871E-04	1.323E-04	1.033E-04	3.143E-04	3.401E-04	2.537E-04	2.279E-04	2.193E-04	2.185E-04	2.205E-04	2.245E-04
SE	5.066E-04	3.529E-04	2.580E-04	2.045E-04	6.285E-04	6.588E-04	4.640E-04	4.017E-04	3.787E-04	3.731E-04	3.743E-04	3.800E-04
SSE	6.860E-04	5.052E-04	3.790E-04	3.046E-04	9.530E-04	1.003E-03	6.834E-04	5.728E-04	5.268E-04	5.098E-04	5.045E-04	5.071E-04
S	8.332E-04	6.214E-04	4.728E-04	3.834E-04	1.222E-03	1.328E-03	9.261E-04	7.874E-04	7.316E-04	7.129E-04	7.105E-04	7.184E-04
SSW	1.137E-03	8.437E-04	6.388E-04	5.167E-04	1.648E-03	1.805E-03	1.255E-03	1.054E-03	9.661E-04	9.290E-04	9.151E-04	9.160E-04
SW	5.424E-04	3.991E-04	3.033E-04	2.452E-04	7.735E-04	8.512E-04	6.444E-04	5.950E-04	5.896E-04	6.023E-04	6.215E-04	6.446E-04
WSW	1.903E-04	1.395E-04	1.073E-04	8.740E-05	2.795E-04	3.251E-04	2.705E-04	2.668E-04	2.754E-04	2.884E-04	3.025E-04	3.171E-04
W	1.103E-04	9.096E-05	7.362E-05	6.149E-05	2.031E-04	2.444E-04	2.075E-04	2.062E-04	2.134E-04	2.238E-04	2.346E-04	2.459E-04
WNW	1.234E-04	1.001E-04	8.022E-05	6.667E-05	2.201E-04	2.678E-04	2.249E-04	2.195E-04	2.234E-04	2.312E-04	2.399E-04	2.492E-04
NW	2.540E-04	1.838E-04	1.389E-04	1.126E-04	3.695E-04	4.600E-04	3.696E-04	3.382E-04	3.242E-04	3.193E-04	3.172E-04	3.180E-04
NNW	4.014E-04	2.484E-04	1.782E-04	1.412E-04	4.601E-04	5.963E-04	4.822E-04	4.344E-04	4.074E-04	3.926E-04	3.820E-04	3.759E-04

TOTAL DOSE COMMITMENT IS 8.449E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.744E-02	2.283E-01	2.301E-02	2.174E-02	4.856E-02	4.949E+00
GROUND	4.400E-03	4.400E-03	4.400E-03	4.400E-03	4.400E-03	4.400E-03
CLOUD	2.948E-02	2.948E-02	2.948E-02	2.948E-02	2.948E-02	2.948E-02
VEG. ING	4.309E-02	5.049E-01	4.309E-02	1.312E-01	1.354E-01	4.309E-02
MEAT ING	3.680E-04	4.369E-03	3.680E-04	1.198E-03	1.093E-03	3.680E-04
MILK ING	3.980E-04	4.395E-03	3.980E-04	6.459E-04	1.360E-03	3.980E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTALS	9.517E-02	7.759E-01	1.008E-01	1.887E-01	2.203E-01	5.027E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.555E-02	1.002E+00	8.555E-02	2.604E-01	2.688E-01	8.555E-02
MEAT ING	5.945E-03	7.059E-02	5.945E-03	1.936E-02	1.765E-02	5.945E-03
MILK ING	7.254E-03	8.010E-02	7.254E-03	1.177E-02	2.479E-02	7.254E-03
RNPLUS50	4.529E+00	6.075E+01	9.941E-01	4.529E+00	4.529E+00	2.872E+01
TOTALS	4.627E+00	6.190E+01	1.093E+00	4.820E+00	4.840E+00	2.882E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.744E-02	2.283E-01	2.301E-02	2.174E-02	4.856E-02	4.949E+00
GROUND	4.400E-03	4.400E-03	4.400E-03	4.400E-03	4.400E-03	4.400E-03
CLOUD	2.948E-02	2.948E-02	2.948E-02	2.948E-02	2.948E-02	2.948E-02
VEG. ING	1.286E-01	1.507E+00	1.286E-01	3.916E-01	4.041E-01	1.286E-01
MEAT ING	6.313E-03	7.496E-02	6.313E-03	2.056E-02	1.874E-02	6.313E-03
MILK ING	7.653E-03	8.449E-02	7.653E-03	1.242E-02	2.615E-02	7.653E-03
RNPLUS50	4.529E+00	6.075E+01	9.941E-01	4.529E+00	4.529E+00	2.872E+01
TOTALS	4.723E+00	6.268E+01	1.194E+00	5.009E+00	5.060E+00	3.384E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	1.848E-07	1.848E-07	1.848E-07	1.844E-07	7.096E-02	7.096E-02	7.093E-02	7.093E-02
1	White Mesa Community	2	1.576E-05	3.465E-08	2.045E-08	1.227E-07	6.052E+00	1.330E-02	7.846E-03	7.846E-03
1	White Mesa Community	3	2.038E-06	2.038E-06	2.038E-06	2.034E-06	7.825E-01	7.825E-01	7.822E-01	7.822E-01
1	White Mesa Community	4	7.028E-07	7.028E-07	7.028E-07	7.012E-07	2.360E+00	2.360E+00	2.359E+00	2.359E+00
	CONCENTRATION TOTALS		1.869E-05	2.961E-06	2.946E-06	3.042E-06	9.266E+00	3.227E+00	3.220E+00	3.220E+00

2	BHV-1	1	2.386E-06	2.386E-06	2.386E-06	2.381E-06	9.162E-01	9.162E-01	9.158E-01
9.158E-01									
2	BHV-1	2	2.926E-04	6.432E-07	3.795E-07	2.278E-06	1.123E+02	2.469E-01	1.457E-01
1.457E-01									
2	BHV-1	3	1.940E-05	1.940E-05	1.940E-05	1.936E-05	7.449E+00	7.449E+00	7.445E+00
7.445E+00									
2	BHV-1	4	2.564E-05	2.564E-05	2.563E-05	2.558E-05	8.609E+01	8.609E+01	8.606E+01
8.606E+01									
	CONCENTRATION TOTALS		3.401E-04	4.807E-05	4.780E-05	4.959E-05	2.068E+02	9.471E+01	9.456E+01
9.456E+01									
3	BHV-2	1	3.622E-07	3.622E-07	3.622E-07	3.613E-07	1.390E-01	1.390E-01	1.390E-01
1.390E-01									
3	BHV-2	2	3.868E-05	8.502E-08	5.017E-08	3.011E-07	1.485E+01	3.264E-02	1.925E-02
1.925E-02									
3	BHV-2	3	3.553E-06	3.553E-06	3.553E-06	3.544E-06	1.364E+00	1.364E+00	1.363E+00
1.363E+00									
3	BHV-2	4	3.534E-06	3.534E-06	3.534E-06	3.526E-06	1.187E+01	1.187E+01	1.186E+01
1.186E+01									
	CONCENTRATION TOTALS		4.613E-05	7.534E-06	7.499E-06	7.733E-06	2.822E+01	1.341E+01	1.339E+01
1.339E+01									
4	Nearest Resident	1	1.045E-06	1.045E-06	1.045E-06	1.043E-06	4.012E-01	4.012E-01	4.011E-01
4.011E-01									
4	Nearest Resident	2	1.707E-04	3.751E-07	2.213E-07	1.328E-06	6.552E+01	1.440E-01	8.494E-02
8.494E-02									
4	Nearest Resident	3	1.183E-05	1.183E-05	1.183E-05	1.181E-05	4.543E+00	4.543E+00	4.541E+00
4.541E+00									
4	Nearest Resident	4	1.441E-05	1.441E-05	1.441E-05	1.437E-05	4.839E+01	4.839E+01	4.837E+01
4.837E+01									
	CONCENTRATION TOTALS		1.980E-04	2.766E-05	2.751E-05	2.855E-05	1.189E+02	5.348E+01	5.339E+01
5.339E+01									
5	Blanding	1	1.050E-07	1.050E-07	1.050E-07	1.048E-07	4.033E-02	4.032E-02	4.031E-02
4.031E-02									
5	Blanding	2	1.134E-05	2.492E-08	1.470E-08	8.824E-08	4.352E+00	9.566E-03	5.642E-03
5.642E-03									
5	Blanding	3	9.436E-07	9.436E-07	9.436E-07	9.414E-07	3.623E-01	3.622E-01	3.621E-01
3.621E-01									
5	Blanding	4	7.604E-07	7.604E-07	7.604E-07	7.587E-07	2.554E+00	2.554E+00	2.553E+00
2.553E+00									
	CONCENTRATION TOTALS		1.315E-05	1.834E-06	1.824E-06	1.893E-06	7.309E+00	2.966E+00	2.961E+00
2.961E+00									

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  6  Graz Loc 1            1    3.069E-05    3.069E-05    3.069E-05    3.062E-05    1.178E+01    1.178E+01    1.178E+01
1.178E+01
  6  Graz Loc 1            2    1.275E-03    2.803E-06    1.654E-06    9.928E-06    4.896E+02    1.076E+00    6.348E-01
6.348E-01
  6  Graz Loc 1            3    4.253E-04    4.253E-04    4.253E-04    4.243E-04    1.633E+02    1.633E+02    1.632E+02
1.632E+02
  6  Graz Loc 1            4    5.826E-04    5.826E-04    5.826E-04    5.813E-04    1.957E+03    1.957E+03    1.956E+03
1.956E+03
    CONCENTRATION TOTALS        2.314E-03    1.041E-03    1.040E-03    1.046E-03    2.621E+03    2.133E+03    2.132E+03
2.132E+03
 ----------------------------   ----------------------------------------------    ----------------------------------------------
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  7  Graz Loc 2            1    8.605E-06    8.605E-06    8.605E-06    8.585E-06    3.303E+00    3.303E+00    3.302E+00
3.302E+00
  7  Graz Loc 2            2    7.400E-04    1.627E-06    9.598E-07    5.760E-06    2.841E+02    6.245E-01    3.683E-01
3.683E-01
  7  Graz Loc 2            3    4.401E-05    4.401E-05    4.401E-05    4.391E-05    1.690E+01    1.690E+01    1.689E+01
1.689E+01
  7  Graz Loc 2            4    2.016E-05    2.016E-05    2.016E-05    2.011E-05    6.769E+01    6.769E+01    6.767E+01
6.767E+01
    CONCENTRATION TOTALS        8.128E-04    7.440E-05    7.373E-05    7.836E-05    3.720E+02    8.852E+01    8.822E+01
8.822E+01
 ----------------------------   ----------------------------------------------    ----------------------------------------------
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1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08
                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                     INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS
                                 AIRBORNE CONCENTRATIONS, PCI/M3                              GROUND CONCENTRATIONS, PCI/M2
   NO.     Rn-222    Po-218    Pb-214    Bi-214    Pb-210    Bi-210    Po-210       WL     Po-218    Pb-214    Bi-214    Pb-210
   ---   ------------------------------------------------------------------------------ ---------------------------------------
-
    1    1.311E+00 1.310E+00 1.071E+00 8.804E-01 5.855E-06 4.268E-08 8.206E-12 1.006E-05 1.038E+00 1.038E+00 1.038E+00
1.060E+00
    2    7.351E+00 6.573E+00 2.612E+00 1.191E+00 1.133E-06 1.265E-09 3.999E-14 2.446E-05 5.206E+00 5.206E+00 5.206E+00 2.052E-
01
    3    1.753E+00 1.728E+00 1.144E+00 8.436E-01 2.729E-06 9.615E-09 9.180E-13 1.073E-05 1.369E+00 1.369E+00 1.369E+00 4.943E-
01
    4    4.768E+00 4.451E+00 2.124E+00 1.180E+00 1.735E-06 3.032E-09 1.518E-13 1.975E-05 3.526E+00 3.526E+00 3.526E+00 3.142E-
01
    5    5.831E-01 5.829E-01 4.922E-01 4.208E-01 3.479E-06 3.017E-08 6.793E-12 4.666E-06 4.617E-01 4.617E-01 4.617E-01 6.300E-
01
    6    1.139E+02 7.415E+01 9.021E+00 1.087E+00 1.901E-07 4.370E-11 3.110E-16 1.262E-04 5.873E+01 5.873E+01 5.873E+01 3.443E-
02
    7    2.034E+01 1.919E+01 8.083E+00 3.727E+00 3.720E-06 4.391E-09 1.469E-13 7.465E-05 1.520E+01 1.520E+01 1.520E+01 6.736E-
01
1REGION: 2008- Colorado Plateau M    CODE: MILDOS-AREA (02/97)          PAGE  32
 METSET:                             DATA: CPNOTAIL.MIL                 01/27/08
                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0
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NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.56E-02	8.91E-02	3.18E-02	1.27E-02	6.25E-02	0.00E+00
INFANT	GROUND	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05
INFANT	CLOUD	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.12E-03	1.26E-02	2.65E-03	2.65E-03	1.09E-02	0.00E+00
INFANT	TOTALS	2.97E-02	1.02E-01	3.45E-02	1.53E-02	7.35E-02	3.85E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.92E-03	3.87E-02	1.36E-02	4.81E-03	1.64E-02	0.00E+00
CHILD	GROUND	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05
CHILD	CLOUD	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09
CHILD	VEG. ING	4.00E-03	1.98E-02	1.39E-02	1.39E-02	1.53E-02	0.00E+00
CHILD	MEAT ING	1.04E-04	5.17E-04	4.38E-04	4.38E-04	3.98E-04	0.00E+00
CHILD	MILK ING	3.52E-04	2.04E-03	5.96E-04	5.96E-04	1.47E-03	0.00E+00
CHILD	TOTALS	1.04E-02	6.11E-02	2.86E-02	1.98E-02	3.36E-02	3.85E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.91E-03	6.45E-02	6.93E-03	2.16E-03	8.26E-03	0.00E+00
TEENAGE	GROUND	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05
TEENAGE	CLOUD	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09
TEENAGE	VEG. ING	6.26E-03	1.09E-01	1.24E-02	1.24E-02	1.58E-02	0.00E+00
TEENAGE	MEAT ING	1.61E-04	2.72E-03	3.83E-04	3.83E-04	3.99E-04	0.00E+00
TEENAGE	MILK ING	4.21E-04	9.10E-03	3.83E-04	3.83E-04	1.12E-03	0.00E+00
TEENAGE	TOTALS	1.08E-02	1.85E-01	2.01E-02	1.54E-02	2.56E-02	3.85E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.03E-03	4.03E-02	5.61E-03	1.66E-03	5.89E-03	0.00E+00
ADULT	GROUND	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05	3.85E-05
ADULT	CLOUD	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09	2.06E-09
ADULT	VEG. ING	3.44E-03	4.28E-02	8.07E-03	8.07E-03	9.62E-03	0.00E+00
ADULT	MEAT ING	1.15E-04	1.43E-03	3.16E-04	3.16E-04	3.14E-04	0.00E+00
ADULT	MILK ING	7.78E-05	1.16E-03	9.48E-05	9.48E-05	2.46E-04	0.00E+00
ADULT	TOTALS	6.69E-03	8.57E-02	1.41E-02	1.02E-02	1.61E-02	3.85E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.25E-01	9.23E-02	3.21E-02	2.91E-02	6.89E-02	1.64E+00
INFANT	GROUND	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04
INFANT	CLOUD	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	4.25E-03	1.28E-02	3.15E-03	3.15E-03	1.14E-02	0.00E+00
INFANT	TOTALS	1.40E-01	1.16E-01	4.60E-02	4.29E-02	9.10E-02	1.65E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.05E-01	4.11E-02	1.38E-02	1.21E-02	1.94E-02	1.64E+00
CHILD	GROUND	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04
CHILD	CLOUD	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03
CHILD	VEG. ING	4.53E-03	2.22E-02	1.67E-02	1.67E-02	1.74E-02	0.00E+00
CHILD	MEAT ING	1.21E-04	5.94E-04	5.29E-04	5.29E-04	4.64E-04	0.00E+00
CHILD	MILK ING	3.73E-04	2.13E-03	7.11E-04	7.11E-04	1.56E-03	0.00E+00
CHILD	TOTALS	1.20E-01	7.67E-02	4.24E-02	4.08E-02	4.95E-02	1.65E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.03E-01	7.04E-02	6.99E-03	5.29E-03	9.76E-03	1.64E+00
TEENAGE	GROUND	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04
TEENAGE	CLOUD	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03
TEENAGE	VEG. ING	7.06E-03	1.21E-01	1.49E-02	1.49E-02	1.79E-02	0.00E+00
TEENAGE	MEAT ING	1.86E-04	3.09E-03	4.62E-04	4.62E-04	4.65E-04	0.00E+00
TEENAGE	MILK ING	4.44E-04	9.44E-03	4.57E-04	4.57E-04	1.18E-03	0.00E+00
TEENAGE	TOTALS	1.21E-01	2.14E-01	3.35E-02	3.18E-02	4.00E-02	1.65E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.02E-01	4.38E-02	5.66E-03	4.26E-03	7.14E-03	1.64E+00
ADULT	GROUND	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04	8.02E-04
ADULT	CLOUD	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03
ADULT	VEG. ING	3.92E-03	4.84E-02	9.73E-03	9.73E-03	1.10E-02	0.00E+00
ADULT	MEAT ING	1.34E-04	1.65E-03	3.82E-04	3.82E-04	3.68E-04	0.00E+00
ADULT	MILK ING	8.31E-05	1.22E-03	1.13E-04	1.13E-04	2.61E-04	0.00E+00
ADULT	TOTALS	1.17E-01	1.06E-01	2.66E-02	2.52E-02	2.94E-02	1.65E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.20E-01	1.45E+00	3.55E-01	2.04E-01	1.11E+00	0.00E+00
INFANT	GROUND	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04
INFANT	CLOUD	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.01E-01	3.11E-01	7.72E-02	7.72E-02	2.59E-01	0.00E+00
INFANT	TOTALS	5.21E-01	1.77E+00	4.33E-01	2.82E-01	1.37E+00	9.30E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.78E-02	5.81E-01	1.49E-01	7.74E-02	2.91E-01	0.00E+00
CHILD	GROUND	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04
CHILD	CLOUD	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08
CHILD	VEG. ING	1.11E-01	5.51E-01	4.05E-01	4.05E-01	4.11E-01	0.00E+00
CHILD	MEAT ING	2.95E-03	1.47E-02	1.28E-02	1.28E-02	1.11E-02	0.00E+00
CHILD	MILK ING	9.04E-03	5.37E-02	1.74E-02	1.74E-02	3.58E-02	0.00E+00
CHILD	TOTALS	2.12E-01	1.20E+00	5.86E-01	5.14E-01	7.50E-01	9.30E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.77E-02	1.04E+00	7.55E-02	3.48E-02	1.46E-01	0.00E+00
TEENAGE	GROUND	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04
TEENAGE	CLOUD	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08
TEENAGE	VEG. ING	1.75E-01	3.01E+00	3.62E-01	3.62E-01	4.24E-01	0.00E+00
TEENAGE	MEAT ING	4.59E-03	7.70E-02	1.12E-02	1.12E-02	1.11E-02	0.00E+00
TEENAGE	MILK ING	1.12E-02	2.40E-01	1.12E-02	1.12E-02	2.73E-02	0.00E+00
TEENAGE	TOTALS	2.50E-01	4.36E+00	4.61E-01	4.20E-01	6.09E-01	9.30E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.28E-02	6.07E-01	6.09E-02	2.67E-02	1.04E-01	0.00E+00
ADULT	GROUND	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04	9.30E-04
ADULT	CLOUD	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08
ADULT	VEG. ING	9.70E-02	1.20E+00	2.36E-01	2.36E-01	2.60E-01	0.00E+00
ADULT	MEAT ING	3.29E-03	4.09E-02	9.24E-03	9.24E-03	8.80E-03	0.00E+00
ADULT	MILK ING	2.08E-03	3.11E-02	2.76E-03	2.76E-03	6.02E-03	0.00E+00

ADULT	TOTALS	1.46E-01	1.88E+00	3.10E-01	2.76E-01	3.80E-01	9.30E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.71E-01	1.46E+00	3.55E-01	2.07E-01	1.11E+00	9.19E+00
INFANT	GROUND	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
INFANT	CLOUD	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.01E-01	3.12E-01	7.73E-02	7.73E-02	2.59E-01	0.00E+00
INFANT	TOTALS	1.11E+00	1.80E+00	4.66E-01	3.18E-01	1.40E+00	9.22E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.39E-01	5.82E-01	1.50E-01	7.88E-02	2.91E-01	9.19E+00
CHILD	GROUND	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
CHILD	CLOUD	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
CHILD	VEG. ING	1.11E-01	5.52E-01	4.06E-01	4.06E-01	4.12E-01	0.00E+00
CHILD	MEAT ING	2.96E-03	1.47E-02	1.28E-02	1.28E-02	1.11E-02	0.00E+00
CHILD	MILK ING	9.05E-03	5.38E-02	1.74E-02	1.74E-02	3.58E-02	0.00E+00
CHILD	TOTALS	7.96E-01	1.24E+00	6.19E-01	5.49E-01	7.84E-01	9.22E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.09E-01	1.04E+00	7.56E-02	3.54E-02	1.46E-01	9.19E+00
TEENAGE	GROUND	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
TEENAGE	CLOUD	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
TEENAGE	VEG. ING	1.75E-01	3.01E+00	3.62E-01	3.62E-01	4.24E-01	0.00E+00
TEENAGE	MEAT ING	4.59E-03	7.70E-02	1.12E-02	1.12E-02	1.11E-02	0.00E+00
TEENAGE	MILK ING	1.12E-02	2.40E-01	1.12E-02	1.12E-02	2.73E-02	0.00E+00
TEENAGE	TOTALS	8.34E-01	4.40E+00	4.94E-01	4.54E-01	6.43E-01	9.22E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.94E-01	6.08E-01	6.09E-02	2.72E-02	1.05E-01	9.19E+00
ADULT	GROUND	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
ADULT	CLOUD	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02	1.50E-02
ADULT	VEG. ING	9.71E-02	1.20E+00	2.36E-01	2.36E-01	2.61E-01	0.00E+00

ADULT	MEAT ING	3.30E-03	4.09E-02	9.26E-03	9.26E-03	8.81E-03	0.00E+00
ADULT	MILK ING	2.08E-03	3.11E-02	2.77E-03	2.77E-03	6.02E-03	0.00E+00
ADULT	TOTALS	7.30E-01	1.92E+00	3.43E-01	3.09E-01	4.14E-01	9.22E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.03E-02	2.11E-01	5.92E-02	3.18E-02	1.54E-01	0.00E+00
INFANT	GROUND	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04
INFANT	CLOUD	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.39E-02	4.32E-02	1.09E-02	1.09E-02	3.57E-02	0.00E+00
INFANT	TOTALS	7.43E-02	2.55E-01	7.03E-02	4.29E-02	1.90E-01	1.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.33E-02	8.88E-02	2.52E-02	1.21E-02	4.05E-02	0.00E+00
CHILD	GROUND	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04
CHILD	CLOUD	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09
CHILD	VEG. ING	1.56E-02	7.75E-02	5.74E-02	5.74E-02	5.76E-02	0.00E+00
CHILD	MEAT ING	4.16E-04	2.07E-03	1.81E-03	1.81E-03	1.56E-03	0.00E+00
CHILD	MILK ING	1.26E-03	7.51E-03	2.46E-03	2.46E-03	4.95E-03	0.00E+00
CHILD	TOTALS	3.07E-02	1.76E-01	8.69E-02	7.38E-02	1.05E-01	1.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.76E-03	1.53E-01	1.28E-02	5.44E-03	2.04E-02	0.00E+00
TEENAGE	GROUND	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04
TEENAGE	CLOUD	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09
TEENAGE	VEG. ING	2.47E-02	4.23E-01	5.12E-02	5.12E-02	5.94E-02	0.00E+00
TEENAGE	MEAT ING	6.47E-04	1.08E-02	1.58E-03	1.58E-03	1.56E-03	0.00E+00
TEENAGE	MILK ING	1.56E-03	3.36E-02	1.58E-03	1.58E-03	3.77E-03	0.00E+00
TEENAGE	TOTALS	3.58E-02	6.20E-01	6.73E-02	5.99E-02	8.52E-02	1.28E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.64E-03	9.27E-02	1.03E-02	4.17E-03	1.46E-02	0.00E+00
ADULT	GROUND	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04
ADULT	CLOUD	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09	5.10E-09

ADULT	VEG. ING	1.37E-02	1.69E-01	3.34E-02	3.34E-02	3.65E-02	0.00E+00
ADULT	MEAT ING	4.65E-04	5.77E-03	1.31E-03	1.31E-03	1.24E-03	0.00E+00
ADULT	MILK ING	2.91E-04	4.35E-03	3.91E-04	3.91E-04	8.33E-04	0.00E+00
ADULT	TOTALS	2.12E-02	2.72E-01	4.55E-02	3.94E-02	5.32E-02	1.28E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.92E-01	2.13E-01	5.94E-02	3.95E-02	1.57E-01	2.19E+00
INFANT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
INFANT	CLOUD	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.40E-02	4.33E-02	1.11E-02	1.11E-02	3.59E-02	0.00E+00
INFANT	TOTALS	2.19E-01	2.69E-01	8.30E-02	6.31E-02	2.06E-01	2.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.45E-01	9.00E-02	2.53E-02	1.55E-02	4.19E-02	2.19E+00
CHILD	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
CHILD	CLOUD	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03
CHILD	VEG. ING	1.58E-02	7.86E-02	5.87E-02	5.87E-02	5.86E-02	0.00E+00
CHILD	MEAT ING	4.24E-04	2.11E-03	1.85E-03	1.85E-03	1.59E-03	0.00E+00
CHILD	MILK ING	1.27E-03	7.56E-03	2.51E-03	2.51E-03	4.99E-03	0.00E+00
CHILD	TOTALS	1.75E-01	1.91E-01	1.01E-01	9.10E-02	1.20E-01	2.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.40E-01	1.55E-01	1.28E-02	6.90E-03	2.11E-02	2.19E+00
TEENAGE	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
TEENAGE	CLOUD	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03
TEENAGE	VEG. ING	2.50E-02	4.28E-01	5.24E-02	5.24E-02	6.04E-02	0.00E+00
TEENAGE	MEAT ING	6.59E-04	1.10E-02	1.62E-03	1.62E-03	1.59E-03	0.00E+00
TEENAGE	MILK ING	1.57E-03	3.38E-02	1.61E-03	1.61E-03	3.80E-03	0.00E+00
TEENAGE	TOTALS	1.80E-01	6.41E-01	8.08E-02	7.49E-02	9.93E-02	2.20E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

ADULT	INHAL.	1.38E-01	9.43E-02	1.03E-02	5.38E-03	1.51E-02	2.19E+00
ADULT	GROUND	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03	2.77E-03
ADULT	CLOUD	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03	9.65E-03
ADULT	VEG. ING	1.39E-02	1.72E-01	3.41E-02	3.41E-02	3.71E-02	0.00E+00
ADULT	MEAT ING	4.74E-04	5.87E-03	1.34E-03	1.34E-03	1.26E-03	0.00E+00
ADULT	MILK ING	2.94E-04	4.38E-03	4.00E-04	4.00E-04	8.40E-04	0.00E+00
ADULT	TOTALS	1.65E-01	2.89E-01	5.86E-02	5.37E-02	6.68E-02	2.20E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.43E-01	8.42E-01	1.99E-01	1.18E-01	6.46E-01	0.00E+00
INFANT	GROUND	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
INFANT	CLOUD	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.75E-02	1.78E-01	4.36E-02	4.36E-02	1.48E-01	0.00E+00
INFANT	TOTALS	3.01E-01	1.02E+00	2.43E-01	1.62E-01	7.94E-01	5.32E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.05E-02	3.34E-01	8.37E-02	4.47E-02	1.69E-01	0.00E+00
CHILD	GROUND	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
CHILD	CLOUD	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08
CHILD	VEG. ING	6.28E-02	3.12E-01	2.29E-01	2.29E-01	2.34E-01	0.00E+00
CHILD	MEAT ING	1.67E-03	8.31E-03	7.23E-03	7.23E-03	6.28E-03	0.00E+00
CHILD	MILK ING	5.15E-03	3.05E-02	9.82E-03	9.82E-03	2.04E-02	0.00E+00
CHILD	TOTALS	1.21E-01	6.86E-01	3.30E-01	2.91E-01	4.30E-01	5.32E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.32E-02	6.00E-01	4.23E-02	2.01E-02	8.50E-02	0.00E+00
TEENAGE	GROUND	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
TEENAGE	CLOUD	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08
TEENAGE	VEG. ING	9.92E-02	1.70E+00	2.04E-01	2.04E-01	2.41E-01	0.00E+00
TEENAGE	MEAT ING	2.60E-03	4.36E-02	6.32E-03	6.32E-03	6.29E-03	0.00E+00
TEENAGE	MILK ING	6.35E-03	1.37E-01	6.31E-03	6.31E-03	1.56E-02	0.00E+00
TEENAGE	TOTALS	1.42E-01	2.48E+00	2.60E-01	2.38E-01	3.48E-01	5.32E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

ADULT	INHAL.	2.46E-02	3.49E-01	3.41E-02	1.54E-02	6.06E-02	0.00E+00
ADULT	GROUND	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04	5.32E-04
ADULT	CLOUD	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08	2.16E-08
ADULT	VEG. ING	5.49E-02	6.80E-01	1.33E-01	1.33E-01	1.48E-01	0.00E+00
ADULT	MEAT ING	1.86E-03	2.31E-02	5.22E-03	5.22E-03	4.98E-03	0.00E+00
ADULT	MILK ING	1.18E-03	1.76E-02	1.56E-03	1.56E-03	3.44E-03	0.00E+00
ADULT	TOTALS	8.30E-02	1.07E+00	1.75E-01	1.56E-01	2.17E-01	5.32E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.01E-01	8.43E-01	1.99E-01	1.23E-01	6.48E-01	5.96E+00
INFANT	GROUND	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02
INFANT	CLOUD	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	5.75E-02	1.78E-01	4.37E-02	4.37E-02	1.48E-01	0.00E+00
INFANT	TOTALS	6.84E-01	1.05E+00	2.68E-01	1.91E-01	8.21E-01	5.98E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.08E-01	3.35E-01	8.37E-02	4.68E-02	1.70E-01	5.96E+00
CHILD	GROUND	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02
CHILD	CLOUD	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02
CHILD	VEG. ING	6.30E-02	3.13E-01	2.30E-01	2.30E-01	2.34E-01	0.00E+00
CHILD	MEAT ING	1.68E-03	8.33E-03	7.25E-03	7.25E-03	6.30E-03	0.00E+00
CHILD	MILK ING	5.15E-03	3.06E-02	9.85E-03	9.85E-03	2.05E-02	0.00E+00
CHILD	TOTALS	5.03E-01	7.12E-01	3.56E-01	3.19E-01	4.56E-01	5.98E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.91E-01	6.02E-01	4.23E-02	2.10E-02	8.54E-02	5.96E+00
TEENAGE	GROUND	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02
TEENAGE	CLOUD	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02
TEENAGE	VEG. ING	9.94E-02	1.71E+00	2.05E-01	2.05E-01	2.41E-01	0.00E+00
TEENAGE	MEAT ING	2.60E-03	4.37E-02	6.35E-03	6.35E-03	6.31E-03	0.00E+00
TEENAGE	MILK ING	6.35E-03	1.37E-01	6.33E-03	6.33E-03	1.56E-02	0.00E+00

TEENAGE	TOTALS	5.24E-01	2.51E+00	2.85E-01	2.64E-01	3.74E-01	5.98E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.82E-01	3.50E-01	3.41E-02	1.62E-02	6.10E-02	5.96E+00
ADULT	GROUND	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02
ADULT	CLOUD	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02	1.42E-02
ADULT	VEG. ING	5.50E-02	6.82E-01	1.34E-01	1.34E-01	1.48E-01	0.00E+00
ADULT	MEAT ING	1.87E-03	2.32E-02	5.24E-03	5.24E-03	5.00E-03	0.00E+00
ADULT	MILK ING	1.18E-03	1.77E-02	1.57E-03	1.57E-03	3.44E-03	0.00E+00
ADULT	TOTALS	4.65E-01	1.10E+00	2.00E-01	1.82E-01	2.42E-01	5.98E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.66E-02	5.74E-02	1.63E-02	7.83E-03	4.29E-02	0.00E+00
INFANT	GROUND	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05
INFANT	CLOUD	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.41E-03	1.05E-02	2.42E-03	2.42E-03	8.90E-03	0.00E+00
INFANT	TOTALS	2.01E-02	6.79E-02	1.87E-02	1.03E-02	5.18E-02	3.17E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.57E-03	2.34E-02	6.90E-03	2.97E-03	1.12E-02	0.00E+00
CHILD	GROUND	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05
CHILD	CLOUD	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09
CHILD	VEG. ING	3.56E-03	1.77E-02	1.27E-02	1.27E-02	1.34E-02	0.00E+00
CHILD	MEAT ING	9.38E-05	4.66E-04	4.01E-04	4.01E-04	3.55E-04	0.00E+00
CHILD	MILK ING	2.99E-04	1.76E-03	5.46E-04	5.46E-04	1.22E-03	0.00E+00
CHILD	TOTALS	7.55E-03	4.33E-02	2.06E-02	1.67E-02	2.62E-02	3.17E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.35E-03	4.11E-02	3.49E-03	1.34E-03	5.65E-03	0.00E+00
TEENAGE	GROUND	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05
TEENAGE	CLOUD	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09
TEENAGE	VEG. ING	5.60E-03	9.66E-02	1.14E-02	1.14E-02	1.38E-02	0.00E+00
TEENAGE	MEAT ING	1.45E-04	2.45E-03	3.51E-04	3.51E-04	3.56E-04	0.00E+00
TEENAGE	MILK ING	3.65E-04	7.87E-03	3.51E-04	3.51E-04	9.25E-04	0.00E+00

TEENAGE	TOTALS	8.49E-03	1.48E-01	1.56E-02	1.34E-02	2.08E-02	3.17E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.76E-03	2.44E-02	2.82E-03	1.02E-03	4.03E-03	0.00E+00
ADULT	GROUND	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.17E-05
ADULT	CLOUD	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09	1.44E-09
ADULT	VEG. ING	3.09E-03	3.83E-02	7.40E-03	7.40E-03	8.43E-03	0.00E+00
ADULT	MEAT ING	1.04E-04	1.29E-03	2.90E-04	2.90E-04	2.81E-04	0.00E+00
ADULT	MILK ING	6.77E-05	1.01E-03	8.68E-05	8.68E-05	2.04E-04	0.00E+00
ADULT	TOTALS	5.05E-03	6.50E-02	1.06E-02	8.83E-03	1.30E-02	3.17E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.10E-02	5.93E-02	1.64E-02	1.76E-02	4.67E-02	7.29E-01
INFANT	GROUND	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04
INFANT	CLOUD	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.49E-03	1.06E-02	2.72E-03	2.72E-03	9.16E-03	0.00E+00
INFANT	TOTALS	6.98E-02	7.53E-02	2.45E-02	2.56E-02	6.12E-02	7.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.76E-02	2.48E-02	6.98E-03	7.30E-03	1.30E-02	7.29E-01
CHILD	GROUND	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04
CHILD	CLOUD	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03
CHILD	VEG. ING	3.87E-03	1.91E-02	1.44E-02	1.44E-02	1.46E-02	0.00E+00
CHILD	MEAT ING	1.04E-04	5.12E-04	4.55E-04	4.55E-04	3.94E-04	0.00E+00
CHILD	MILK ING	3.12E-04	1.82E-03	6.14E-04	6.14E-04	1.27E-03	0.00E+00
CHILD	TOTALS	5.72E-02	5.16E-02	2.78E-02	2.81E-02	3.46E-02	7.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.64E-02	4.46E-02	3.53E-03	3.19E-03	6.54E-03	7.29E-01
TEENAGE	GROUND	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04
TEENAGE	CLOUD	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03

TEENAGE	VEG. ING	6.07E-03	1.04E-01	1.29E-02	1.29E-02	1.50E-02	0.00E+00
TEENAGE	MEAT ING	1.60E-04	2.67E-03	3.98E-04	3.98E-04	3.95E-04	0.00E+00
TEENAGE	MILK ING	3.79E-04	8.07E-03	3.94E-04	3.94E-04	9.62E-04	0.00E+00
TEENAGE	TOTALS	5.83E-02	1.64E-01	2.25E-02	2.22E-02	2.83E-02	7.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.57E-02	2.64E-02	2.85E-03	2.57E-03	4.77E-03	7.29E-01
ADULT	GROUND	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04	6.45E-04
ADULT	CLOUD	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03
ADULT	VEG. ING	3.37E-03	4.16E-02	8.38E-03	8.38E-03	9.23E-03	0.00E+00
ADULT	MEAT ING	1.15E-04	1.43E-03	3.29E-04	3.29E-04	3.13E-04	0.00E+00
ADULT	MILK ING	7.09E-05	1.05E-03	9.77E-05	9.77E-05	2.13E-04	0.00E+00
ADULT	TOTALS	5.47E-02	7.59E-02	1.70E-02	1.67E-02	1.99E-02	7.34E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.47E+00	1.75E+01	6.00E+00	4.26E+00	1.00E+01	0.00E+00
INFANT	GROUND	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02
INFANT	CLOUD	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.64E+00	5.22E+00	1.72E+00	1.72E+00	3.90E+00	0.00E+00
INFANT	TOTALS	6.12E+00	2.28E+01	7.74E+00	5.99E+00	1.40E+01	1.47E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.24E+00	9.24E+00	2.61E+00	1.62E+00	2.72E+00	0.00E+00
CHILD	GROUND	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02
CHILD	CLOUD	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07
CHILD	VEG. ING	2.29E+00	1.15E+01	9.08E+00	9.08E+00	8.09E+00	0.00E+00
CHILD	MEAT ING	6.33E-02	3.16E-01	2.87E-01	2.87E-01	2.32E-01	0.00E+00
CHILD	MILK ING	1.64E-01	1.02E+00	3.88E-01	3.88E-01	5.74E-01	0.00E+00
CHILD	TOTALS	3.78E+00	2.20E+01	1.24E+01	1.14E+01	1.16E+01	1.47E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.35E-01	1.35E+01	1.33E+00	7.31E-01	1.38E+00	0.00E+00
TEENAGE	GROUND	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02

TEENAGE	CLOUD	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07
TEENAGE	VEG. ING	3.68E+00	6.18E+01	8.10E+00	8.10E+00	8.30E+00	0.00E+00
TEENAGE	MEAT ING	9.92E-02	1.64E+00	2.51E-01	2.51E-01	2.31E-01	0.00E+00
TEENAGE	MILK ING	2.15E-01	4.58E+00	2.49E-01	2.49E-01	4.38E-01	0.00E+00
TEENAGE	TOTALS	4.84E+00	8.15E+01	9.95E+00	9.35E+00	1.04E+01	1.47E-02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.81E-01	9.65E+00	1.08E+00	5.59E-01	9.82E-01	0.00E+00
ADULT	GROUND	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02
ADULT	CLOUD	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07
ADULT	VEG. ING	2.06E+00	2.53E+01	5.28E+00	5.28E+00	5.17E+00	0.00E+00
ADULT	MEAT ING	7.18E-02	8.87E-01	2.07E-01	2.07E-01	1.85E-01	0.00E+00
ADULT	MILK ING	4.05E-02	6.10E-01	6.18E-02	6.18E-02	9.84E-02	0.00E+00
ADULT	TOTALS	2.87E+00	3.65E+01	6.64E+00	6.12E+00	6.45E+00	1.47E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.30E+01	1.75E+01	6.00E+00	4.26E+00	1.00E+01	1.42E+02
INFANT	GROUND	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01
INFANT	CLOUD	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.64E+00	5.22E+00	1.72E+00	1.72E+00	3.90E+00	0.00E+00
INFANT	TOTALS	1.51E+01	2.32E+01	8.15E+00	6.41E+00	1.44E+01	1.43E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.79E+00	9.24E+00	2.61E+00	1.62E+00	2.72E+00	1.42E+02
CHILD	GROUND	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01
CHILD	CLOUD	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02
CHILD	VEG. ING	2.29E+00	1.15E+01	9.08E+00	9.08E+00	8.09E+00	0.00E+00
CHILD	MEAT ING	6.33E-02	3.16E-01	2.87E-01	2.87E-01	2.32E-01	0.00E+00
CHILD	MILK ING	1.64E-01	1.02E+00	3.88E-01	3.88E-01	5.74E-01	0.00E+00
CHILD	TOTALS	1.27E+01	2.25E+01	1.28E+01	1.18E+01	1.20E+01	1.43E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

TEENAGE	INHAL.	9.38E+00	1.35E+01	1.33E+00	7.31E-01	1.38E+00	1.42E+02
TEENAGE	GROUND	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01
TEENAGE	CLOUD	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02
TEENAGE	VEG. ING	3.68E+00	6.18E+01	8.10E+00	8.10E+00	8.30E+00	0.00E+00
TEENAGE	MEAT ING	9.92E-02	1.64E+00	2.51E-01	2.51E-01	2.31E-01	0.00E+00
TEENAGE	MILK ING	2.15E-01	4.58E+00	2.49E-01	2.49E-01	4.38E-01	0.00E+00
TEENAGE	TOTALS	1.38E+01	8.19E+01	1.04E+01	9.76E+00	1.08E+01	1.43E+02

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.23E+00	9.65E+00	1.08E+00	5.59E-01	9.82E-01	1.42E+02
ADULT	GROUND	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01	4.06E-01
ADULT	CLOUD	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02	2.31E-02
ADULT	VEG. ING	2.06E+00	2.53E+01	5.28E+00	5.28E+00	5.17E+00	0.00E+00
ADULT	MEAT ING	7.18E-02	8.87E-01	2.07E-01	2.07E-01	1.85E-01	0.00E+00
ADULT	MILK ING	4.05E-02	6.10E-01	6.18E-02	6.18E-02	9.84E-02	0.00E+00
ADULT	TOTALS	1.18E+01	3.69E+01	7.06E+00	6.54E+00	6.86E+00	1.43E+02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.57E-01	3.18E+00	9.39E-01	3.25E-01	2.52E+00	0.00E+00
INFANT	GROUND	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
INFANT	CLOUD	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.50E-01	4.49E-01	7.38E-02	7.38E-02	4.11E-01	0.00E+00
INFANT	TOTALS	1.11E+00	3.63E+00	1.01E+00	4.01E-01	2.93E+00	1.41E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.94E-01	1.21E+00	3.97E-01	1.23E-01	6.54E-01	0.00E+00
CHILD	GROUND	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
CHILD	CLOUD	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08
CHILD	VEG. ING	1.22E-01	5.99E-01	3.84E-01	3.84E-01	4.88E-01	0.00E+00
CHILD	MEAT ING	3.04E-03	1.50E-02	1.21E-02	1.21E-02	1.20E-02	0.00E+00
CHILD	MILK ING	1.19E-02	6.67E-02	1.65E-02	1.65E-02	5.38E-02	0.00E+00
CHILD	TOTALS	3.32E-01	1.89E+00	8.11E-01	5.37E-01	1.21E+00	1.41E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.27E-01	2.24E+00	2.01E-01	5.54E-02	3.28E-01	0.00E+00
TEENAGE	GROUND	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
TEENAGE	CLOUD	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08
TEENAGE	VEG. ING	1.87E-01	3.33E+00	3.43E-01	3.43E-01	5.06E-01	0.00E+00
TEENAGE	MEAT ING	4.65E-03	7.98E-02	1.06E-02	1.06E-02	1.20E-02	0.00E+00
TEENAGE	MILK ING	1.37E-02	2.98E-01	1.06E-02	1.06E-02	4.09E-02	0.00E+00
TEENAGE	TOTALS	3.34E-01	5.95E+00	5.66E-01	4.21E-01	8.88E-01	1.41E-03

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.29E-02	1.26E+00	1.62E-01	4.27E-02	2.34E-01	0.00E+00
ADULT	GROUND	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
ADULT	CLOUD	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08	8.66E-08
ADULT	VEG. ING	1.01E-01	1.27E+00	2.23E-01	2.23E-01	3.04E-01	0.00E+00
ADULT	MEAT ING	3.29E-03	4.12E-02	8.74E-03	8.74E-03	9.39E-03	0.00E+00
ADULT	MILK ING	2.50E-03	3.70E-02	2.63E-03	2.63E-03	8.89E-03	0.00E+00
ADULT	TOTALS	2.01E-01	2.61E+00	3.98E-01	2.79E-01	5.58E-01	1.41E-03

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.48E+00	3.19E+00	9.39E-01	3.36E-01	2.52E+00	2.54E+01
INFANT	GROUND	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02
INFANT	CLOUD	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.50E-01	4.49E-01	7.41E-02	7.41E-02	4.12E-01	0.00E+00
INFANT	TOTALS	2.70E+00	3.70E+00	1.08E+00	4.77E-01	3.00E+00	2.55E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.72E+00	1.21E+00	3.97E-01	1.28E-01	6.55E-01	2.54E+01
CHILD	GROUND	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02
CHILD	CLOUD	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02
CHILD	VEG. ING	1.22E-01	6.01E-01	3.86E-01	3.86E-01	4.89E-01	0.00E+00
CHILD	MEAT ING	3.05E-03	1.51E-02	1.22E-02	1.22E-02	1.20E-02	0.00E+00
CHILD	MILK ING	1.20E-02	6.67E-02	1.66E-02	1.66E-02	5.39E-02	0.00E+00

CHILD	TOTALS	1.92E+00	1.96E+00	8.78E-01	6.09E-01	1.28E+00	2.55E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.65E+00	2.24E+00	2.01E-01	5.74E-02	3.29E-01	2.54E+01
TEENAGE	GROUND	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02
TEENAGE	CLOUD	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02
TEENAGE	VEG. ING	1.88E-01	3.34E+00	3.44E-01	3.44E-01	5.07E-01	0.00E+00
TEENAGE	MEAT ING	4.67E-03	8.01E-02	1.06E-02	1.06E-02	1.21E-02	0.00E+00
TEENAGE	MILK ING	1.37E-02	2.98E-01	1.07E-02	1.07E-02	4.09E-02	0.00E+00
TEENAGE	TOTALS	1.93E+00	6.03E+00	6.33E-01	4.90E-01	9.56E-01	2.55E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.62E+00	1.26E+00	1.62E-01	4.44E-02	2.35E-01	2.54E+01
ADULT	GROUND	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02	1.99E-02
ADULT	CLOUD	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02	4.69E-02
ADULT	VEG. ING	1.02E-01	1.28E+00	2.24E-01	2.24E-01	3.05E-01	0.00E+00
ADULT	MEAT ING	3.30E-03	4.13E-02	8.78E-03	8.78E-03	9.42E-03	0.00E+00
ADULT	MILK ING	2.50E-03	3.70E-02	2.64E-03	2.64E-03	8.90E-03	0.00E+00
ADULT	TOTALS	1.79E+00	2.68E+00	4.64E-01	3.47E-01	6.25E-01	2.55E+01

0Program execution time = 1.32 seconds

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     JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Colorado Cell 2 Co CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: CPTP2ICR.MIL 02/11/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -8.3997E+02 -4.6997E+02 -3.2003E+02 -4.6997E+02 -8.3997E+02 4.9970E+01 -3.2003E+02 4.9970E+01

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -8.3997E+02 YS= -4.6997E+02
NODE NO. = 2 XS= -8.3997E+02 YS= -2.1000E+02
NODE NO. = 3 XS= -8.3997E+02 YS= 4.9970E+01
NODE NO. = 4 XS= -5.8000E+02 YS= -4.6997E+02
NODE NO. = 5 XS= -5.8000E+02 YS= -2.1000E+02
NODE NO. = 6 XS= -5.8000E+02 YS= 4.9970E+01
NODE NO. = 7 XS= -3.2003E+02 YS= -4.6997E+02
NODE NO. = 8 XS= -3.2003E+02 YS= -2.1000E+02
NODE NO. = 9 XS= -3.2003E+02 YS= 4.9970E+01

1REGION: 2008- Colorado Cell 2 Co CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: CPTP2ICR.MIL 02/11/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.58	-0.21	-7.00	0.2703	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.53E+01	5001	3	0.00E+00	Tailings Cell 2 Cov

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	4.20E+01	7.00E+02	7.00E+02	7.00E+02
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.475E+00	1.322E+00	5.269E-01	2.395E-01	2.296E-07	4.926E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.626E-01	7.253E-01	3.791E-01	2.248E-01	3.717E-07	3.507E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.653E-01	4.554E-01	2.846E-01	1.971E-01	4.806E-07	2.647E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.231E-01	3.199E-01	2.229E-01	1.685E-01	5.587E-07	2.088E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.566E-01	1.564E-01	1.281E-01	1.080E-01	6.739E-07	1.213E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.033E-02	6.036E-02	5.633E-02	5.179E-02	7.061E-07	5.409E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.021E-02	3.023E-02	2.960E-02	2.861E-02	6.701E-07	2.879E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.918E-02	1.919E-02	1.908E-02	1.881E-02	6.319E-07	1.866E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.363E-02	1.364E-02	1.364E-02	1.356E-02	5.987E-07	1.338E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.043E-02	1.044E-02	1.046E-02	1.044E-02	5.701E-07	1.027E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.265E-03	8.269E-03	8.298E-03	8.304E-03	5.454E-07	8.156E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.759E-03	6.763E-03	6.791E-03	6.804E-03	5.237E-07	6.678E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.047E+00	1.047E+00	1.047E+00	4.158E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.745E-01	5.745E-01	5.745E-01	6.732E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.607E-01	3.607E-01	3.607E-01	8.703E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.533E-01	2.533E-01	2.533E-01	1.012E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.239E-01	1.239E-01	1.239E-01	1.220E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.781E-02	4.781E-02	4.781E-02	1.279E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.394E-02	2.394E-02	2.394E-02	1.214E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.520E-02	1.520E-02	1.520E-02	1.144E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.080E-02	1.080E-02	1.080E-02	1.084E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.268E-03	8.268E-03	8.268E-03	1.032E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.550E-03	6.550E-03	6.550E-03	9.878E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.357E-03	5.357E-03	5.357E-03	9.485E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.888E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.115E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.442E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.676E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.022E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.118E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.010E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.896E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.796E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.710E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.636E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.571E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.840E-01	7.391E-01	3.592E-01	1.849E-01	2.153E-07	3.272E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.208E-01	4.099E-01	2.470E-01	1.597E-01	3.036E-07	2.270E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.714E-01	2.681E-01	1.836E-01	1.341E-01	3.665E-07	1.707E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.946E-01	1.934E-01	1.435E-01	1.123E-01	4.092E-07	1.346E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.835E-02	9.829E-02	8.276E-02	7.078E-02	4.672E-07	7.848E-07
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.889E-02	3.891E-02	3.655E-02	3.384E-02	4.721E-07	3.516E-07

25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.939E-02	1.940E-02	1.903E-02	1.846E-02	4.426E-07	1.853E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E-02	1.224E-02	1.217E-02	1.202E-02	4.147E-07	1.191E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.643E-03	8.648E-03	8.647E-03	8.602E-03	3.910E-07	8.483E-08
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.576E-03	6.580E-03	6.594E-03	6.583E-03	3.710E-07	6.476E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.183E-03	5.185E-03	5.203E-03	5.207E-03	3.539E-07	5.114E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.218E-03	4.220E-03	4.237E-03	4.246E-03	3.389E-07	4.167E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.854E-01	5.854E-01	5.854E-01	3.899E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.247E-01	3.247E-01	3.247E-01	5.498E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.123E-01	2.123E-01	2.123E-01	6.637E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.532E-01	1.532E-01	1.532E-01	7.411E-02
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.785E-02	7.785E-02	7.785E-02	8.461E-02
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.082E-02	3.082E-02	3.082E-02	8.550E-02
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.537E-02	1.537E-02	1.537E-02	8.016E-02
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.694E-03	9.694E-03	9.694E-03	7.510E-02
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.849E-03	6.849E-03	6.849E-03	7.082E-02
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.212E-03	5.212E-03	5.212E-03	6.719E-02
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.107E-03	4.107E-03	4.107E-03	6.409E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.343E-03	3.343E-03	3.343E-03	6.138E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.460E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.108E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.099E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.228E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.402E-09
15.0	0.000E+00	0.000E+00	0.000E+00	1.416E-09
25.0	0.000E+00	0.000E+00	0.000E+00	1.328E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.244E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.173E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.113E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.062E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.017E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.574E+00	4.072E+00	1.422E+00	5.356E-01	3.815E-07	1.340E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.444E+00	2.334E+00	1.104E+00	5.785E-01	7.719E-07	1.016E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.519E+00	1.495E+00	8.677E-01	5.465E-01	1.109E-06	7.978E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.063E+00	1.057E+00	6.960E-01	4.854E-01	1.361E-06	6.428E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.152E-01	5.152E-01	4.116E-01	3.283E-01	1.747E-06	3.842E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.952E-01	1.953E-01	1.821E-01	1.648E-01	1.890E-06	1.739E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.485E-02	9.490E-02	9.343E-02	9.051E-02	1.807E-06	9.091E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.900E-02	5.903E-02	5.892E-02	5.836E-02	1.701E-06	5.772E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.129E-02	4.131E-02	4.141E-02	4.134E-02	1.605E-06	4.067E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.122E-02	3.124E-02	3.136E-02	3.139E-02	1.522E-06	3.082E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.447E-02	2.448E-02	2.459E-02	2.465E-02	1.449E-06	2.419E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.983E-02	1.984E-02	1.993E-02	1.999E-02	1.386E-06	1.961E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.225E+00	3.225E+00	3.225E+00	6.909E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.848E+00	1.848E+00	1.848E+00	1.398E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.184E+00	1.184E+00	1.184E+00	2.008E-01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.372E-01	8.372E-01	8.372E-01	2.464E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.080E-01	4.080E-01	4.080E-01	3.164E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.547E-01	1.547E-01	1.547E-01	3.423E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.517E-02	7.517E-02	7.517E-02	3.273E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.675E-02	4.675E-02	4.675E-02	3.081E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.272E-02	3.272E-02	3.272E-02	2.907E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.474E-02	2.474E-02	2.474E-02	2.756E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.939E-02	1.939E-02	1.939E-02	2.625E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.571E-02	1.571E-02	1.571E-02	2.509E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.145E-09
2.5	0.000E+00	0.000E+00	0.000E+00	2.316E-09
3.5	0.000E+00	0.000E+00	0.000E+00	3.327E-09

4.5	0.000E+00	0.000E+00	0.000E+00	4.082E-09
7.5	0.000E+00	0.000E+00	0.000E+00	5.242E-09
15.0	0.000E+00	0.000E+00	0.000E+00	5.671E-09
25.0	0.000E+00	0.000E+00	0.000E+00	5.421E-09
35.0	0.000E+00	0.000E+00	0.000E+00	5.104E-09
45.0	0.000E+00	0.000E+00	0.000E+00	4.816E-09
55.0	0.000E+00	0.000E+00	0.000E+00	4.565E-09
65.0	0.000E+00	0.000E+00	0.000E+00	4.348E-09
75.0	0.000E+00	0.000E+00	0.000E+00	4.157E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.004E+01	8.722E+00	2.534E+00	7.988E-01	4.558E-07	2.481E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.301E+00	4.118E+00	1.803E+00	8.676E-01	1.001E-06	1.662E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.460E+00	2.424E+00	1.334E+00	7.918E-01	1.443E-06	1.221E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.635E+00	1.626E+00	1.034E+00	6.902E-01	1.766E-06	9.494E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.381E-01	7.381E-01	5.826E-01	4.540E-01	2.244E-06	5.408E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.660E-01	2.661E-01	2.476E-01	2.227E-01	2.384E-06	2.360E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.255E-01	1.255E-01	1.237E-01	1.199E-01	2.256E-06	1.203E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.697E-02	7.701E-02	7.691E-02	7.625E-02	2.111E-06	7.537E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.342E-02	5.345E-02	5.359E-02	5.353E-02	1.982E-06	5.264E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.015E-02	4.018E-02	4.033E-02	4.039E-02	1.871E-06	3.965E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.133E-02	3.135E-02	3.149E-02	3.157E-02	1.777E-06	3.097E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.530E-02	2.532E-02	2.544E-02	2.552E-02	1.694E-06	2.502E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.908E+00	6.908E+00	6.908E+00	8.255E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.262E+00	3.262E+00	3.262E+00	1.812E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.920E+00	1.920E+00	1.920E+00	2.614E-01

4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.288E+00	1.288E+00	1.288E+00	3.199E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.846E-01	5.846E-01	5.846E-01	4.064E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.108E-01	2.108E-01	2.108E-01	4.317E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.942E-02	9.942E-02	9.942E-02	4.086E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.100E-02	6.100E-02	6.100E-02	3.822E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.233E-02	4.233E-02	4.233E-02	3.589E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.182E-02	3.182E-02	3.182E-02	3.389E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.483E-02	2.483E-02	2.483E-02	3.218E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.005E-02	2.005E-02	2.005E-02	3.069E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.367E-09
2.5	0.000E+00	0.000E+00	0.000E+00	3.002E-09
3.5	0.000E+00	0.000E+00	0.000E+00	4.330E-09
4.5	0.000E+00	0.000E+00	0.000E+00	5.299E-09
7.5	0.000E+00	0.000E+00	0.000E+00	6.732E-09
15.0	0.000E+00	0.000E+00	0.000E+00	7.151E-09
25.0	0.000E+00	0.000E+00	0.000E+00	6.769E-09
35.0	0.000E+00	0.000E+00	0.000E+00	6.332E-09
45.0	0.000E+00	0.000E+00	0.000E+00	5.946E-09
55.0	0.000E+00	0.000E+00	0.000E+00	5.614E-09
65.0	0.000E+00	0.000E+00	0.000E+00	5.331E-09
75.0	0.000E+00	0.000E+00	0.000E+00	5.083E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.658E+00	3.408E+00	1.102E+00	3.140E-01	1.447E-07	1.027E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.861E-01	9.723E-01	5.754E-01	3.042E-01	3.278E-07	5.054E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.195E-01	5.171E-01	3.795E-01	2.610E-01	4.821E-07	3.430E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.301E-01	3.297E-01	2.726E-01	2.166E-01	5.923E-07	2.530E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.438E-01	1.439E-01	1.345E-01	1.245E-01	7.484E-07	1.295E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.228E-02	5.231E-02	5.155E-02	5.034E-02	7.734E-07	5.030E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.501E-02	2.503E-02	2.504E-02	2.492E-02	7.168E-07	2.457E-07

35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.552E-02	1.553E-02	1.558E-02	1.560E-02	6.651E-07	1.532E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.085E-02	1.086E-02	1.091E-02	1.094E-02	6.233E-07	1.073E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.195E-03	8.199E-03	8.238E-03	8.264E-03	5.888E-07	8.104E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.417E-03	6.420E-03	6.451E-03	6.473E-03	5.597E-07	6.347E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.192E-03	5.195E-03	5.220E-03	5.238E-03	5.346E-07	5.135E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.699E+00	2.699E+00	2.699E+00	2.621E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.701E-01	7.701E-01	7.701E-01	5.937E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.096E-01	4.096E-01	4.096E-01	8.731E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.611E-01	2.611E-01	2.611E-01	1.073E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.140E-01	1.140E-01	1.140E-01	1.355E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.143E-02	4.143E-02	4.143E-02	1.401E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.982E-02	1.982E-02	1.982E-02	1.298E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.230E-02	1.230E-02	1.230E-02	1.205E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.602E-03	8.602E-03	8.602E-03	1.129E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.494E-03	6.494E-03	6.494E-03	1.066E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.085E-03	5.085E-03	5.085E-03	1.014E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.114E-03	4.114E-03	4.114E-03	9.681E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	4.342E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.834E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.446E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.777E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.245E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.320E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.150E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.995E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.870E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.766E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.679E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.604E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.185E-04	0.000E+00	0.000E+00	6.937E-05	0.000E+00	0.000E+00	0.000E+00	1.525E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.820E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.207E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.723E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.208E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.454E-05	5.407E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.317E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.522E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.945E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.935E-05	0.000E+00	1.020E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.409E-07	0.000E+00	0.000E+00	5.686E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.263E-04 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.616E-04	0.000E+00	0.000E+00	5.623E-04	0.000E+00	0.000E+00	0.000E+00	1.234E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.095E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.787E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.012E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.600E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.989E-04	4.381E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.692E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.231E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.010E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.377E-04	0.000E+00	8.253E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.572E-06	0.000E+00	0.000E+00	4.600E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.455E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.373E-05 0.000E+00 0.000E+00 8.592E-06 0.000E+00 0.000E+00 0.000E+00
2.069E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.854E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.879E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.083E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.978E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.037E-06 6.851E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.837E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.058E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.955E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.822E-06 0.000E+00
1.394E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.624E-08 0.000E+00 0.000E+00
7.818E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.264E-05 PERSON-REM/YR
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.208E-01 0.000E+00 0.000E+00 4.149E-02 0.000E+00 0.000E+00 0.000E+00
3.887E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.557E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.690E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.909E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.640E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.391E-02 2.280E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.674E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.718E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.705E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.122E-03 0.000E+00
1.962E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.331E-04 0.000E+00 0.000E+00
9.572E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 8.246E-01 PERSON-REM/YR
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                          DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.938E-05 0.000E+00 0.000E+00 5.022E-06 0.000E+00 0.000E+00 0.000E+00
5.110E-08
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.941E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.603E-07 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.068E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.007E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.690E-06 2.834E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.911E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.917E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.560E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.056E-06 0.000E+00
2.695E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.712E-08 0.000E+00 0.000E+00
1.348E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.521E-05 PERSON-REM/YR
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.933E-03 0.000E+00 0.000E+00 3.488E-04 0.000E+00 0.000E+00 0.000E+00
3.417E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.346E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.853E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
6.972E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.418E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.194E-04 1.987E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.646E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.283E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.954E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.166E-05 0.000E+00
1.733E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.173E-06 0.000E+00 0.000E+00
8.456E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.059E-03 PERSON-REM/YR
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.061E-07 2.863E-07 5.180E-07 7.745E-07 7.787E-06 3.262E-05 5.162E-05 6.811E-05 8.298E-05 9.659E-05 1.092E-04
1.210E-04
     NNE     1.030E-07 2.546E-07 4.410E-07 6.428E-07 6.251E-06 2.574E-05 4.072E-05 5.384E-05 6.573E-05 7.663E-05 8.678E-05
9.623E-05
     NE      1.011E-07 2.405E-07 4.088E-07 5.895E-07 5.645E-06 2.293E-05 3.595E-05 4.726E-05 5.746E-05 6.678E-05 7.543E-05
8.347E-05
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     ENE     9.882E-08 2.310E-07 3.896E-07 5.593E-07 5.324E-06 2.153E-05 3.363E-05 4.408E-05 5.346E-05 6.203E-05 6.995E-05
7.730E-05
     E       9.949E-08 2.339E-07 3.950E-07 5.672E-07 5.398E-06 2.181E-05 3.410E-05 4.469E-05 5.420E-05 6.286E-05 7.087E-05
7.830E-05
     ESE     1.087E-07 2.724E-07 4.745E-07 6.937E-07 6.753E-06 2.755E-05 4.300E-05 5.619E-05 6.796E-05 7.863E-05 8.845E-05
9.754E-05
     SE      1.319E-07 3.754E-07 6.949E-07 1.052E-06 1.075E-05 4.548E-05 7.195E-05 9.460E-05 1.148E-04 1.331E-04 1.499E-04
1.655E-04
     SSE     1.649E-07 4.798E-07 8.877E-07 1.345E-06 1.374E-05 5.798E-05 9.170E-05 1.206E-04 1.464E-04 1.698E-04 1.913E-04
2.112E-04
     S       1.763E-07 5.946E-07 1.195E-06 1.886E-06 2.019E-05 8.734E-05 1.392E-04 1.834E-04 2.225E-04 2.578E-04 2.902E-04
3.201E-04
     SSW     2.106E-07 7.709E-07 1.556E-06 2.449E-06 2.593E-05 1.101E-04 1.738E-04 2.275E-04 2.747E-04 3.171E-04 3.559E-04
3.914E-04
     SW      2.006E-07 7.275E-07 1.453E-06 2.261E-06 2.333E-05 9.516E-05 1.463E-04 1.892E-04 2.272E-04 2.614E-04 2.928E-04
3.218E-04
     WSW     9.982E-08 3.598E-07 7.225E-07 1.125E-06 1.160E-05 4.716E-05 7.245E-05 9.383E-05 1.129E-04 1.302E-04 1.462E-04
1.610E-04
     W       6.687E-08 2.525E-07 5.196E-07 8.209E-07 8.647E-06 3.574E-05 5.522E-05 7.169E-05 8.640E-05 9.976E-05 1.121E-04
1.235E-04
     WNW     7.737E-08 2.587E-07 5.140E-07 8.021E-07 8.354E-06 3.447E-05 5.333E-05 6.930E-05 8.357E-05 9.653E-05 1.085E-04
1.196E-04
     NW      9.508E-08 2.785E-07 5.218E-07 7.937E-07 8.072E-06 3.334E-05 5.202E-05 6.806E-05 8.247E-05 9.563E-05 1.078E-04
1.191E-04
     NNW     1.099E-07 3.035E-07 5.468E-07 8.154E-07 8.121E-06 3.339E-05 5.218E-05 6.841E-05 8.303E-05 9.639E-05 1.088E-04
1.203E-04

                TOTAL DOSE COMMITMENT IS 1.248E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Cell 2 Co    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: CPTP2ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       1.158E-06 3.125E-06 5.654E-06 8.453E-06 8.499E-05 3.561E-04 5.634E-04 7.434E-04 9.057E-04 1.054E-03 1.192E-03
1.321E-03
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NNE	1.124E-06	2.779E-06	4.813E-06	7.016E-06	6.823E-05	2.809E-04	4.444E-04	5.876E-04	7.174E-04	8.364E-04	9.471E-04	1.050E-03
NE	1.103E-06	2.624E-06	4.462E-06	6.434E-06	6.161E-05	2.503E-04	3.924E-04	5.158E-04	6.271E-04	7.289E-04	8.233E-04	9.110E-04
ENE	1.079E-06	2.521E-06	4.252E-06	6.104E-06	5.812E-05	2.350E-04	3.671E-04	4.811E-04	5.836E-04	6.770E-04	7.635E-04	8.437E-04
E	1.086E-06	2.553E-06	4.311E-06	6.191E-06	5.892E-05	2.381E-04	3.722E-04	4.878E-04	5.916E-04	6.861E-04	7.735E-04	8.546E-04
ESE	1.187E-06	2.973E-06	5.179E-06	7.571E-06	7.371E-05	3.007E-04	4.693E-04	6.133E-04	7.417E-04	8.582E-04	9.654E-04	1.065E-03
SE	1.440E-06	4.098E-06	7.585E-06	1.148E-05	1.173E-04	4.964E-04	7.853E-04	1.033E-03	1.253E-03	1.453E-03	1.636E-03	1.806E-03
SSE	1.800E-06	5.237E-06	9.689E-06	1.468E-05	1.499E-04	6.328E-04	1.001E-03	1.317E-03	1.598E-03	1.853E-03	2.088E-03	2.305E-03
S	1.924E-06	6.490E-06	1.305E-05	2.058E-05	2.204E-04	9.533E-04	1.519E-03	2.001E-03	2.429E-03	2.814E-03	3.168E-03	3.494E-03
SSW	2.299E-06	8.414E-06	1.698E-05	2.672E-05	2.830E-04	1.202E-03	1.897E-03	2.483E-03	2.999E-03	3.461E-03	3.884E-03	4.273E-03
SW	2.189E-06	7.941E-06	1.586E-05	2.468E-05	2.547E-04	1.039E-03	1.597E-03	2.065E-03	2.480E-03	2.853E-03	3.196E-03	3.512E-03
WSW	1.090E-06	3.928E-06	7.886E-06	1.228E-05	1.266E-04	5.147E-04	7.907E-04	1.024E-03	1.232E-03	1.421E-03	1.596E-03	1.757E-03
W	7.298E-07	2.756E-06	5.671E-06	8.960E-06	9.438E-05	3.900E-04	6.027E-04	7.825E-04	9.430E-04	1.089E-03	1.223E-03	1.348E-03
WNW	8.444E-07	2.824E-06	5.611E-06	8.755E-06	9.119E-05	3.763E-04	5.820E-04	7.564E-04	9.121E-04	1.054E-03	1.184E-03	1.305E-03
NW	1.038E-06	3.040E-06	5.696E-06	8.663E-06	8.810E-05	3.639E-04	5.678E-04	7.428E-04	9.001E-04	1.044E-03	1.177E-03	1.300E-03
NNW	1.200E-06	3.312E-06	5.968E-06	8.900E-06	8.863E-05	3.645E-04	5.696E-04	7.467E-04	9.062E-04	1.052E-03	1.188E-03	1.313E-03

TOTAL DOSE COMMITMENT IS 1.362E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

N	5.832E-09	1.574E-08	2.848E-08	4.258E-08	4.281E-07	1.794E-06	2.838E-06	3.745E-06	4.562E-06	5.311E-06	6.006E-06	6.652E-06
NNE	5.663E-09	1.400E-08	2.424E-08	3.534E-08	3.437E-07	1.415E-06	2.239E-06	2.960E-06	3.614E-06	4.213E-06	4.771E-06	5.291E-06
NE	5.557E-09	1.322E-08	2.248E-08	3.241E-08	3.104E-07	1.261E-06	1.977E-06	2.598E-06	3.159E-06	3.672E-06	4.147E-06	4.589E-06
ENE	5.433E-09	1.270E-08	2.142E-08	3.075E-08	2.927E-07	1.184E-06	1.849E-06	2.423E-06	2.939E-06	3.410E-06	3.846E-06	4.250E-06
E	5.470E-09	1.286E-08	2.172E-08	3.119E-08	2.968E-07	1.199E-06	1.875E-06	2.457E-06	2.980E-06	3.456E-06	3.896E-06	4.305E-06
ESE	5.979E-09	1.498E-08	2.609E-08	3.814E-08	3.713E-07	1.515E-06	2.364E-06	3.089E-06	3.736E-06	4.323E-06	4.863E-06	5.362E-06
SE	7.254E-09	2.064E-08	3.821E-08	5.784E-08	5.911E-07	2.501E-06	3.956E-06	5.201E-06	6.311E-06	7.317E-06	8.242E-06	9.097E-06
SSE	9.069E-09	2.638E-08	4.880E-08	7.393E-08	7.553E-07	3.188E-06	5.042E-06	6.632E-06	8.050E-06	9.335E-06	1.052E-05	1.161E-05
S	9.692E-09	3.269E-08	6.571E-08	1.037E-07	1.110E-06	4.802E-06	7.654E-06	1.008E-05	1.223E-05	1.418E-05	1.596E-05	1.760E-05
SSW	1.158E-08	4.238E-08	8.552E-08	1.346E-07	1.425E-06	6.055E-06	9.555E-06	1.251E-05	1.510E-05	1.743E-05	1.956E-05	2.152E-05
SW	1.103E-08	4.000E-08	7.989E-08	1.243E-07	1.283E-06	5.232E-06	8.045E-06	1.040E-05	1.249E-05	1.437E-05	1.610E-05	1.769E-05
WSW	5.488E-09	1.978E-08	3.972E-08	6.184E-08	6.378E-07	2.593E-06	3.983E-06	5.159E-06	6.207E-06	7.160E-06	8.038E-06	8.851E-06
W	3.676E-09	1.388E-08	2.857E-08	4.513E-08	4.754E-07	1.965E-06	3.036E-06	3.942E-06	4.750E-06	5.485E-06	6.162E-06	6.790E-06
WNW	4.254E-09	1.422E-08	2.826E-08	4.410E-08	4.593E-07	1.895E-06	2.932E-06	3.810E-06	4.595E-06	5.307E-06	5.965E-06	6.574E-06
NW	5.227E-09	1.531E-08	2.869E-08	4.364E-08	4.438E-07	1.833E-06	2.860E-06	3.742E-06	4.534E-06	5.258E-06	5.928E-06	6.551E-06
NNW	6.043E-09	1.668E-08	3.006E-08	4.483E-08	4.465E-07	1.836E-06	2.869E-06	3.761E-06	4.565E-06	5.300E-06	5.982E-06	6.616E-06

TOTAL DOSE COMMITMENT IS 6.862E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	6.599E-08	1.781E-07	3.222E-07	4.818E-07	4.844E-06	2.029E-05	3.211E-05	4.237E-05	5.162E-05	6.009E-05	6.795E-05	7.526E-05
NNE	6.407E-08	1.584E-07	2.743E-07	3.998E-07	3.888E-06	1.601E-05	2.533E-05	3.349E-05	4.088E-05	4.767E-05	5.398E-05	5.986E-05
NE	6.288E-08	1.496E-07	2.543E-07	3.667E-07	3.511E-06	1.426E-05	2.236E-05	2.940E-05	3.574E-05	4.154E-05	4.692E-05	5.192E-05
ENE	6.147E-08	1.437E-07	2.423E-07	3.479E-07	3.312E-06	1.339E-05	2.092E-05	2.742E-05	3.326E-05	3.858E-05	4.351E-05	4.809E-05
E	6.188E-08	1.455E-07	2.457E-07	3.528E-07	3.358E-06	1.357E-05	2.121E-05	2.780E-05	3.372E-05	3.910E-05	4.408E-05	4.870E-05
ESE	6.764E-08	1.695E-07	2.952E-07	4.315E-07	4.201E-06	1.714E-05	2.675E-05	3.495E-05	4.227E-05	4.891E-05	5.502E-05	6.067E-05
SE	8.207E-08	2.335E-07	4.323E-07	6.544E-07	6.688E-06	2.829E-05	4.476E-05	5.884E-05	7.140E-05	8.278E-05	9.325E-05	1.029E-04
SSE	1.026E-07	2.985E-07	5.522E-07	8.365E-07	8.545E-06	3.607E-05	5.704E-05	7.503E-05	9.108E-05	1.056E-04	1.190E-04	1.314E-04
S	1.097E-07	3.699E-07	7.435E-07	1.173E-06	1.256E-05	5.433E-05	8.659E-05	1.141E-04	1.384E-04	1.604E-04	1.805E-04	1.991E-04
SSW	1.310E-07	4.795E-07	9.676E-07	1.523E-06	1.613E-05	6.851E-05	1.081E-04	1.415E-04	1.709E-04	1.973E-04	2.214E-04	2.435E-04
SW	1.248E-07	4.526E-07	9.039E-07	1.406E-06	1.451E-05	5.919E-05	9.102E-05	1.177E-04	1.413E-04	1.626E-04	1.822E-04	2.002E-04
WSW	6.209E-08	2.238E-07	4.494E-07	6.997E-07	7.216E-06	2.934E-05	4.507E-05	5.836E-05	7.023E-05	8.101E-05	9.095E-05	1.001E-04
W	4.159E-08	1.571E-07	3.232E-07	5.107E-07	5.379E-06	2.223E-05	3.435E-05	4.460E-05	5.374E-05	6.206E-05	6.972E-05	7.682E-05
WNW	4.813E-08	1.609E-07	3.198E-07	4.990E-07	5.197E-06	2.144E-05	3.317E-05	4.311E-05	5.198E-05	6.005E-05	6.749E-05	7.437E-05
NW	5.914E-08	1.733E-07	3.246E-07	4.937E-07	5.021E-06	2.074E-05	3.236E-05	4.233E-05	5.130E-05	5.949E-05	6.707E-05	7.411E-05
NNW	6.837E-08	1.888E-07	3.401E-07	5.072E-07	5.051E-06	2.077E-05	3.246E-05	4.255E-05	5.165E-05	5.996E-05	6.768E-05	7.486E-05

TOTAL DOSE COMMITMENT IS 7.764E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.249E-09	8.769E-09	1.586E-08	2.372E-08	2.385E-07	9.990E-07	1.581E-06	2.086E-06	2.541E-06	2.958E-06	3.345E-06	3.705E-06
NNE	3.154E-09	7.798E-09	1.350E-08	1.968E-08	1.914E-07	7.882E-07	1.247E-06	1.649E-06	2.013E-06	2.347E-06	2.657E-06	2.947E-06
NE	3.095E-09	7.363E-09	1.252E-08	1.805E-08	1.729E-07	7.022E-07	1.101E-06	1.447E-06	1.760E-06	2.045E-06	2.310E-06	2.556E-06
ENE	3.026E-09	7.074E-09	1.193E-08	1.713E-08	1.631E-07	6.594E-07	1.030E-06	1.350E-06	1.637E-06	1.899E-06	2.142E-06	2.367E-06
E	3.047E-09	7.162E-09	1.210E-08	1.737E-08	1.653E-07	6.680E-07	1.044E-06	1.369E-06	1.660E-06	1.925E-06	2.170E-06	2.398E-06
ESE	3.330E-09	8.342E-09	1.453E-08	2.124E-08	2.068E-07	8.438E-07	1.317E-06	1.721E-06	2.081E-06	2.408E-06	2.709E-06	2.987E-06
SE	4.040E-09	1.150E-08	2.128E-08	3.221E-08	3.292E-07	1.393E-06	2.203E-06	2.897E-06	3.515E-06	4.075E-06	4.591E-06	5.067E-06
SSE	5.051E-09	1.469E-08	2.718E-08	4.118E-08	4.207E-07	1.776E-06	2.808E-06	3.694E-06	4.484E-06	5.199E-06	5.858E-06	6.467E-06
S	5.398E-09	1.821E-08	3.660E-08	5.775E-08	6.182E-07	2.675E-06	4.263E-06	5.616E-06	6.815E-06	7.896E-06	8.888E-06	9.803E-06
SSW	6.450E-09	2.361E-08	4.764E-08	7.498E-08	7.940E-07	3.373E-06	5.322E-06	6.966E-06	8.413E-06	9.711E-06	1.090E-05	1.199E-05
SW	6.142E-09	2.228E-08	4.450E-08	6.924E-08	7.145E-07	2.914E-06	4.481E-06	5.795E-06	6.957E-06	8.006E-06	8.968E-06	9.855E-06
WSW	3.057E-09	1.102E-08	2.213E-08	3.445E-08	3.553E-07	1.444E-06	2.219E-06	2.873E-06	3.457E-06	3.988E-06	4.477E-06	4.930E-06
W	2.048E-09	7.733E-09	1.591E-08	2.514E-08	2.648E-07	1.094E-06	1.691E-06	2.195E-06	2.646E-06	3.055E-06	3.432E-06	3.782E-06
WNW	2.369E-09	7.922E-09	1.574E-08	2.456E-08	2.558E-07	1.056E-06	1.633E-06	2.122E-06	2.559E-06	2.956E-06	3.322E-06	3.661E-06
NW	2.912E-09	8.530E-09	1.598E-08	2.431E-08	2.472E-07	1.021E-06	1.593E-06	2.084E-06	2.526E-06	2.928E-06	3.302E-06	3.649E-06
NNW	3.366E-09	9.293E-09	1.674E-08	2.497E-08	2.487E-07	1.023E-06	1.598E-06	2.095E-06	2.543E-06	2.952E-06	3.332E-06	3.685E-06

TOTAL DOSE COMMITMENT IS 3.822E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: CPTP2ICR.MIL 02/11/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.068E-08	8.282E-08	1.498E-07	2.240E-07	2.252E-06	9.435E-06	1.493E-05	1.970E-05	2.400E-05	2.794E-05	3.159E-05	3.499E-05
NNE	2.979E-08	7.365E-08	1.275E-07	1.859E-07	1.808E-06	7.444E-06	1.178E-05	1.557E-05	1.901E-05	2.216E-05	2.510E-05	2.783E-05
NE	2.923E-08	6.955E-08	1.182E-07	1.705E-07	1.633E-06	6.632E-06	1.040E-05	1.367E-05	1.662E-05	1.931E-05	2.182E-05	2.414E-05
ENE	2.858E-08	6.681E-08	1.127E-07	1.618E-07	1.540E-06	6.228E-06	9.727E-06	1.275E-05	1.546E-05	1.794E-05	2.023E-05	2.236E-05
E	2.877E-08	6.764E-08	1.142E-07	1.641E-07	1.561E-06	6.309E-06	9.862E-06	1.293E-05	1.568E-05	1.818E-05	2.050E-05	2.265E-05
ESE	3.145E-08	7.879E-08	1.372E-07	2.006E-07	1.953E-06	7.969E-06	1.244E-05	1.625E-05	1.965E-05	2.274E-05	2.558E-05	2.821E-05
SE	3.816E-08	1.086E-07	2.010E-07	3.043E-07	3.109E-06	1.316E-05	2.081E-05	2.736E-05	3.320E-05	3.849E-05	4.336E-05	4.786E-05
SSE	4.771E-08	1.388E-07	2.567E-07	3.889E-07	3.973E-06	1.677E-05	2.652E-05	3.489E-05	4.235E-05	4.911E-05	5.533E-05	6.108E-05
S	5.098E-08	1.720E-07	3.457E-07	5.454E-07	5.839E-06	2.526E-05	4.026E-05	5.304E-05	6.436E-05	7.457E-05	8.395E-05	9.258E-05
SSW	6.091E-08	2.230E-07	4.499E-07	7.082E-07	7.499E-06	3.185E-05	5.027E-05	6.579E-05	7.946E-05	9.172E-05	1.029E-04	1.132E-04
SW	5.801E-08	2.104E-07	4.203E-07	6.539E-07	6.748E-06	2.752E-05	4.232E-05	5.473E-05	6.571E-05	7.561E-05	8.470E-05	9.307E-05
WSW	2.887E-08	1.041E-07	2.090E-07	3.253E-07	3.355E-06	1.364E-05	2.095E-05	2.714E-05	3.265E-05	3.767E-05	4.229E-05	4.656E-05
W	1.934E-08	7.304E-08	1.503E-07	2.374E-07	2.501E-06	1.034E-05	1.597E-05	2.074E-05	2.499E-05	2.885E-05	3.242E-05	3.572E-05
WNW	2.238E-08	7.482E-08	1.487E-07	2.320E-07	2.416E-06	9.971E-06	1.542E-05	2.004E-05	2.417E-05	2.792E-05	3.138E-05	3.458E-05
NW	2.750E-08	8.056E-08	1.509E-07	2.296E-07	2.335E-06	9.644E-06	1.504E-05	1.968E-05	2.385E-05	2.766E-05	3.118E-05	3.446E-05
NNW	3.179E-08	8.777E-08	1.581E-07	2.358E-07	2.349E-06	9.658E-06	1.509E-05	1.979E-05	2.401E-05	2.788E-05	3.147E-05	3.481E-05

TOTAL DOSE COMMITMENT IS 3.610E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.263E-04	3.455E-03	5.264E-05	2.592E-03	1.245E-03	8.246E-01
GROUND	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05
CLOUD	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03
VEG. ING	4.181E-03	4.564E-02	4.181E-03	1.592E-02	1.259E-02	4.181E-03
MEAT ING	4.000E-05	4.526E-04	4.000E-05	1.462E-04	1.169E-04	4.000E-05
MILK ING	1.988E-05	1.878E-04	1.988E-05	7.665E-05	6.134E-05	1.988E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	9.822E-03	5.489E-02	9.448E-03	2.388E-02	1.917E-02	8.340E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.300E-03	9.059E-02	8.300E-03	3.159E-02	2.500E-02	8.300E-03
MEAT ING	6.462E-04	7.311E-03	6.462E-04	2.362E-03	1.889E-03	6.462E-04
MILK ING	3.623E-04	3.422E-03	3.623E-04	1.397E-03	1.118E-03	3.623E-04
RNPLUS50	8.255E-01	1.107E+01	1.812E-01	8.255E-01	8.255E-01	5.235E+00
TOTALS	8.349E-01	1.118E+01	1.905E-01	8.609E-01	8.536E-01	5.244E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.263E-04	3.455E-03	5.264E-05	2.592E-03	1.245E-03	8.246E-01
GROUND	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05	9.521E-05
CLOUD	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03	5.059E-03
VEG. ING	1.248E-02	1.362E-01	1.248E-02	4.751E-02	3.759E-02	1.248E-02
MEAT ING	6.862E-04	7.764E-03	6.862E-04	2.508E-03	2.006E-03	6.862E-04

MILK ING	3.822E-04	3.610E-03	3.822E-04	1.474E-03	1.179E-03	3.822E-04
RNPLUS50	8.255E-01	1.107E+01	1.812E-01	8.255E-01	8.255E-01	5.235E+00
TOTALS	8.447E-01	1.123E+01	2.000E-01	8.848E-01	8.727E-01	6.078E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	2.668E-01	2.667E-01	2.203E-01	1.833E-01	1.224E-06	8.804E-09	1.667E-12	2.075E-06	2.113E-01	2.113E-01	2.113E-01	2.217E-01
2	7.717E-01	7.192E-01	3.451E-01	1.910E-01	2.773E-07	4.829E-10	2.431E-14	3.203E-06	5.697E-01	5.697E-01	5.697E-01	5.022E-02
3	2.629E-01	2.600E-01	1.758E-01	1.324E-01	4.967E-07	2.019E-09	2.214E-13	1.653E-06	2.059E-01	2.059E-01	2.059E-01	8.995E-02
4	5.742E-01	5.495E-01	2.950E-01	1.846E-01	3.548E-07	7.816E-10	4.848E-14	2.750E-06	4.352E-01	4.352E-01	4.352E-01	6.425E-02
5	9.895E-02	9.892E-02	8.341E-02	7.120E-02	6.160E-07	5.767E-09	1.446E-12	7.903E-07	7.835E-02	7.835E-02	7.835E-02	1.115E-01
6	3.930E+00	3.067E+00	7.801E-01	2.181E-01	1.045E-07	6.333E-11	1.146E-15	7.927E-06	2.429E+00	2.429E+00	2.429E+00	1.892E-02
7	2.870E+00	2.642E+00	1.085E+00	4.816E-01	4.381E-07	4.771E-10	1.500E-14	1.002E-05	2.092E+00	2.092E+00	2.092E+00	7.934E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.02E-02	6.60E-04	6.22E-05	3.43E-03	1.33E-03	3.34E-01
INFANT	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
INFANT	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.82E-05	5.58E-05	1.03E-04	1.03E-04	9.13E-05	0.00E+00
INFANT	TOTALS	2.23E-02	2.81E-03	2.26E-03	5.63E-03	3.52E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.01E-02	5.00E-04	2.90E-05	1.52E-03	6.27E-04	3.34E-01
CHILD	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
CHILD	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
CHILD	VEG. ING	1.11E-04	5.04E-04	5.94E-04	5.94E-04	4.36E-04	0.00E+00
CHILD	MEAT ING	3.56E-06	1.61E-05	1.90E-05	1.90E-05	1.40E-05	0.00E+00
CHILD	MILK ING	4.53E-06	2.05E-05	2.42E-05	2.42E-05	1.78E-05	0.00E+00

CHILD	TOTALS	2.23E-02	3.14E-03	2.76E-03	4.26E-03	3.19E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.01E-02	1.23E-03	1.24E-05	6.53E-04	3.13E-04	3.34E-01
TEENAGE	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
TEENAGE	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
TEENAGE	VEG. ING	1.66E-04	2.45E-03	5.29E-04	5.29E-04	4.38E-04	0.00E+00
TEENAGE	MEAT ING	5.22E-06	7.68E-05	1.66E-05	1.66E-05	1.37E-05	0.00E+00
TEENAGE	MILK ING	4.84E-06	7.12E-05	1.54E-05	1.54E-05	1.27E-05	0.00E+00
TEENAGE	TOTALS	2.24E-02	5.92E-03	2.67E-03	3.31E-03	2.87E-03	3.36E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.01E-02	7.25E-04	1.04E-05	5.44E-04	2.61E-04	3.34E-01
ADULT	GROUND	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05	3.82E-05
ADULT	CLOUD	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03
ADULT	VEG. ING	1.01E-04	1.16E-03	3.46E-04	3.46E-04	2.82E-04	0.00E+00
ADULT	MEAT ING	4.00E-06	4.62E-05	1.37E-05	1.37E-05	1.12E-05	0.00E+00
ADULT	MILK ING	1.12E-06	1.30E-05	3.85E-06	3.85E-06	3.14E-06	0.00E+00
ADULT	TOTALS	2.23E-02	4.04E-03	2.47E-03	3.00E-03	2.65E-03	3.36E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.79E-02	1.50E-04	1.39E-05	7.76E-04	3.02E-04	9.65E-01
INFANT	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
INFANT	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.38E-06	1.26E-05	2.34E-05	2.34E-05	2.07E-05	0.00E+00
INFANT	TOTALS	6.03E-02	2.57E-03	2.44E-03	3.21E-03	2.73E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.79E-02	1.13E-04	6.49E-06	3.45E-04	1.42E-04	9.65E-01
CHILD	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04

CHILD	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
CHILD	VEG. ING	2.52E-05	1.14E-04	1.35E-04	1.35E-04	9.88E-05	0.00E+00
CHILD	MEAT ING	8.06E-07	3.65E-06	4.30E-06	4.30E-06	3.16E-06	0.00E+00
CHILD	MILK ING	1.03E-06	4.65E-06	5.48E-06	5.48E-06	4.03E-06	0.00E+00
CHILD	TOTALS	6.03E-02	2.64E-03	2.56E-03	2.90E-03	2.66E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.79E-02	2.79E-04	2.78E-06	1.48E-04	7.10E-05	9.65E-01
TEENAGE	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
TEENAGE	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
TEENAGE	VEG. ING	3.77E-05	5.54E-04	1.20E-04	1.20E-04	9.92E-05	0.00E+00
TEENAGE	MEAT ING	1.18E-06	1.74E-05	3.76E-06	3.76E-06	3.11E-06	0.00E+00
TEENAGE	MILK ING	1.10E-06	1.61E-05	3.49E-06	3.49E-06	2.89E-06	0.00E+00
TEENAGE	TOTALS	6.03E-02	3.27E-03	2.54E-03	2.68E-03	2.58E-03	9.67E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.79E-02	1.64E-04	2.32E-06	1.23E-04	5.92E-05	9.65E-01
ADULT	GROUND	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04
ADULT	CLOUD	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03	2.31E-03
ADULT	VEG. ING	2.28E-05	2.63E-04	7.83E-05	7.83E-05	6.38E-05	0.00E+00
ADULT	MEAT ING	9.05E-07	1.05E-05	3.11E-06	3.11E-06	2.53E-06	0.00E+00
ADULT	MILK ING	2.54E-07	2.94E-06	8.72E-07	8.72E-07	7.11E-07	0.00E+00
ADULT	TOTALS	6.03E-02	2.85E-03	2.49E-03	2.61E-03	2.53E-03	9.67E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.98E-02	2.68E-04	2.51E-05	1.39E-03	5.41E-04	3.29E-01
INFANT	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
INFANT	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.14E-05	2.26E-05	4.20E-05	4.20E-05	3.70E-05	0.00E+00
INFANT	TOTALS	2.14E-02	1.84E-03	1.61E-03	2.98E-03	2.12E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.98E-02	2.03E-04	1.17E-05	6.18E-04	2.54E-04	3.29E-01
CHILD	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
CHILD	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
CHILD	VEG. ING	4.51E-05	2.04E-04	2.41E-04	2.41E-04	1.77E-04	0.00E+00
CHILD	MEAT ING	1.44E-06	6.54E-06	7.71E-06	7.71E-06	5.66E-06	0.00E+00
CHILD	MILK ING	1.84E-06	8.33E-06	9.82E-06	9.82E-06	7.21E-06	0.00E+00
CHILD	TOTALS	2.14E-02	1.97E-03	1.82E-03	2.42E-03	1.99E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.98E-02	5.00E-04	5.01E-06	2.65E-04	1.27E-04	3.29E-01
TEENAGE	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
TEENAGE	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
TEENAGE	VEG. ING	6.75E-05	9.93E-04	2.15E-04	2.15E-04	1.78E-04	0.00E+00
TEENAGE	MEAT ING	2.12E-06	3.11E-05	6.73E-06	6.73E-06	5.57E-06	0.00E+00
TEENAGE	MILK ING	1.97E-06	2.89E-05	6.25E-06	6.25E-06	5.17E-06	0.00E+00
TEENAGE	TOTALS	2.14E-02	3.10E-03	1.78E-03	2.04E-03	1.86E-03	3.30E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.98E-02	2.94E-04	4.18E-06	2.21E-04	1.06E-04	3.29E-01
ADULT	GROUND	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05	3.70E-05
ADULT	CLOUD	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03
ADULT	VEG. ING	4.08E-05	4.72E-04	1.40E-04	1.40E-04	1.14E-04	0.00E+00
ADULT	MEAT ING	1.62E-06	1.87E-05	5.57E-06	5.57E-06	4.54E-06	0.00E+00
ADULT	MILK ING	4.55E-07	5.26E-06	1.56E-06	1.56E-06	1.27E-06	0.00E+00
ADULT	TOTALS	2.13E-02	2.34E-03	1.70E-03	1.91E-03	1.77E-03	3.30E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.31E-02	1.91E-04	1.78E-05	9.93E-04	3.86E-04	7.18E-01
INFANT	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
INFANT	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	8.17E-06	1.62E-05	3.00E-05	3.00E-05	2.64E-05	0.00E+00
INFANT	TOTALS	4.54E-02	2.46E-03	2.30E-03	3.28E-03	2.67E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.31E-02	1.45E-04	8.32E-06	4.41E-04	1.82E-04	7.18E-01
CHILD	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
CHILD	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
CHILD	VEG. ING	3.22E-05	1.46E-04	1.72E-04	1.72E-04	1.26E-04	0.00E+00
CHILD	MEAT ING	1.03E-06	4.67E-06	5.50E-06	5.50E-06	4.04E-06	0.00E+00
CHILD	MILK ING	1.31E-06	5.95E-06	7.01E-06	7.01E-06	5.15E-06	0.00E+00
CHILD	TOTALS	4.54E-02	2.55E-03	2.45E-03	2.88E-03	2.57E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.31E-02	3.57E-04	3.56E-06	1.89E-04	9.08E-05	7.18E-01
TEENAGE	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
TEENAGE	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
TEENAGE	VEG. ING	4.82E-05	7.09E-04	1.53E-04	1.53E-04	1.27E-04	0.00E+00
TEENAGE	MEAT ING	1.51E-06	2.22E-05	4.81E-06	4.81E-06	3.98E-06	0.00E+00
TEENAGE	MILK ING	1.40E-06	2.06E-05	4.46E-06	4.46E-06	3.69E-06	0.00E+00
TEENAGE	TOTALS	4.54E-02	3.36E-03	2.42E-03	2.60E-03	2.48E-03	7.20E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.31E-02	2.10E-04	2.97E-06	1.58E-04	7.57E-05	7.18E-01
ADULT	GROUND	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05	7.79E-05
ADULT	CLOUD	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03	2.17E-03
ADULT	VEG. ING	2.92E-05	3.37E-04	1.00E-04	1.00E-04	8.16E-05	0.00E+00
ADULT	MEAT ING	1.16E-06	1.34E-05	3.98E-06	3.98E-06	3.24E-06	0.00E+00
ADULT	MILK ING	3.25E-07	3.76E-06	1.12E-06	1.12E-06	9.09E-07	0.00E+00
ADULT	TOTALS	4.54E-02	2.82E-03	2.36E-03	2.52E-03	2.41E-03	7.20E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.53E-03	3.32E-04	3.15E-05	1.72E-03	6.70E-04	1.24E-01

INFANT	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
INFANT	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.42E-05	2.81E-05	5.21E-05	5.21E-05	4.59E-05	0.00E+00
INFANT	TOTALS	8.35E-03	1.17E-03	8.94E-04	2.59E-03	1.53E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.47E-03	2.52E-04	1.47E-05	7.66E-04	3.15E-04	1.24E-01
CHILD	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
CHILD	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
CHILD	VEG. ING	5.60E-05	2.54E-04	2.99E-04	2.99E-04	2.20E-04	0.00E+00
CHILD	MEAT ING	1.79E-06	8.11E-06	9.56E-06	9.56E-06	7.02E-06	0.00E+00
CHILD	MILK ING	2.28E-06	1.03E-05	1.22E-05	1.22E-05	8.94E-06	0.00E+00
CHILD	TOTALS	8.35E-03	1.33E-03	1.15E-03	1.90E-03	1.36E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.47E-03	6.20E-04	6.30E-06	3.28E-04	1.58E-04	1.24E-01
TEENAGE	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
TEENAGE	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
TEENAGE	VEG. ING	8.37E-05	1.23E-03	2.66E-04	2.66E-04	2.20E-04	0.00E+00
TEENAGE	MEAT ING	2.63E-06	3.86E-05	8.35E-06	8.35E-06	6.91E-06	0.00E+00
TEENAGE	MILK ING	2.44E-06	3.58E-05	7.75E-06	7.75E-06	6.41E-06	0.00E+00
TEENAGE	TOTALS	8.37E-03	2.74E-03	1.10E-03	1.42E-03	1.20E-03	1.24E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.47E-03	3.65E-04	5.25E-06	2.74E-04	1.31E-04	1.24E-01
ADULT	GROUND	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05	1.42E-05
ADULT	CLOUD	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04	7.97E-04
ADULT	VEG. ING	5.07E-05	5.85E-04	1.74E-04	1.74E-04	1.42E-04	0.00E+00
ADULT	MEAT ING	2.01E-06	2.32E-05	6.91E-06	6.91E-06	5.62E-06	0.00E+00
ADULT	MILK ING	5.64E-07	6.52E-06	1.94E-06	1.94E-06	1.58E-06	0.00E+00
ADULT	TOTALS	8.33E-03	1.79E-03	9.99E-04	1.27E-03	1.09E-03	1.24E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.95E-01	5.63E-05	5.23E-06	2.93E-04	1.14E-04	4.91E+00
INFANT	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
INFANT	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.41E-06	4.76E-06	8.83E-06	8.83E-06	7.79E-06	0.00E+00
INFANT	TOTALS	2.98E-01	3.67E-03	3.62E-03	3.91E-03	3.73E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.95E-01	4.27E-05	2.44E-06	1.30E-04	5.35E-05	4.91E+00
CHILD	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
CHILD	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
CHILD	VEG. ING	9.50E-06	4.30E-05	5.07E-05	5.07E-05	3.72E-05	0.00E+00
CHILD	MEAT ING	3.04E-07	1.38E-06	1.62E-06	1.62E-06	1.19E-06	0.00E+00
CHILD	MILK ING	3.87E-07	1.75E-06	2.07E-06	2.07E-06	1.52E-06	0.00E+00
CHILD	TOTALS	2.98E-01	3.70E-03	3.66E-03	3.79E-03	3.70E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.95E-01	1.05E-04	1.05E-06	5.57E-05	2.68E-05	4.91E+00
TEENAGE	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
TEENAGE	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
TEENAGE	VEG. ING	1.42E-05	2.09E-04	4.52E-05	4.52E-05	3.74E-05	0.00E+00
TEENAGE	MEAT ING	4.46E-07	6.55E-06	1.42E-06	1.42E-06	1.17E-06	0.00E+00
TEENAGE	MILK ING	4.13E-07	6.08E-06	1.31E-06	1.31E-06	1.09E-06	0.00E+00
TEENAGE	TOTALS	2.98E-01	3.93E-03	3.66E-03	3.71E-03	3.67E-03	4.92E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.95E-01	6.19E-05	8.71E-07	4.64E-05	2.23E-05	4.91E+00
ADULT	GROUND	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04	4.34E-04
ADULT	CLOUD	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03	3.17E-03
ADULT	VEG. ING	8.59E-06	9.93E-05	2.95E-05	2.95E-05	2.40E-05	0.00E+00
ADULT	MEAT ING	3.41E-07	3.94E-06	1.17E-06	1.17E-06	9.54E-07	0.00E+00
ADULT	MILK ING	9.57E-08	1.11E-06	3.29E-07	3.29E-07	2.68E-07	0.00E+00
ADULT	TOTALS	2.98E-01	3.77E-03	3.64E-03	3.68E-03	3.65E-03	4.92E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.15E-01	2.36E-04	2.19E-05	1.23E-03	4.77E-04	3.59E+00
INFANT	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
INFANT	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.01E-05	2.00E-05	3.70E-05	3.70E-05	3.27E-05	0.00E+00
INFANT	TOTALS	2.22E-01	6.74E-03	6.54E-03	7.75E-03	7.00E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.15E-01	1.79E-04	1.02E-05	5.45E-04	2.24E-04	3.59E+00
CHILD	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
CHILD	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
CHILD	VEG. ING	3.98E-05	1.80E-04	2.13E-04	2.13E-04	1.56E-04	0.00E+00
CHILD	MEAT ING	1.27E-06	5.77E-06	6.80E-06	6.80E-06	4.99E-06	0.00E+00
CHILD	MILK ING	1.62E-06	7.35E-06	8.66E-06	8.66E-06	6.36E-06	0.00E+00
CHILD	TOTALS	2.22E-01	6.86E-03	6.72E-03	7.26E-03	6.88E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.15E-01	4.41E-04	4.39E-06	2.34E-04	1.12E-04	3.59E+00
TEENAGE	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
TEENAGE	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
TEENAGE	VEG. ING	5.96E-05	8.76E-04	1.89E-04	1.89E-04	1.57E-04	0.00E+00
TEENAGE	MEAT ING	1.87E-06	2.75E-05	5.94E-06	5.94E-06	4.91E-06	0.00E+00
TEENAGE	MILK ING	1.73E-06	2.55E-05	5.51E-06	5.51E-06	4.56E-06	0.00E+00
TEENAGE	TOTALS	2.22E-01	7.86E-03	6.69E-03	6.92E-03	6.76E-03	3.59E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.15E-01	2.60E-04	3.66E-06	1.95E-04	9.35E-05	3.59E+00
ADULT	GROUND	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04	3.74E-04
ADULT	CLOUD	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03	6.11E-03
ADULT	VEG. ING	3.60E-05	4.16E-04	1.24E-04	1.24E-04	1.01E-04	0.00E+00
ADULT	MEAT ING	1.43E-06	1.65E-05	4.91E-06	4.91E-06	4.00E-06	0.00E+00
ADULT	MILK ING	4.01E-07	4.64E-06	1.38E-06	1.38E-06	1.12E-06	0.00E+00
ADULT	TOTALS	2.22E-01	7.18E-03	6.62E-03	6.81E-03	6.69E-03	3.59E+00

0Program execution time = 0.16 seconds

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JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

```
  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
	1	2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Colorado Cell 3 Co CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: CPTP3ICR.MIL 02/11/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -7.1912E+02 -8.4612E+02 -1.8688E+02 -8.4612E+02 -7.1912E+02 -3.1388E+02 -1.8688E+02 -3.1388E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -7.1912E+02 YS= -8.4612E+02
NODE NO. = 2 XS= -7.1912E+02 YS= -5.8000E+02
NODE NO. = 3 XS= -7.1912E+02 YS= -3.1388E+02
NODE NO. = 4 XS= -4.5300E+02 YS= -8.4612E+02
NODE NO. = 5 XS= -4.5300E+02 YS= -5.8000E+02
NODE NO. = 6 XS= -4.5300E+02 YS= -3.1388E+02
NODE NO. = 7 XS= -1.8688E+02 YS= -8.4612E+02
NODE NO. = 8 XS= -1.8688E+02 YS= -5.8000E+02
NODE NO. = 9 XS= -1.8688E+02 YS= -3.1388E+02

1REGION: 2008- Colorado Cell 3 Co CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: CPTP3ICR.MIL 02/11/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.45	-0.58	-10.00	0.2833	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E+01	5001	3	0.00E+00	Tailings Cell 3 Cov

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	4.20E+01	7.00E+02	7.00E+02	7.00E+02
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
0 AMAD= 1.5 æm							
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

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            LIVER          6.16E-01       6.94E-01       3.42E+01       2.94E+00       4.23E+02       1.97E-01       1.82E+01
            KIDNEY         1.11E+02       1.25E+02       3.89E+00       2.94E+00       1.99E+02       6.45E+00       1.10E+02
0    AMAD= 3.0 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       1.91E+01       2.12E+01       1.05E+03       3.86E+01       7.59E+01       1.30E+00       4.84E+01
            BONE           2.89E+02       3.21E+02       1.43E+04       2.46E+02       6.12E+02       9.26E-02       6.58E+00
            AVG.LUNG       4.25E+00       4.82E+00       4.08E+03       2.19E+02       8.61E+00       5.88E+00       1.77E+02
            LIVER          6.55E-01       7.38E-01       2.47E+01       3.30E+00       4.59E+02       2.52E-01       2.05E+01
            KIDNEY         1.18E+02       1.33E+02       2.81E+00       3.30E+00       2.15E+02       7.65E+00       1.25E+02
0    AMAD= 7.7 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       2.05E+01       2.29E+01       6.62E+02       2.80E+01       8.45E+01       1.08E+00       4.23E+01
            BONE           3.13E+02       3.49E+02       9.08E+03       2.79E+02       6.78E+02       1.16E-01       7.51E+00
            AVG.LUNG       2.35E+00       2.67E+00       1.76E+03       9.46E+01       9.53E+00       2.54E+00       7.63E+01
            LIVER          7.11E-01       8.01E-01       1.58E+01       3.74E+00       5.08E+02       3.16E-01       2.34E+01
            KIDNEY         1.28E+02       1.45E+02       1.79E+00       3.74E+00       2.36E+02       9.04E+00       1.42E+02
0    AMAD=54.0 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       1.88E+01       2.10E+01       1.88E+02       1.31E+01       8.03E+01       6.75E-01       2.77E+01
            BONE           2.91E+02       3.24E+02       4.70E+03       2.60E+02       6.48E+02       1.27E-01       6.66E+00
            AVG.LUNG       7.59E-01       8.61E-01       0.00E+00       0.00E+00       9.11E+00       0.00E+00       0.00E+00
            LIVER          6.59E-01       7.43E-01       8.16E+00       3.49E+00       4.86E+02       3.46E-01       2.08E+01
            KIDNEY         1.19E+02       1.34E+02       9.29E-01       3.49E+00       2.24E+02       8.05E+00       1.26E+02
0    AMAD= 0.3 æm           U-238          U-234          Th-230         Ra-226         Pb-210         Bi-210         Po-210
     ----------------------------------------------------------------------------------------------------------------------------
            EFFECTIV       2.04E+01       2.27E+01       3.12E+03       9.86E+01       7.30E+01       2.72E+00       9.27E+01
            BONE           2.99E+02       3.33E+02       3.83E+04       2.09E+02       5.92E+02       4.44E-02       5.29E+00
            AVG.LUNG       1.27E+01       1.44E+01       1.40E+04       7.53E+02       8.33E+00       2.02E+01       6.07E+02
            LIVER          6.79E-01       7.65E-01       6.64E+01       2.80E+00       4.44E+02       1.21E-01       1.65E+01
            KIDNEY         1.22E+02       1.38E+02       7.56E+00       2.80E+00       2.13E+02       4.93E+00       1.00E+02

                                          EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS
                                U-238        Th-230       Ra-226       Pb-210       Rn-222       Po-218       Pb-214       Bi-
214
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  GROUND, MR/YR PER PCI/M2     3.70E-06     6.12E-07     9.47E-07     2.27E-06     5.03E-08     1.10E-08     3.16E-05
1.85E-04
  CLOUD, MR/YR PER PCI/M3      1.23E-04     3.59E-06     4.90E-05     1.43E-05     2.83E-06     6.34E-07     1.67E-03
1.16E-02
  WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3     ........     ........     ........     1.03E-06     5.07E-06
3.73E-06
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  11
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                                       INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

    AGE GROUP    TISSUE        U-238        U-234        Th-234       Th-230       Ra-226       Pb-210       Bi-210       Po-
210
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INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.216E+00	1.124E+00	5.073E-01	2.577E-01	3.055E-07	4.691E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.566E-01	6.353E-01	3.640E-01	2.321E-01	4.441E-07	3.366E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.238E-01	4.175E-01	2.759E-01	1.992E-01	5.462E-07	2.572E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.036E-01	3.014E-01	2.180E-01	1.690E-01	6.175E-07	2.046E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.540E-01	1.538E-01	1.280E-01	1.088E-01	7.199E-07	1.213E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.156E-02	6.159E-02	5.765E-02	5.315E-02	7.420E-07	5.540E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.113E-02	3.114E-02	3.052E-02	2.953E-02	7.025E-07	2.970E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.985E-02	1.986E-02	1.975E-02	1.948E-02	6.620E-07	1.932E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.414E-02	1.415E-02	1.415E-02	1.408E-02	6.271E-07	1.388E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.084E-02	1.084E-02	1.087E-02	1.085E-02	5.971E-07	1.067E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.595E-03	8.600E-03	8.630E-03	8.637E-03	5.712E-07	8.483E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.036E-03	7.040E-03	7.069E-03	7.084E-03	5.485E-07	6.951E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.906E-01	8.906E-01	8.906E-01	5.533E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.032E-01	5.032E-01	5.032E-01	8.043E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.307E-01	3.307E-01	3.307E-01	9.892E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.387E-01	2.387E-01	2.387E-01	1.118E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.218E-01	1.218E-01	1.218E-01	1.304E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.878E-02	4.878E-02	4.878E-02	1.344E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.467E-02	2.467E-02	2.467E-02	1.272E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.573E-02	1.573E-02	1.573E-02	1.199E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.121E-02	1.121E-02	1.121E-02	1.136E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.588E-03	8.588E-03	8.588E-03	1.081E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.811E-03	6.811E-03	6.811E-03	1.034E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.576E-03	5.576E-03	5.576E-03	9.933E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	9.165E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.332E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.639E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.853E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.160E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.226E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.108E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.986E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.881E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.791E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.714E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.646E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.497E-01	7.938E-01	3.770E-01	1.914E-01	2.158E-07	3.443E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.563E-01	4.426E-01	2.617E-01	1.673E-01	3.085E-07	2.407E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.927E-01	2.886E-01	1.950E-01	1.414E-01	3.762E-07	1.813E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.090E-01	2.076E-01	1.525E-01	1.188E-01	4.229E-07	1.430E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.048E-01	1.047E-01	8.773E-02	7.489E-02	4.871E-07	8.320E-07
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.106E-02	4.109E-02	3.855E-02	3.565E-02	4.944E-07	3.707E-07

25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.042E-02	2.044E-02	2.004E-02	1.942E-02	4.638E-07	1.951E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.287E-02	1.288E-02	1.280E-02	1.264E-02	4.346E-07	1.253E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.086E-03	9.091E-03	9.090E-03	9.041E-03	4.099E-07	8.917E-08
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.911E-03	6.915E-03	6.930E-03	6.918E-03	3.889E-07	6.806E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.444E-03	5.447E-03	5.466E-03	5.469E-03	3.709E-07	5.372E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.430E-03	4.432E-03	4.450E-03	4.459E-03	3.552E-07	4.376E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.287E-01	6.287E-01	6.287E-01	3.908E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.505E-01	3.505E-01	3.505E-01	5.586E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.286E-01	2.286E-01	2.286E-01	6.813E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.644E-01	1.644E-01	1.644E-01	7.658E-02
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.294E-02	8.294E-02	8.294E-02	8.821E-02
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.254E-02	3.254E-02	3.254E-02	8.954E-02
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.619E-02	1.619E-02	1.619E-02	8.400E-02
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.020E-02	1.020E-02	1.020E-02	7.870E-02
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.200E-03	7.200E-03	7.200E-03	7.422E-02
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.477E-03	5.477E-03	5.477E-03	7.042E-02
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.315E-03	4.315E-03	4.315E-03	6.717E-02
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.510E-03	3.510E-03	3.510E-03	6.433E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.474E-10
2.5	0.000E+00	0.000E+00	0.000E+00	9.254E-10
3.5	0.000E+00	0.000E+00	0.000E+00	1.129E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.269E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.461E-09
15.0	0.000E+00	0.000E+00	0.000E+00	1.483E-09
25.0	0.000E+00	0.000E+00	0.000E+00	1.391E-09
35.0	0.000E+00	0.000E+00	0.000E+00	1.304E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.230E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.167E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.113E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.066E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.572E+00	7.119E+00	1.915E+00	5.478E-01	2.708E-07	1.908E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.397E+00	3.198E+00	1.376E+00	6.507E-01	6.892E-07	1.270E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.975E+00	1.930E+00	1.048E+00	6.224E-01	1.084E-06	9.624E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.309E+00	1.298E+00	8.201E-01	5.529E-01	1.379E-06	7.557E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.916E-01	5.915E-01	4.653E-01	3.670E-01	1.833E-06	4.337E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.159E-01	2.160E-01	2.000E-01	1.798E-01	1.995E-06	1.908E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.023E-01	1.024E-01	1.006E-01	9.731E-02	1.906E-06	9.787E-07
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.307E-02	6.310E-02	6.296E-02	6.233E-02	1.793E-06	6.167E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.393E-02	4.396E-02	4.406E-02	4.397E-02	1.690E-06	4.327E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.311E-02	3.313E-02	3.325E-02	3.328E-02	1.601E-06	3.268E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.590E-02	2.592E-02	2.603E-02	2.609E-02	1.524E-06	2.560E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.096E-02	2.097E-02	2.107E-02	2.114E-02	1.456E-06	2.073E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.638E+00	5.638E+00	5.638E+00	4.904E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.533E+00	2.533E+00	2.533E+00	1.248E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.529E+00	1.529E+00	1.529E+00	1.962E-01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.028E+00	1.028E+00	1.028E+00	2.497E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.685E-01	4.685E-01	4.685E-01	3.319E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.711E-01	1.711E-01	1.711E-01	3.614E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.108E-02	8.108E-02	8.108E-02	3.452E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.998E-02	4.998E-02	4.998E-02	3.246E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.482E-02	3.482E-02	3.482E-02	3.061E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.624E-02	2.624E-02	2.624E-02	2.899E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.053E-02	2.053E-02	2.053E-02	2.760E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.661E-02	1.661E-02	1.661E-02	2.638E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	8.124E-10
2.5	0.000E+00	0.000E+00	0.000E+00	2.067E-09
3.5	0.000E+00	0.000E+00	0.000E+00	3.251E-09

4.5	0.000E+00	0.000E+00	0.000E+00	4.137E-09
7.5	0.000E+00	0.000E+00	0.000E+00	5.499E-09
15.0	0.000E+00	0.000E+00	0.000E+00	5.986E-09
25.0	0.000E+00	0.000E+00	0.000E+00	5.719E-09
35.0	0.000E+00	0.000E+00	0.000E+00	5.378E-09
45.0	0.000E+00	0.000E+00	0.000E+00	5.070E-09
55.0	0.000E+00	0.000E+00	0.000E+00	4.803E-09
65.0	0.000E+00	0.000E+00	0.000E+00	4.572E-09
75.0	0.000E+00	0.000E+00	0.000E+00	4.369E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.300E+01	1.800E+01	3.746E+00	8.535E-01	3.308E-07	4.072E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.201E+00	5.843E+00	2.300E+00	9.941E-01	9.276E-07	2.139E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.239E+00	3.167E+00	1.618E+00	9.023E-01	1.443E-06	1.483E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.011E+00	1.997E+00	1.216E+00	7.833E-01	1.815E-06	1.114E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.420E-01	8.419E-01	6.547E-01	5.045E-01	2.364E-06	6.068E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.921E-01	2.922E-01	2.703E-01	2.417E-01	2.517E-06	2.573E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.348E-01	1.348E-01	1.327E-01	1.284E-01	2.379E-06	1.291E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.203E-02	8.208E-02	8.195E-02	8.121E-02	2.223E-06	8.029E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.670E-02	5.674E-02	5.688E-02	5.681E-02	2.086E-06	5.587E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.250E-02	4.252E-02	4.268E-02	4.274E-02	1.968E-06	4.196E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.311E-02	3.313E-02	3.328E-02	3.337E-02	1.868E-06	3.273E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.671E-02	2.673E-02	2.685E-02	2.694E-02	1.780E-06	2.641E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.426E+01	1.426E+01	1.426E+01	5.990E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.628E+00	4.628E+00	4.628E+00	1.680E-01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.508E+00	2.508E+00	2.508E+00	2.614E-01

4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.581E+00	1.581E+00	1.581E+00	3.287E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.669E-01	6.669E-01	6.669E-01	4.281E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.314E-01	2.314E-01	2.314E-01	4.559E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.068E-01	1.068E-01	1.068E-01	4.309E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.501E-02	6.501E-02	6.501E-02	4.025E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.494E-02	4.494E-02	4.494E-02	3.777E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.368E-02	3.368E-02	3.368E-02	3.564E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.624E-02	2.624E-02	2.624E-02	3.382E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.117E-02	2.117E-02	2.117E-02	3.224E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	9.923E-10
2.5	0.000E+00	0.000E+00	0.000E+00	2.783E-09
3.5	0.000E+00	0.000E+00	0.000E+00	4.330E-09
4.5	0.000E+00	0.000E+00	0.000E+00	5.446E-09
7.5	0.000E+00	0.000E+00	0.000E+00	7.091E-09
15.0	0.000E+00	0.000E+00	0.000E+00	7.552E-09
25.0	0.000E+00	0.000E+00	0.000E+00	7.138E-09
35.0	0.000E+00	0.000E+00	0.000E+00	6.668E-09
45.0	0.000E+00	0.000E+00	0.000E+00	6.257E-09
55.0	0.000E+00	0.000E+00	0.000E+00	5.904E-09
65.0	0.000E+00	0.000E+00	0.000E+00	5.603E-09
75.0	0.000E+00	0.000E+00	0.000E+00	5.341E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.458E+00	2.319E+00	9.130E-01	3.222E-01	1.935E-07	8.219E-06
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.888E-01	8.774E-01	5.425E-01	3.045E-01	3.726E-07	4.790E-06
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.922E-01	4.902E-01	3.691E-01	2.621E-01	5.213E-07	3.354E-06
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.232E-01	3.229E-01	2.700E-01	2.180E-01	6.295E-07	2.514E-06
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.457E-01	1.458E-01	1.365E-01	1.267E-01	7.835E-07	1.315E-06
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.379E-02	5.382E-02	5.306E-02	5.184E-02	8.080E-07	5.178E-07
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.596E-02	2.597E-02	2.599E-02	2.587E-02	7.492E-07	2.550E-07

35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.616E-02	1.617E-02	1.622E-02	1.624E-02	6.956E-07	1.595E-07
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.132E-02	1.132E-02	1.137E-02	1.140E-02	6.521E-07	1.119E-07
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.554E-03	8.559E-03	8.599E-03	8.627E-03	6.161E-07	8.459E-08
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.702E-03	6.706E-03	6.738E-03	6.761E-03	5.858E-07	6.629E-08
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.425E-03	5.428E-03	5.454E-03	5.473E-03	5.595E-07	5.366E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.837E+00	1.837E+00	1.837E+00	3.504E-02
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.950E-01	6.950E-01	6.950E-01	6.747E-02
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.883E-01	3.883E-01	3.883E-01	9.441E-02
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.557E-01	2.557E-01	2.557E-01	1.140E-01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.154E-01	1.154E-01	1.154E-01	1.419E-01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.262E-02	4.262E-02	4.262E-02	1.463E-01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.057E-02	2.057E-02	2.057E-02	1.357E-01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.280E-02	1.280E-02	1.280E-02	1.260E-01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.969E-03	8.969E-03	8.969E-03	1.181E-01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.779E-03	6.779E-03	6.779E-03	1.116E-01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.311E-03	5.311E-03	5.311E-03	1.061E-01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.299E-03	4.299E-03	4.299E-03	1.013E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	5.805E-10
2.5	0.000E+00	0.000E+00	0.000E+00	1.118E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.564E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.888E-09
7.5	0.000E+00	0.000E+00	0.000E+00	2.351E-09
15.0	0.000E+00	0.000E+00	0.000E+00	2.424E-09
25.0	0.000E+00	0.000E+00	0.000E+00	2.248E-09
35.0	0.000E+00	0.000E+00	0.000E+00	2.087E-09
45.0	0.000E+00	0.000E+00	0.000E+00	1.956E-09
55.0	0.000E+00	0.000E+00	0.000E+00	1.848E-09
65.0	0.000E+00	0.000E+00	0.000E+00	1.757E-09
75.0	0.000E+00	0.000E+00	0.000E+00	1.679E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.262E-04	0.000E+00	0.000E+00	7.275E-05	0.000E+00	0.000E+00	0.000E+00	1.598E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.006E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.315E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.902E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.351E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.577E-05	5.676E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.480E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.599E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.215E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.062E-05	0.000E+00	1.066E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.612E-07	0.000E+00	0.000E+00	5.951E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 4.491E-04 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.024E-03	0.000E+00	0.000E+00	5.897E-04	0.000E+00	0.000E+00	0.000E+00	1.293E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.246E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.874E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.157E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.716E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.088E-04	4.599E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.823E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.294E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.229E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.480E-04	0.000E+00	8.622E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.736E-06	0.000E+00	0.000E+00	4.814E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 3.640E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.463E-05 0.000E+00 0.000E+00 9.017E-06 0.000E+00 0.000E+00 0.000E+00
2.170E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.094E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.019E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.326E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.151E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.185E-06 7.185E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.022E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.161E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.276E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.987E-06 0.000E+00
1.456E-06
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.886E-08 0.000E+00 0.000E+00
8.188E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.544E-05 PERSON-REM/YR
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  20
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS BRONCHI

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.273E-01 0.000E+00 0.000E+00 4.318E-02 0.000E+00 0.000E+00 0.000E+00
4.058E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.630E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.021E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.306E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.732E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.481E-02 2.419E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.923E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.930E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.053E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.464E-03 0.000E+00
2.048E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.384E-04 0.000E+00 0.000E+00
9.990E-04
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 8.636E-01 PERSON-REM/YR
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.017E-05 0.000E+00 0.000E+00 5.230E-06 0.000E+00 0.000E+00 0.000E+00
5.338E-08
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.032E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.028E-07 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.122E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.117E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.798E-06 3.004E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.193E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
5.194E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.967E-06 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.101E-06 0.000E+00
2.813E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.782E-08 0.000E+00 0.000E+00
1.407E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.975E-05 PERSON-REM/YR
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.001E-03 0.000E+00 0.000E+00 3.632E-04 0.000E+00 0.000E+00 0.000E+00
3.567E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.409E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.143E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.322E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.497E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.270E-04 2.107E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.080E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.470E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.236E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.469E-05 0.000E+00
1.809E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.221E-06 0.000E+00 0.000E+00
8.825E-06
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.308E-03 PERSON-REM/YR
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       1.412E-07 3.421E-07 5.888E-07 8.560E-07 8.318E-06 3.428E-05 5.412E-05 7.136E-05 8.692E-05 1.012E-04 1.144E-04
1.267E-04
     NNE     1.275E-07 2.930E-07 4.904E-07 7.010E-07 6.655E-06 2.707E-05 4.273E-05 5.646E-05 6.891E-05 8.033E-05 9.095E-05
1.009E-04
     NE      1.184E-07 2.685E-07 4.464E-07 6.355E-07 5.989E-06 2.412E-05 3.775E-05 4.959E-05 6.027E-05 7.003E-05 7.909E-05
8.751E-05
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     ENE     1.088E-07 2.486E-07 4.154E-07 5.935E-07 5.616E-06 2.263E-05 3.530E-05 4.625E-05 5.608E-05 6.505E-05 7.336E-05
8.106E-05
     E       9.970E-08 2.376E-07 4.055E-07 5.862E-07 5.628E-06 2.284E-05 3.573E-05 4.684E-05 5.681E-05 6.589E-05 7.428E-05
8.206E-05
     ESE     9.380E-08 2.503E-07 4.552E-07 6.826E-07 6.875E-06 2.860E-05 4.485E-05 5.872E-05 7.107E-05 8.227E-05 9.258E-05
1.021E-04
     SE      9.843E-08 3.159E-07 6.355E-07 1.006E-06 1.085E-05 4.711E-05 7.501E-05 9.882E-05 1.200E-04 1.392E-04 1.569E-04
1.732E-04
     SSE     1.173E-07 4.236E-07 8.465E-07 1.332E-06 1.418E-05 6.071E-05 9.626E-05 1.266E-04 1.537E-04 1.782E-04 2.008E-04
2.216E-04
     S       1.251E-07 5.309E-07 1.168E-06 1.911E-06 2.118E-05 9.219E-05 1.468E-04 1.932E-04 2.343E-04 2.712E-04 3.052E-04
3.365E-04
     SSW     1.528E-07 7.145E-07 1.556E-06 2.516E-06 2.731E-05 1.163E-04 1.833E-04 2.396E-04 2.891E-04 3.335E-04 3.740E-04
4.113E-04
     SW      1.208E-07 5.978E-07 1.326E-06 2.157E-06 2.341E-05 9.791E-05 1.518E-04 1.969E-04 2.368E-04 2.728E-04 3.058E-04
3.362E-04
     WSW     7.331E-08 3.021E-07 6.531E-07 1.056E-06 1.144E-05 4.802E-05 7.465E-05 9.716E-05 1.172E-04 1.355E-04 1.523E-04
1.678E-04
     W       8.940E-08 2.870E-07 5.619E-07 8.725E-07 9.054E-06 3.733E-05 5.771E-05 7.497E-05 9.038E-05 1.044E-04 1.173E-04
1.293E-04
     WNW     1.102E-07 3.078E-07 5.712E-07 8.663E-07 8.783E-06 3.603E-05 5.573E-05 7.246E-05 8.741E-05 1.010E-04 1.135E-04
1.251E-04
     NW      1.316E-07 3.350E-07 5.896E-07 8.688E-07 8.540E-06 3.490E-05 5.438E-05 7.116E-05 8.626E-05 1.000E-04 1.128E-04
1.247E-04
     NNW     1.467E-07 3.575E-07 6.136E-07 8.904E-07 8.591E-06 3.491E-05 5.453E-05 7.151E-05 8.682E-05 1.008E-04 1.138E-04
1.259E-04

                TOTAL DOSE COMMITMENT IS 1.307E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       1.541E-06 3.734E-06 6.426E-06 9.343E-06 9.079E-05 3.742E-04 5.907E-04 7.788E-04 9.487E-04 1.104E-03 1.249E-03
1.383E-03
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NNE	1.392E-06	3.198E-06	5.353E-06	7.651E-06	7.264E-05	2.955E-04	4.664E-04	6.163E-04	7.521E-04	8.767E-04	9.927E-04	1.101E-03
NE	1.292E-06	2.931E-06	4.872E-06	6.937E-06	6.537E-05	2.633E-04	4.120E-04	5.412E-04	6.578E-04	7.644E-04	8.632E-04	9.551E-04
ENE	1.187E-06	2.713E-06	4.534E-06	6.477E-06	6.130E-05	2.470E-04	3.853E-04	5.048E-04	6.121E-04	7.100E-04	8.007E-04	8.847E-04
E	1.088E-06	2.594E-06	4.426E-06	6.398E-06	6.143E-05	2.493E-04	3.900E-04	5.113E-04	6.201E-04	7.192E-04	8.108E-04	8.957E-04
ESE	1.024E-06	2.732E-06	4.968E-06	7.450E-06	7.504E-05	3.122E-04	4.895E-04	6.409E-04	7.757E-04	8.980E-04	1.011E-03	1.115E-03
SE	1.074E-06	3.448E-06	6.936E-06	1.098E-05	1.184E-04	5.142E-04	8.187E-04	1.079E-03	1.310E-03	1.520E-03	1.713E-03	1.891E-03
SSE	1.281E-06	4.623E-06	9.239E-06	1.454E-05	1.548E-04	6.627E-04	1.051E-03	1.382E-03	1.678E-03	1.945E-03	2.191E-03	2.419E-03
S	1.366E-06	5.794E-06	1.275E-05	2.086E-05	2.312E-04	1.006E-03	1.603E-03	2.109E-03	2.557E-03	2.961E-03	3.331E-03	3.672E-03
SSW	1.668E-06	7.799E-06	1.698E-05	2.746E-05	2.981E-04	1.270E-03	2.000E-03	2.615E-03	3.155E-03	3.640E-03	4.083E-03	4.489E-03
SW	1.318E-06	6.525E-06	1.447E-05	2.355E-05	2.555E-04	1.069E-03	1.657E-03	2.149E-03	2.584E-03	2.977E-03	3.337E-03	3.669E-03
WSW	8.002E-07	3.298E-06	7.129E-06	1.153E-05	1.248E-04	5.241E-04	8.148E-04	1.061E-03	1.280E-03	1.478E-03	1.662E-03	1.831E-03
W	9.758E-07	3.132E-06	6.133E-06	9.523E-06	9.882E-05	4.074E-04	6.299E-04	8.183E-04	9.865E-04	1.139E-03	1.280E-03	1.411E-03
WNW	1.203E-06	3.359E-06	6.235E-06	9.456E-06	9.586E-05	3.933E-04	6.083E-04	7.909E-04	9.541E-04	1.102E-03	1.239E-03	1.366E-03
NW	1.436E-06	3.656E-06	6.435E-06	9.482E-06	9.321E-05	3.809E-04	5.935E-04	7.767E-04	9.415E-04	1.092E-03	1.231E-03	1.361E-03
NNW	1.601E-06	3.902E-06	6.698E-06	9.718E-06	9.377E-05	3.810E-04	5.952E-04	7.805E-04	9.476E-04	1.100E-03	1.242E-03	1.374E-03

TOTAL DOSE COMMITMENT IS 1.426E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       7.761E-09 1.881E-08 3.237E-08 4.706E-08 4.573E-07 1.885E-06 2.975E-06 3.923E-06 4.779E-06 5.562E-06 6.290E-06
6.967E-06
     NNE     7.012E-09 1.611E-08 2.696E-08 3.854E-08 3.659E-07 1.488E-06 2.349E-06 3.104E-06 3.788E-06 4.416E-06 5.000E-06
5.545E-06
     NE      6.510E-09 1.476E-08 2.454E-08 3.494E-08 3.293E-07 1.326E-06 2.076E-06 2.726E-06 3.313E-06 3.850E-06 4.348E-06
4.811E-06
     ENE     5.980E-09 1.367E-08 2.284E-08 3.263E-08 3.088E-07 1.244E-06 1.941E-06 2.543E-06 3.083E-06 3.577E-06 4.033E-06
4.457E-06
     E       5.482E-09 1.306E-08 2.229E-08 3.223E-08 3.094E-07 1.256E-06 1.964E-06 2.575E-06 3.123E-06 3.623E-06 4.084E-06
4.512E-06
     ESE     5.157E-09 1.376E-08 2.503E-08 3.753E-08 3.780E-07 1.573E-06 2.466E-06 3.228E-06 3.907E-06 4.523E-06 5.090E-06
5.614E-06
     SE      5.412E-09 1.737E-08 3.494E-08 5.531E-08 5.963E-07 2.590E-06 4.124E-06 5.433E-06 6.599E-06 7.655E-06 8.627E-06
9.524E-06
     SSE     6.451E-09 2.329E-08 4.654E-08 7.323E-08 7.798E-07 3.338E-06 5.292E-06 6.963E-06 8.451E-06 9.798E-06 1.104E-05
1.218E-05
     S       6.879E-09 2.919E-08 6.421E-08 1.051E-07 1.164E-06 5.069E-06 8.073E-06 1.062E-05 1.288E-05 1.491E-05 1.678E-05
1.850E-05
     SSW     8.403E-09 3.928E-08 8.553E-08 1.383E-07 1.502E-06 6.395E-06 1.008E-05 1.317E-05 1.589E-05 1.833E-05 2.056E-05
2.261E-05
     SW      6.639E-09 3.287E-08 7.291E-08 1.186E-07 1.287E-06 5.383E-06 8.345E-06 1.083E-05 1.302E-05 1.500E-05 1.681E-05
1.848E-05
     WSW     4.031E-09 1.661E-08 3.591E-08 5.806E-08 6.287E-07 2.640E-06 4.104E-06 5.342E-06 6.445E-06 7.447E-06 8.371E-06
9.225E-06
     W       4.915E-09 1.578E-08 3.089E-08 4.797E-08 4.978E-07 2.052E-06 3.173E-06 4.122E-06 4.969E-06 5.739E-06 6.450E-06
7.107E-06
     WNW     6.059E-09 1.692E-08 3.141E-08 4.763E-08 4.829E-07 1.981E-06 3.064E-06 3.984E-06 4.806E-06 5.553E-06 6.242E-06
6.880E-06
     NW      7.235E-09 1.842E-08 3.242E-08 4.776E-08 4.695E-07 1.919E-06 2.990E-06 3.912E-06 4.742E-06 5.500E-06 6.202E-06
6.855E-06
     NNW     8.067E-09 1.966E-08 3.374E-08 4.895E-08 4.723E-07 1.919E-06 2.998E-06 3.932E-06 4.773E-06 5.543E-06 6.257E-06
6.922E-06

                TOTAL DOSE COMMITMENT IS 7.185E-04 PERSON-REM/YR

                                         WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                          ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                          FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                          BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                          TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Cell 3 Co    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: CPTP3ICR.MIL                 02/11/08

                             TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	8.781E-08	2.128E-07	3.662E-07	5.325E-07	5.174E-06	2.133E-05	3.366E-05	4.439E-05	5.407E-05	6.293E-05	7.116E-05	7.882E-05
NNE	7.933E-08	1.823E-07	3.051E-07	4.361E-07	4.140E-06	1.684E-05	2.658E-05	3.512E-05	4.286E-05	4.997E-05	5.657E-05	6.274E-05
NE	7.366E-08	1.670E-07	2.777E-07	3.953E-07	3.725E-06	1.500E-05	2.348E-05	3.085E-05	3.749E-05	4.356E-05	4.920E-05	5.443E-05
ENE	6.766E-08	1.546E-07	2.584E-07	3.692E-07	3.493E-06	1.408E-05	2.196E-05	2.877E-05	3.489E-05	4.047E-05	4.563E-05	5.042E-05
E	6.202E-08	1.478E-07	2.522E-07	3.646E-07	3.501E-06	1.421E-05	2.223E-05	2.914E-05	3.534E-05	4.099E-05	4.621E-05	5.105E-05
ESE	5.835E-08	1.557E-07	2.831E-07	4.246E-07	4.276E-06	1.779E-05	2.790E-05	3.652E-05	4.421E-05	5.118E-05	5.759E-05	6.352E-05
SE	6.123E-08	1.965E-07	3.953E-07	6.257E-07	6.747E-06	2.931E-05	4.666E-05	6.147E-05	7.466E-05	8.661E-05	9.760E-05	1.078E-04
SSE	7.299E-08	2.635E-07	5.266E-07	8.286E-07	8.822E-06	3.777E-05	5.988E-05	7.878E-05	9.562E-05	1.109E-04	1.249E-04	1.378E-04
S	7.783E-08	3.302E-07	7.265E-07	1.189E-06	1.317E-05	5.735E-05	9.134E-05	1.202E-04	1.457E-04	1.687E-04	1.898E-04	2.093E-04
SSW	9.507E-08	4.445E-07	9.677E-07	1.565E-06	1.699E-05	7.235E-05	1.140E-04	1.490E-04	1.798E-04	2.074E-04	2.327E-04	2.559E-04
SW	7.512E-08	3.718E-07	8.249E-07	1.342E-06	1.456E-05	6.091E-05	9.441E-05	1.225E-04	1.473E-04	1.697E-04	1.902E-04	2.091E-04
WSW	4.560E-08	1.879E-07	4.063E-07	6.569E-07	7.114E-06	2.987E-05	4.644E-05	6.044E-05	7.292E-05	8.426E-05	9.471E-05	1.044E-04
W	5.561E-08	1.785E-07	3.495E-07	5.428E-07	5.632E-06	2.322E-05	3.590E-05	4.664E-05	5.622E-05	6.494E-05	7.297E-05	8.041E-05
WNW	6.855E-08	1.915E-07	3.553E-07	5.389E-07	5.463E-06	2.241E-05	3.467E-05	4.508E-05	5.438E-05	6.283E-05	7.063E-05	7.784E-05
NW	8.186E-08	2.084E-07	3.668E-07	5.404E-07	5.312E-06	2.171E-05	3.383E-05	4.427E-05	5.366E-05	6.223E-05	7.017E-05	7.755E-05
NNW	9.127E-08	2.224E-07	3.817E-07	5.538E-07	5.344E-06	2.172E-05	3.392E-05	4.448E-05	5.400E-05	6.271E-05	7.080E-05	7.832E-05

TOTAL DOSE COMMITMENT IS 8.129E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.323E-09	1.048E-08	1.803E-08	2.621E-08	2.547E-07	1.050E-06	1.657E-06	2.185E-06	2.662E-06	3.098E-06	3.503E-06	3.880E-06
NNE	3.905E-09	8.974E-09	1.502E-08	2.147E-08	2.038E-07	8.290E-07	1.309E-06	1.729E-06	2.110E-06	2.460E-06	2.785E-06	3.088E-06
NE	3.626E-09	8.223E-09	1.367E-08	1.946E-08	1.834E-07	7.387E-07	1.156E-06	1.519E-06	1.846E-06	2.145E-06	2.422E-06	2.680E-06
ENE	3.331E-09	7.612E-09	1.272E-08	1.817E-08	1.720E-07	6.930E-07	1.081E-06	1.416E-06	1.717E-06	1.992E-06	2.246E-06	2.482E-06
E	3.053E-09	7.277E-09	1.242E-08	1.795E-08	1.724E-07	6.996E-07	1.094E-06	1.434E-06	1.740E-06	2.018E-06	2.275E-06	2.513E-06
ESE	2.872E-09	7.665E-09	1.394E-08	2.090E-08	2.105E-07	8.759E-07	1.373E-06	1.798E-06	2.176E-06	2.519E-06	2.835E-06	3.127E-06
SE	3.014E-09	9.673E-09	1.946E-08	3.081E-08	3.321E-07	1.443E-06	2.297E-06	3.026E-06	3.676E-06	4.264E-06	4.805E-06	5.305E-06
SSE	3.593E-09	1.297E-08	2.592E-08	4.079E-08	4.343E-07	1.859E-06	2.948E-06	3.878E-06	4.707E-06	5.458E-06	6.148E-06	6.786E-06
S	3.831E-09	1.626E-08	3.577E-08	5.853E-08	6.486E-07	2.823E-06	4.497E-06	5.917E-06	7.174E-06	8.306E-06	9.346E-06	1.030E-05
SSW	4.680E-09	2.188E-08	4.764E-08	7.705E-08	8.364E-07	3.562E-06	5.613E-06	7.337E-06	8.852E-06	1.021E-05	1.145E-05	1.260E-05
SW	3.698E-09	1.831E-08	4.061E-08	6.606E-08	7.170E-07	2.998E-06	4.648E-06	6.030E-06	7.251E-06	8.353E-06	9.363E-06	1.029E-05
WSW	2.245E-09	9.252E-09	2.000E-08	3.234E-08	3.502E-07	1.471E-06	2.286E-06	2.975E-06	3.590E-06	4.148E-06	4.662E-06	5.138E-06
W	2.738E-09	8.789E-09	1.721E-08	2.672E-08	2.772E-07	1.143E-06	1.767E-06	2.296E-06	2.768E-06	3.197E-06	3.592E-06	3.959E-06
WNW	3.375E-09	9.426E-09	1.749E-08	2.653E-08	2.690E-07	1.103E-06	1.707E-06	2.219E-06	2.677E-06	3.093E-06	3.477E-06	3.832E-06
NW	4.030E-09	1.026E-08	1.806E-08	2.660E-08	2.615E-07	1.069E-06	1.665E-06	2.179E-06	2.641E-06	3.064E-06	3.455E-06	3.818E-06
NNW	4.493E-09	1.095E-08	1.879E-08	2.727E-08	2.631E-07	1.069E-06	1.670E-06	2.190E-06	2.659E-06	3.087E-06	3.485E-06	3.856E-06

TOTAL DOSE COMMITMENT IS 4.002E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

METSET: DATA: CPTP3ICR.MIL 02/11/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.083E-08	9.895E-08	1.703E-07	2.476E-07	2.406E-06	9.916E-06	1.565E-05	2.064E-05	2.514E-05	2.926E-05	3.309E-05	3.665E-05
NNE	3.689E-08	8.475E-08	1.418E-07	2.028E-07	1.925E-06	7.830E-06	1.236E-05	1.633E-05	1.993E-05	2.323E-05	2.631E-05	2.917E-05
NE	3.425E-08	7.766E-08	1.291E-07	1.838E-07	1.732E-06	6.977E-06	1.092E-05	1.434E-05	1.743E-05	2.025E-05	2.287E-05	2.531E-05
ENE	3.146E-08	7.190E-08	1.201E-07	1.716E-07	1.624E-06	6.545E-06	1.021E-05	1.338E-05	1.622E-05	1.882E-05	2.122E-05	2.344E-05
E	2.884E-08	6.873E-08	1.173E-07	1.695E-07	1.628E-06	6.607E-06	1.033E-05	1.355E-05	1.643E-05	1.906E-05	2.148E-05	2.374E-05
ESE	2.713E-08	7.240E-08	1.316E-07	1.974E-07	1.988E-06	8.273E-06	1.297E-05	1.698E-05	2.056E-05	2.380E-05	2.678E-05	2.953E-05
SE	2.847E-08	9.136E-08	1.838E-07	2.909E-07	3.137E-06	1.363E-05	2.169E-05	2.858E-05	3.471E-05	4.027E-05	4.538E-05	5.010E-05
SSE	3.394E-08	1.225E-07	2.448E-07	3.852E-07	4.102E-06	1.756E-05	2.784E-05	3.663E-05	4.446E-05	5.155E-05	5.807E-05	6.409E-05
S	3.619E-08	1.535E-07	3.378E-07	5.528E-07	6.125E-06	2.666E-05	4.247E-05	5.588E-05	6.775E-05	7.845E-05	8.827E-05	9.732E-05
SSW	4.420E-08	2.067E-07	4.499E-07	7.277E-07	7.900E-06	3.364E-05	5.301E-05	6.929E-05	8.361E-05	9.645E-05	1.082E-04	1.190E-04
SW	3.493E-08	1.729E-07	3.836E-07	6.239E-07	6.771E-06	2.832E-05	4.390E-05	5.695E-05	6.848E-05	7.889E-05	8.843E-05	9.723E-05
WSW	2.120E-08	8.739E-08	1.889E-07	3.054E-07	3.308E-06	1.389E-05	2.159E-05	2.810E-05	3.391E-05	3.918E-05	4.404E-05	4.853E-05
W	2.586E-08	8.301E-08	1.625E-07	2.524E-07	2.619E-06	1.080E-05	1.669E-05	2.168E-05	2.614E-05	3.019E-05	3.393E-05	3.739E-05
WNW	3.187E-08	8.902E-08	1.652E-07	2.506E-07	2.540E-06	1.042E-05	1.612E-05	2.096E-05	2.528E-05	2.921E-05	3.284E-05	3.619E-05
NW	3.806E-08	9.689E-08	1.705E-07	2.513E-07	2.470E-06	1.009E-05	1.573E-05	2.058E-05	2.495E-05	2.893E-05	3.263E-05	3.606E-05
NNW	4.244E-08	1.034E-07	1.775E-07	2.575E-07	2.485E-06	1.010E-05	1.577E-05	2.068E-05	2.511E-05	2.916E-05	3.292E-05	3.642E-05

TOTAL DOSE COMMITMENT IS 3.780E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.491E-04	3.640E-03	5.544E-05	2.730E-03	1.312E-03	8.636E-01
GROUND	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05
CLOUD	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03
VEG. ING	4.378E-03	4.778E-02	4.378E-03	1.666E-02	1.319E-02	4.378E-03
MEAT ING	4.188E-05	4.738E-04	4.188E-05	1.531E-04	1.224E-04	4.188E-05
MILK ING	2.081E-05	1.966E-04	2.081E-05	8.025E-05	6.422E-05	2.081E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.030E-02	5.750E-02	9.903E-03	2.504E-02	2.009E-02	8.734E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.691E-03	9.486E-02	8.691E-03	3.308E-02	2.618E-02	8.691E-03
MEAT ING	6.766E-04	7.655E-03	6.766E-04	2.473E-03	1.978E-03	6.766E-04
MILK ING	3.794E-04	3.583E-03	3.794E-04	1.463E-03	1.171E-03	3.794E-04
RNPLUS50	8.651E-01	1.160E+01	1.899E-01	8.651E-01	8.651E-01	5.486E+00
TOTALS	8.748E-01	1.171E+01	1.996E-01	9.021E-01	8.944E-01	5.496E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.491E-04	3.640E-03	5.544E-05	2.730E-03	1.312E-03	8.636E-01
GROUND	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05	9.975E-05
CLOUD	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03	5.308E-03
VEG. ING	1.307E-02	1.426E-01	1.307E-02	4.975E-02	3.936E-02	1.307E-02
MEAT ING	7.185E-04	8.129E-03	7.185E-04	2.626E-03	2.101E-03	7.185E-04

MILK ING	4.002E-04	3.780E-03	4.002E-04	1.543E-03	1.235E-03	4.002E-04
RNPLUS50	8.651E-01	1.160E+01	1.899E-01	8.651E-01	8.651E-01	5.486E+00
TOTALS	8.851E-01	1.177E+01	2.095E-01	9.271E-01	9.145E-01	6.369E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	CONCENTRATION TOTALS		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            4    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
    CONCENTRATION TOTALS        0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
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TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	2.973E-01	2.972E-01	2.428E-01	2.007E-01	1.270E-06	8.632E-09	1.544E-12	2.285E-06	2.354E-01	2.354E-01	2.354E-01	2.301E-01
2	7.450E-01	7.001E-01	3.473E-01	2.013E-01	3.252E-07	6.155E-10	3.299E-14	3.233E-06	5.545E-01	5.545E-01	5.545E-01	5.889E-02
3	2.558E-01	2.535E-01	1.766E-01	1.354E-01	5.472E-07	2.383E-09	2.788E-13	1.661E-06	2.008E-01	2.008E-01	2.008E-01	9.909E-02
4	5.457E-01	5.260E-01	2.937E-01	1.904E-01	4.086E-07	1.003E-09	6.912E-14	2.741E-06	4.166E-01	4.166E-01	4.166E-01	7.400E-02
5	1.005E-01	1.004E-01	8.534E-02	7.325E-02	6.540E-07	6.384E-09	1.688E-12	8.093E-07	7.955E-02	7.955E-02	7.955E-02	1.184E-01
6	2.894E+00	2.411E+00	7.436E-01	2.554E-01	1.601E-07	1.239E-10	2.819E-15	7.206E-06	1.910E+00	1.910E+00	1.910E+00	2.899E-02
7	4.414E+00	3.908E+00	1.354E+00	4.963E-01	3.366E-07	2.798E-10	6.799E-15	1.274E-05	3.095E+00	3.095E+00	3.095E+00	6.096E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.25E-02	6.85E-04	6.45E-05	3.56E-03	1.38E-03	3.72E-01
INFANT	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
INFANT	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.92E-05	5.79E-05	1.07E-04	1.07E-04	9.47E-05	0.00E+00
INFANT	TOTALS	2.49E-02	3.04E-03	2.47E-03	5.96E-03	3.78E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.24E-02	5.19E-04	3.01E-05	1.58E-03	6.51E-04	3.72E-01
CHILD	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
CHILD	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
CHILD	VEG. ING	1.15E-04	5.23E-04	6.16E-04	6.16E-04	4.53E-04	0.00E+00
CHILD	MEAT ING	3.69E-06	1.67E-05	1.97E-05	1.97E-05	1.45E-05	0.00E+00
CHILD	MILK ING	4.70E-06	2.13E-05	2.51E-05	2.51E-05	1.84E-05	0.00E+00

CHILD	TOTALS	2.48E-02	3.38E-03	2.99E-03	4.54E-03	3.43E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.24E-02	1.28E-03	1.29E-05	6.77E-04	3.25E-04	3.72E-01
TEENAGE	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
TEENAGE	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
TEENAGE	VEG. ING	1.73E-04	2.54E-03	5.49E-04	5.49E-04	4.54E-04	0.00E+00
TEENAGE	MEAT ING	5.42E-06	7.97E-05	1.72E-05	1.72E-05	1.43E-05	0.00E+00
TEENAGE	MILK ING	5.03E-06	7.39E-05	1.60E-05	1.60E-05	1.32E-05	0.00E+00
TEENAGE	TOTALS	2.49E-02	6.27E-03	2.89E-03	3.56E-03	3.11E-03	3.74E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.24E-02	7.53E-04	1.08E-05	5.65E-04	2.71E-04	3.72E-01
ADULT	GROUND	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05	4.25E-05
ADULT	CLOUD	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03
ADULT	VEG. ING	1.04E-04	1.21E-03	3.59E-04	3.59E-04	2.92E-04	0.00E+00
ADULT	MEAT ING	4.15E-06	4.79E-05	1.42E-05	1.42E-05	1.16E-05	0.00E+00
ADULT	MILK ING	1.16E-06	1.34E-05	4.00E-06	4.00E-06	3.26E-06	0.00E+00
ADULT	TOTALS	2.48E-02	4.32E-03	2.69E-03	3.24E-03	2.88E-03	3.74E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.59E-02	1.75E-04	1.63E-05	9.10E-04	3.54E-04	9.31E-01
INFANT	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
INFANT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.49E-06	1.48E-05	2.75E-05	2.75E-05	2.42E-05	0.00E+00
INFANT	TOTALS	5.84E-02	2.70E-03	2.55E-03	3.44E-03	2.88E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.59E-02	1.33E-04	7.62E-06	4.05E-04	1.67E-04	9.31E-01
CHILD	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05

CHILD	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
CHILD	VEG. ING	2.96E-05	1.34E-04	1.58E-04	1.58E-04	1.16E-04	0.00E+00
CHILD	MEAT ING	9.45E-07	4.28E-06	5.05E-06	5.05E-06	3.71E-06	0.00E+00
CHILD	MILK ING	1.20E-06	5.45E-06	6.43E-06	6.43E-06	4.72E-06	0.00E+00
CHILD	TOTALS	5.84E-02	2.78E-03	2.68E-03	3.08E-03	2.80E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.59E-02	3.28E-04	3.26E-06	1.73E-04	8.33E-05	9.31E-01
TEENAGE	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
TEENAGE	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
TEENAGE	VEG. ING	4.42E-05	6.50E-04	1.41E-04	1.41E-04	1.16E-04	0.00E+00
TEENAGE	MEAT ING	1.39E-06	2.04E-05	4.41E-06	4.41E-06	3.65E-06	0.00E+00
TEENAGE	MILK ING	1.29E-06	1.89E-05	4.09E-06	4.09E-06	3.39E-06	0.00E+00
TEENAGE	TOTALS	5.85E-02	3.52E-03	2.66E-03	2.83E-03	2.71E-03	9.34E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.59E-02	1.93E-04	2.72E-06	1.45E-04	6.94E-05	9.31E-01
ADULT	GROUND	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05	9.92E-05
ADULT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
ADULT	VEG. ING	2.67E-05	3.09E-04	9.18E-05	9.18E-05	7.48E-05	0.00E+00
ADULT	MEAT ING	1.06E-06	1.23E-05	3.65E-06	3.65E-06	2.97E-06	0.00E+00
ADULT	MILK ING	2.98E-07	3.44E-06	1.02E-06	1.02E-06	8.33E-07	0.00E+00
ADULT	TOTALS	5.84E-02	3.02E-03	2.61E-03	2.75E-03	2.65E-03	9.34E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.93E-02	2.95E-04	2.76E-05	1.53E-03	5.95E-04	3.20E-01
INFANT	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
INFANT	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.26E-05	2.49E-05	4.63E-05	4.63E-05	4.08E-05	0.00E+00
INFANT	TOTALS	2.09E-02	1.90E-03	1.65E-03	3.15E-03	2.21E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.92E-02	2.24E-04	1.29E-05	6.81E-04	2.80E-04	3.20E-01
CHILD	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
CHILD	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
CHILD	VEG. ING	4.97E-05	2.25E-04	2.65E-04	2.65E-04	1.95E-04	0.00E+00
CHILD	MEAT ING	1.59E-06	7.21E-06	8.49E-06	8.49E-06	6.24E-06	0.00E+00
CHILD	MILK ING	2.03E-06	9.18E-06	1.08E-05	1.08E-05	7.94E-06	0.00E+00
CHILD	TOTALS	2.09E-02	2.04E-03	1.87E-03	2.54E-03	2.07E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.92E-02	5.51E-04	5.53E-06	2.92E-04	1.40E-04	3.20E-01
TEENAGE	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
TEENAGE	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
TEENAGE	VEG. ING	7.44E-05	1.09E-03	2.36E-04	2.36E-04	1.96E-04	0.00E+00
TEENAGE	MEAT ING	2.33E-06	3.43E-05	7.42E-06	7.42E-06	6.14E-06	0.00E+00
TEENAGE	MILK ING	2.16E-06	3.18E-05	6.88E-06	6.88E-06	5.70E-06	0.00E+00
TEENAGE	TOTALS	2.09E-02	3.29E-03	1.83E-03	2.12E-03	1.92E-03	3.21E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.92E-02	3.24E-04	4.60E-06	2.43E-04	1.17E-04	3.20E-01
ADULT	GROUND	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05	3.61E-05
ADULT	CLOUD	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03
ADULT	VEG. ING	4.50E-05	5.20E-04	1.55E-04	1.55E-04	1.26E-04	0.00E+00
ADULT	MEAT ING	1.79E-06	2.06E-05	6.13E-06	6.13E-06	5.00E-06	0.00E+00
ADULT	MILK ING	5.01E-07	5.79E-06	1.72E-06	1.72E-06	1.40E-06	0.00E+00
ADULT	TOTALS	2.08E-02	2.45E-03	1.74E-03	1.98E-03	1.82E-03	3.21E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.10E-02	2.20E-04	2.05E-05	1.14E-03	4.45E-04	6.82E-01
INFANT	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
INFANT	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	9.41E-06	1.86E-05	3.45E-05	3.45E-05	3.05E-05	0.00E+00
INFANT	TOTALS	4.33E-02	2.54E-03	2.36E-03	3.48E-03	2.78E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.10E-02	1.67E-04	9.58E-06	5.08E-04	2.09E-04	6.82E-01
CHILD	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
CHILD	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
CHILD	VEG. ING	3.71E-05	1.68E-04	1.98E-04	1.98E-04	1.46E-04	0.00E+00
CHILD	MEAT ING	1.19E-06	5.38E-06	6.34E-06	6.34E-06	4.66E-06	0.00E+00
CHILD	MILK ING	1.51E-06	6.85E-06	8.08E-06	8.08E-06	5.93E-06	0.00E+00
CHILD	TOTALS	4.33E-02	2.65E-03	2.53E-03	3.02E-03	2.67E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.10E-02	4.12E-04	4.11E-06	2.18E-04	1.05E-04	6.82E-01
TEENAGE	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
TEENAGE	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
TEENAGE	VEG. ING	5.55E-05	8.17E-04	1.77E-04	1.77E-04	1.46E-04	0.00E+00
TEENAGE	MEAT ING	1.74E-06	2.56E-05	5.54E-06	5.54E-06	4.58E-06	0.00E+00
TEENAGE	MILK ING	1.62E-06	2.38E-05	5.14E-06	5.14E-06	4.25E-06	0.00E+00
TEENAGE	TOTALS	4.33E-02	3.58E-03	2.49E-03	2.71E-03	2.56E-03	6.84E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.10E-02	2.42E-04	3.42E-06	1.82E-04	8.72E-05	6.82E-01
ADULT	GROUND	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05	7.46E-05
ADULT	CLOUD	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03	2.23E-03
ADULT	VEG. ING	3.36E-05	3.88E-04	1.15E-04	1.15E-04	9.40E-05	0.00E+00
ADULT	MEAT ING	1.33E-06	1.54E-05	4.58E-06	4.58E-06	3.73E-06	0.00E+00
ADULT	MILK ING	3.74E-07	4.33E-06	1.29E-06	1.29E-06	1.05E-06	0.00E+00
ADULT	TOTALS	4.33E-02	2.95E-03	2.43E-03	2.61E-03	2.49E-03	6.84E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.65E-03	3.53E-04	3.35E-05	1.83E-03	7.12E-04	1.26E-01

INFANT	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
INFANT	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.51E-05	2.98E-05	5.53E-05	5.53E-05	4.88E-05	0.00E+00
INFANT	TOTALS	8.50E-03	1.22E-03	9.22E-04	2.72E-03	1.59E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.59E-03	2.67E-04	1.56E-05	8.14E-04	3.35E-04	1.26E-01
CHILD	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
CHILD	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
CHILD	VEG. ING	5.94E-05	2.69E-04	3.17E-04	3.17E-04	2.33E-04	0.00E+00
CHILD	MEAT ING	1.90E-06	8.61E-06	1.01E-05	1.01E-05	7.46E-06	0.00E+00
CHILD	MILK ING	2.42E-06	1.10E-05	1.29E-05	1.29E-05	9.50E-06	0.00E+00
CHILD	TOTALS	8.49E-03	1.39E-03	1.19E-03	1.99E-03	1.42E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.59E-03	6.59E-04	6.69E-06	3.49E-04	1.67E-04	1.26E-01
TEENAGE	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
TEENAGE	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
TEENAGE	VEG. ING	8.89E-05	1.31E-03	2.83E-04	2.83E-04	2.34E-04	0.00E+00
TEENAGE	MEAT ING	2.79E-06	4.10E-05	8.87E-06	8.87E-06	7.34E-06	0.00E+00
TEENAGE	MILK ING	2.59E-06	3.81E-05	8.23E-06	8.23E-06	6.81E-06	0.00E+00
TEENAGE	TOTALS	8.52E-03	2.88E-03	1.14E-03	1.48E-03	1.25E-03	1.26E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	7.58E-03	3.87E-04	5.58E-06	2.91E-04	1.40E-04	1.26E-01
ADULT	GROUND	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05	1.44E-05
ADULT	CLOUD	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04	8.19E-04
ADULT	VEG. ING	5.38E-05	6.21E-04	1.85E-04	1.85E-04	1.50E-04	0.00E+00
ADULT	MEAT ING	2.13E-06	2.47E-05	7.33E-06	7.33E-06	5.97E-06	0.00E+00
ADULT	MILK ING	5.99E-07	6.92E-06	2.06E-06	2.06E-06	1.68E-06	0.00E+00
ADULT	TOTALS	8.47E-03	1.87E-03	1.03E-03	1.32E-03	1.13E-03	1.26E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.17E-01	8.63E-05	8.01E-06	4.48E-04	1.74E-04	3.62E+00
INFANT	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
INFANT	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.69E-06	7.30E-06	1.35E-05	1.35E-05	1.19E-05	0.00E+00
INFANT	TOTALS	2.21E-01	3.91E-03	3.84E-03	4.28E-03	4.00E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.17E-01	6.54E-05	3.74E-06	1.99E-04	8.20E-05	3.62E+00
CHILD	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
CHILD	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
CHILD	VEG. ING	1.45E-05	6.59E-05	7.77E-05	7.77E-05	5.71E-05	0.00E+00
CHILD	MEAT ING	4.65E-07	2.11E-06	2.48E-06	2.48E-06	1.82E-06	0.00E+00
CHILD	MILK ING	5.93E-07	2.69E-06	3.16E-06	3.16E-06	2.32E-06	0.00E+00
CHILD	TOTALS	2.21E-01	3.95E-03	3.91E-03	4.10E-03	3.96E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.17E-01	1.61E-04	1.60E-06	8.54E-05	4.10E-05	3.62E+00
TEENAGE	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
TEENAGE	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
TEENAGE	VEG. ING	2.18E-05	3.20E-04	6.92E-05	6.92E-05	5.73E-05	0.00E+00
TEENAGE	MEAT ING	6.83E-07	1.00E-05	2.17E-06	2.17E-06	1.80E-06	0.00E+00
TEENAGE	MILK ING	6.33E-07	9.32E-06	2.01E-06	2.01E-06	1.67E-06	0.00E+00
TEENAGE	TOTALS	2.21E-01	4.32E-03	3.89E-03	3.98E-03	3.92E-03	3.62E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.17E-01	9.49E-05	1.34E-06	7.11E-05	3.42E-05	3.62E+00
ADULT	GROUND	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
ADULT	CLOUD	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03	3.48E-03
ADULT	VEG. ING	1.32E-05	1.52E-04	4.52E-05	4.52E-05	3.68E-05	0.00E+00
ADULT	MEAT ING	5.23E-07	6.04E-06	1.79E-06	1.79E-06	1.46E-06	0.00E+00
ADULT	MILK ING	1.47E-07	1.69E-06	5.04E-07	5.04E-07	4.10E-07	0.00E+00
ADULT	TOTALS	2.21E-01	4.07E-03	3.87E-03	3.94E-03	3.89E-03	3.62E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	GROUND	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	CLOUD	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	MILK ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.31E-01	1.81E-04	1.69E-05	9.42E-04	3.66E-04	5.52E+00
INFANT	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
INFANT	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.75E-06	1.53E-05	2.85E-05	2.85E-05	2.51E-05	0.00E+00
INFANT	TOTALS	3.38E-01	7.38E-03	7.23E-03	8.15E-03	7.57E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.31E-01	1.38E-04	7.86E-06	4.19E-04	1.72E-04	5.52E+00
CHILD	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
CHILD	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
CHILD	VEG. ING	3.06E-05	1.39E-04	1.63E-04	1.63E-04	1.20E-04	0.00E+00
CHILD	MEAT ING	9.78E-07	4.43E-06	5.22E-06	5.22E-06	3.84E-06	0.00E+00
CHILD	MILK ING	1.25E-06	5.65E-06	6.65E-06	6.65E-06	4.89E-06	0.00E+00
CHILD	TOTALS	3.38E-01	7.47E-03	7.36E-03	7.77E-03	7.48E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.31E-01	3.39E-04	3.37E-06	1.80E-04	8.62E-05	5.52E+00
TEENAGE	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
TEENAGE	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
TEENAGE	VEG. ING	4.58E-05	6.73E-04	1.45E-04	1.45E-04	1.20E-04	0.00E+00
TEENAGE	MEAT ING	1.44E-06	2.11E-05	4.56E-06	4.56E-06	3.78E-06	0.00E+00
TEENAGE	MILK ING	1.33E-06	1.96E-05	4.23E-06	4.23E-06	3.50E-06	0.00E+00
TEENAGE	TOTALS	3.38E-01	8.23E-03	7.34E-03	7.51E-03	7.39E-03	5.52E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.31E-01	1.99E-04	2.81E-06	1.50E-04	7.18E-05	5.52E+00
ADULT	GROUND	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04	5.53E-04
ADULT	CLOUD	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03	6.63E-03
ADULT	VEG. ING	2.77E-05	3.20E-04	9.51E-05	9.51E-05	7.74E-05	0.00E+00
ADULT	MEAT ING	1.10E-06	1.27E-05	3.77E-06	3.77E-06	3.07E-06	0.00E+00
ADULT	MILK ING	3.08E-07	3.56E-06	1.06E-06	1.06E-06	8.63E-07	0.00E+00
ADULT	TOTALS	3.38E-01	7.72E-03	7.28E-03	7.43E-03	7.33E-03	5.52E+00

0Program execution time = 0.16 seconds

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     JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

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  STABILITY CLASS 3
   1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
   5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
  10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
  15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
  21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
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  STABILITY CLASS 4
   1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
   5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
  10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
  15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
  21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
  28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
  ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
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  STABILITY CLASS 5
   1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
   5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
  10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
  15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
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  STABILITY CLASS 6
   1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
   5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
  10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
  ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
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  ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPTP3R.MIL                   01/27/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Colorado Plateau C CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: CPTP3R.MIL 01/27/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -5.5359E+02 -6.8059E+02 -3.5241E+02 -6.8059E+02 -5.5359E+02 -4.7941E+02 -3.5241E+02 -4.7941E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -5.5359E+02 YS= -6.8059E+02
NODE NO. = 2 XS= -5.5359E+02 YS= -5.8000E+02
NODE NO. = 3 XS= -5.5359E+02 YS= -4.7941E+02
NODE NO. = 4 XS= -4.5300E+02 YS= -6.8059E+02
NODE NO. = 5 XS= -4.5300E+02 YS= -5.8000E+02
NODE NO. = 6 XS= -4.5300E+02 YS= -4.7941E+02
NODE NO. = 7 XS= -3.5241E+02 YS= -6.8059E+02
NODE NO. = 8 XS= -3.5241E+02 YS= -5.8000E+02
NODE NO. = 9 XS= -3.5241E+02 YS= -4.7941E+02

1REGION: 2008- Colorado Plateau C CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: CPTP3R.MIL 01/27/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.45	-0.58	-10.00	0.0405	2.71E-04	4.52E-03	4.52E-03	4.52E-03	1.79E+02	5001	3	0.00E+00	Tailings Cell 3

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	4.20E+01	7.00E+02	7.00E+02	7.00E+02
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.773E-07	6.288E-06	6.288E-06	6.273E-06	2.406E+00	2.230E+00	1.012E+00	5.166E-01	6.101E-07	9.356E-06
2.5	1.694E-07	2.823E-06	2.823E-06	2.817E-06	1.296E+00	1.257E+00	7.259E-01	4.654E-01	8.883E-07	6.710E-06
3.5	9.715E-08	1.619E-06	1.619E-06	1.615E-06	8.419E-01	8.300E-01	5.506E-01	3.986E-01	1.093E-06	5.133E-06
4.5	6.359E-08	1.060E-06	1.060E-06	1.057E-06	6.048E-01	6.006E-01	4.353E-01	3.380E-01	1.236E-06	4.086E-06
7.5	2.771E-08	4.619E-07	4.618E-07	4.608E-07	3.075E-01	3.073E-01	2.557E-01	2.174E-01	1.440E-06	2.424E-06
15.0	9.539E-09	1.590E-07	1.590E-07	1.586E-07	1.231E-01	1.232E-01	1.153E-01	1.063E-01	1.484E-06	1.108E-06
25.0	4.476E-09	7.460E-08	7.460E-08	7.442E-08	6.226E-02	6.229E-02	6.105E-02	5.907E-02	1.405E-06	5.941E-07
35.0	2.717E-09	4.528E-08	4.528E-08	4.517E-08	3.970E-02	3.972E-02	3.950E-02	3.896E-02	1.324E-06	3.865E-07
45.0	1.855E-09	3.091E-08	3.091E-08	3.084E-08	2.829E-02	2.831E-02	2.830E-02	2.816E-02	1.254E-06	2.777E-07
55.0	1.369E-09	2.282E-08	2.282E-08	2.277E-08	2.168E-02	2.169E-02	2.174E-02	2.170E-02	1.194E-06	2.135E-07
65.0	1.048E-09	1.747E-08	1.747E-08	1.743E-08	1.719E-02	1.720E-02	1.726E-02	1.728E-02	1.143E-06	1.697E-07
75.0	8.307E-10	1.384E-08	1.384E-08	1.381E-08	1.407E-02	1.408E-02	1.414E-02	1.417E-02	1.097E-06	1.390E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	6.651E-01	1.109E+01	1.108E+01	1.108E+01	0.000E+00	1.285E+01	1.285E+01	1.285E+01	1.105E-01
2.5	2.805E-01	4.675E+00	4.673E+00	4.673E+00	0.000E+00	5.668E+00	5.668E+00	5.668E+00	1.609E-01
3.5	1.539E-01	2.564E+00	2.563E+00	2.563E+00	0.000E+00	3.221E+00	3.221E+00	3.221E+00	1.980E-01
4.5	9.737E-02	1.623E+00	1.622E+00	1.622E+00	0.000E+00	2.098E+00	2.098E+00	2.098E+00	2.239E-01
7.5	4.022E-02	6.703E-01	6.700E-01	6.700E-01	0.000E+00	9.134E-01	9.134E-01	9.134E-01	2.608E-01
15.0	1.318E-02	2.197E-01	2.196E-01	2.196E-01	0.000E+00	3.172E-01	3.172E-01	3.172E-01	2.688E-01
25.0	5.943E-03	9.904E-02	9.900E-02	9.900E-02	0.000E+00	1.483E-01	1.483E-01	1.483E-01	2.545E-01
35.0	3.438E-03	5.730E-02	5.728E-02	5.728E-02	0.000E+00	8.874E-02	8.874E-02	8.874E-02	2.398E-01
45.0	2.221E-03	3.702E-02	3.700E-02	3.700E-02	0.000E+00	5.942E-02	5.942E-02	5.942E-02	2.272E-01
55.0	1.549E-03	2.582E-02	2.581E-02	2.581E-02	0.000E+00	4.299E-02	4.299E-02	4.299E-02	2.163E-01
65.0	1.114E-03	1.857E-02	1.856E-02	1.856E-02	0.000E+00	3.218E-02	3.218E-02	3.218E-02	2.069E-01
75.0	8.283E-04	1.381E-02	1.380E-02	1.380E-02	0.000E+00	2.495E-02	2.495E-02	2.495E-02	1.987E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.733E-08	2.888E-07	2.888E-07	2.899E-07
2.5	7.306E-09	1.218E-07	1.218E-07	1.242E-07
3.5	4.008E-09	6.679E-08	6.679E-08	6.992E-08
4.5	2.536E-09	4.227E-08	4.227E-08	4.588E-08
7.5	1.048E-09	1.746E-08	1.746E-08	2.174E-08
15.0	3.434E-10	5.723E-09	5.723E-09	1.016E-08
25.0	1.548E-10	2.580E-09	2.580E-09	6.790E-09
35.0	8.955E-11	1.493E-09	1.493E-09	5.462E-09
45.0	5.785E-11	9.642E-10	9.642E-10	4.725E-09
55.0	4.036E-11	6.726E-10	6.726E-10	4.254E-09
65.0	2.902E-11	4.837E-10	4.836E-10	3.910E-09
75.0	2.158E-11	3.596E-10	3.596E-10	3.650E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.970E-07	3.284E-06	3.284E-06	3.276E-06	1.669E+00	1.563E+00	7.497E-01	3.834E-01	4.298E-07	6.841E-06
2.5	8.909E-08	1.485E-06	1.485E-06	1.481E-06	8.997E-01	8.744E-01	5.216E-01	3.355E-01	6.170E-07	4.796E-06
3.5	5.079E-08	8.465E-07	8.465E-07	8.445E-07	5.813E-01	5.736E-01	3.890E-01	2.830E-01	7.532E-07	3.619E-06
4.5	3.305E-08	5.509E-07	5.509E-07	5.496E-07	4.163E-01	4.136E-01	3.044E-01	2.375E-01	8.466E-07	2.855E-06
7.5	1.378E-08	2.297E-07	2.297E-07	2.292E-07	2.093E-01	2.092E-01	1.753E-01	1.497E-01	9.746E-07	1.663E-06
15.0	4.263E-09	7.105E-08	7.105E-08	7.089E-08	8.214E-02	8.218E-02	7.710E-02	7.130E-02	9.890E-07	7.415E-07

25.0	1.816E-09	3.027E-08	3.027E-08	3.020E-08	4.085E-02	4.088E-02	4.009E-02	3.885E-02	9.278E-07	3.902E-07
35.0	1.038E-09	1.731E-08	1.731E-08	1.727E-08	2.574E-02	2.576E-02	2.561E-02	2.527E-02	8.693E-07	2.507E-07
45.0	6.812E-10	1.135E-08	1.135E-08	1.133E-08	1.817E-02	1.818E-02	1.818E-02	1.808E-02	8.198E-07	1.784E-07
55.0	4.898E-10	8.164E-09	8.163E-09	8.145E-09	1.382E-02	1.383E-02	1.386E-02	1.384E-02	7.778E-07	1.361E-07
65.0	3.666E-10	6.110E-09	6.110E-09	6.096E-09	1.089E-02	1.090E-02	1.093E-02	1.094E-02	7.419E-07	1.075E-07
75.0	2.854E-10	4.756E-09	4.756E-09	4.745E-09	8.860E-03	8.865E-03	8.902E-03	8.919E-03	7.105E-07	8.753E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.207E-01	5.345E+00	5.343E+00	5.343E+00	0.000E+00	6.581E+00	6.581E+00	6.581E+00	7.783E-02
2.5	1.335E-01	2.226E+00	2.225E+00	2.225E+00	0.000E+00	2.917E+00	2.917E+00	2.917E+00	1.117E-01
3.5	7.168E-02	1.195E+00	1.194E+00	1.194E+00	0.000E+00	1.648E+00	1.648E+00	1.648E+00	1.364E-01
4.5	4.453E-02	7.421E-01	7.418E-01	7.418E-01	0.000E+00	1.069E+00	1.069E+00	1.069E+00	1.533E-01
7.5	1.701E-02	2.835E-01	2.834E-01	2.834E-01	0.000E+00	4.490E-01	4.490E-01	4.490E-01	1.765E-01
15.0	4.765E-03	7.941E-02	7.938E-02	7.938E-02	0.000E+00	1.445E-01	1.445E-01	1.445E-01	1.791E-01
25.0	1.923E-03	3.205E-02	3.204E-02	3.204E-02	0.000E+00	6.441E-02	6.441E-02	6.441E-02	1.680E-01
35.0	1.055E-03	1.758E-02	1.757E-02	1.757E-02	0.000E+00	3.797E-02	3.797E-02	3.797E-02	1.574E-01
45.0	6.632E-04	1.105E-02	1.105E-02	1.105E-02	0.000E+00	2.545E-02	2.545E-02	2.545E-02	1.485E-01
55.0	4.571E-04	7.618E-03	7.615E-03	7.615E-03	0.000E+00	1.857E-02	1.857E-02	1.857E-02	1.409E-01
65.0	3.265E-04	5.442E-03	5.440E-03	5.440E-03	0.000E+00	1.407E-02	1.407E-02	1.407E-02	1.344E-01
75.0	2.424E-04	4.040E-03	4.038E-03	4.038E-03	0.000E+00	1.106E-02	1.106E-02	1.106E-02	1.287E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	8.354E-09	1.392E-07	1.392E-07	1.402E-07
2.5	3.478E-09	5.797E-08	5.797E-08	5.969E-08
3.5	1.867E-09	3.112E-08	3.112E-08	3.331E-08
4.5	1.160E-09	1.933E-08	1.933E-08	2.183E-08
7.5	4.430E-10	7.384E-09	7.384E-09	1.029E-08
15.0	1.241E-10	2.069E-09	2.069E-09	5.031E-09
25.0	5.009E-11	8.349E-10	8.348E-10	3.616E-09
35.0	2.748E-11	4.579E-10	4.579E-10	3.065E-09
45.0	1.727E-11	2.879E-10	2.879E-10	2.747E-09
55.0	1.191E-11	1.984E-10	1.984E-10	2.531E-09
65.0	8.506E-12	1.418E-10	1.418E-10	2.367E-09
75.0	6.314E-12	1.052E-10	1.052E-10	2.237E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.854E-06	3.090E-05	3.090E-05	3.083E-05	1.564E+01	1.311E+01	3.661E+00	1.064E+00	5.149E-07	3.603E-05
2.5	6.107E-07	1.018E-05	1.018E-05	1.015E-05	6.672E+00	6.300E+00	2.740E+00	1.306E+00	1.373E-06	2.525E-05
3.5	3.045E-07	5.074E-06	5.074E-06	5.063E-06	3.901E+00	3.818E+00	2.090E+00	1.248E+00	2.167E-06	1.918E-05
4.5	1.810E-07	3.017E-06	3.017E-06	3.010E-06	2.601E+00	2.581E+00	1.637E+00	1.107E+00	2.761E-06	1.509E-05
7.5	6.580E-08	1.097E-06	1.097E-06	1.094E-06	1.181E+00	1.181E+00	9.298E-01	7.337E-01	3.668E-06	8.667E-06
15.0	1.789E-08	2.982E-07	2.982E-07	2.975E-07	4.318E-01	4.320E-01	4.001E-01	3.597E-01	3.991E-06	3.816E-06
25.0	6.569E-09	1.095E-07	1.095E-07	1.092E-07	2.047E-01	2.048E-01	2.013E-01	1.947E-01	3.813E-06	1.958E-06
35.0	3.386E-09	5.643E-08	5.643E-08	5.630E-08	1.262E-01	1.262E-01	1.259E-01	1.247E-01	3.585E-06	1.234E-06
45.0	2.047E-09	3.412E-08	3.412E-08	3.404E-08	8.788E-02	8.793E-02	8.812E-02	8.796E-02	3.380E-06	8.654E-07
55.0	1.381E-09	2.301E-08	2.301E-08	2.296E-08	6.622E-02	6.626E-02	6.651E-02	6.657E-02	3.202E-06	6.537E-07
65.0	9.746E-10	1.624E-08	1.624E-08	1.620E-08	5.181E-02	5.184E-02	5.207E-02	5.219E-02	3.048E-06	5.121E-07
75.0	7.209E-10	1.201E-08	1.201E-08	1.199E-08	4.193E-02	4.195E-02	4.215E-02	4.228E-02	2.913E-06	4.146E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.724E+00	4.540E+01	4.538E+01	4.538E+01	0.000E+00	5.576E+01	5.576E+01	5.576E+01	9.325E-02
2.5	6.884E-01	1.147E+01	1.147E+01	1.147E+01	0.000E+00	1.646E+01	1.646E+01	1.646E+01	2.486E-01
3.5	2.899E-01	4.832E+00	4.830E+00	4.830E+00	0.000E+00	7.854E+00	7.854E+00	7.854E+00	3.925E-01
4.5	1.535E-01	2.558E+00	2.557E+00	2.557E+00	0.000E+00	4.601E+00	4.601E+00	4.601E+00	4.999E-01
7.5	4.570E-02	7.617E-01	7.614E-01	7.614E-01	0.000E+00	1.697E+00	1.697E+00	1.697E+00	6.642E-01
15.0	1.035E-02	1.725E-01	1.724E-01	1.724E-01	0.000E+00	5.146E-01	5.146E-01	5.146E-01	7.228E-01
25.0	3.499E-03	5.832E-02	5.830E-02	5.830E-02	0.000E+00	2.205E-01	2.205E-01	2.205E-01	6.905E-01
35.0	1.752E-03	2.920E-02	2.919E-02	2.919E-02	0.000E+00	1.292E-01	1.292E-01	1.292E-01	6.493E-01
45.0	1.042E-03	1.737E-02	1.736E-02	1.736E-02	0.000E+00	8.700E-02	8.700E-02	8.700E-02	6.122E-01
55.0	6.944E-04	1.157E-02	1.157E-02	1.157E-02	0.000E+00	6.405E-02	6.405E-02	6.405E-02	5.799E-01
65.0	4.842E-04	8.071E-03	8.067E-03	8.067E-03	0.000E+00	4.913E-02	4.913E-02	4.913E-02	5.520E-01
75.0	3.538E-04	5.897E-03	5.895E-03	5.895E-03	0.000E+00	3.912E-02	3.912E-02	3.912E-02	5.276E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	7.095E-08	1.183E-06	1.183E-06	1.181E-06
2.5	1.793E-08	2.989E-07	2.989E-07	3.023E-07
3.5	7.552E-09	1.259E-07	1.259E-07	1.321E-07

4.5	3.998E-09	6.663E-08	6.663E-08	7.476E-08
7.5	1.190E-09	1.984E-08	1.984E-08	3.080E-08
15.0	2.696E-10	4.494E-09	4.494E-09	1.646E-08
25.0	9.115E-11	1.519E-09	1.519E-09	1.295E-08
35.0	4.563E-11	7.606E-10	7.605E-10	1.152E-08
45.0	2.715E-11	4.524E-10	4.524E-10	1.059E-08
55.0	1.809E-11	3.015E-10	3.015E-10	9.907E-09
65.0	1.261E-11	2.102E-10	2.102E-10	9.354E-09
75.0	9.217E-12	1.536E-10	1.536E-10	8.893E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	4.901E-06	8.168E-05	8.168E-05	8.149E-05	4.499E+01	3.614E+01	7.796E+00	1.781E+00	6.569E-07	8.340E-05
2.5	1.107E-06	1.846E-05	1.846E-05	1.841E-05	1.243E+01	1.174E+01	4.643E+00	2.013E+00	1.863E-06	4.314E-05
3.5	5.205E-07	8.676E-06	8.675E-06	8.655E-06	6.522E+00	6.378E+00	3.259E+00	1.817E+00	2.901E-06	2.987E-05
4.5	2.925E-07	4.874E-06	4.874E-06	4.863E-06	4.045E+00	4.016E+00	2.444E+00	1.574E+00	3.645E-06	2.240E-05
7.5	1.004E-07	1.673E-06	1.673E-06	1.669E-06	1.690E+00	1.690E+00	1.314E+00	1.012E+00	4.738E-06	1.218E-05
15.0	2.653E-08	4.421E-07	4.421E-07	4.411E-07	5.852E-01	5.855E-01	5.416E-01	4.843E-01	5.040E-06	5.155E-06
25.0	9.589E-09	1.598E-07	1.598E-07	1.594E-07	2.698E-01	2.700E-01	2.657E-01	2.571E-01	4.762E-06	2.584E-06
35.0	4.909E-09	8.181E-08	8.181E-08	8.162E-08	1.642E-01	1.643E-01	1.640E-01	1.625E-01	4.448E-06	1.607E-06
45.0	2.953E-09	4.922E-08	4.922E-08	4.910E-08	1.135E-01	1.135E-01	1.138E-01	1.137E-01	4.173E-06	1.118E-06
55.0	1.982E-09	3.304E-08	3.304E-08	3.296E-08	8.504E-02	8.509E-02	8.542E-02	8.553E-02	3.938E-06	8.397E-07
65.0	1.394E-09	2.323E-08	2.323E-08	2.317E-08	6.626E-02	6.629E-02	6.659E-02	6.676E-02	3.737E-06	6.549E-07
75.0	1.027E-09	1.712E-08	1.712E-08	1.708E-08	5.345E-02	5.347E-02	5.373E-02	5.390E-02	3.562E-06	5.285E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	5.223E+00	8.705E+01	8.702E+01	8.702E+01	0.000E+00	1.156E+02	1.156E+02	1.156E+02	1.190E-01
2.5	9.416E-01	1.569E+01	1.569E+01	1.569E+01	0.000E+00	2.499E+01	2.499E+01	2.499E+01	3.373E-01
3.5	3.965E-01	6.608E+00	6.605E+00	6.605E+00	0.000E+00	1.166E+01	1.166E+01	1.166E+01	5.254E-01

4.5	2.030E-01	3.383E+00	3.381E+00	3.381E+00	0.000E+00	6.562E+00	6.562E+00	6.562E+00	6.601E-01
7.5	5.963E-02	9.939E-01	9.935E-01	9.935E-01	0.000E+00	2.332E+00	2.332E+00	2.332E+00	8.581E-01
15.0	1.388E-02	2.313E-01	2.312E-01	2.312E-01	0.000E+00	6.950E-01	6.950E-01	6.950E-01	9.128E-01
25.0	4.758E-03	7.929E-02	7.926E-02	7.926E-02	0.000E+00	2.931E-01	2.931E-01	2.931E-01	8.624E-01
35.0	2.396E-03	3.993E-02	3.991E-02	3.991E-02	0.000E+00	1.700E-01	1.700E-01	1.700E-01	8.055E-01
45.0	1.426E-03	2.377E-02	2.376E-02	2.376E-02	0.000E+00	1.137E-01	1.137E-01	1.137E-01	7.557E-01
55.0	9.487E-04	1.581E-02	1.581E-02	1.581E-02	0.000E+00	8.320E-02	8.320E-02	8.320E-02	7.131E-01
65.0	6.602E-04	1.100E-02	1.100E-02	1.100E-02	0.000E+00	6.351E-02	6.351E-02	6.351E-02	6.767E-01
75.0	4.812E-04	8.021E-03	8.017E-03	8.017E-03	0.000E+00	5.037E-02	5.037E-02	5.037E-02	6.451E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.361E-07	2.268E-06	2.268E-06	2.264E-06
2.5	2.453E-08	4.088E-07	4.088E-07	4.134E-07
3.5	1.033E-08	1.721E-07	1.721E-07	1.804E-07
4.5	5.287E-09	8.811E-08	8.811E-08	9.884E-08
7.5	1.553E-09	2.589E-08	2.589E-08	4.004E-08
15.0	3.615E-10	6.025E-09	6.025E-09	2.113E-08
25.0	1.239E-10	2.065E-09	2.065E-09	1.635E-08
35.0	6.240E-11	1.040E-09	1.040E-09	1.438E-08
45.0	3.715E-11	6.192E-10	6.192E-10	1.314E-08
55.0	2.471E-11	4.119E-10	4.119E-10	1.222E-08
65.0	1.720E-11	2.866E-10	2.866E-10	1.150E-08
75.0	1.254E-11	2.089E-10	2.089E-10	1.089E-08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.969E-07	4.949E-06	4.949E-06	4.937E-06	4.691E+00	4.452E+00	1.812E+00	6.475E-01	3.827E-07	1.619E-05
2.5	6.568E-08	1.095E-06	1.095E-06	1.092E-06	1.759E+00	1.737E+00	1.082E+00	6.106E-01	7.442E-07	9.553E-06
3.5	3.052E-08	5.087E-07	5.087E-07	5.075E-07	9.722E-01	9.689E-01	7.355E-01	5.254E-01	1.043E-06	6.687E-06
4.5	1.799E-08	2.999E-07	2.999E-07	2.992E-07	6.423E-01	6.417E-01	5.385E-01	4.363E-01	1.260E-06	5.018E-06
7.5	6.776E-09	1.129E-07	1.129E-07	1.127E-07	2.909E-01	2.910E-01	2.727E-01	2.532E-01	1.568E-06	2.627E-06
15.0	2.162E-09	3.603E-08	3.603E-08	3.595E-08	1.076E-01	1.076E-01	1.061E-01	1.037E-01	1.616E-06	1.036E-06
25.0	9.626E-10	1.604E-08	1.604E-08	1.601E-08	5.193E-02	5.196E-02	5.198E-02	5.175E-02	1.499E-06	5.101E-07

35.0	5.703E-10	9.505E-09	9.505E-09	9.483E-09	3.232E-02	3.234E-02	3.245E-02	3.249E-02	1.391E-06	3.190E-07
45.0	3.836E-10	6.394E-09	6.394E-09	6.379E-09	2.264E-02	2.265E-02	2.275E-02	2.281E-02	1.304E-06	2.238E-07
55.0	2.802E-10	4.670E-09	4.670E-09	4.659E-09	1.711E-02	1.712E-02	1.720E-02	1.726E-02	1.232E-06	1.692E-07
65.0	2.124E-10	3.540E-09	3.540E-09	3.532E-09	1.341E-02	1.341E-02	1.348E-02	1.352E-02	1.172E-06	1.326E-07
75.0	1.667E-10	2.778E-09	2.778E-09	2.772E-09	1.085E-02	1.086E-02	1.091E-02	1.095E-02	1.119E-06	1.073E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.148E-01	6.913E+00	6.910E+00	6.910E+00	0.000E+00	1.044E+01	1.044E+01	1.044E+01	6.931E-02
2.5	7.539E-02	1.257E+00	1.256E+00	1.256E+00	0.000E+00	2.632E+00	2.632E+00	2.632E+00	1.348E-01
3.5	3.308E-02	5.514E-01	5.511E-01	5.511E-01	0.000E+00	1.319E+00	1.319E+00	1.319E+00	1.888E-01
4.5	1.891E-02	3.152E-01	3.151E-01	3.151E-01	0.000E+00	8.234E-01	8.234E-01	8.234E-01	2.282E-01
7.5	6.926E-03	1.154E-01	1.154E-01	1.154E-01	0.000E+00	3.459E-01	3.459E-01	3.459E-01	2.840E-01
15.0	2.226E-03	3.711E-02	3.709E-02	3.709E-02	0.000E+00	1.224E-01	1.224E-01	1.224E-01	2.927E-01
25.0	9.828E-04	1.638E-02	1.637E-02	1.637E-02	0.000E+00	5.752E-02	5.752E-02	5.752E-02	2.714E-01
35.0	5.644E-04	9.407E-03	9.403E-03	9.403E-03	0.000E+00	3.501E-02	3.501E-02	3.501E-02	2.520E-01
45.0	3.639E-04	6.065E-03	6.062E-03	6.062E-03	0.000E+00	2.400E-02	2.400E-02	2.400E-02	2.362E-01
55.0	2.539E-04	4.231E-03	4.229E-03	4.229E-03	0.000E+00	1.779E-02	1.779E-02	1.779E-02	2.232E-01
65.0	1.829E-04	3.048E-03	3.047E-03	3.047E-03	0.000E+00	1.367E-02	1.367E-02	1.367E-02	2.122E-01
75.0	1.363E-04	2.271E-03	2.270E-03	2.270E-03	0.000E+00	1.087E-02	1.087E-02	1.087E-02	2.027E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.080E-08	1.801E-07	1.801E-07	1.808E-07
2.5	1.964E-09	3.273E-08	3.273E-08	3.489E-08
3.5	8.617E-10	1.436E-08	1.436E-08	1.746E-08
4.5	4.926E-10	8.211E-09	8.210E-09	1.197E-08
7.5	1.804E-10	3.007E-09	3.007E-09	7.704E-09
15.0	5.799E-11	9.666E-10	9.666E-10	5.813E-09
25.0	2.560E-11	4.267E-10	4.267E-10	4.921E-09
35.0	1.470E-11	2.450E-10	2.450E-10	4.418E-09
45.0	9.479E-12	1.580E-10	1.580E-10	4.070E-09
55.0	6.613E-12	1.102E-10	1.102E-10	3.807E-09
65.0	4.764E-12	7.940E-11	7.939E-11	3.594E-09
75.0	3.550E-12	5.916E-11	5.916E-11	3.417E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.273E-03	0.000E+00	0.000E+00	2.121E-04	0.000E+00	0.000E+00	0.000E+00	3.765E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.002E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.268E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.333E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.649E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.105E-05	1.275E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.882E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.344E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.428E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.416E-05	0.000E+00	2.193E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.775E-07	0.000E+00	0.000E+00	1.227E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.273E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.575E-02	0.000E+00	0.000E+00	2.054E-03	0.000E+00	0.000E+00	0.000E+00	3.317E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.103E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.570E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.985E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.632E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.375E-04	1.095E-04	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.308E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.768E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.322E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.322E-04	0.000E+00	1.801E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.181E-06	0.000E+00	0.000E+00	1.010E-04
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.547E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.987E-03	0.000E+00	0.000E+00	1.534E-04	0.000E+00	0.000E+00	0.000E+00	1.656E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.199E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.973E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.237E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.932E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.783E-05	4.600E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.049E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.702E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.023E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.460E-05	0.000E+00	4.327E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.354E-07	0.000E+00	0.000E+00	2.453E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.859E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.055E+00 0.000E+00 0.000E+00 8.638E-02 0.000E+00 0.000E+00 0.000E+00
8.118E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.259E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.404E-02 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.661E-02
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.463E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.963E-02 4.839E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.839E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.861E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.012E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.693E-02 0.000E+00
4.095E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.769E-04 0.000E+00 0.000E+00
1.998E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.727E+00 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPTP3R.MIL                   01/27/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.783E-04 0.000E+00 0.000E+00 3.416E-05 0.000E+00 0.000E+00 0.000E+00
2.564E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.040E-06 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.502E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.346E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.180E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.288E-06 8.371E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.982E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.200E-06
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.628E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.613E-06 0.000E+00
6.452E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.046E-08 0.000E+00 0.000E+00
3.626E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 7.278E-04 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPTP3R.MIL                   01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                  XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.999E-03 0.000E+00 0.000E+00 7.266E-04 0.000E+00 0.000E+00 0.000E+00
7.136E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.818E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.229E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.465E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.993E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.541E-04 4.215E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.160E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
6.942E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.482E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.494E-04 0.000E+00
3.617E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.442E-06 0.000E+00 0.000E+00
1.765E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 1.061E-02 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: CPTP3R.MIL                   01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       5.720E-05 4.070E-05 3.189E-05 2.671E-05 1.027E-04 1.814E-04 1.930E-04 2.114E-04 2.309E-04 2.510E-04 2.701E-04
2.889E-04
     NNE     5.772E-05 4.524E-05 3.714E-05 3.175E-05 1.210E-04 1.934E-04 1.878E-04 1.950E-04 2.057E-04 2.185E-04 2.311E-04
2.439E-04
     NE      4.327E-05 3.266E-05 2.634E-05 2.234E-05 8.438E-05 1.377E-04 1.401E-04 1.507E-04 1.631E-04 1.763E-04 1.890E-04
2.016E-04
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     ENE     3.381E-05 2.420E-05 1.900E-05 1.590E-05 5.964E-05 1.020E-04 1.100E-04 1.233E-04 1.373E-04 1.514E-04 1.648E-04
1.776E-04
     E       2.764E-05 1.953E-05 1.512E-05 1.260E-05 4.766E-05 8.647E-05 9.891E-05 1.148E-04 1.307E-04 1.461E-04 1.607E-04
1.745E-04
     ESE     2.653E-05 1.807E-05 1.308E-05 1.063E-05 4.119E-05 8.654E-05 1.097E-04 1.330E-04 1.548E-04 1.753E-04 1.943E-04
2.121E-04
     SE      2.769E-05 2.392E-05 2.060E-05 1.810E-05 7.375E-05 1.489E-04 1.847E-04 2.233E-04 2.603E-04 2.954E-04 3.280E-04
3.585E-04
     SSE     7.517E-05 6.070E-05 4.469E-05 3.573E-05 1.235E-04 2.126E-04 2.451E-04 2.904E-04 3.360E-04 3.799E-04 4.210E-04
4.597E-04
     S       2.333E-04 9.928E-05 6.021E-05 4.323E-05 1.402E-04 2.730E-04 3.436E-04 4.214E-04 4.953E-04 5.644E-04 6.284E-04
6.882E-04
     SSW     4.473E-04 1.358E-04 8.228E-05 5.716E-05 1.824E-04 3.516E-04 4.347E-04 5.272E-04 6.150E-04 6.970E-04 7.728E-04
8.435E-04
     SW      1.897E-04 5.480E-05 3.480E-05 2.578E-05 1.016E-04 2.512E-04 3.378E-04 4.191E-04 4.936E-04 5.622E-04 6.255E-04
6.843E-04
     WSW     3.475E-05 1.345E-05 9.887E-06 8.415E-06 4.180E-05 1.199E-04 1.665E-04 2.080E-04 2.458E-04 2.806E-04 3.127E-04
3.427E-04
     W       3.567E-05 1.133E-05 7.728E-06 6.602E-06 3.294E-05 9.372E-05 1.295E-04 1.612E-04 1.901E-04 2.168E-04 2.414E-04
2.644E-04
     WNW     4.200E-05 2.189E-05 1.339E-05 1.023E-05 4.090E-05 9.925E-05 1.309E-04 1.603E-04 1.874E-04 2.126E-04 2.360E-04
2.579E-04
     NW      3.906E-05 2.507E-05 1.812E-05 1.486E-05 5.966E-05 1.246E-04 1.499E-04 1.755E-04 2.001E-04 2.236E-04 2.456E-04
2.665E-04
     NNW     4.863E-05 3.190E-05 2.347E-05 1.916E-05 7.484E-05 1.474E-04 1.689E-04 1.919E-04 2.144E-04 2.365E-04 2.572E-04
2.772E-04

                TOTAL DOSE COMMITMENT IS 3.374E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
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                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       6.827E-04 4.853E-04 3.796E-04 3.172E-04 1.209E-03 2.096E-03 2.194E-03 2.377E-03 2.579E-03 2.789E-03 2.991E-03
3.190E-03
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NNE	6.889E-04	5.397E-04	4.424E-04	3.777E-04	1.431E-03	2.254E-03	2.155E-03	2.213E-03	2.315E-03	2.444E-03	2.573E-03	2.706E-03
NE	5.164E-04	3.894E-04	3.136E-04	2.655E-04	9.952E-04	1.595E-03	1.596E-03	1.698E-03	1.824E-03	1.962E-03	2.095E-03	2.227E-03
ENE	4.034E-04	2.884E-04	2.260E-04	1.887E-04	7.006E-04	1.172E-03	1.241E-03	1.377E-03	1.525E-03	1.675E-03	1.817E-03	1.955E-03
E	3.299E-04	2.327E-04	1.797E-04	1.493E-04	5.576E-04	9.856E-04	1.108E-03	1.274E-03	1.444E-03	1.610E-03	1.766E-03	1.915E-03
ESE	3.166E-04	2.153E-04	1.553E-04	1.255E-04	4.777E-04	9.746E-04	1.218E-03	1.467E-03	1.703E-03	1.924E-03	2.130E-03	2.323E-03
SE	3.304E-04	2.850E-04	2.447E-04	2.140E-04	8.584E-04	1.682E-03	2.051E-03	2.463E-03	2.862E-03	3.241E-03	3.594E-03	3.926E-03
SSE	8.974E-04	7.240E-04	5.319E-04	4.240E-04	1.445E-03	2.415E-03	2.730E-03	3.208E-03	3.697E-03	4.171E-03	4.615E-03	5.035E-03
S	2.786E-03	1.184E-03	7.166E-04	5.123E-04	1.630E-03	3.070E-03	3.802E-03	4.636E-03	5.434E-03	6.182E-03	6.878E-03	7.527E-03
SSW	5.341E-03	1.620E-03	9.793E-04	6.773E-04	2.122E-03	3.960E-03	4.814E-03	5.804E-03	6.750E-03	7.638E-03	8.460E-03	9.227E-03
SW	2.264E-03	6.532E-04	4.128E-04	3.033E-04	1.165E-03	2.798E-03	3.721E-03	4.600E-03	5.408E-03	6.153E-03	6.842E-03	7.481E-03
WSW	4.148E-04	1.600E-04	1.167E-04	9.831E-05	4.757E-04	1.333E-03	1.835E-03	2.285E-03	2.694E-03	3.072E-03	3.422E-03	3.747E-03
W	4.258E-04	1.347E-04	9.113E-05	7.704E-05	3.747E-04	1.043E-03	1.427E-03	1.771E-03	2.085E-03	2.374E-03	2.642E-03	2.892E-03
WNW	5.013E-04	2.608E-04	1.587E-04	1.203E-04	4.703E-04	1.111E-03	1.448E-03	1.765E-03	2.058E-03	2.332E-03	2.586E-03	2.823E-03
NW	4.662E-04	2.987E-04	2.151E-04	1.757E-04	6.948E-04	1.416E-03	1.678E-03	1.950E-03	2.212E-03	2.464E-03	2.701E-03	2.926E-03
NNW	5.804E-04	3.802E-04	2.789E-04	2.269E-04	8.760E-04	1.688E-03	1.905E-03	2.145E-03	2.382E-03	2.617E-03	2.838E-03	3.051E-03

TOTAL DOSE COMMITMENT IS 3.760E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       2.833E-06 2.019E-06 1.585E-06 1.332E-06 5.176E-06 9.355E-06 1.015E-05 1.124E-05 1.238E-05 1.353E-05 1.463E-05
1.569E-05
     NNE     2.859E-06 2.243E-06 1.844E-06 1.580E-06 6.064E-06 9.869E-06 9.767E-06 1.027E-05 1.094E-05 1.170E-05 1.244E-05
1.318E-05
     NE      2.143E-06 1.620E-06 1.309E-06 1.113E-06 4.243E-06 7.082E-06 7.350E-06 8.004E-06 8.734E-06 9.496E-06 1.022E-05
1.094E-05
     ENE     1.675E-06 1.201E-06 9.451E-07 7.939E-07 3.014E-06 5.298E-06 5.834E-06 6.610E-06 7.413E-06 8.209E-06 8.961E-06
9.681E-06
     E       1.370E-06 9.693E-07 7.530E-07 6.304E-07 2.421E-06 4.531E-06 5.288E-06 6.194E-06 7.090E-06 7.956E-06 8.769E-06
9.538E-06
     ESE     1.314E-06 8.973E-07 6.526E-07 5.338E-07 2.114E-06 4.597E-06 5.922E-06 7.227E-06 8.443E-06 9.579E-06 1.063E-05
1.162E-05
     SE      1.372E-06 1.188E-06 1.027E-06 9.069E-07 3.770E-06 7.890E-06 9.963E-06 1.214E-05 1.420E-05 1.615E-05 1.796E-05
1.965E-05
     SSE     3.723E-06 3.010E-06 2.222E-06 1.784E-06 6.267E-06 1.119E-05 1.319E-05 1.576E-05 1.832E-05 2.076E-05 2.304E-05
2.519E-05
     S       1.155E-05 4.921E-06 2.994E-06 2.161E-06 7.172E-06 1.452E-05 1.862E-05 2.298E-05 2.709E-05 3.091E-05 3.445E-05
3.775E-05
     SSW     2.214E-05 6.730E-06 4.090E-06 2.857E-06 9.328E-06 1.868E-05 2.353E-05 2.873E-05 3.361E-05 3.816E-05 4.236E-05
4.626E-05
     SW      9.390E-06 2.720E-06 1.737E-06 1.300E-06 5.287E-06 1.351E-05 1.838E-05 2.291E-05 2.703E-05 3.082E-05 3.432E-05
3.756E-05
     WSW     1.721E-06 6.692E-07 4.966E-07 4.282E-07 2.195E-06 6.460E-06 9.059E-06 1.136E-05 1.345E-05 1.537E-05 1.715E-05
1.880E-05
     W       1.767E-06 5.640E-07 3.887E-07 3.364E-07 1.730E-06 5.049E-06 7.041E-06 8.803E-06 1.040E-05 1.187E-05 1.324E-05
1.450E-05
     WNW     2.081E-06 1.087E-06 6.692E-07 5.158E-07 2.121E-06 5.308E-06 7.089E-06 8.727E-06 1.023E-05 1.163E-05 1.293E-05
1.414E-05
     NW      1.935E-06 1.245E-06 9.034E-07 7.452E-07 3.047E-06 6.551E-06 8.014E-06 9.468E-06 1.085E-05 1.216E-05 1.339E-05
1.456E-05
     NNW     2.409E-06 1.583E-06 1.168E-06 9.582E-07 3.799E-06 7.678E-06 8.958E-06 1.028E-05 1.157E-05 1.281E-05 1.398E-05
1.510E-05

                TOTAL DOSE COMMITMENT IS 1.813E-03 PERSON-REM/YR

                                         WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                          ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                          FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                          BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                          TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: CPTP3R.MIL                   01/27/08

                              TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                             DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.486E-05	2.481E-05	1.945E-05	1.630E-05	6.280E-05	1.114E-04	1.190E-04	1.306E-04	1.429E-04	1.555E-04	1.675E-04	1.793E-04
NNE	3.517E-05	2.758E-05	2.264E-05	1.937E-05	7.391E-05	1.185E-04	1.155E-04	1.203E-04	1.271E-04	1.352E-04	1.431E-04	1.512E-04
NE	2.637E-05	1.991E-05	1.606E-05	1.363E-05	5.157E-05	8.453E-05	8.634E-05	9.309E-05	1.009E-04	1.092E-04	1.172E-04	1.250E-04
ENE	2.060E-05	1.475E-05	1.159E-05	9.706E-06	3.648E-05	6.273E-05	6.794E-05	7.630E-05	8.511E-05	9.392E-05	1.023E-04	1.103E-04
E	1.685E-05	1.191E-05	9.224E-06	7.695E-06	2.918E-05	5.327E-05	6.117E-05	7.111E-05	8.106E-05	9.072E-05	9.981E-05	1.084E-04
ESE	1.617E-05	1.102E-05	7.982E-06	6.495E-06	2.527E-05	5.346E-05	6.799E-05	8.253E-05	9.615E-05	1.089E-04	1.207E-04	1.318E-04
SE	1.687E-05	1.459E-05	1.257E-05	1.105E-05	4.522E-05	9.196E-05	1.144E-04	1.386E-04	1.617E-04	1.835E-04	2.038E-04	2.229E-04
SSE	4.581E-05	3.700E-05	2.725E-05	2.181E-05	7.559E-05	1.311E-04	1.518E-04	1.802E-04	2.087E-04	2.360E-04	2.616E-04	2.858E-04
S	1.422E-04	6.051E-05	3.672E-05	2.639E-05	8.596E-05	1.687E-04	2.131E-04	2.617E-04	3.078E-04	3.508E-04	3.907E-04	4.279E-04
SSW	2.725E-04	8.275E-05	5.017E-05	3.489E-05	1.118E-04	2.172E-04	2.695E-04	3.274E-04	3.821E-04	4.332E-04	4.804E-04	5.244E-04
SW	1.156E-04	3.341E-05	2.124E-05	1.576E-05	6.250E-05	1.556E-04	2.097E-04	2.604E-04	3.068E-04	3.495E-04	3.889E-04	4.255E-04
WSW	2.118E-05	8.203E-06	6.041E-06	5.154E-06	2.576E-05	7.426E-05	1.033E-04	1.292E-04	1.528E-04	1.744E-04	1.944E-04	2.131E-04
W	2.174E-05	6.911E-06	4.723E-06	4.045E-06	2.030E-05	5.806E-05	8.035E-05	1.001E-04	1.181E-04	1.347E-04	1.501E-04	1.644E-04
WNW	2.560E-05	1.335E-05	8.174E-06	6.254E-06	2.514E-05	6.139E-05	8.116E-05	9.950E-05	1.164E-04	1.321E-04	1.467E-04	1.604E-04
NW	2.381E-05	1.528E-05	1.105E-05	9.077E-06	3.657E-05	7.682E-05	9.270E-05	1.088E-04	1.241E-04	1.388E-04	1.525E-04	1.656E-04
NNW	2.964E-05	1.945E-05	1.431E-05	1.170E-05	4.582E-05	9.068E-05	1.043E-04	1.188E-04	1.329E-04	1.467E-04	1.596E-04	1.721E-04

TOTAL DOSE COMMITMENT IS 2.089E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.751E-06	1.949E-06	1.516E-06	1.257E-06	4.656E-06	7.535E-06	7.399E-06	7.677E-06	8.071E-06	8.539E-06	8.998E-06	9.469E-06
NNE	2.776E-06	2.169E-06	1.772E-06	1.505E-06	5.596E-06	8.365E-06	7.550E-06	7.412E-06	7.492E-06	7.707E-06	7.939E-06	8.211E-06
NE	2.080E-06	1.564E-06	1.253E-06	1.054E-06	3.855E-06	5.788E-06	5.425E-06	5.519E-06	5.742E-06	6.036E-06	6.331E-06	6.638E-06
ENE	1.625E-06	1.157E-06	9.006E-07	7.453E-07	2.676E-06	4.120E-06	4.061E-06	4.316E-06	4.647E-06	5.011E-06	5.363E-06	5.712E-06
E	1.328E-06	9.324E-07	7.142E-07	5.866E-07	2.098E-06	3.364E-06	3.510E-06	3.884E-06	4.300E-06	4.727E-06	5.134E-06	5.526E-06
ESE	1.275E-06	8.617E-07	6.142E-07	4.882E-07	1.743E-06	3.165E-06	3.710E-06	4.345E-06	4.964E-06	5.556E-06	6.109E-06	6.631E-06
SE	1.330E-06	1.141E-06	9.703E-07	8.365E-07	3.172E-06	5.521E-06	6.262E-06	7.287E-06	8.328E-06	9.342E-06	1.029E-05	1.119E-05
SSE	3.617E-06	2.909E-06	2.123E-06	1.675E-06	5.450E-06	8.112E-06	8.430E-06	9.545E-06	1.079E-05	1.205E-05	1.323E-05	1.437E-05
S	1.124E-05	4.764E-06	2.860E-06	2.015E-06	6.009E-06	9.914E-06	1.140E-05	1.352E-05	1.564E-05	1.766E-05	1.956E-05	2.134E-05
SSW	2.154E-05	6.516E-06	3.909E-06	2.665E-06	7.825E-06	1.285E-05	1.450E-05	1.698E-05	1.948E-05	2.187E-05	2.410E-05	2.619E-05
SW	9.132E-06	2.619E-06	1.629E-06	1.165E-06	4.067E-06	8.655E-06	1.094E-05	1.327E-05	1.546E-05	1.750E-05	1.940E-05	2.116E-05
WSW	1.672E-06	6.374E-07	4.534E-07	3.683E-07	1.612E-06	4.089E-06	5.399E-06	6.611E-06	7.726E-06	8.761E-06	9.720E-06	1.062E-05
W	1.715E-06	5.357E-07	3.526E-07	2.874E-07	1.269E-06	3.204E-06	4.210E-06	5.135E-06	5.986E-06	6.778E-06	7.512E-06	8.199E-06
WNW	2.020E-06	1.044E-06	6.250E-07	4.623E-07	1.662E-06	3.516E-06	4.348E-06	5.177E-06	5.958E-06	6.697E-06	7.385E-06	8.033E-06
NW	1.877E-06	1.196E-06	8.521E-07	6.854E-07	2.574E-06	4.778E-06	5.310E-06	5.957E-06	6.609E-06	7.259E-06	7.871E-06	8.461E-06
NNW	2.337E-06	1.524E-06	1.109E-06	8.916E-07	3.303E-06	5.873E-06	6.221E-06	6.735E-06	7.282E-06	7.853E-06	8.396E-06	8.933E-06

TOTAL DOSE COMMITMENT IS 1.166E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: CPTP3R.MIL 01/27/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.829E-05	2.706E-05	2.096E-05	1.727E-05	6.258E-05	9.556E-05	8.822E-05	8.735E-05	8.856E-05	9.116E-05	9.392E-05	9.710E-05
NNE	3.864E-05	3.014E-05	2.455E-05	2.078E-05	7.614E-05	1.091E-04	9.344E-05	8.776E-05	8.545E-05	8.529E-05	8.562E-05	8.668E-05
NE	2.895E-05	2.172E-05	1.734E-05	1.451E-05	5.206E-05	7.401E-05	6.521E-05	6.327E-05	6.343E-05	6.485E-05	6.646E-05	6.844E-05
ENE	2.261E-05	1.605E-05	1.243E-05	1.022E-05	3.574E-05	5.118E-05	4.688E-05	4.742E-05	4.933E-05	5.193E-05	5.456E-05	5.730E-05
E	1.848E-05	1.293E-05	9.839E-06	8.012E-06	2.769E-05	4.058E-05	3.909E-05	4.123E-05	4.429E-05	4.775E-05	5.110E-05	5.444E-05
ESE	1.774E-05	1.194E-05	8.432E-06	6.614E-06	2.239E-05	3.623E-05	3.937E-05	4.440E-05	4.962E-05	5.480E-05	5.967E-05	6.432E-05
SE	1.851E-05	1.582E-05	1.334E-05	1.138E-05	4.122E-05	6.397E-05	6.663E-05	7.436E-05	8.303E-05	9.188E-05	1.003E-04	1.083E-04
SSE	5.037E-05	4.042E-05	2.935E-05	2.297E-05	7.203E-05	9.634E-05	9.099E-05	9.818E-05	1.081E-04	1.188E-04	1.292E-04	1.392E-04
S	1.565E-04	6.623E-05	3.952E-05	2.755E-05	7.790E-05	1.128E-04	1.185E-04	1.352E-04	1.535E-04	1.716E-04	1.886E-04	2.048E-04
SSW	3.001E-04	9.058E-05	5.403E-05	3.643E-05	1.015E-04	1.471E-04	1.517E-04	1.708E-04	1.919E-04	2.130E-04	2.329E-04	2.518E-04
SW	1.272E-04	3.632E-05	2.233E-05	1.564E-05	5.020E-05	9.362E-05	1.106E-04	1.308E-04	1.503E-04	1.689E-04	1.861E-04	2.024E-04
WSW	2.327E-05	8.798E-06	6.137E-06	4.841E-06	1.932E-05	4.377E-05	5.470E-05	6.540E-05	7.541E-05	8.482E-05	9.358E-05	1.018E-04
W	2.388E-05	7.385E-06	4.758E-06	3.764E-06	1.519E-05	3.438E-05	4.280E-05	5.094E-05	5.856E-05	6.574E-05	7.242E-05	7.870E-05
WNW	2.811E-05	1.446E-05	8.552E-06	6.202E-06	2.074E-05	3.908E-05	4.526E-05	5.220E-05	5.899E-05	6.554E-05	7.168E-05	7.751E-05
NW	2.612E-05	1.657E-05	1.171E-05	9.311E-06	3.352E-05	5.697E-05	5.904E-05	6.343E-05	6.837E-05	7.363E-05	7.866E-05	8.361E-05
NNW	3.253E-05	2.114E-05	1.528E-05	1.218E-05	4.366E-05	7.224E-05	7.169E-05	7.418E-05	7.759E-05	8.169E-05	8.570E-05	8.985E-05

TOTAL DOSE COMMITMENT IS 1.266E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.273E-03	2.547E-02	2.859E-03	6.601E-03	3.464E-03	1.727E+00
GROUND	7.278E-04	7.278E-04	7.278E-04	7.278E-04	7.278E-04	7.278E-04
CLOUD	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02
VEG. ING	1.130E-02	1.260E-01	1.130E-02	4.099E-02	3.250E-02	1.130E-02
MEAT ING	1.057E-04	1.218E-03	1.057E-04	3.755E-04	3.007E-04	1.057E-04
MILK ING	6.067E-05	6.584E-04	6.067E-05	1.992E-04	1.611E-04	6.067E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.508E-02	1.647E-01	2.567E-02	5.950E-02	4.777E-02	1.750E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	2.244E-02	2.501E-01	2.244E-02	8.136E-02	6.452E-02	2.244E-02
MEAT ING	1.708E-03	1.967E-02	1.708E-03	6.066E-03	4.858E-03	1.708E-03
MILK ING	1.106E-03	1.200E-02	1.106E-03	3.632E-03	2.937E-03	1.106E-03
RNPLUS50	1.730E+00	2.321E+01	3.798E-01	1.730E+00	1.730E+00	1.097E+01
TOTALS	1.756E+00	2.349E+01	4.051E-01	1.821E+00	1.803E+00	1.100E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.273E-03	2.547E-02	2.859E-03	6.601E-03	3.464E-03	1.727E+00
GROUND	7.278E-04	7.278E-04	7.278E-04	7.278E-04	7.278E-04	7.278E-04
CLOUD	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02	1.061E-02
VEG. ING	3.374E-02	3.760E-01	3.374E-02	1.224E-01	9.703E-02	3.374E-02
MEAT ING	1.813E-03	2.089E-02	1.813E-03	6.441E-03	5.159E-03	1.813E-03

MILK ING	1.166E-03	1.266E-02	1.166E-03	3.831E-03	3.098E-03	1.166E-03
RNPLUS50	1.730E+00	2.321E+01	3.798E-01	1.730E+00	1.730E+00	1.097E+01
TOTALS	1.781E+00	2.366E+01	4.307E-01	1.881E+00	1.850E+00	1.275E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	2.779E-08	4.632E-07	4.632E-07	4.621E-07	1.067E-02	1.778E-01	1.777E-01	1.777E-01
1	White Mesa Community	4	7.203E-09	1.200E-07	1.200E-07	1.198E-07	2.419E-02	4.032E-01	4.030E-01	4.030E-01
	CONCENTRATION TOTALS		3.499E-08	5.832E-07	5.832E-07	5.819E-07	3.486E-02	5.810E-01	5.807E-01	5.807E-01
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	1.278E-07	2.130E-06	2.130E-06	2.125E-06	4.905E-02	8.175E-01	8.172E-01	8.172E-01
2	BHV-1	4	1.105E-07	1.842E-06	1.842E-06	1.838E-06	3.713E-01	6.188E+00	6.185E+00	6.185E+00
	CONCENTRATION TOTALS		2.383E-07	3.972E-06	3.972E-06	3.963E-06	4.203E-01	7.005E+00	7.002E+00	7.002E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	3.799E-08	6.331E-07	6.331E-07	6.316E-07	1.458E-02	2.430E-01	2.429E-01	2.429E-01
3	BHV-2	4	2.605E-08	4.341E-07	4.341E-07	4.331E-07	8.747E-02	1.458E+00	1.457E+00	1.457E+00
	CONCENTRATION TOTALS		6.403E-08	1.067E-06	1.067E-06	1.065E-06	1.021E-01	1.701E+00	1.700E+00	1.700E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    9.297E-08    1.550E-06    1.549E-06    1.546E-06    3.569E-02    5.949E-01    5.946E-01
5.946E-01
  4  Nearest Resident      4    7.569E-08    1.262E-06    1.261E-06    1.259E-06    2.542E-01    4.237E+00    4.235E+00
4.235E+00
    CONCENTRATION TOTALS        1.687E-07    2.811E-06    2.811E-06    2.804E-06    2.899E-01    4.831E+00    4.829E+00
4.829E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    1.265E-08    2.108E-07    2.108E-07    2.103E-07    4.856E-03    8.094E-02    8.090E-02
8.090E-02
  5  Blanding              4    7.291E-09    1.215E-07    1.215E-07    1.212E-07    2.449E-02    4.081E-01    4.079E-01
4.079E-01
    CONCENTRATION TOTALS        1.994E-08    3.324E-07    3.323E-07    3.316E-07    2.934E-02    4.891E-01    4.888E-01
4.888E-01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    5.607E-07    9.345E-06    9.344E-06    9.323E-06    2.152E-01    3.587E+00    3.586E+00
3.586E+00
  6  Graz Loc 1            4    5.881E-07    9.801E-06    9.801E-06    9.778E-06    1.975E+00    3.292E+01    3.290E+01
3.290E+01
    CONCENTRATION TOTALS        1.149E-06    1.915E-05    1.915E-05    1.910E-05    2.190E+00    3.650E+01    3.649E+01
3.649E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    5.911E-07    9.852E-06    9.851E-06    9.829E-06    2.269E-01    3.782E+00    3.780E+00
3.780E+00
  7  Graz Loc 2            4    3.183E-07    5.304E-06    5.304E-06    5.292E-06    1.069E+00    1.781E+01    1.781E+01
1.781E+01
    CONCENTRATION TOTALS        9.094E-07    1.516E-05    1.516E-05    1.512E-05    1.296E+00    2.160E+01    2.159E+01
2.159E+01
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1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: CPTP3R.MIL                   01/27/08
                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	5.941E-01	5.939E-01	4.853E-01	4.013E-01	2.542E-06	1.726E-08	3.082E-12	4.569E-06	4.704E-01	4.704E-01	4.704E-01	4.603E-01
2	1.488E+00	1.398E+00	6.944E-01	4.029E-01	6.505E-07	1.228E-09	6.552E-14	6.464E-06	1.108E+00	1.108E+00	1.108E+00	1.178E-01
3	5.117E-01	5.071E-01	3.532E-01	2.708E-01	1.094E-06	4.767E-09	5.576E-13	3.323E-06	4.017E-01	4.017E-01	4.017E-01	1.982E-01
4	1.097E+00	1.057E+00	5.862E-01	3.790E-01	8.126E-07	1.995E-09	1.374E-13	5.474E-06	8.371E-01	8.371E-01	8.371E-01	1.472E-01
5	2.009E-01	2.009E-01	1.707E-01	1.465E-01	1.308E-06	1.277E-08	3.376E-12	1.619E-06	1.591E-01	1.591E-01	1.591E-01	2.369E-01
6	5.690E+00	4.737E+00	1.463E+00	5.054E-01	3.124E-07	2.335E-10	5.038E-15	1.418E-05	3.752E+00	3.752E+00	3.752E+00	5.657E-02
7	8.542E+00	7.609E+00	2.687E+00	9.943E-01	6.658E-07	5.354E-10	1.238E-14	2.517E-05	6.027E+00	6.027E+00	6.027E+00	1.206E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.66E-03	7.39E-03	4.91E-03	2.42E-03	2.01E-03	0.00E+00
INFANT	GROUND	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06
INFANT	CLOUD	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.36E-04	8.23E-04	4.64E-04	4.64E-04	4.21E-04	0.00E+00
INFANT	TOTALS	1.90E-03	8.21E-03	5.38E-03	2.88E-03	2.44E-03	1.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.81E-04	5.14E-03	2.17E-03	9.21E-04	6.40E-04	0.00E+00
CHILD	GROUND	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06
CHILD	CLOUD	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11
CHILD	VEG. ING	5.59E-04	2.81E-03	2.47E-03	2.47E-03	1.82E-03	0.00E+00
CHILD	MEAT ING	1.63E-05	8.13E-05	7.79E-05	7.79E-05	5.73E-05	0.00E+00
CHILD	MILK ING	3.15E-05	2.17E-04	1.05E-04	1.05E-04	7.94E-05	0.00E+00
CHILD	TOTALS	1.29E-03	8.24E-03	4.82E-03	3.57E-03	2.60E-03	1.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.65E-04	6.10E-03	1.11E-03	4.16E-04	3.32E-04	0.00E+00
TEENAGE	GROUND	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06
TEENAGE	CLOUD	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11
TEENAGE	VEG. ING	9.17E-04	1.49E-02	2.20E-03	2.20E-03	1.86E-03	0.00E+00
TEENAGE	MEAT ING	2.58E-05	4.19E-04	6.82E-05	6.82E-05	5.70E-05	0.00E+00
TEENAGE	MILK ING	4.62E-05	9.71E-04	6.75E-05	6.75E-05	6.10E-05	0.00E+00
TEENAGE	TOTALS	1.46E-03	2.24E-02	3.45E-03	2.76E-03	2.31E-03	1.94E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.17E-04	5.35E-03	9.02E-04	3.17E-04	2.34E-04	0.00E+00
ADULT	GROUND	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06
ADULT	CLOUD	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11	3.57E-11
ADULT	VEG. ING	5.24E-04	6.36E-03	1.44E-03	1.44E-03	1.18E-03	0.00E+00
ADULT	MEAT ING	1.88E-05	2.31E-04	5.63E-05	5.63E-05	4.62E-05	0.00E+00
ADULT	MILK ING	8.95E-06	1.36E-04	1.67E-05	1.67E-05	1.45E-05	0.00E+00
ADULT	TOTALS	9.71E-04	1.21E-02	2.41E-03	1.83E-03	1.48E-03	1.94E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.67E-02	8.76E-03	5.04E-03	9.53E-03	4.78E-03	7.43E-01
INFANT	GROUND	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04
INFANT	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.94E-04	9.39E-04	6.79E-04	6.79E-04	6.10E-04	0.00E+00
INFANT	TOTALS	5.17E-02	1.44E-02	1.04E-02	1.49E-02	1.01E-02	7.47E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.55E-02	6.17E-03	2.23E-03	4.08E-03	1.94E-03	7.43E-01
CHILD	GROUND	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04
CHILD	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
CHILD	VEG. ING	7.90E-04	3.86E-03	3.70E-03	3.70E-03	2.73E-03	0.00E+00
CHILD	MEAT ING	2.36E-05	1.15E-04	1.17E-04	1.17E-04	8.63E-05	0.00E+00
CHILD	MILK ING	4.09E-05	2.59E-04	1.55E-04	1.55E-04	1.16E-04	0.00E+00

CHILD	TOTALS	5.10E-02	1.51E-02	1.09E-02	1.28E-02	9.57E-03	7.47E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.52E-02	8.66E-03	1.13E-03	1.77E-03	9.82E-04	7.43E-01
TEENAGE	GROUND	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04
TEENAGE	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
TEENAGE	VEG. ING	1.26E-03	2.00E-02	3.30E-03	3.30E-03	2.76E-03	0.00E+00
TEENAGE	MEAT ING	3.66E-05	5.79E-04	1.03E-04	1.03E-04	8.56E-05	0.00E+00
TEENAGE	MILK ING	5.63E-05	1.12E-03	9.95E-05	9.95E-05	8.74E-05	0.00E+00
TEENAGE	TOTALS	5.13E-02	3.50E-02	9.34E-03	9.97E-03	8.62E-03	7.47E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.52E-02	6.86E-03	9.23E-04	1.45E-03	7.77E-04	7.43E-01
ADULT	GROUND	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04	1.91E-04
ADULT	CLOUD	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03	4.51E-03
ADULT	VEG. ING	7.33E-04	8.77E-03	2.15E-03	2.15E-03	1.77E-03	0.00E+00
ADULT	MEAT ING	2.71E-05	3.27E-04	8.48E-05	8.48E-05	6.94E-05	0.00E+00
ADULT	MILK ING	1.13E-05	1.63E-04	2.47E-05	2.47E-05	2.10E-05	0.00E+00
ADULT	TOTALS	5.06E-02	2.08E-02	7.89E-03	8.41E-03	7.34E-03	7.47E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.49E-03	4.43E-02	2.27E-02	1.62E-02	1.34E-02	0.00E+00
INFANT	GROUND	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05
INFANT	CLOUD	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.84E-03	9.93E-03	5.60E-03	5.60E-03	5.07E-03	0.00E+00
INFANT	TOTALS	1.24E-02	5.43E-02	2.83E-02	2.18E-02	1.85E-02	2.34E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.81E-03	3.05E-02	9.99E-03	6.18E-03	4.27E-03	0.00E+00
CHILD	GROUND	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05
CHILD	CLOUD	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10
CHILD	VEG. ING	6.74E-03	3.39E-02	2.97E-02	2.97E-02	2.20E-02	0.00E+00
CHILD	MEAT ING	1.96E-04	9.80E-04	9.40E-04	9.40E-04	6.91E-04	0.00E+00

CHILD	MILK ING	3.79E-04	2.61E-03	1.27E-03	1.27E-03	9.58E-04	0.00E+00
CHILD	TOTALS	1.12E-02	6.80E-02	4.20E-02	3.82E-02	2.79E-02	2.34E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.62E-03	3.69E-02	5.10E-03	2.79E-03	2.21E-03	0.00E+00
TEENAGE	GROUND	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05
TEENAGE	CLOUD	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10
TEENAGE	VEG. ING	1.11E-02	1.80E-01	2.65E-02	2.65E-02	2.24E-02	0.00E+00
TEENAGE	MEAT ING	3.11E-04	5.06E-03	8.22E-04	8.22E-04	6.88E-04	0.00E+00
TEENAGE	MILK ING	5.58E-04	1.17E-02	8.14E-04	8.14E-04	7.35E-04	0.00E+00
TEENAGE	TOTALS	1.46E-02	2.33E-01	3.33E-02	3.10E-02	2.60E-02	2.34E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.32E-03	3.19E-02	4.16E-03	2.13E-03	1.56E-03	0.00E+00
ADULT	GROUND	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05	2.34E-05
ADULT	CLOUD	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10	2.43E-10
ADULT	VEG. ING	6.31E-03	7.67E-02	1.73E-02	1.73E-02	1.43E-02	0.00E+00
ADULT	MEAT ING	2.27E-04	2.79E-03	6.79E-04	6.79E-04	5.57E-04	0.00E+00
ADULT	MILK ING	1.08E-04	1.64E-03	2.02E-04	2.02E-04	1.74E-04	0.00E+00
ADULT	TOTALS	8.99E-03	1.13E-01	2.24E-02	2.03E-02	1.66E-02	2.34E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.21E-01	4.47E-02	2.27E-02	1.80E-02	1.41E-02	1.86E+00
INFANT	GROUND	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
INFANT	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.86E-03	9.95E-03	5.65E-03	5.65E-03	5.12E-03	0.00E+00
INFANT	TOTALS	1.30E-01	6.09E-02	3.47E-02	3.00E-02	2.55E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.15E-01	3.08E-02	1.00E-02	6.99E-03	4.61E-03	1.86E+00
CHILD	GROUND	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03

CHILD	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
CHILD	VEG. ING	6.80E-03	3.41E-02	3.01E-02	3.01E-02	2.22E-02	0.00E+00
CHILD	MEAT ING	1.98E-04	9.89E-04	9.50E-04	9.50E-04	6.99E-04	0.00E+00
CHILD	MILK ING	3.82E-04	2.62E-03	1.28E-03	1.28E-03	9.67E-04	0.00E+00
CHILD	TOTALS	1.29E-01	7.48E-02	4.86E-02	4.56E-02	3.48E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.14E-01	3.75E-02	5.11E-03	3.14E-03	2.38E-03	1.86E+00
TEENAGE	GROUND	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
TEENAGE	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
TEENAGE	VEG. ING	1.11E-02	1.81E-01	2.68E-02	2.68E-02	2.26E-02	0.00E+00
TEENAGE	MEAT ING	3.13E-04	5.10E-03	8.31E-04	8.31E-04	6.95E-04	0.00E+00
TEENAGE	MILK ING	5.60E-04	1.17E-02	8.22E-04	8.22E-04	7.42E-04	0.00E+00
TEENAGE	TOTALS	1.33E-01	2.42E-01	3.99E-02	3.79E-02	3.27E-02	1.87E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.14E-01	3.23E-02	4.16E-03	2.42E-03	1.70E-03	1.86E+00
ADULT	GROUND	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03
ADULT	CLOUD	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03
ADULT	VEG. ING	6.37E-03	7.73E-02	1.75E-02	1.75E-02	1.44E-02	0.00E+00
ADULT	MEAT ING	2.29E-04	2.82E-03	6.86E-04	6.86E-04	5.63E-04	0.00E+00
ADULT	MILK ING	1.09E-04	1.65E-03	2.04E-04	2.04E-04	1.76E-04	0.00E+00
ADULT	TOTALS	1.27E-01	1.20E-01	2.88E-02	2.71E-02	2.32E-02	1.87E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.66E-03	1.23E-02	6.73E-03	4.37E-03	3.62E-03	0.00E+00
INFANT	GROUND	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06
INFANT	CLOUD	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.90E-04	2.41E-03	1.36E-03	1.36E-03	1.23E-03	0.00E+00
INFANT	TOTALS	3.35E-03	1.47E-02	8.10E-03	5.74E-03	4.86E-03	5.68E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.07E-03	8.47E-03	2.97E-03	1.67E-03	1.15E-03	0.00E+00

CHILD	GROUND	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06
CHILD	CLOUD	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11
CHILD	VEG. ING	1.64E-03	8.23E-03	7.22E-03	7.22E-03	5.33E-03	0.00E+00
CHILD	MEAT ING	4.76E-05	2.38E-04	2.28E-04	2.28E-04	1.68E-04	0.00E+00
CHILD	MILK ING	9.21E-05	6.34E-04	3.08E-04	3.08E-04	2.33E-04	0.00E+00
CHILD	TOTALS	2.86E-03	1.76E-02	1.07E-02	9.43E-03	6.89E-03	5.68E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.36E-04	1.02E-02	1.52E-03	7.52E-04	5.97E-04	0.00E+00
TEENAGE	GROUND	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06
TEENAGE	CLOUD	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11
TEENAGE	VEG. ING	2.68E-03	4.36E-02	6.45E-03	6.45E-03	5.43E-03	0.00E+00
TEENAGE	MEAT ING	7.54E-05	1.23E-03	2.00E-04	2.00E-04	1.67E-04	0.00E+00
TEENAGE	MILK ING	1.35E-04	2.84E-03	1.98E-04	1.98E-04	1.78E-04	0.00E+00
TEENAGE	TOTALS	3.64E-03	5.79E-02	8.37E-03	7.60E-03	6.38E-03	5.68E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.54E-04	8.84E-03	1.24E-03	5.73E-04	4.22E-04	0.00E+00
ADULT	GROUND	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06	5.68E-06
ADULT	CLOUD	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11	6.54E-11
ADULT	VEG. ING	1.53E-03	1.86E-02	4.20E-03	4.20E-03	3.47E-03	0.00E+00
ADULT	MEAT ING	5.51E-05	6.78E-04	1.65E-04	1.65E-04	1.35E-04	0.00E+00
ADULT	MILK ING	2.62E-05	3.99E-04	4.90E-05	4.90E-05	4.24E-05	0.00E+00
ADULT	TOTALS	2.27E-03	2.85E-02	5.66E-03	5.00E-03	4.07E-03	5.68E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.12E-02	1.29E-02	6.79E-03	7.44E-03	4.81E-03	6.40E-01
INFANT	GROUND	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04
INFANT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	7.15E-04	2.46E-03	1.45E-03	1.45E-03	1.31E-03	0.00E+00
INFANT	TOTALS	4.54E-02	1.88E-02	1.17E-02	1.23E-02	9.58E-03	6.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.95E-02	8.91E-03	2.99E-03	3.03E-03	1.71E-03	6.40E-01
CHILD	GROUND	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04
CHILD	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
CHILD	VEG. ING	1.74E-03	8.68E-03	7.75E-03	7.75E-03	5.72E-03	0.00E+00
CHILD	MEAT ING	5.08E-05	2.52E-04	2.45E-04	2.45E-04	1.80E-04	0.00E+00
CHILD	MILK ING	9.61E-05	6.52E-04	3.29E-04	3.29E-04	2.48E-04	0.00E+00
CHILD	TOTALS	4.49E-02	2.20E-02	1.48E-02	1.48E-02	1.13E-02	6.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.92E-02	1.13E-02	1.53E-03	1.34E-03	8.77E-04	6.40E-01
TEENAGE	GROUND	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04
TEENAGE	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
TEENAGE	VEG. ING	2.83E-03	4.58E-02	6.92E-03	6.92E-03	5.82E-03	0.00E+00
TEENAGE	MEAT ING	8.01E-05	1.30E-03	2.14E-04	2.14E-04	1.79E-04	0.00E+00
TEENAGE	MILK ING	1.40E-04	2.91E-03	2.11E-04	2.11E-04	1.90E-04	0.00E+00
TEENAGE	TOTALS	4.57E-02	6.48E-02	1.23E-02	1.21E-02	1.05E-02	6.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.91E-02	9.49E-03	1.24E-03	1.06E-03	6.55E-04	6.40E-01
ADULT	GROUND	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04
ADULT	CLOUD	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03	3.08E-03
ADULT	VEG. ING	1.62E-03	1.97E-02	4.51E-03	4.51E-03	3.72E-03	0.00E+00
ADULT	MEAT ING	5.87E-05	7.19E-04	1.77E-04	1.77E-04	1.45E-04	0.00E+00
ADULT	MILK ING	2.72E-05	4.10E-04	5.24E-05	5.24E-05	4.52E-05	0.00E+00
ADULT	TOTALS	4.43E-02	3.37E-02	9.45E-03	9.26E-03	8.02E-03	6.43E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.79E-03	3.16E-02	1.65E-02	1.15E-02	9.49E-03	0.00E+00
INFANT	GROUND	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05
INFANT	CLOUD	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.96E-03	6.85E-03	3.86E-03	3.86E-03	3.50E-03	0.00E+00
INFANT	TOTALS	8.77E-03	3.85E-02	2.04E-02	1.54E-02	1.30E-02	1.61E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.73E-03	2.18E-02	7.27E-03	4.38E-03	3.03E-03	0.00E+00
CHILD	GROUND	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05
CHILD	CLOUD	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10
CHILD	VEG. ING	4.65E-03	2.34E-02	2.05E-02	2.05E-02	1.51E-02	0.00E+00
CHILD	MEAT ING	1.35E-04	6.76E-04	6.48E-04	6.48E-04	4.77E-04	0.00E+00
CHILD	MILK ING	2.62E-04	1.80E-03	8.74E-04	8.74E-04	6.61E-04	0.00E+00
CHILD	TOTALS	7.79E-03	4.76E-02	2.93E-02	2.64E-02	1.93E-02	1.61E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.88E-03	2.63E-02	3.71E-03	1.98E-03	1.57E-03	0.00E+00
TEENAGE	GROUND	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05
TEENAGE	CLOUD	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10
TEENAGE	VEG. ING	7.62E-03	1.24E-01	1.83E-02	1.83E-02	1.54E-02	0.00E+00
TEENAGE	MEAT ING	2.14E-04	3.49E-03	5.67E-04	5.67E-04	4.74E-04	0.00E+00
TEENAGE	MILK ING	3.85E-04	8.07E-03	5.62E-04	5.62E-04	5.07E-04	0.00E+00
TEENAGE	TOTALS	1.01E-02	1.62E-01	2.32E-02	2.14E-02	1.80E-02	1.61E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.66E-03	2.28E-02	3.03E-03	1.51E-03	1.11E-03	0.00E+00
ADULT	GROUND	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05	1.61E-05
ADULT	CLOUD	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10	1.72E-10
ADULT	VEG. ING	4.36E-03	5.29E-02	1.19E-02	1.19E-02	9.84E-03	0.00E+00
ADULT	MEAT ING	1.57E-04	1.93E-03	4.68E-04	4.68E-04	3.84E-04	0.00E+00
ADULT	MILK ING	7.44E-05	1.13E-03	1.39E-04	1.39E-04	1.20E-04	0.00E+00
ADULT	TOTALS	6.27E-03	7.87E-02	1.56E-02	1.41E-02	1.15E-02	1.61E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.92E-02	3.21E-02	1.65E-02	1.38E-02	1.04E-02	1.37E+00
INFANT	GROUND	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
INFANT	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	1.98E-03	6.88E-03	3.93E-03	3.93E-03	3.56E-03	0.00E+00
INFANT	TOTALS	9.67E-02	4.44E-02	2.59E-02	2.32E-02	1.94E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.51E-02	2.21E-02	7.29E-03	5.39E-03	3.44E-03	1.37E+00
CHILD	GROUND	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
CHILD	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
CHILD	VEG. ING	4.72E-03	2.37E-02	2.09E-02	2.09E-02	1.54E-02	0.00E+00
CHILD	MEAT ING	1.38E-04	6.87E-04	6.61E-04	6.61E-04	4.86E-04	0.00E+00
CHILD	MILK ING	2.65E-04	1.81E-03	8.90E-04	8.90E-04	6.72E-04	0.00E+00
CHILD	TOTALS	9.57E-02	5.38E-02	3.52E-02	3.33E-02	2.55E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.43E-02	2.71E-02	3.72E-03	2.41E-03	1.78E-03	1.37E+00
TEENAGE	GROUND	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
TEENAGE	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
TEENAGE	VEG. ING	7.73E-03	1.26E-01	1.87E-02	1.87E-02	1.57E-02	0.00E+00
TEENAGE	MEAT ING	2.18E-04	3.54E-03	5.78E-04	5.78E-04	4.83E-04	0.00E+00
TEENAGE	MILK ING	3.88E-04	8.12E-03	5.72E-04	5.72E-04	5.15E-04	0.00E+00
TEENAGE	TOTALS	9.81E-02	1.70E-01	2.90E-02	2.77E-02	2.40E-02	1.38E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.40E-02	2.32E-02	3.03E-03	1.87E-03	1.28E-03	1.37E+00
ADULT	GROUND	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03	1.03E-03
ADULT	CLOUD	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03	4.44E-03
ADULT	VEG. ING	4.42E-03	5.36E-02	1.22E-02	1.22E-02	1.00E-02	0.00E+00
ADULT	MEAT ING	1.59E-04	1.96E-03	4.77E-04	4.77E-04	3.91E-04	0.00E+00
ADULT	MILK ING	7.52E-05	1.14E-03	1.42E-04	1.42E-04	1.22E-04	0.00E+00
ADULT	TOTALS	9.42E-02	8.54E-02	2.13E-02	2.01E-02	1.73E-02	1.38E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.52E-04	3.90E-03	2.24E-03	1.37E-03	1.13E-03	0.00E+00
INFANT	GROUND	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
INFANT	CLOUD	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.98E-04	6.93E-04	3.91E-04	3.91E-04	3.54E-04	0.00E+00
INFANT	TOTALS	1.05E-03	4.59E-03	2.63E-03	1.76E-03	1.49E-03	1.63E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.45E-04	2.70E-03	9.87E-04	5.20E-04	3.60E-04	0.00E+00
CHILD	GROUND	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
CHILD	CLOUD	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11
CHILD	VEG. ING	4.70E-04	2.36E-03	2.08E-03	2.08E-03	1.53E-03	0.00E+00
CHILD	MEAT ING	1.37E-05	6.85E-05	6.56E-05	6.56E-05	4.83E-05	0.00E+00
CHILD	MILK ING	2.65E-05	1.82E-04	8.85E-05	8.85E-05	6.69E-05	0.00E+00
CHILD	TOTALS	8.58E-04	5.31E-03	3.22E-03	2.75E-03	2.01E-03	1.63E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.37E-04	3.23E-03	5.05E-04	2.35E-04	1.87E-04	0.00E+00
TEENAGE	GROUND	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
TEENAGE	CLOUD	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11
TEENAGE	VEG. ING	7.72E-04	1.25E-02	1.85E-03	1.85E-03	1.56E-03	0.00E+00
TEENAGE	MEAT ING	2.17E-05	3.53E-04	5.74E-05	5.74E-05	4.80E-05	0.00E+00
TEENAGE	MILK ING	3.89E-05	8.17E-04	5.68E-05	5.68E-05	5.13E-05	0.00E+00
TEENAGE	TOTALS	1.07E-03	1.70E-02	2.47E-03	2.20E-03	1.85E-03	1.63E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.11E-04	2.81E-03	4.11E-04	1.79E-04	1.32E-04	0.00E+00
ADULT	GROUND	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06	1.63E-06
ADULT	CLOUD	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11	2.04E-11
ADULT	VEG. ING	4.41E-04	5.35E-03	1.21E-03	1.21E-03	9.96E-04	0.00E+00
ADULT	MEAT ING	1.59E-05	1.95E-04	4.74E-05	4.74E-05	3.89E-05	0.00E+00
ADULT	MILK ING	7.53E-06	1.15E-04	1.41E-05	1.41E-05	1.22E-05	0.00E+00
ADULT	TOTALS	6.77E-04	8.48E-03	1.68E-03	1.45E-03	1.18E-03	1.63E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.62E-02	4.61E-03	2.31E-03	5.03E-03	2.55E-03	2.51E-01

INFANT	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
INFANT	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.29E-04	7.53E-04	5.01E-04	5.01E-04	4.52E-04	0.00E+00
INFANT	TOTALS	1.81E-02	7.11E-03	4.57E-03	7.28E-03	4.76E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.55E-02	3.23E-03	1.02E-03	2.15E-03	1.03E-03	2.51E-01
CHILD	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
CHILD	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
CHILD	VEG. ING	5.89E-04	2.90E-03	2.71E-03	2.71E-03	2.00E-03	0.00E+00
CHILD	MEAT ING	1.75E-05	8.57E-05	8.59E-05	8.59E-05	6.32E-05	0.00E+00
CHILD	MILK ING	3.13E-05	2.04E-04	1.14E-04	1.14E-04	8.59E-05	0.00E+00
CHILD	TOTALS	1.79E-02	8.18E-03	5.69E-03	6.81E-03	4.93E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.54E-02	4.55E-03	5.18E-04	9.32E-04	5.22E-04	2.51E-01
TEENAGE	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
TEENAGE	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
TEENAGE	VEG. ING	9.50E-04	1.52E-02	2.42E-03	2.42E-03	2.03E-03	0.00E+00
TEENAGE	MEAT ING	2.73E-05	4.35E-04	7.51E-05	7.51E-05	6.27E-05	0.00E+00
TEENAGE	MILK ING	4.41E-05	8.93E-04	7.33E-05	7.33E-05	6.49E-05	0.00E+00
TEENAGE	TOTALS	1.82E-02	2.28E-02	4.84E-03	5.26E-03	4.44E-03	2.53E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.54E-02	3.59E-03	4.22E-04	7.60E-04	4.11E-04	2.51E-01
ADULT	GROUND	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04	1.18E-04
ADULT	CLOUD	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03	1.64E-03
ADULT	VEG. ING	5.48E-04	6.60E-03	1.58E-03	1.58E-03	1.30E-03	0.00E+00
ADULT	MEAT ING	2.01E-05	2.44E-04	6.21E-05	6.21E-05	5.08E-05	0.00E+00
ADULT	MILK ING	8.73E-06	1.28E-04	1.82E-05	1.82E-05	1.55E-05	0.00E+00
ADULT	TOTALS	1.77E-02	1.23E-02	3.84E-03	4.17E-03	3.53E-03	2.53E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	4.41E-02	2.08E-01	9.96E-02	7.80E-02	6.43E-02	0.00E+00
INFANT	GROUND	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04
INFANT	CLOUD	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.48E-02	5.17E-02	2.92E-02	2.92E-02	2.64E-02	0.00E+00
INFANT	TOTALS	5.90E-02	2.60E-01	1.29E-01	1.07E-01	9.08E-02	1.22E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.76E-02	1.43E-01	4.39E-02	2.97E-02	2.05E-02	0.00E+00
CHILD	GROUND	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04
CHILD	CLOUD	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09
CHILD	VEG. ING	3.51E-02	1.77E-01	1.55E-01	1.55E-01	1.14E-01	0.00E+00
CHILD	MEAT ING	1.02E-03	5.11E-03	4.90E-03	4.90E-03	3.60E-03	0.00E+00
CHILD	MILK ING	1.98E-03	1.36E-02	6.60E-03	6.60E-03	4.99E-03	0.00E+00
CHILD	TOTALS	5.59E-02	3.39E-01	2.11E-01	1.96E-01	1.44E-01	1.22E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.21E-02	1.74E-01	2.24E-02	1.34E-02	1.06E-02	0.00E+00
TEENAGE	GROUND	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04
TEENAGE	CLOUD	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09
TEENAGE	VEG. ING	5.76E-02	9.36E-01	1.38E-01	1.38E-01	1.17E-01	0.00E+00
TEENAGE	MEAT ING	1.62E-03	2.63E-02	4.28E-03	4.28E-03	3.58E-03	0.00E+00
TEENAGE	MILK ING	2.91E-03	6.10E-02	4.24E-03	4.24E-03	3.83E-03	0.00E+00
TEENAGE	TOTALS	7.44E-02	1.20E+00	1.69E-01	1.60E-01	1.35E-01	1.22E-04

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.07E-02	1.50E-01	1.83E-02	1.02E-02	7.51E-03	0.00E+00
ADULT	GROUND	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04
ADULT	CLOUD	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09	1.17E-09
ADULT	VEG. ING	3.29E-02	3.99E-01	9.02E-02	9.02E-02	7.44E-02	0.00E+00
ADULT	MEAT ING	1.18E-03	1.45E-02	3.54E-03	3.54E-03	2.90E-03	0.00E+00
ADULT	MILK ING	5.62E-04	8.55E-03	1.05E-03	1.05E-03	9.09E-04	0.00E+00
ADULT	TOTALS	4.55E-02	5.72E-01	1.13E-01	1.05E-01	8.58E-02	1.22E-04

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.71E-01	2.08E-01	9.96E-02	7.88E-02	6.46E-02	7.11E+00
INFANT	GROUND	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03
INFANT	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.48E-02	5.17E-02	2.92E-02	2.92E-02	2.65E-02	0.00E+00
INFANT	TOTALS	5.00E-01	2.74E-01	1.43E-01	1.22E-01	1.05E-01	7.13E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.44E-01	1.43E-01	4.39E-02	3.01E-02	2.07E-02	7.11E+00
CHILD	GROUND	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03
CHILD	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
CHILD	VEG. ING	3.51E-02	1.77E-01	1.55E-01	1.55E-01	1.15E-01	0.00E+00
CHILD	MEAT ING	1.02E-03	5.11E-03	4.90E-03	4.90E-03	3.61E-03	0.00E+00
CHILD	MILK ING	1.98E-03	1.36E-02	6.61E-03	6.61E-03	5.00E-03	0.00E+00
CHILD	TOTALS	4.97E-01	3.53E-01	2.25E-01	2.11E-01	1.58E-01	7.13E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.39E-01	1.74E-01	2.24E-02	1.36E-02	1.07E-02	7.11E+00
TEENAGE	GROUND	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03
TEENAGE	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
TEENAGE	VEG. ING	5.76E-02	9.37E-01	1.38E-01	1.38E-01	1.17E-01	0.00E+00
TEENAGE	MEAT ING	1.62E-03	2.64E-02	4.29E-03	4.29E-03	3.59E-03	0.00E+00
TEENAGE	MILK ING	2.91E-03	6.10E-02	4.25E-03	4.25E-03	3.83E-03	0.00E+00
TEENAGE	TOTALS	5.15E-01	1.21E+00	1.84E-01	1.75E-01	1.49E-01	7.13E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.37E-01	1.50E-01	1.83E-02	1.04E-02	7.57E-03	7.11E+00
ADULT	GROUND	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03	7.31E-03
ADULT	CLOUD	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03	6.87E-03
ADULT	VEG. ING	3.29E-02	4.00E-01	9.03E-02	9.03E-02	7.44E-02	0.00E+00
ADULT	MEAT ING	1.18E-03	1.46E-02	3.54E-03	3.54E-03	2.90E-03	0.00E+00
ADULT	MILK ING	5.63E-04	8.56E-03	1.05E-03	1.05E-03	9.10E-04	0.00E+00
ADULT	TOTALS	4.86E-01	5.87E-01	1.27E-01	1.19E-01	1.00E-01	7.13E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	3.93E-02	1.79E-01	1.05E-01	6.23E-02	5.16E-02	0.00E+00
INFANT	GROUND	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05
INFANT	CLOUD	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.76E-03	3.06E-02	1.73E-02	1.73E-02	1.56E-02	0.00E+00
INFANT	TOTALS	4.81E-02	2.10E-01	1.22E-01	7.96E-02	6.73E-02	7.22E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.59E-02	1.24E-01	4.61E-02	2.37E-02	1.65E-02	0.00E+00
CHILD	GROUND	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05
CHILD	CLOUD	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10
CHILD	VEG. ING	2.08E-02	1.04E-01	9.17E-02	9.17E-02	6.77E-02	0.00E+00
CHILD	MEAT ING	6.04E-04	3.02E-03	2.90E-03	2.90E-03	2.13E-03	0.00E+00
CHILD	MILK ING	1.17E-03	8.05E-03	3.91E-03	3.91E-03	2.95E-03	0.00E+00
CHILD	TOTALS	3.86E-02	2.40E-01	1.45E-01	1.22E-01	8.93E-02	7.22E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.09E-02	1.49E-01	2.36E-02	1.07E-02	8.52E-03	0.00E+00
TEENAGE	GROUND	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05
TEENAGE	CLOUD	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10
TEENAGE	VEG. ING	3.41E-02	5.54E-01	8.18E-02	8.18E-02	6.90E-02	0.00E+00
TEENAGE	MEAT ING	9.58E-04	1.56E-02	2.53E-03	2.53E-03	2.12E-03	0.00E+00
TEENAGE	MILK ING	1.72E-03	3.61E-02	2.51E-03	2.51E-03	2.27E-03	0.00E+00
TEENAGE	TOTALS	4.77E-02	7.54E-01	1.11E-01	9.77E-02	8.20E-02	7.22E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	9.73E-03	1.29E-01	1.92E-02	8.17E-03	6.02E-03	0.00E+00
ADULT	GROUND	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05	7.22E-05
ADULT	CLOUD	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10	9.28E-10
ADULT	VEG. ING	1.95E-02	2.36E-01	5.34E-02	5.34E-02	4.40E-02	0.00E+00
ADULT	MEAT ING	7.00E-04	8.61E-03	2.09E-03	2.09E-03	1.72E-03	0.00E+00
ADULT	MILK ING	3.33E-04	5.06E-03	6.22E-04	6.22E-04	5.38E-04	0.00E+00
ADULT	TOTALS	3.03E-02	3.79E-01	7.54E-02	6.43E-02	5.23E-02	7.22E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.80E-01	1.80E-01	1.05E-01	6.42E-02	5.24E-02	1.07E+01
INFANT	GROUND	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03
INFANT	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	8.78E-03	3.06E-02	1.73E-02	1.73E-02	1.57E-02	0.00E+00
INFANT	TOTALS	7.07E-01	2.28E-01	1.40E-01	9.97E-02	8.63E-02	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.57E-01	1.24E-01	4.61E-02	2.46E-02	1.68E-02	1.07E+01
CHILD	GROUND	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03
CHILD	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
CHILD	VEG. ING	2.08E-02	1.05E-01	9.20E-02	9.20E-02	6.79E-02	0.00E+00
CHILD	MEAT ING	6.06E-04	3.03E-03	2.91E-03	2.91E-03	2.14E-03	0.00E+00
CHILD	MILK ING	1.17E-03	8.06E-03	3.92E-03	3.92E-03	2.96E-03	0.00E+00
CHILD	TOTALS	6.97E-01	2.58E-01	1.63E-01	1.42E-01	1.08E-01	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.52E-01	1.49E-01	2.36E-02	1.11E-02	8.69E-03	1.07E+01
TEENAGE	GROUND	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03
TEENAGE	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
TEENAGE	VEG. ING	3.42E-02	5.55E-01	8.21E-02	8.21E-02	6.92E-02	0.00E+00
TEENAGE	MEAT ING	9.61E-04	1.56E-02	2.54E-03	2.54E-03	2.13E-03	0.00E+00
TEENAGE	MILK ING	1.72E-03	3.61E-02	2.52E-03	2.52E-03	2.27E-03	0.00E+00
TEENAGE	TOTALS	7.07E-01	7.75E-01	1.29E-01	1.17E-01	1.01E-01	1.07E+01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.50E-01	1.30E-01	1.92E-02	8.47E-03	6.16E-03	1.07E+01
ADULT	GROUND	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03	5.01E-03
ADULT	CLOUD	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02	1.32E-02
ADULT	VEG. ING	1.95E-02	2.37E-01	5.36E-02	5.36E-02	4.42E-02	0.00E+00
ADULT	MEAT ING	7.02E-04	8.63E-03	2.10E-03	2.10E-03	1.72E-03	0.00E+00
ADULT	MILK ING	3.33E-04	5.07E-03	6.24E-04	6.24E-04	5.39E-04	0.00E+00
ADULT	TOTALS	6.89E-01	3.99E-01	9.37E-02	8.30E-02	7.08E-02	1.07E+01

0Program execution time = 0.22 seconds

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     JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

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  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
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  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

```
            |
 60.0-70.0  |       0      0      0      0      0      0      0      0      0      0      0      0      0      0      0      0
            |
 70.0-80.0  |       0     50      0      0   1500      0      0      0    150      0    100      0      0    150      0      0
 ---------------------------------------------------------------------------------------------------------------------------------
-----
            |
  1.0-80.0  |       0   4950    126    824   1500      0      5    370    410    300    360      0      0    160      0      0

                                        TOTAL 1-80 KM POPULATION IS      9005 PERSONS
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE   5
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

 FINITE ELEMENT DATA FOR SOURCE NO.  1:    IPX=  1  ID=  5001

    VERTEX (M) = -5.5359E+02 -9.8859E+02 -3.5241E+02 -9.8859E+02 -5.5359E+02 -7.8741E+02 -3.5241E+02 -7.8741E+02

    AREA SOURCE ELEMENT NO. =    1          NODES=    1    4    2    5
    AREA SOURCE ELEMENT NO. =    2          NODES=    2    5    3    6
    AREA SOURCE ELEMENT NO. =    3          NODES=    4    7    5    8
    AREA SOURCE ELEMENT NO. =    4          NODES=    5    8    6    9
0   NODAL COORDINATES (M):
      NODE NO. =    1     XS= -5.5359E+02     YS= -9.8859E+02
      NODE NO. =    2     XS= -5.5359E+02     YS= -8.8800E+02
      NODE NO. =    3     XS= -5.5359E+02     YS= -7.8741E+02
      NODE NO. =    4     XS= -4.5300E+02     YS= -9.8859E+02
      NODE NO. =    5     XS= -4.5300E+02     YS= -8.8800E+02
      NODE NO. =    6     XS= -4.5300E+02     YS= -7.8741E+02
      NODE NO. =    7     XS= -3.5241E+02     YS= -9.8859E+02
      NODE NO. =    8     XS= -3.5241E+02     YS= -8.8800E+02
      NODE NO. =    9     XS= -3.5241E+02     YS= -7.8741E+02
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE   6
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

 NUMBER OF SOURCES= 1


        KM     KM       M       KM2                        CI/YEAR                                PSIZE   M/SEC
 NO.     X      Y       Z      AREA     U-238    Th-230    Ra-226    Pb-210    Rn-222     ID    SET   EXIT VEL   SOURCE NAME
 ---------------------------------------------------------------------------------------------------------------------------------
-----
  1   -0.45   -0.89  -16.00  0.0405   2.71E-04  4.52E-03  4.52E-03  4.52E-03  1.02E+02   5001    3    0.00E+00   Tailings Cell
4A

                      INPUT TAILS ACTIVITIES, PCI/G                     AMAD AND FRACTIONAL DISTRIBUTION
              SET URANIUM   THORIUM    RADIUM     LEAD                  SET    1.5    3.0    7.7   54.0
              ----------------------------------------                  ----------------------------------
               1  4.20E+01  7.00E+02  7.00E+02  7.00E+02                  1     0.000  1.000  0.000  0.000
               2  0.00E+00  0.00E+00  0.00E+00  0.00E+00                  2     1.000  0.000  0.000  0.000
               3  0.00E+00  0.00E+00  0.00E+00  0.00E+00                  3     0.000  0.000  0.300  0.700
```

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.983E-07	4.972E-06	4.972E-06	4.961E-06	1.145E+00	1.074E+00	5.224E-01	2.865E-01	4.035E-07	4.824E-06
2.5	1.435E-07	2.392E-06	2.392E-06	2.387E-06	6.503E-01	6.336E-01	3.809E-01	2.535E-01	5.475E-07	3.530E-06
3.5	8.553E-08	1.426E-06	1.426E-06	1.422E-06	4.351E-01	4.298E-01	2.926E-01	2.165E-01	6.523E-07	2.734E-06
4.5	5.737E-08	9.561E-07	9.561E-07	9.539E-07	3.185E-01	3.166E-01	2.336E-01	1.838E-01	7.248E-07	2.196E-06
7.5	2.610E-08	4.350E-07	4.349E-07	4.339E-07	1.670E-01	1.669E-01	1.400E-01	1.196E-01	8.282E-07	1.328E-06
15.0	9.294E-09	1.549E-07	1.549E-07	1.545E-07	6.873E-02	6.877E-02	6.447E-02	5.954E-02	8.467E-07	6.198E-07
25.0	4.403E-09	7.339E-08	7.339E-08	7.322E-08	3.505E-02	3.507E-02	3.439E-02	3.330E-02	8.014E-07	3.347E-07
35.0	2.683E-09	4.472E-08	4.472E-08	4.462E-08	2.244E-02	2.245E-02	2.233E-02	2.203E-02	7.554E-07	2.185E-07
45.0	1.836E-09	3.060E-08	3.060E-08	3.053E-08	1.602E-02	1.603E-02	1.603E-02	1.595E-02	7.156E-07	1.573E-07
55.0	1.357E-09	2.262E-08	2.262E-08	2.257E-08	1.229E-02	1.230E-02	1.232E-02	1.231E-02	6.815E-07	1.211E-07
65.0	1.040E-09	1.734E-08	1.734E-08	1.730E-08	9.759E-03	9.765E-03	9.799E-03	9.808E-03	6.521E-07	9.632E-08
75.0	8.251E-10	1.375E-08	1.375E-08	1.372E-08	7.996E-03	8.000E-03	8.034E-03	8.050E-03	6.262E-07	7.900E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	5.175E-01	8.625E+00	8.621E+00	8.621E+00	0.000E+00	9.472E+00	9.472E+00	9.472E+00	7.307E-02
2.5	2.348E-01	3.914E+00	3.912E+00	3.912E+00	0.000E+00	4.414E+00	4.414E+00	4.414E+00	9.915E-02
3.5	1.342E-01	2.237E+00	2.236E+00	2.236E+00	0.000E+00	2.576E+00	2.576E+00	2.576E+00	1.181E-01
4.5	8.718E-02	1.453E+00	1.452E+00	1.452E+00	0.000E+00	1.703E+00	1.703E+00	1.703E+00	1.313E-01
7.5	3.777E-02	6.295E-01	6.292E-01	6.292E-01	0.000E+00	7.614E-01	7.614E-01	7.614E-01	1.500E-01
15.0	1.283E-02	2.139E-01	2.138E-01	2.138E-01	0.000E+00	2.682E-01	2.682E-01	2.682E-01	1.533E-01
25.0	5.839E-03	9.732E-02	9.728E-02	9.728E-02	0.000E+00	1.251E-01	1.251E-01	1.251E-01	1.451E-01
35.0	3.391E-03	5.652E-02	5.649E-02	5.649E-02	0.000E+00	7.427E-02	7.427E-02	7.427E-02	1.368E-01
45.0	2.195E-03	3.659E-02	3.657E-02	3.657E-02	0.000E+00	4.927E-02	4.927E-02	4.927E-02	1.296E-01
55.0	1.533E-03	2.554E-02	2.553E-02	2.553E-02	0.000E+00	3.527E-02	3.527E-02	3.527E-02	1.234E-01
65.0	1.103E-03	1.839E-02	1.838E-02	1.838E-02	0.000E+00	2.611E-02	2.611E-02	2.611E-02	1.181E-01
75.0	8.211E-04	1.368E-02	1.368E-02	1.368E-02	0.000E+00	2.002E-02	2.002E-02	2.002E-02	1.134E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.348E-08	2.247E-07	2.247E-07	2.254E-07
2.5	6.117E-09	1.020E-07	1.019E-07	1.034E-07
3.5	3.496E-09	5.826E-08	5.826E-08	6.008E-08
4.5	2.271E-09	3.785E-08	3.785E-08	3.993E-08
7.5	9.838E-10	1.640E-08	1.640E-08	1.884E-08
15.0	3.343E-10	5.571E-09	5.571E-09	8.098E-09
25.0	1.521E-10	2.535E-09	2.535E-09	4.933E-09
35.0	8.833E-11	1.472E-09	1.472E-09	3.735E-09
45.0	5.719E-11	9.531E-10	9.531E-10	3.098E-09
55.0	3.992E-11	6.653E-10	6.653E-10	2.708E-09
65.0	2.874E-11	4.790E-10	4.790E-10	2.434E-09
75.0	2.139E-11	3.565E-10	3.565E-10	2.234E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.997E-07	3.329E-06	3.329E-06	3.321E-06	9.045E-01	8.459E-01	4.101E-01	2.152E-01	2.590E-07	3.753E-06
2.5	8.923E-08	1.487E-06	1.487E-06	1.484E-06	4.939E-01	4.799E-01	2.882E-01	1.877E-01	3.567E-07	2.656E-06
3.5	5.134E-08	8.557E-07	8.556E-07	8.537E-07	3.245E-01	3.201E-01	2.175E-01	1.591E-01	4.319E-07	2.026E-06
4.5	3.349E-08	5.581E-07	5.581E-07	5.568E-07	2.342E-01	2.326E-01	1.713E-01	1.340E-01	4.841E-07	1.608E-06
7.5	1.397E-08	2.328E-07	2.328E-07	2.323E-07	1.188E-01	1.187E-01	9.942E-02	8.494E-02	5.564E-07	9.431E-07
15.0	4.308E-09	7.181E-08	7.180E-08	7.164E-08	4.684E-02	4.687E-02	4.395E-02	4.063E-02	5.647E-07	4.226E-07

25.0	1.831E-09	3.052E-08	3.051E-08	3.044E-08	2.332E-02	2.334E-02	2.288E-02	2.217E-02	5.299E-07	2.227E-07
35.0	1.045E-09	1.742E-08	1.742E-08	1.738E-08	1.470E-02	1.471E-02	1.463E-02	1.443E-02	4.966E-07	1.431E-07
45.0	6.849E-10	1.142E-08	1.141E-08	1.139E-08	1.038E-02	1.039E-02	1.039E-02	1.033E-02	4.683E-07	1.019E-07
55.0	4.921E-10	8.202E-09	8.202E-09	8.183E-09	7.897E-03	7.902E-03	7.918E-03	7.905E-03	4.444E-07	7.777E-08
65.0	3.681E-10	6.135E-09	6.135E-09	6.121E-09	6.222E-03	6.225E-03	6.246E-03	6.250E-03	4.239E-07	6.139E-08
75.0	2.864E-10	4.774E-09	4.774E-09	4.763E-09	5.062E-03	5.065E-03	5.086E-03	5.095E-03	4.060E-07	5.001E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	3.356E-01	5.593E+00	5.590E+00	5.590E+00	0.000E+00	6.260E+00	6.260E+00	6.260E+00	4.690E-02
2.5	1.373E-01	2.289E+00	2.288E+00	2.288E+00	0.000E+00	2.668E+00	2.668E+00	2.668E+00	6.460E-02
3.5	7.414E-02	1.236E+00	1.235E+00	1.235E+00	0.000E+00	1.489E+00	1.489E+00	1.489E+00	7.822E-02
4.5	4.603E-02	7.671E-01	7.668E-01	7.668E-01	0.000E+00	9.510E-01	9.510E-01	9.510E-01	8.767E-02
7.5	1.749E-02	2.914E-01	2.913E-01	2.913E-01	0.000E+00	3.853E-01	3.853E-01	3.853E-01	1.008E-01
15.0	4.855E-03	8.092E-02	8.089E-02	8.089E-02	0.000E+00	1.180E-01	1.180E-01	1.180E-01	1.023E-01
25.0	1.948E-03	3.247E-02	3.246E-02	3.246E-02	0.000E+00	5.094E-02	5.094E-02	5.094E-02	9.596E-02
35.0	1.065E-03	1.776E-02	1.775E-02	1.775E-02	0.000E+00	2.940E-02	2.940E-02	2.940E-02	8.993E-02
45.0	6.686E-04	1.114E-02	1.114E-02	1.114E-02	0.000E+00	1.936E-02	1.936E-02	1.936E-02	8.482E-02
55.0	4.602E-04	7.670E-03	7.667E-03	7.667E-03	0.000E+00	1.393E-02	1.393E-02	1.393E-02	8.048E-02
65.0	3.284E-04	5.474E-03	5.472E-03	5.472E-03	0.000E+00	1.040E-02	1.040E-02	1.040E-02	7.676E-02
75.0	2.436E-04	4.061E-03	4.059E-03	4.059E-03	0.000E+00	8.071E-03	8.071E-03	8.071E-03	7.352E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	8.741E-09	1.457E-07	1.457E-07	1.461E-07
2.5	3.577E-09	5.962E-08	5.962E-08	6.055E-08
3.5	1.931E-09	3.219E-08	3.219E-08	3.341E-08
4.5	1.199E-09	1.998E-08	1.998E-08	2.139E-08
7.5	4.555E-10	7.591E-09	7.591E-09	9.243E-09
15.0	1.265E-10	2.108E-09	2.108E-09	3.797E-09
25.0	5.075E-11	8.458E-10	8.458E-10	2.434E-09
35.0	2.775E-11	4.625E-10	4.625E-10	1.951E-09
45.0	1.741E-11	2.902E-10	2.902E-10	1.695E-09
55.0	1.199E-11	1.998E-10	1.998E-10	1.532E-09
65.0	8.556E-12	1.426E-10	1.426E-10	1.414E-09
75.0	6.346E-12	1.058E-10	1.058E-10	1.323E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.844E-06	4.740E-05	4.740E-05	4.729E-05	1.320E+01	1.044E+01	2.319E+00	5.169E-01	1.792E-07	2.444E-05
2.5	8.094E-07	1.349E-05	1.349E-05	1.346E-05	4.709E+00	4.342E+00	1.702E+00	7.269E-01	6.260E-07	1.581E-05
3.5	3.868E-07	6.447E-06	6.447E-06	6.432E-06	2.677E+00	2.587E+00	1.306E+00	7.270E-01	1.114E-06	1.200E-05
4.5	2.137E-07	3.562E-06	3.561E-06	3.553E-06	1.689E+00	1.669E+00	1.010E+00	6.573E-01	1.483E-06	9.289E-06
7.5	7.180E-08	1.197E-06	1.197E-06	1.194E-06	7.219E-01	7.216E-01	5.591E-01	4.365E-01	2.064E-06	5.206E-06
15.0	1.885E-08	3.141E-07	3.141E-07	3.134E-07	2.562E-01	2.563E-01	2.360E-01	2.111E-01	2.280E-06	2.248E-06
25.0	6.754E-09	1.126E-07	1.126E-07	1.123E-07	1.193E-01	1.194E-01	1.172E-01	1.131E-01	2.183E-06	1.139E-06
35.0	3.452E-09	5.753E-08	5.753E-08	5.740E-08	7.308E-02	7.312E-02	7.293E-02	7.216E-02	2.053E-06	7.142E-07
45.0	2.078E-09	3.464E-08	3.463E-08	3.456E-08	5.075E-02	5.077E-02	5.088E-02	5.078E-02	1.935E-06	4.997E-07
55.0	1.396E-09	2.327E-08	2.327E-08	2.322E-08	3.815E-02	3.817E-02	3.831E-02	3.834E-02	1.833E-06	3.765E-07
65.0	9.840E-10	1.640E-08	1.640E-08	1.636E-08	2.981E-02	2.982E-02	2.996E-02	3.003E-02	1.744E-06	2.946E-07
75.0	7.270E-10	1.212E-08	1.212E-08	1.209E-08	2.410E-02	2.412E-02	2.423E-02	2.430E-02	1.667E-06	2.383E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.358E+00	7.264E+01	7.261E+01	7.261E+01	0.000E+00	8.088E+01	8.088E+01	8.088E+01	3.245E-02
2.5	9.839E-01	1.640E+01	1.639E+01	1.639E+01	0.000E+00	1.983E+01	1.983E+01	1.983E+01	1.134E-01
3.5	3.895E-01	6.491E+00	6.488E+00	6.488E+00	0.000E+00	8.538E+00	8.538E+00	8.538E+00	2.017E-01
4.5	1.881E-01	3.135E+00	3.133E+00	3.133E+00	0.000E+00	4.455E+00	4.455E+00	4.455E+00	2.685E-01
7.5	5.069E-02	8.448E-01	8.444E-01	8.444E-01	0.000E+00	1.416E+00	1.416E+00	1.416E+00	3.738E-01
15.0	1.099E-02	1.831E-01	1.830E-01	1.830E-01	0.000E+00	3.860E-01	3.860E-01	3.860E-01	4.128E-01
25.0	3.604E-03	6.007E-02	6.005E-02	6.005E-02	0.000E+00	1.546E-01	1.546E-01	1.546E-01	3.952E-01
35.0	1.788E-03	2.979E-02	2.978E-02	2.978E-02	0.000E+00	8.769E-02	8.769E-02	8.769E-02	3.717E-01
45.0	1.058E-03	1.764E-02	1.763E-02	1.763E-02	0.000E+00	5.785E-02	5.785E-02	5.785E-02	3.504E-01
55.0	7.025E-04	1.171E-02	1.170E-02	1.170E-02	0.000E+00	4.193E-02	4.193E-02	4.193E-02	3.319E-01
65.0	4.891E-04	8.152E-03	8.148E-03	8.148E-03	0.000E+00	3.177E-02	3.177E-02	3.177E-02	3.159E-01
75.0	3.570E-04	5.950E-03	5.947E-03	5.947E-03	0.000E+00	2.505E-02	2.505E-02	2.505E-02	3.019E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.135E-07	1.892E-06	1.892E-06	1.888E-06
2.5	2.563E-08	4.271E-07	4.271E-07	4.280E-07
3.5	1.014E-08	1.691E-07	1.691E-07	1.720E-07

4.5	4.899E-09	8.165E-08	8.165E-08	8.591E-08
7.5	1.320E-09	2.201E-08	2.200E-08	2.815E-08
15.0	2.862E-10	4.769E-09	4.769E-09	1.160E-08
25.0	9.389E-11	1.565E-09	1.565E-09	8.109E-09
35.0	4.656E-11	7.760E-10	7.760E-10	6.932E-09
45.0	2.757E-11	4.595E-10	4.595E-10	6.263E-09
55.0	1.830E-11	3.050E-10	3.050E-10	5.802E-09
65.0	1.274E-11	2.123E-10	2.123E-10	5.445E-09
75.0	9.299E-12	1.550E-10	1.550E-10	5.156E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.406E-05	2.344E-04	2.344E-04	2.338E-04	6.390E+01	4.354E+01	6.010E+00	8.825E-01	1.990E-07	7.861E-05
2.5	1.625E-06	2.708E-05	2.708E-05	2.702E-05	9.872E+00	9.095E+00	3.161E+00	1.203E+00	8.987E-07	2.988E-05
3.5	6.717E-07	1.119E-05	1.119E-05	1.117E-05	4.614E+00	4.471E+00	2.112E+00	1.099E+00	1.541E-06	1.941E-05
4.5	3.494E-07	5.823E-06	5.823E-06	5.809E-06	2.677E+00	2.651E+00	1.541E+00	9.558E-01	2.005E-06	1.411E-05
7.5	1.102E-07	1.837E-06	1.837E-06	1.832E-06	1.041E+00	1.041E+00	7.970E-01	6.070E-01	2.697E-06	7.377E-06
15.0	2.799E-08	4.664E-07	4.664E-07	4.653E-07	3.481E-01	3.483E-01	3.204E-01	2.849E-01	2.891E-06	3.046E-06
25.0	9.871E-09	1.645E-07	1.645E-07	1.641E-07	1.575E-01	1.576E-01	1.549E-01	1.497E-01	2.732E-06	1.506E-06
35.0	5.009E-09	8.349E-08	8.348E-08	8.329E-08	9.521E-02	9.526E-02	9.509E-02	9.418E-02	2.550E-06	9.315E-07
45.0	3.000E-09	5.000E-08	5.000E-08	4.988E-08	6.558E-02	6.561E-02	6.577E-02	6.568E-02	2.391E-06	6.460E-07
55.0	2.006E-09	3.343E-08	3.343E-08	3.335E-08	4.901E-02	4.904E-02	4.923E-02	4.929E-02	2.256E-06	4.839E-07
65.0	1.408E-09	2.347E-08	2.346E-08	2.341E-08	3.814E-02	3.816E-02	3.833E-02	3.843E-02	2.140E-06	3.770E-07
75.0	1.036E-09	1.727E-08	1.727E-08	1.723E-08	3.073E-02	3.075E-02	3.090E-02	3.099E-02	2.039E-06	3.039E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.661E+01	2.769E+02	2.768E+02	2.768E+02	0.000E+00	3.112E+02	3.112E+02	3.112E+02	3.604E-02
2.5	1.434E+00	2.389E+01	2.388E+01	2.388E+01	0.000E+00	3.109E+01	3.109E+01	3.109E+01	1.628E-01
3.5	5.261E-01	8.769E+00	8.765E+00	8.765E+00	0.000E+00	1.231E+01	1.231E+01	1.231E+01	2.791E-01

4.5	2.471E-01	4.118E+00	4.116E+00	4.116E+00	0.000E+00	6.216E+00	6.216E+00	6.216E+00	3.630E-01
7.5	6.599E-02	1.100E+00	1.099E+00	1.099E+00	0.000E+00	1.924E+00	1.924E+00	1.924E+00	4.884E-01
15.0	1.470E-02	2.449E-01	2.448E-01	2.448E-01	0.000E+00	5.207E-01	5.207E-01	5.207E-01	5.236E-01
25.0	4.900E-03	8.167E-02	8.164E-02	8.164E-02	0.000E+00	2.064E-01	2.064E-01	2.064E-01	4.947E-01
35.0	2.445E-03	4.075E-02	4.073E-02	4.073E-02	0.000E+00	1.162E-01	1.162E-01	1.162E-01	4.619E-01
45.0	1.449E-03	2.415E-02	2.414E-02	2.414E-02	0.000E+00	7.611E-02	7.611E-02	7.611E-02	4.331E-01
55.0	9.602E-04	1.600E-02	1.600E-02	1.600E-02	0.000E+00	5.484E-02	5.484E-02	5.484E-02	4.085E-01
65.0	6.671E-04	1.112E-02	1.111E-02	1.111E-02	0.000E+00	4.134E-02	4.134E-02	4.134E-02	3.875E-01
75.0	4.857E-04	8.094E-03	8.091E-03	8.091E-03	0.000E+00	3.245E-02	3.245E-02	3.245E-02	3.693E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	4.327E-07	7.212E-06	7.212E-06	7.196E-06
2.5	3.734E-08	6.224E-07	6.224E-07	6.236E-07
3.5	1.370E-08	2.284E-07	2.284E-07	2.325E-07
4.5	6.436E-09	1.073E-07	1.073E-07	1.130E-07
7.5	1.719E-09	2.865E-08	2.865E-08	3.667E-08
15.0	3.828E-10	6.380E-09	6.380E-09	1.504E-08
25.0	1.276E-10	2.127E-09	2.127E-09	1.032E-08
35.0	6.369E-11	1.061E-09	1.061E-09	8.710E-09
45.0	3.775E-11	6.291E-10	6.291E-10	7.802E-09
55.0	2.501E-11	4.168E-10	4.168E-10	7.183E-09
65.0	1.738E-11	2.896E-10	2.896E-10	6.709E-09
75.0	1.265E-11	2.108E-10	2.108E-10	6.329E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.122E-07	5.203E-06	5.203E-06	5.191E-06	2.225E+00	2.100E+00	9.051E-01	3.595E-01	2.498E-07	8.093E-06
2.5	6.845E-08	1.141E-06	1.141E-06	1.138E-06	9.493E-01	9.368E-01	5.876E-01	3.389E-01	4.408E-07	5.208E-06
3.5	3.068E-08	5.113E-07	5.113E-07	5.101E-07	5.376E-01	5.357E-01	4.080E-01	2.938E-01	6.013E-07	3.716E-06
4.5	1.817E-08	3.028E-07	3.028E-07	3.021E-07	3.596E-01	3.593E-01	3.017E-01	2.452E-01	7.209E-07	2.814E-06
7.5	6.849E-09	1.141E-07	1.141E-07	1.139E-07	1.649E-01	1.650E-01	1.545E-01	1.435E-01	8.936E-07	1.489E-06
15.0	2.177E-09	3.628E-08	3.628E-08	3.620E-08	6.130E-02	6.134E-02	6.046E-02	5.907E-02	9.218E-07	5.901E-07
25.0	9.674E-10	1.612E-08	1.612E-08	1.609E-08	2.964E-02	2.965E-02	2.967E-02	2.953E-02	8.553E-07	2.911E-07

35.0	5.724E-10	9.540E-09	9.540E-09	9.518E-09	1.845E-02	1.846E-02	1.853E-02	1.855E-02	7.944E-07
1.822E-07									
45.0	3.848E-10	6.413E-09	6.413E-09	6.398E-09	1.293E-02	1.294E-02	1.299E-02	1.303E-02	7.449E-07
1.278E-07									
55.0	2.809E-10	4.682E-09	4.682E-09	4.671E-09	9.774E-03	9.780E-03	9.825E-03	9.857E-03	7.038E-07
9.665E-08									
65.0	2.128E-10	3.547E-09	3.547E-09	3.539E-09	7.658E-03	7.663E-03	7.699E-03	7.726E-03	6.692E-07
7.575E-08									
75.0	1.670E-10	2.784E-09	2.784E-09	2.777E-09	6.199E-03	6.202E-03	6.233E-03	6.255E-03	6.393E-07
6.132E-08									

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.664E-01	7.774E+00	7.770E+00	7.770E+00	0.000E+00	9.434E+00	9.434E+00	9.434E+00	4.524E-02
2.5	8.326E-02	1.388E+00	1.387E+00	1.387E+00	0.000E+00	2.129E+00	2.129E+00	2.129E+00	7.983E-02
3.5	3.430E-02	5.717E-01	5.714E-01	5.714E-01	0.000E+00	9.957E-01	9.957E-01	9.957E-01	1.089E-01
4.5	1.957E-02	3.262E-01	3.261E-01	3.261E-01	0.000E+00	6.107E-01	6.107E-01	6.107E-01	1.306E-01
7.5	7.104E-03	1.184E-01	1.184E-01	1.184E-01	0.000E+00	2.490E-01	2.490E-01	2.490E-01	1.618E-01
15.0	2.259E-03	3.764E-02	3.763E-02	3.763E-02	0.000E+00	8.621E-02	8.621E-02	8.621E-02	1.669E-01
25.0	9.918E-04	1.653E-02	1.652E-02	1.652E-02	0.000E+00	4.001E-02	4.001E-02	4.001E-02	1.549E-01
35.0	5.681E-04	9.469E-03	9.465E-03	9.465E-03	0.000E+00	2.409E-02	2.409E-02	2.409E-02	1.439E-01
45.0	3.657E-04	6.095E-03	6.093E-03	6.093E-03	0.000E+00	1.634E-02	1.634E-02	1.634E-02	1.349E-01
55.0	2.549E-04	4.248E-03	4.247E-03	4.247E-03	0.000E+00	1.199E-02	1.199E-02	1.199E-02	1.275E-01
65.0	1.835E-04	3.058E-03	3.057E-03	3.057E-03	0.000E+00	9.126E-03	9.126E-03	9.126E-03	1.212E-01
75.0	1.367E-04	2.278E-03	2.277E-03	2.277E-03	0.000E+00	7.189E-03	7.189E-03	7.189E-03	1.158E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.215E-08	2.025E-07	2.025E-07	2.028E-07
2.5	2.169E-09	3.615E-08	3.615E-08	3.739E-08
3.5	8.935E-10	1.489E-08	1.489E-08	1.666E-08
4.5	5.099E-10	8.498E-09	8.498E-09	1.064E-08
7.5	1.851E-10	3.084E-09	3.084E-09	5.758E-09
15.0	5.883E-11	9.805E-10	9.805E-10	3.744E-09
25.0	2.584E-11	4.306E-10	4.306E-10	2.996E-09
35.0	1.480E-11	2.467E-10	2.466E-10	2.629E-09
45.0	9.527E-12	1.588E-10	1.588E-10	2.393E-09
55.0	6.640E-12	1.107E-10	1.107E-10	2.222E-09
65.0	4.780E-12	7.967E-11	7.966E-11	2.087E-09
75.0	3.560E-12	5.933E-11	5.933E-11	1.977E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.123E-03	0.000E+00	0.000E+00	1.491E-04	0.000E+00	0.000E+00	0.000E+00	2.392E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.586E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.287E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.989E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.759E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.908E-05	7.898E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.772E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.976E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.940E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.776E-05	0.000E+00	1.276E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.823E-07	0.000E+00	0.000E+00	7.171E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.866E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.430E-02	0.000E+00	0.000E+00	1.541E-03	0.000E+00	0.000E+00	0.000E+00	2.205E-05
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.321E-05	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.967E-04	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.280E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.292E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.600E-04	7.028E-05	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.306E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.662E-04
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.750E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.184E-04	0.000E+00	1.059E-04
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.983E-06	0.000E+00	0.000E+00	5.973E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.202E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.894E-03	0.000E+00	0.000E+00	1.446E-04	0.000E+00	0.000E+00	0.000E+00	1.465E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.761E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.719E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.784E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.582E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.537E-05	4.015E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.445E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.879E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.958E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.116E-05	0.000E+00	3.074E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.863E-07	0.000E+00	0.000E+00	1.757E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.775E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.787E-01 0.000E+00 0.000E+00 4.894E-02 0.000E+00 0.000E+00 0.000E+00
4.618E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.856E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.018E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.492E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.982E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.710E-02 2.786E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.346E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.519E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.906E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.672E-03 0.000E+00
2.340E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.578E-04 0.000E+00 0.000E+00
1.140E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.791E-01 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.031E-04 0.000E+00 0.000E+00 2.939E-05 0.000E+00 0.000E+00 0.000E+00
2.094E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.645E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.736E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.390E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.381E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.793E-06 5.849E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.671E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.592E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.143E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.670E-06 0.000E+00
4.042E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.534E-08 0.000E+00 0.000E+00
2.424E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 6.243E-04 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.328E-03 0.000E+00 0.000E+00 4.120E-04 0.000E+00 0.000E+00 0.000E+00
4.060E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.605E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.014E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.368E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.713E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.465E-04 2.426E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.287E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.990E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.939E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.534E-05 0.000E+00
2.067E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.392E-06 0.000E+00 0.000E+00
1.007E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 6.025E-03 PERSON-REM/YR
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                              TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       4.447E-05 3.393E-05 2.749E-05 2.339E-05 9.040E-05 1.489E-04 1.450E-04 1.491E-04 1.556E-04 1.636E-04 1.715E-04
1.798E-04
     NNE     4.892E-05 3.985E-05 3.338E-05 2.883E-05 1.105E-04 1.676E-04 1.499E-04 1.458E-04 1.461E-04 1.491E-04 1.527E-04
1.571E-04
     NE      3.979E-05 3.075E-05 2.498E-05 2.116E-05 7.831E-05 1.171E-04 1.078E-04 1.082E-04 1.114E-04 1.163E-04 1.212E-04
1.265E-04
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     ENE     3.354E-05 2.430E-05 1.897E-05 1.568E-05 5.577E-05 8.356E-05 8.024E-05 8.394E-05 8.945E-05 9.579E-05 1.020E-04
1.082E-04
     E       2.883E-05 1.987E-05 1.527E-05 1.249E-05 4.385E-05 6.764E-05 6.862E-05 7.479E-05 8.208E-05 8.974E-05 9.707E-05
1.042E-04
     ESE     2.969E-05 1.996E-05 1.401E-05 1.090E-05 3.686E-05 6.257E-05 7.133E-05 8.261E-05 9.381E-05 1.047E-04 1.148E-04
1.244E-04
     SE      3.573E-05 2.038E-05 1.827E-05 1.645E-05 6.364E-05 1.087E-04 1.199E-04 1.381E-04 1.570E-04 1.756E-04 1.931E-04
2.097E-04
     SSE     6.457E-05 6.233E-05 4.798E-05 3.741E-05 1.167E-04 1.648E-04 1.638E-04 1.824E-04 2.046E-04 2.274E-04 2.491E-04
2.700E-04
     S       3.731E-04 1.409E-04 7.895E-05 5.034E-05 1.323E-04 1.993E-04 2.195E-04 2.569E-04 2.954E-04 3.326E-04 3.675E-04
4.004E-04
     SSW     1.422E-03 2.052E-04 1.067E-04 6.621E-05 1.724E-04 2.594E-04 2.804E-04 3.237E-04 3.687E-04 4.123E-04 4.533E-04
4.919E-04
     SW      1.209E-04 4.922E-05 3.331E-05 2.373E-05 8.036E-05 1.656E-04 2.060E-04 2.488E-04 2.893E-04 3.271E-04 3.622E-04
3.950E-04
     WSW     3.852E-05 1.165E-05 8.955E-06 7.331E-06 3.154E-05 7.816E-05 1.020E-04 1.243E-04 1.449E-04 1.641E-04 1.819E-04
1.985E-04
     W       4.003E-05 1.222E-05 7.496E-06 6.024E-06 2.553E-05 6.192E-05 8.004E-05 9.697E-05 1.126E-04 1.273E-04 1.408E-04
1.535E-04
     WNW     3.236E-05 2.127E-05 1.344E-05 9.993E-06 3.481E-05 6.919E-05 8.346E-05 9.832E-05 1.125E-04 1.261E-04 1.387E-04
1.506E-04
     NW      3.157E-05 2.011E-05 1.561E-05 1.305E-05 5.106E-05 9.437E-05 1.030E-04 1.143E-04 1.259E-04 1.376E-04 1.487E-04
1.595E-04
     NNW     3.856E-05 2.669E-05 2.049E-05 1.695E-05 6.523E-05 1.162E-04 1.214E-04 1.300E-04 1.395E-04 1.496E-04 1.593E-04
1.689E-04

                TOTAL DOSE COMMITMENT IS 2.370E-02 PERSON-REM/YR

                                         WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                          ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                          FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                          BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                          TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       5.308E-04 4.047E-04 3.276E-04 2.782E-04 1.070E-03 1.738E-03 1.669E-03 1.697E-03 1.756E-03 1.835E-03 1.914E-03
1.998E-03
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NNE	5.839E-04	4.755E-04	3.980E-04	3.434E-04	1.311E-03	1.969E-03	1.740E-03	1.675E-03	1.663E-03	1.687E-03	1.717E-03	1.758E-03
NE	4.750E-04	3.668E-04	2.977E-04	2.519E-04	9.280E-04	1.370E-03	1.243E-03	1.234E-03	1.260E-03	1.306E-03	1.355E-03	1.408E-03
ENE	4.003E-04	2.899E-04	2.260E-04	1.865E-04	6.593E-04	9.712E-04	9.167E-04	9.480E-04	1.002E-03	1.068E-03	1.132E-03	1.197E-03
E	3.442E-04	2.370E-04	1.818E-04	1.484E-04	5.170E-04	7.809E-04	7.774E-04	8.381E-04	9.135E-04	9.943E-04	1.072E-03	1.148E-03
ESE	3.544E-04	2.381E-04	1.667E-04	1.294E-04	4.323E-04	7.139E-04	7.994E-04	9.178E-04	1.037E-03	1.153E-03	1.262E-03	1.366E-03
SE	4.265E-04	2.430E-04	2.175E-04	1.954E-04	7.478E-04	1.244E-03	1.345E-03	1.534E-03	1.735E-03	1.934E-03	2.122E-03	2.301E-03
SSE	7.709E-04	7.438E-04	5.720E-04	4.453E-04	1.377E-03	1.897E-03	1.843E-03	2.030E-03	2.263E-03	2.506E-03	2.739E-03	2.963E-03
S	4.455E-03	1.681E-03	9.415E-04	5.990E-04	1.556E-03	2.272E-03	2.449E-03	2.841E-03	3.252E-03	3.653E-03	4.030E-03	4.386E-03
SSW	1.698E-02	2.450E-03	1.272E-03	7.878E-04	2.026E-03	2.960E-03	3.132E-03	3.583E-03	4.062E-03	4.531E-03	4.973E-03	5.391E-03
SW	1.443E-03	5.872E-04	3.965E-04	2.811E-04	9.334E-04	1.865E-03	2.283E-03	2.742E-03	3.178E-03	3.587E-03	3.968E-03	4.323E-03
WSW	4.598E-04	1.389E-04	1.062E-04	8.637E-05	3.636E-04	8.776E-04	1.131E-03	1.371E-03	1.593E-03	1.801E-03	1.993E-03	2.174E-03
W	4.779E-04	1.456E-04	8.884E-05	7.091E-05	2.942E-04	6.956E-04	8.881E-04	1.070E-03	1.239E-03	1.397E-03	1.544E-03	1.682E-03
WNW	3.863E-04	2.536E-04	1.598E-04	1.183E-04	4.053E-04	7.840E-04	9.314E-04	1.089E-03	1.241E-03	1.387E-03	1.523E-03	1.652E-03
NW	3.768E-04	2.397E-04	1.857E-04	1.548E-04	5.996E-04	1.086E-03	1.167E-03	1.282E-03	1.403E-03	1.526E-03	1.644E-03	1.758E-03
NNW	4.603E-04	3.182E-04	2.439E-04	2.013E-04	7.688E-04	1.347E-03	1.385E-03	1.469E-03	1.565E-03	1.669E-03	1.769E-03	1.870E-03

TOTAL DOSE COMMITMENT IS 2.677E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

N	2.203E-06	1.682E-06	1.365E-06	1.163E-06	4.528E-06	7.587E-06	7.518E-06	7.827E-06	8.244E-06	8.730E-06	9.206E-06	9.693E-06
NNE	2.423E-06	1.975E-06	1.656E-06	1.432E-06	5.510E-06	8.466E-06	7.690E-06	7.570E-06	7.662E-06	7.885E-06	8.128E-06	8.410E-06
NE	1.971E-06	1.524E-06	1.240E-06	1.052E-06	3.915E-06	5.948E-06	5.574E-06	5.668E-06	5.894E-06	6.194E-06	6.496E-06	6.812E-06
ENE	1.661E-06	1.205E-06	9.419E-07	7.798E-07	2.796E-06	4.279E-06	4.194E-06	4.445E-06	4.779E-06	5.150E-06	5.509E-06	5.865E-06
E	1.428E-06	9.850E-07	7.583E-07	6.219E-07	2.206E-06	3.491E-06	3.620E-06	3.995E-06	4.419E-06	4.855E-06	5.270E-06	5.672E-06
ESE	1.470E-06	9.898E-07	6.960E-07	5.438E-07	1.867E-06	3.275E-06	3.810E-06	4.456E-06	5.088E-06	5.695E-06	6.262E-06	6.797E-06
SE	1.769E-06	1.010E-06	9.078E-07	8.202E-07	3.216E-06	5.674E-06	6.403E-06	7.452E-06	8.520E-06	9.561E-06	1.054E-05	1.146E-05
SSE	3.197E-06	3.088E-06	2.380E-06	1.860E-06	5.865E-06	8.537E-06	8.709E-06	9.824E-06	1.109E-05	1.237E-05	1.359E-05	1.475E-05
S	1.847E-05	6.976E-06	3.915E-06	2.503E-06	6.681E-06	1.044E-05	1.179E-05	1.393E-05	1.609E-05	1.816E-05	2.011E-05	2.193E-05
SSW	7.038E-05	1.016E-05	5.291E-06	3.293E-06	8.705E-06	1.357E-05	1.503E-05	1.753E-05	2.007E-05	2.251E-05	2.479E-05	2.693E-05
SW	5.984E-06	2.439E-06	1.656E-06	1.187E-06	4.118E-06	8.802E-06	1.114E-05	1.354E-05	1.580E-05	1.790E-05	1.984E-05	2.165E-05
WSW	1.907E-06	5.786E-07	4.471E-07	3.691E-07	1.631E-06	4.166E-06	5.514E-06	6.759E-06	7.905E-06	8.968E-06	9.954E-06	1.087E-05
W	1.982E-06	6.068E-07	3.746E-07	3.037E-07	1.320E-06	3.298E-06	4.323E-06	5.269E-06	6.141E-06	6.953E-06	7.706E-06	8.410E-06
WNW	1.603E-06	1.055E-06	6.689E-07	5.002E-07	1.778E-06	3.650E-06	4.480E-06	5.320E-06	6.118E-06	6.873E-06	7.577E-06	8.240E-06
NW	1.564E-06	9.978E-07	7.768E-07	6.517E-07	2.582E-06	4.890E-06	5.441E-06	6.104E-06	6.774E-06	7.439E-06	8.068E-06	8.673E-06
NNW	1.910E-06	1.324E-06	1.018E-06	8.448E-07	3.283E-06	5.971E-06	6.349E-06	6.885E-06	7.450E-06	8.037E-06	8.598E-06	9.150E-06

TOTAL DOSE COMMITMENT IS 1.255E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.710E-05	2.068E-05	1.676E-05	1.426E-05	5.520E-05	9.125E-05	8.916E-05	9.189E-05	9.605E-05	1.011E-04	1.062E-04	1.114E-04
NNE	2.981E-05	2.429E-05	2.035E-05	1.757E-05	6.740E-05	1.025E-04	9.199E-05	8.965E-05	9.000E-05	9.204E-05	9.437E-05	9.722E-05
NE	2.425E-05	1.874E-05	1.523E-05	1.290E-05	4.781E-05	7.170E-05	6.624E-05	6.666E-05	6.878E-05	7.186E-05	7.501E-05	7.837E-05
ENE	2.044E-05	1.481E-05	1.157E-05	9.560E-06	3.406E-05	5.125E-05	4.941E-05	5.182E-05	5.532E-05	5.932E-05	6.322E-05	6.712E-05
E	1.757E-05	1.211E-05	9.308E-06	7.617E-06	2.680E-05	4.155E-05	4.233E-05	4.625E-05	5.084E-05	5.564E-05	6.023E-05	6.469E-05
ESE	1.809E-05	1.217E-05	8.540E-06	6.653E-06	2.256E-05	3.854E-05	4.411E-05	5.118E-05	5.819E-05	6.497E-05	7.130E-05	7.729E-05
SE	2.177E-05	1.242E-05	1.114E-05	1.004E-05	3.893E-05	6.694E-05	7.417E-05	8.558E-05	9.740E-05	1.090E-04	1.199E-04	1.303E-04
SSE	3.934E-05	3.798E-05	2.924E-05	2.282E-05	7.132E-05	1.013E-04	1.012E-04	1.130E-04	1.269E-04	1.411E-04	1.547E-04	1.677E-04
S	2.273E-04	8.583E-05	4.812E-05	3.070E-05	8.093E-05	1.228E-04	1.359E-04	1.594E-04	1.834E-04	2.066E-04	2.284E-04	2.489E-04
SSW	8.663E-04	1.251E-04	6.503E-05	4.038E-05	1.054E-04	1.597E-04	1.735E-04	2.007E-04	2.289E-04	2.561E-04	2.817E-04	3.057E-04
SW	7.365E-05	3.000E-05	2.032E-05	1.449E-05	4.929E-05	1.023E-04	1.277E-04	1.545E-04	1.797E-04	2.033E-04	2.252E-04	2.456E-04
WSW	2.347E-05	7.105E-06	5.465E-06	4.481E-06	1.938E-05	4.831E-05	6.323E-05	7.715E-05	8.999E-05	1.019E-04	1.130E-04	1.234E-04
W	2.439E-05	7.450E-06	4.576E-06	3.684E-06	1.569E-05	3.827E-05	4.961E-05	6.017E-05	6.994E-05	7.906E-05	8.752E-05	9.544E-05
WNW	1.972E-05	1.297E-05	8.196E-06	6.102E-06	2.134E-05	4.268E-05	5.167E-05	6.096E-05	6.984E-05	7.829E-05	8.618E-05	9.361E-05
NW	1.924E-05	1.226E-05	9.523E-06	7.966E-06	3.124E-05	5.801E-05	6.358E-05	7.069E-05	7.799E-05	8.532E-05	9.226E-05	9.897E-05
NNW	2.350E-05	1.627E-05	1.249E-05	1.034E-05	3.987E-05	7.132E-05	7.474E-05	8.028E-05	8.628E-05	9.263E-05	9.872E-05	1.048E-04

TOTAL DOSE COMMITMENT IS 1.463E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.139E-06	1.627E-06	1.312E-06	1.109E-06	4.187E-06	6.488E-06	5.904E-06	5.754E-06	5.753E-06	5.853E-06	5.971E-06	6.122E-06
NNE	2.354E-06	1.913E-06	1.598E-06	1.374E-06	5.186E-06	7.530E-06	6.367E-06	5.891E-06	5.655E-06	5.574E-06	5.533E-06	5.548E-06
NE	1.914E-06	1.476E-06	1.194E-06	1.006E-06	3.651E-06	5.155E-06	4.435E-06	4.217E-06	4.159E-06	4.196E-06	4.253E-06	4.340E-06
ENE	1.613E-06	1.165E-06	9.053E-07	7.430E-07	2.573E-06	3.570E-06	3.157E-06	3.115E-06	3.184E-06	3.309E-06	3.442E-06	3.587E-06
E	1.387E-06	9.522E-07	7.272E-07	5.898E-07	2.000E-06	2.801E-06	2.589E-06	2.664E-06	2.815E-06	3.001E-06	3.186E-06	3.374E-06
ESE	1.428E-06	9.571E-07	6.661E-07	5.122E-07	1.641E-06	2.446E-06	2.541E-06	2.806E-06	3.097E-06	3.395E-06	3.676E-06	3.948E-06
SE	1.720E-06	9.764E-07	8.689E-07	7.742E-07	2.858E-06	4.309E-06	4.286E-06	4.682E-06	5.165E-06	5.674E-06	6.161E-06	6.633E-06
SSE	3.109E-06	2.995E-06	2.296E-06	1.777E-06	5.343E-06	6.727E-06	5.960E-06	6.249E-06	6.774E-06	7.378E-06	7.972E-06	8.558E-06
S	1.797E-05	6.777E-06	3.782E-06	2.389E-06	5.956E-06	7.754E-06	7.626E-06	8.494E-06	9.522E-06	1.057E-05	1.157E-05	1.253E-05
SSW	6.849E-05	9.874E-06	5.110E-06	3.141E-06	7.757E-06	1.015E-05	9.812E-06	1.077E-05	1.194E-05	1.316E-05	1.432E-05	1.543E-05
SW	5.821E-06	2.362E-06	1.582E-06	1.105E-06	3.423E-06	6.049E-06	6.905E-06	8.060E-06	9.206E-06	1.031E-05	1.133E-05	1.230E-05
WSW	1.854E-06	5.562E-07	4.194E-07	3.332E-07	1.297E-06	2.813E-06	3.425E-06	4.047E-06	4.636E-06	5.194E-06	5.713E-06	6.202E-06
W	1.926E-06	5.827E-07	3.497E-07	2.727E-07	1.049E-06	2.235E-06	2.699E-06	3.168E-06	3.614E-06	4.037E-06	4.432E-06	4.805E-06
WNW	1.556E-06	1.018E-06	6.356E-07	4.638E-07	1.501E-06	2.612E-06	2.905E-06	3.284E-06	3.669E-06	4.049E-06	4.407E-06	4.748E-06
NW	1.518E-06	9.614E-07	7.398E-07	6.109E-07	2.287E-06	3.847E-06	3.875E-06	4.082E-06	4.339E-06	4.626E-06	4.904E-06	5.183E-06
NNW	1.854E-06	1.278E-06	9.740E-07	7.982E-07	2.969E-06	4.899E-06	4.755E-06	4.833E-06	4.983E-06	5.188E-06	5.394E-06	5.615E-06

TOTAL DOSE COMMITMENT IS 8.799E-04 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

METSET: DATA: CPTP4AR.MIL 01/27/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.978E-05	2.261E-05	1.818E-05	1.531E-05	5.702E-05	8.502E-05	7.377E-05	6.898E-05	6.652E-05	6.568E-05	6.524E-05	6.542E-05
NNE	3.277E-05	2.661E-05	2.218E-05	1.903E-05	7.121E-05	1.007E-04	8.199E-05	7.321E-05	6.797E-05	6.505E-05	6.281E-05	6.147E-05
NE	2.665E-05	2.051E-05	1.656E-05	1.392E-05	4.992E-05	6.803E-05	5.586E-05	5.097E-05	4.847E-05	4.746E-05	4.683E-05	4.672E-05
ENE	2.246E-05	1.620E-05	1.255E-05	1.026E-05	3.496E-05	4.618E-05	3.843E-05	3.614E-05	3.554E-05	3.588E-05	3.643E-05	3.724E-05
E	1.931E-05	1.323E-05	1.007E-05	8.125E-06	2.698E-05	3.543E-05	3.046E-05	2.975E-05	3.030E-05	3.147E-05	3.273E-05	3.412E-05
ESE	1.989E-05	1.330E-05	9.214E-06	7.034E-06	2.182E-05	2.963E-05	2.840E-05	2.990E-05	3.202E-05	3.441E-05	3.670E-05	3.898E-05
SE	2.395E-05	1.356E-05	1.202E-05	1.064E-05	3.818E-05	5.276E-05	4.803E-05	4.980E-05	5.319E-05	5.726E-05	6.126E-05	6.526E-05
SSE	4.330E-05	4.168E-05	3.186E-05	2.456E-05	7.226E-05	8.424E-05	6.793E-05	6.718E-05	7.023E-05	7.480E-05	7.953E-05	8.441E-05
S	2.504E-04	9.436E-05	5.253E-05	3.300E-05	7.971E-05	9.356E-05	8.314E-05	8.794E-05	9.581E-05	1.046E-04	1.132E-04	1.216E-04
SSW	9.542E-04	1.375E-04	7.097E-05	4.338E-05	1.038E-04	1.231E-04	1.078E-04	1.123E-04	1.208E-04	1.308E-04	1.406E-04	1.502E-04
SW	8.110E-05	3.285E-05	2.187E-05	1.509E-05	4.419E-05	6.917E-05	7.257E-05	8.155E-05	9.123E-05	1.009E-04	1.100E-04	1.187E-04
WSW	2.582E-05	7.708E-06	5.750E-06	4.487E-06	1.632E-05	3.174E-05	3.607E-05	4.119E-05	4.624E-05	5.114E-05	5.573E-05	6.010E-05
W	2.682E-05	8.071E-06	4.783E-06	3.662E-06	1.319E-05	2.529E-05	2.855E-05	3.238E-05	3.616E-05	3.986E-05	4.333E-05	4.664E-05
WNW	2.166E-05	1.413E-05	8.763E-06	6.324E-06	1.953E-05	3.074E-05	3.173E-05	3.439E-05	3.741E-05	4.056E-05	4.357E-05	4.651E-05
NW	2.112E-05	1.334E-05	1.021E-05	8.371E-06	3.052E-05	4.813E-05	4.546E-05	4.570E-05	4.691E-05	4.875E-05	5.062E-05	5.264E-05
NNW	2.581E-05	1.774E-05	1.347E-05	1.098E-05	4.001E-05	6.279E-05	5.770E-05	5.612E-05	5.581E-05	5.647E-05	5.729E-05	5.847E-05

TOTAL DOSE COMMITMENT IS 1.021E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.866E-03	2.202E-02	2.775E-03	4.241E-03	2.325E-03	9.791E-01
GROUND	6.243E-04	6.243E-04	6.243E-04	6.243E-04	6.243E-04	6.243E-04
CLOUD	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03
VEG. ING	7.940E-03	8.968E-02	7.940E-03	2.787E-02	2.213E-02	7.940E-03
MEAT ING	7.315E-05	8.529E-04	7.315E-05	2.548E-04	2.042E-04	7.315E-05
MILK ING	4.577E-05	5.310E-04	4.577E-05	1.364E-04	1.111E-04	4.577E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.657E-02	1.197E-01	1.748E-02	3.915E-02	3.142E-02	9.938E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.576E-02	1.780E-01	1.576E-02	5.532E-02	4.394E-02	1.576E-02
MEAT ING	1.182E-03	1.378E-02	1.182E-03	4.116E-03	3.300E-03	1.182E-03
MILK ING	8.341E-04	9.678E-03	8.341E-04	2.485E-03	2.025E-03	8.341E-04
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.007E+00	1.347E+01	2.348E-01	1.051E+00	1.038E+00	6.288E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.866E-03	2.202E-02	2.775E-03	4.241E-03	2.325E-03	9.791E-01
GROUND	6.243E-04	6.243E-04	6.243E-04	6.243E-04	6.243E-04	6.243E-04
CLOUD	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03	6.025E-03
VEG. ING	2.370E-02	2.677E-01	2.370E-02	8.319E-02	6.607E-02	2.370E-02
MEAT ING	1.255E-03	1.463E-02	1.255E-03	4.371E-03	3.504E-03	1.255E-03

MILK ING	8.799E-04	1.021E-02	8.799E-04	2.622E-03	2.136E-03	8.799E-04
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.023E+00	1.359E+01	2.523E-01	1.090E+00	1.069E+00	7.282E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	2.898E-08	4.829E-07	4.829E-07	4.818E-07	1.112E-02	1.854E-01	1.853E-01	1.853E-01
1	White Mesa Community	4	7.661E-09	1.277E-07	1.277E-07	1.274E-07	2.573E-02	4.288E-01	4.286E-01	4.286E-01
	CONCENTRATION TOTALS		3.664E-08	6.106E-07	6.106E-07	6.092E-07	3.685E-02	6.142E-01	6.140E-01	6.140E-01
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	1.083E-07	1.806E-06	1.806E-06	1.801E-06	4.159E-02	6.932E-01	6.929E-01	6.929E-01
2	BHV-1	4	9.058E-08	1.510E-06	1.510E-06	1.506E-06	3.042E-01	5.070E+00	5.068E+00	5.068E+00
	CONCENTRATION TOTALS		1.989E-07	3.315E-06	3.315E-06	3.308E-06	3.458E-01	5.763E+00	5.761E+00	5.761E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	3.425E-08	5.708E-07	5.708E-07	5.695E-07	1.315E-02	2.191E-01	2.191E-01	2.191E-01
3	BHV-2	4	2.292E-08	3.820E-07	3.820E-07	3.811E-07	7.697E-02	1.283E+00	1.282E+00	1.282E+00
	CONCENTRATION TOTALS		5.717E-08	9.528E-07	9.528E-07	9.506E-07	9.012E-02	1.502E+00	1.501E+00	1.501E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    7.978E-08    1.330E-06    1.330E-06    1.327E-06    3.063E-02    5.105E-01    5.102E-01
5.102E-01
  4  Nearest Resident      4    6.281E-08    1.047E-06    1.047E-06    1.044E-06    2.109E-01    3.516E+00    3.514E+00
3.514E+00
    CONCENTRATION TOTALS        1.426E-07    2.377E-06    2.376E-06    2.371E-06    2.416E-01    4.026E+00    4.024E+00
4.024E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    1.217E-08    2.028E-07    2.028E-07    2.024E-07    4.672E-03    7.787E-02    7.783E-02
7.783E-02
  5  Blanding              4    6.976E-09    1.163E-07    1.163E-07    1.160E-07    2.343E-02    3.905E-01    3.903E-01
3.903E-01
    CONCENTRATION TOTALS        1.915E-08    3.191E-07    3.191E-07    3.184E-07    2.810E-02    4.683E-01    4.682E-01
4.682E-01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    3.669E-07    6.115E-06    6.115E-06    6.101E-06    1.409E-01    2.348E+00    2.347E+00
2.347E+00
  6  Graz Loc 1            4    3.560E-07    5.934E-06    5.933E-06    5.920E-06    1.196E+00    1.993E+01    1.992E+01
1.992E+01
    CONCENTRATION TOTALS        7.229E-07    1.205E-05    1.205E-05    1.202E-05    1.337E+00    2.228E+01    2.227E+01
2.227E+01
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    7.082E-07    1.180E-05    1.180E-05    1.178E-05    2.719E-01    4.531E+00    4.530E+00
4.530E+00
  7  Graz Loc 2            4    3.997E-07    6.662E-06    6.662E-06    6.646E-06    1.342E+00    2.237E+01    2.236E+01
2.236E+01
    CONCENTRATION TOTALS        1.108E-06    1.847E-05    1.847E-05    1.842E-05    1.614E+00    2.690E+01    2.689E+01
2.689E+01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  31
 METSET:                             DATA: CPTP4AR.MIL                  01/27/08
                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0
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INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	3.523E-01	3.520E-01	2.854E-01	2.350E-01	1.431E-06	9.328E-09	1.601E-12	2.686E-06	2.788E-01	2.788E-01	2.788E-01	2.591E-01
2	7.280E-01	6.947E-01	3.669E-01	2.257E-01	4.068E-07	8.298E-10	4.699E-14	3.418E-06	5.503E-01	5.503E-01	5.503E-01	7.366E-02
3	2.698E-01	2.679E-01	1.914E-01	1.490E-01	6.450E-07	2.974E-09	3.650E-13	1.802E-06	2.122E-01	2.122E-01	2.122E-01	1.168E-01
4	5.539E-01	5.374E-01	3.126E-01	2.099E-01	4.998E-07	1.339E-09	9.915E-14	2.921E-06	4.256E-01	4.256E-01	4.256E-01	9.052E-02
5	1.113E-01	1.112E-01	9.499E-02	8.183E-02	7.507E-07	7.594E-09	2.094E-12	9.014E-07	8.811E-02	8.811E-02	8.811E-02	1.359E-01
6	2.267E+00	1.987E+00	7.248E-01	2.969E-01	2.357E-07	2.224E-10	5.996E-15	6.828E-06	1.574E+00	1.574E+00	1.574E+00	4.269E-02
7	5.989E+00	5.213E+00	1.636E+00	5.168E-01	2.746E-07	1.776E-10	3.337E-15	1.559E-05	4.129E+00	4.129E+00	4.129E+00	4.972E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.73E-03	7.72E-03	5.12E-03	2.53E-03	2.11E-03	0.00E+00
INFANT	GROUND	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
INFANT	CLOUD	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.49E-04	8.70E-04	4.91E-04	4.91E-04	4.45E-04	0.00E+00
INFANT	TOTALS	1.99E-03	8.59E-03	5.62E-03	3.02E-03	2.55E-03	2.05E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.12E-04	5.37E-03	2.26E-03	9.64E-04	6.70E-04	0.00E+00
CHILD	GROUND	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
CHILD	CLOUD	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11
CHILD	VEG. ING	5.91E-04	2.97E-03	2.61E-03	2.61E-03	1.93E-03	0.00E+00
CHILD	MEAT ING	1.72E-05	8.60E-05	8.24E-05	8.24E-05	6.06E-05	0.00E+00
CHILD	MILK ING	3.33E-05	2.29E-04	1.11E-04	1.11E-04	8.40E-05	0.00E+00
CHILD	TOTALS	1.36E-03	8.66E-03	5.06E-03	3.77E-03	2.74E-03	2.05E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.86E-04	6.37E-03	1.15E-03	4.35E-04	3.47E-04	0.00E+00
TEENAGE	GROUND	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
TEENAGE	CLOUD	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11
TEENAGE	VEG. ING	9.69E-04	1.58E-02	2.33E-03	2.33E-03	1.96E-03	0.00E+00
TEENAGE	MEAT ING	2.72E-05	4.43E-04	7.21E-05	7.21E-05	6.03E-05	0.00E+00
TEENAGE	MILK ING	4.89E-05	1.03E-03	7.14E-05	7.14E-05	6.45E-05	0.00E+00
TEENAGE	TOTALS	1.53E-03	2.36E-02	3.63E-03	2.91E-03	2.44E-03	2.05E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.36E-04	5.59E-03	9.40E-04	3.32E-04	2.45E-04	0.00E+00
ADULT	GROUND	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06	2.05E-06
ADULT	CLOUD	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11	3.74E-11
ADULT	VEG. ING	5.54E-04	6.72E-03	1.52E-03	1.52E-03	1.25E-03	0.00E+00
ADULT	MEAT ING	1.99E-05	2.45E-04	5.95E-05	5.95E-05	4.88E-05	0.00E+00
ADULT	MILK ING	9.46E-06	1.44E-04	1.77E-05	1.77E-05	1.53E-05	0.00E+00
ADULT	TOTALS	1.02E-03	1.27E-02	2.54E-03	1.93E-03	1.56E-03	2.05E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.84E-02	8.49E-03	5.20E-03	6.54E-03	3.66E-03	4.40E-01
INFANT	GROUND	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04
INFANT	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.82E-04	9.35E-04	6.12E-04	6.12E-04	5.51E-04	0.00E+00
INFANT	TOTALS	3.15E-02	1.22E-02	8.61E-03	9.95E-03	7.02E-03	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.73E-02	5.95E-03	2.29E-03	2.74E-03	1.40E-03	4.40E-01
CHILD	GROUND	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04
CHILD	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
CHILD	VEG. ING	7.21E-04	3.56E-03	3.30E-03	3.30E-03	2.44E-03	0.00E+00
CHILD	MEAT ING	2.13E-05	1.05E-04	1.05E-04	1.05E-04	7.69E-05	0.00E+00
CHILD	MILK ING	3.86E-05	2.53E-04	1.39E-04	1.39E-04	1.05E-04	0.00E+00

CHILD	TOTALS	3.08E-02	1.27E-02	8.64E-03	9.10E-03	6.83E-03	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.70E-02	7.81E-03	1.17E-03	1.20E-03	7.14E-04	4.40E-01
TEENAGE	GROUND	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04
TEENAGE	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
TEENAGE	VEG. ING	1.16E-03	1.86E-02	2.95E-03	2.95E-03	2.47E-03	0.00E+00
TEENAGE	MEAT ING	3.33E-05	5.33E-04	9.15E-05	9.15E-05	7.64E-05	0.00E+00
TEENAGE	MILK ING	5.46E-05	1.11E-03	8.94E-05	8.94E-05	7.94E-05	0.00E+00
TEENAGE	TOTALS	3.11E-02	3.09E-02	7.10E-03	7.13E-03	6.15E-03	4.43E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.70E-02	6.44E-03	9.52E-04	9.68E-04	5.51E-04	4.40E-01
ADULT	GROUND	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04
ADULT	CLOUD	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03	2.64E-03
ADULT	VEG. ING	6.71E-04	8.08E-03	1.92E-03	1.92E-03	1.58E-03	0.00E+00
ADULT	MEAT ING	2.46E-05	2.99E-04	7.56E-05	7.56E-05	6.19E-05	0.00E+00
ADULT	MILK ING	1.08E-05	1.59E-04	2.22E-05	2.22E-05	1.90E-05	0.00E+00
ADULT	TOTALS	3.05E-02	1.78E-02	5.78E-03	5.79E-03	5.02E-03	4.43E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	7.97E-03	3.72E-02	1.92E-02	1.35E-02	1.12E-02	0.00E+00
INFANT	GROUND	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05
INFANT	CLOUD	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.34E-03	8.17E-03	4.61E-03	4.61E-03	4.17E-03	0.00E+00
INFANT	TOTALS	1.03E-02	4.54E-02	2.39E-02	1.82E-02	1.54E-02	1.93E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.20E-03	2.56E-02	8.47E-03	5.16E-03	3.57E-03	0.00E+00
CHILD	GROUND	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05
CHILD	CLOUD	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10
CHILD	VEG. ING	5.54E-03	2.79E-02	2.45E-02	2.45E-02	1.81E-02	0.00E+00
CHILD	MEAT ING	1.61E-04	8.07E-04	7.73E-04	7.73E-04	5.69E-04	0.00E+00

CHILD	MILK ING	3.12E-04	2.15E-03	1.04E-03	1.04E-03	7.88E-04	0.00E+00
CHILD	TOTALS	9.24E-03	5.64E-02	3.48E-02	3.15E-02	2.30E-02	1.93E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.20E-03	3.09E-02	4.33E-03	2.33E-03	1.85E-03	0.00E+00
TEENAGE	GROUND	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05
TEENAGE	CLOUD	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10
TEENAGE	VEG. ING	9.09E-03	1.48E-01	2.18E-02	2.18E-02	1.84E-02	0.00E+00
TEENAGE	MEAT ING	2.56E-04	4.16E-03	6.76E-04	6.76E-04	5.66E-04	0.00E+00
TEENAGE	MILK ING	4.59E-04	9.63E-03	6.70E-04	6.70E-04	6.05E-04	0.00E+00
TEENAGE	TOTALS	1.20E-02	1.93E-01	2.75E-02	2.55E-02	2.14E-02	1.93E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.95E-03	2.67E-02	3.53E-03	1.78E-03	1.31E-03	0.00E+00
ADULT	GROUND	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05	1.93E-05
ADULT	CLOUD	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10	2.03E-10
ADULT	VEG. ING	5.19E-03	6.31E-02	1.42E-02	1.42E-02	1.17E-02	0.00E+00
ADULT	MEAT ING	1.87E-04	2.30E-03	5.59E-04	5.59E-04	4.58E-04	0.00E+00
ADULT	MILK ING	8.88E-05	1.35E-03	1.66E-04	1.66E-04	1.43E-04	0.00E+00
ADULT	TOTALS	7.44E-03	9.35E-02	1.85E-02	1.68E-02	1.37E-02	1.93E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.26E-02	3.74E-02	1.92E-02	1.47E-02	1.16E-02	9.10E-01
INFANT	GROUND	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03
INFANT	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.35E-03	8.18E-03	4.64E-03	4.64E-03	4.20E-03	0.00E+00
INFANT	TOTALS	6.88E-02	4.94E-02	2.77E-02	2.31E-02	1.97E-02	9.14E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	5.78E-02	2.58E-02	8.48E-03	5.66E-03	3.78E-03	9.10E-01
CHILD	GROUND	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03

CHILD	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
CHILD	VEG. ING	5.58E-03	2.80E-02	2.47E-02	2.47E-02	1.82E-02	0.00E+00
CHILD	MEAT ING	1.62E-04	8.12E-04	7.79E-04	7.79E-04	5.73E-04	0.00E+00
CHILD	MILK ING	3.14E-04	2.15E-03	1.05E-03	1.05E-03	7.94E-04	0.00E+00
CHILD	TOTALS	6.77E-02	6.06E-02	3.88E-02	3.60E-02	2.72E-02	9.14E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.68E-02	3.13E-02	4.33E-03	2.55E-03	1.95E-03	9.10E-01
TEENAGE	GROUND	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03
TEENAGE	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
TEENAGE	VEG. ING	9.15E-03	1.49E-01	2.20E-02	2.20E-02	1.86E-02	0.00E+00
TEENAGE	MEAT ING	2.57E-04	4.18E-03	6.82E-04	6.82E-04	5.70E-04	0.00E+00
TEENAGE	MILK ING	4.60E-04	9.65E-03	6.75E-04	6.75E-04	6.09E-04	0.00E+00
TEENAGE	TOTALS	7.05E-02	1.98E-01	3.15E-02	2.97E-02	2.55E-02	9.14E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.66E-02	2.70E-02	3.53E-03	1.96E-03	1.39E-03	9.10E-01
ADULT	GROUND	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03	1.15E-03
ADULT	CLOUD	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03	2.67E-03
ADULT	VEG. ING	5.23E-03	6.35E-02	1.44E-02	1.44E-02	1.18E-02	0.00E+00
ADULT	MEAT ING	1.88E-04	2.31E-03	5.63E-04	5.63E-04	4.62E-04	0.00E+00
ADULT	MILK ING	8.92E-05	1.35E-03	1.67E-04	1.67E-04	1.45E-04	0.00E+00
ADULT	TOTALS	6.59E-02	9.79E-02	2.24E-02	2.09E-02	1.76E-02	9.14E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.38E-03	1.10E-02	6.07E-03	3.91E-03	3.23E-03	0.00E+00
INFANT	GROUND	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06
INFANT	CLOUD	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.09E-04	2.13E-03	1.20E-03	1.20E-03	1.09E-03	0.00E+00
INFANT	TOTALS	3.00E-03	1.31E-02	7.28E-03	5.11E-03	4.32E-03	5.02E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.63E-04	7.58E-03	2.68E-03	1.49E-03	1.03E-03	0.00E+00

CHILD	GROUND	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06
CHILD	CLOUD	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11
CHILD	VEG. ING	1.44E-03	7.26E-03	6.38E-03	6.38E-03	4.71E-03	0.00E+00
CHILD	MEAT ING	4.20E-05	2.10E-04	2.01E-04	2.01E-04	1.48E-04	0.00E+00
CHILD	MILK ING	8.13E-05	5.60E-04	2.72E-04	2.72E-04	2.05E-04	0.00E+00
CHILD	TOTALS	2.54E-03	1.56E-02	9.53E-03	8.34E-03	6.10E-03	5.02E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.60E-04	9.12E-03	1.37E-03	6.72E-04	5.33E-04	0.00E+00
TEENAGE	GROUND	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06
TEENAGE	CLOUD	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11
TEENAGE	VEG. ING	2.37E-03	3.85E-02	5.69E-03	5.69E-03	4.80E-03	0.00E+00
TEENAGE	MEAT ING	6.66E-05	1.08E-03	1.76E-04	1.76E-04	1.47E-04	0.00E+00
TEENAGE	MILK ING	1.20E-04	2.51E-03	1.75E-04	1.75E-04	1.58E-04	0.00E+00
TEENAGE	TOTALS	3.22E-03	5.13E-02	7.41E-03	6.72E-03	5.64E-03	5.02E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.87E-04	7.92E-03	1.11E-03	5.12E-04	3.77E-04	0.00E+00
ADULT	GROUND	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06
ADULT	CLOUD	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11	5.84E-11
ADULT	VEG. ING	1.35E-03	1.64E-02	3.71E-03	3.71E-03	3.06E-03	0.00E+00
ADULT	MEAT ING	4.87E-05	5.98E-04	1.46E-04	1.46E-04	1.19E-04	0.00E+00
ADULT	MILK ING	2.31E-05	3.52E-04	4.33E-05	4.33E-05	3.74E-05	0.00E+00
ADULT	TOTALS	2.02E-03	2.53E-02	5.02E-03	4.42E-03	3.60E-03	5.02E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.27E-02	1.13E-02	6.10E-03	5.71E-03	3.93E-03	3.37E-01
INFANT	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
INFANT	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.24E-04	2.16E-03	1.26E-03	1.26E-03	1.14E-03	0.00E+00
INFANT	TOTALS	2.54E-02	1.55E-02	9.36E-03	8.97E-03	7.07E-03	3.39E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.13E-02	7.85E-03	2.69E-03	2.29E-03	1.36E-03	3.37E-01
CHILD	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
CHILD	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
CHILD	VEG. ING	1.50E-03	7.53E-03	6.69E-03	6.69E-03	4.94E-03	0.00E+00
CHILD	MEAT ING	4.39E-05	2.19E-04	2.11E-04	2.11E-04	1.56E-04	0.00E+00
CHILD	MILK ING	8.37E-05	5.71E-04	2.84E-04	2.84E-04	2.15E-04	0.00E+00
CHILD	TOTALS	2.49E-02	1.82E-02	1.19E-02	1.15E-02	8.67E-03	3.39E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.10E-02	9.77E-03	1.37E-03	1.02E-03	6.98E-04	3.37E-01
TEENAGE	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
TEENAGE	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
TEENAGE	VEG. ING	2.46E-03	3.98E-02	5.97E-03	5.97E-03	5.03E-03	0.00E+00
TEENAGE	MEAT ING	6.94E-05	1.12E-03	1.85E-04	1.85E-04	1.55E-04	0.00E+00
TEENAGE	MILK ING	1.22E-04	2.55E-03	1.83E-04	1.83E-04	1.64E-04	0.00E+00
TEENAGE	TOTALS	2.56E-02	5.53E-02	9.71E-03	9.36E-03	8.05E-03	3.39E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.09E-02	8.30E-03	1.12E-03	7.99E-04	5.15E-04	3.37E-01
ADULT	GROUND	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04
ADULT	CLOUD	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03
ADULT	VEG. ING	1.41E-03	1.71E-02	3.89E-03	3.89E-03	3.21E-03	0.00E+00
ADULT	MEAT ING	5.08E-05	6.23E-04	1.53E-04	1.53E-04	1.25E-04	0.00E+00
ADULT	MILK ING	2.37E-05	3.59E-04	4.53E-05	4.53E-05	3.90E-05	0.00E+00
ADULT	TOTALS	2.44E-02	2.83E-02	7.21E-03	6.89E-03	5.89E-03	3.39E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.78E-03	2.68E-02	1.42E-02	9.72E-03	8.03E-03	0.00E+00
INFANT	GROUND	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05
INFANT	CLOUD	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.63E-03	5.70E-03	3.22E-03	3.22E-03	2.92E-03	0.00E+00
INFANT	TOTALS	7.42E-03	3.26E-02	1.74E-02	1.29E-02	1.10E-02	1.35E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.33E-03	1.85E-02	6.24E-03	3.70E-03	2.56E-03	0.00E+00
CHILD	GROUND	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05
CHILD	CLOUD	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10
CHILD	VEG. ING	3.87E-03	1.95E-02	1.71E-02	1.71E-02	1.26E-02	0.00E+00
CHILD	MEAT ING	1.13E-04	5.64E-04	5.40E-04	5.40E-04	3.97E-04	0.00E+00
CHILD	MILK ING	2.18E-04	1.50E-03	7.28E-04	7.28E-04	5.51E-04	0.00E+00
CHILD	TOTALS	6.54E-03	4.01E-02	2.46E-02	2.21E-02	1.61E-02	1.35E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.60E-03	2.23E-02	3.19E-03	1.67E-03	1.33E-03	0.00E+00
TEENAGE	GROUND	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05
TEENAGE	CLOUD	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10
TEENAGE	VEG. ING	6.35E-03	1.03E-01	1.53E-02	1.53E-02	1.29E-02	0.00E+00
TEENAGE	MEAT ING	1.79E-04	2.91E-03	4.72E-04	4.72E-04	3.95E-04	0.00E+00
TEENAGE	MILK ING	3.21E-04	6.73E-03	4.68E-04	4.68E-04	4.23E-04	0.00E+00
TEENAGE	TOTALS	8.46E-03	1.35E-01	1.94E-02	1.79E-02	1.50E-02	1.35E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.42E-03	1.93E-02	2.60E-03	1.27E-03	9.37E-04	0.00E+00
ADULT	GROUND	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05	1.35E-05
ADULT	CLOUD	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10	1.46E-10
ADULT	VEG. ING	3.63E-03	4.41E-02	9.95E-03	9.95E-03	8.20E-03	0.00E+00
ADULT	MEAT ING	1.31E-04	1.60E-03	3.90E-04	3.90E-04	3.20E-04	0.00E+00
ADULT	MILK ING	6.20E-05	9.43E-04	1.16E-04	1.16E-04	1.00E-04	0.00E+00
ADULT	TOTALS	5.25E-03	6.59E-02	1.31E-02	1.17E-02	9.57E-03	1.35E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.74E-02	2.71E-02	1.42E-02	1.11E-02	8.58E-03	6.92E-01
INFANT	GROUND	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04
INFANT	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	1.65E-03	5.73E-03	3.26E-03	3.26E-03	2.95E-03	0.00E+00
INFANT	TOTALS	5.23E-02	3.61E-02	2.07E-02	1.76E-02	1.48E-02	6.96E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.39E-02	1.87E-02	6.25E-03	4.32E-03	2.82E-03	6.92E-01
CHILD	GROUND	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04
CHILD	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
CHILD	VEG. ING	3.92E-03	1.97E-02	1.73E-02	1.73E-02	1.28E-02	0.00E+00
CHILD	MEAT ING	1.14E-04	5.70E-04	5.48E-04	5.48E-04	4.03E-04	0.00E+00
CHILD	MILK ING	2.20E-04	1.51E-03	7.38E-04	7.38E-04	5.58E-04	0.00E+00
CHILD	TOTALS	5.14E-02	4.37E-02	2.81E-02	2.62E-02	1.98E-02	6.96E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.32E-02	2.28E-02	3.19E-03	1.94E-03	1.45E-03	6.92E-01
TEENAGE	GROUND	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04
TEENAGE	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
TEENAGE	VEG. ING	6.42E-03	1.04E-01	1.55E-02	1.55E-02	1.30E-02	0.00E+00
TEENAGE	MEAT ING	1.81E-04	2.94E-03	4.79E-04	4.79E-04	4.01E-04	0.00E+00
TEENAGE	MILK ING	3.22E-04	6.76E-03	4.74E-04	4.74E-04	4.28E-04	0.00E+00
TEENAGE	TOTALS	5.34E-02	1.40E-01	2.29E-02	2.16E-02	1.86E-02	6.96E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.30E-02	1.96E-02	2.60E-03	1.50E-03	1.04E-03	6.92E-01
ADULT	GROUND	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04	8.09E-04
ADULT	CLOUD	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03
ADULT	VEG. ING	3.67E-03	4.45E-02	1.01E-02	1.01E-02	8.32E-03	0.00E+00
ADULT	MEAT ING	1.32E-04	1.62E-03	3.96E-04	3.96E-04	3.25E-04	0.00E+00
ADULT	MILK ING	6.25E-05	9.49E-04	1.18E-04	1.18E-04	1.02E-04	0.00E+00
ADULT	TOTALS	5.01E-02	7.00E-02	1.65E-02	1.54E-02	1.30E-02	6.96E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.18E-04	3.75E-03	2.16E-03	1.31E-03	1.09E-03	0.00E+00
INFANT	GROUND	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06
INFANT	CLOUD	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.90E-04	6.64E-04	3.74E-04	3.74E-04	3.39E-04	0.00E+00
INFANT	TOTALS	1.01E-03	4.41E-03	2.53E-03	1.69E-03	1.43E-03	1.56E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.32E-04	2.59E-03	9.50E-04	4.99E-04	3.46E-04	0.00E+00
CHILD	GROUND	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06
CHILD	CLOUD	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11
CHILD	VEG. ING	4.51E-04	2.26E-03	1.99E-03	1.99E-03	1.47E-03	0.00E+00
CHILD	MEAT ING	1.31E-05	6.56E-05	6.28E-05	6.28E-05	4.62E-05	0.00E+00
CHILD	MILK ING	2.54E-05	1.75E-04	8.47E-05	8.47E-05	6.40E-05	0.00E+00
CHILD	TOTALS	8.22E-04	5.10E-03	3.09E-03	2.64E-03	1.93E-03	1.56E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.27E-04	3.11E-03	4.85E-04	2.25E-04	1.79E-04	0.00E+00
TEENAGE	GROUND	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06
TEENAGE	CLOUD	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11
TEENAGE	VEG. ING	7.39E-04	1.20E-02	1.78E-03	1.78E-03	1.50E-03	0.00E+00
TEENAGE	MEAT ING	2.08E-05	3.38E-04	5.50E-05	5.50E-05	4.60E-05	0.00E+00
TEENAGE	MILK ING	3.73E-05	7.82E-04	5.44E-05	5.44E-05	4.92E-05	0.00E+00
TEENAGE	TOTALS	1.03E-03	1.62E-02	2.37E-03	2.11E-03	1.77E-03	1.56E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.03E-04	2.70E-03	3.96E-04	1.72E-04	1.27E-04	0.00E+00
ADULT	GROUND	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06
ADULT	CLOUD	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11	1.95E-11
ADULT	VEG. ING	4.22E-04	5.13E-03	1.16E-03	1.16E-03	9.54E-04	0.00E+00
ADULT	MEAT ING	1.52E-05	1.87E-04	4.54E-05	4.54E-05	3.72E-05	0.00E+00
ADULT	MILK ING	7.22E-06	1.10E-04	1.35E-05	1.35E-05	1.17E-05	0.00E+00
ADULT	TOTALS	6.49E-04	8.13E-03	1.61E-03	1.39E-03	1.13E-03	1.56E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.29E-03	4.15E-03	2.19E-03	3.41E-03	1.90E-03	1.39E-01

INFANT	GROUND	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04
INFANT	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.07E-04	6.98E-04	4.38E-04	4.38E-04	3.95E-04	0.00E+00
INFANT	TOTALS	1.05E-02	5.86E-03	3.65E-03	4.87E-03	3.31E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.74E-03	2.90E-03	9.68E-04	1.43E-03	7.31E-04	1.39E-01
CHILD	GROUND	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04
CHILD	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
CHILD	VEG. ING	5.19E-04	2.57E-03	2.35E-03	2.35E-03	1.74E-03	0.00E+00
CHILD	MEAT ING	1.53E-05	7.54E-05	7.45E-05	7.45E-05	5.48E-05	0.00E+00
CHILD	MILK ING	2.81E-05	1.87E-04	9.96E-05	9.96E-05	7.49E-05	0.00E+00
CHILD	TOTALS	1.03E-02	6.75E-03	4.51E-03	4.98E-03	3.61E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.64E-03	3.86E-03	4.93E-04	6.26E-04	3.71E-04	1.39E-01
TEENAGE	GROUND	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04
TEENAGE	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
TEENAGE	VEG. ING	8.41E-04	1.35E-02	2.10E-03	2.10E-03	1.76E-03	0.00E+00
TEENAGE	MEAT ING	2.40E-05	3.85E-04	6.51E-05	6.51E-05	5.44E-05	0.00E+00
TEENAGE	MILK ING	4.03E-05	8.26E-04	6.39E-05	6.39E-05	5.70E-05	0.00E+00
TEENAGE	TOTALS	1.06E-02	1.96E-02	3.74E-03	3.87E-03	3.26E-03	1.40E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.60E-03	3.15E-03	4.02E-04	5.05E-04	2.87E-04	1.39E-01
ADULT	GROUND	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04
ADULT	CLOUD	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04	9.14E-04
ADULT	VEG. ING	4.84E-04	5.84E-03	1.37E-03	1.37E-03	1.13E-03	0.00E+00
ADULT	MEAT ING	1.76E-05	2.15E-04	5.38E-05	5.38E-05	4.41E-05	0.00E+00
ADULT	MILK ING	7.90E-06	1.18E-04	1.59E-05	1.59E-05	1.36E-05	0.00E+00
ADULT	TOTALS	1.01E-02	1.03E-02	2.86E-03	2.96E-03	2.49E-03	1.40E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	2.82E-02	1.32E-01	6.52E-02	4.91E-02	4.05E-02	0.00E+00
INFANT	GROUND	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05
INFANT	CLOUD	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.04E-03	3.16E-02	1.78E-02	1.78E-02	1.61E-02	0.00E+00
INFANT	TOTALS	3.73E-02	1.64E-01	8.30E-02	6.70E-02	5.67E-02	7.44E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.13E-02	9.11E-02	2.87E-02	1.87E-02	1.29E-02	0.00E+00
CHILD	GROUND	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05
CHILD	CLOUD	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10
CHILD	VEG. ING	2.14E-02	1.08E-01	9.46E-02	9.46E-02	6.98E-02	0.00E+00
CHILD	MEAT ING	6.23E-04	3.12E-03	2.99E-03	2.99E-03	2.20E-03	0.00E+00
CHILD	MILK ING	1.21E-03	8.30E-03	4.03E-03	4.03E-03	3.05E-03	0.00E+00
CHILD	TOTALS	3.46E-02	2.10E-01	1.30E-01	1.20E-01	8.81E-02	7.44E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	7.76E-03	1.10E-01	1.47E-02	8.45E-03	6.69E-03	0.00E+00
TEENAGE	GROUND	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05
TEENAGE	CLOUD	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10
TEENAGE	VEG. ING	3.51E-02	5.71E-01	8.44E-02	8.44E-02	7.12E-02	0.00E+00
TEENAGE	MEAT ING	9.88E-04	1.61E-02	2.61E-03	2.61E-03	2.19E-03	0.00E+00
TEENAGE	MILK ING	1.77E-03	3.72E-02	2.59E-03	2.59E-03	2.34E-03	0.00E+00
TEENAGE	TOTALS	4.57E-02	7.35E-01	1.04E-01	9.81E-02	8.24E-02	7.44E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	6.86E-03	9.52E-02	1.19E-02	6.44E-03	4.73E-03	0.00E+00
ADULT	GROUND	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05	7.44E-05
ADULT	CLOUD	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10	7.38E-10
ADULT	VEG. ING	2.01E-02	2.44E-01	5.50E-02	5.50E-02	4.54E-02	0.00E+00
ADULT	MEAT ING	7.22E-04	8.88E-03	2.16E-03	2.16E-03	1.77E-03	0.00E+00
ADULT	MILK ING	3.43E-04	5.22E-03	6.42E-04	6.42E-04	5.55E-04	0.00E+00
ADULT	TOTALS	2.81E-02	3.53E-01	6.99E-02	6.44E-02	5.25E-02	7.44E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.98E-01	1.33E-01	6.52E-02	4.98E-02	4.08E-02	2.83E+00
INFANT	GROUND	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03
INFANT	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	9.04E-03	3.16E-02	1.78E-02	1.78E-02	1.61E-02	0.00E+00
INFANT	TOTALS	2.15E-01	1.72E-01	9.12E-02	7.58E-02	6.51E-02	2.84E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.81E-01	9.12E-02	2.87E-02	1.90E-02	1.31E-02	2.83E+00
CHILD	GROUND	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03
CHILD	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
CHILD	VEG. ING	2.15E-02	1.08E-01	9.47E-02	9.47E-02	6.99E-02	0.00E+00
CHILD	MEAT ING	6.24E-04	3.12E-03	2.99E-03	2.99E-03	2.20E-03	0.00E+00
CHILD	MILK ING	1.21E-03	8.31E-03	4.03E-03	4.03E-03	3.05E-03	0.00E+00
CHILD	TOTALS	2.13E-01	2.19E-01	1.39E-01	1.29E-01	9.64E-02	2.84E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.78E-01	1.11E-01	1.47E-02	8.57E-03	6.75E-03	2.83E+00
TEENAGE	GROUND	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03
TEENAGE	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
TEENAGE	VEG. ING	3.52E-02	5.72E-01	8.45E-02	8.45E-02	7.12E-02	0.00E+00
TEENAGE	MEAT ING	9.89E-04	1.61E-02	2.62E-03	2.62E-03	2.19E-03	0.00E+00
TEENAGE	MILK ING	1.77E-03	3.72E-02	2.59E-03	2.59E-03	2.34E-03	0.00E+00
TEENAGE	TOTALS	2.24E-01	7.44E-01	1.13E-01	1.06E-01	9.07E-02	2.84E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.77E-01	9.53E-02	1.19E-02	6.54E-03	4.78E-03	2.83E+00
ADULT	GROUND	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03	4.34E-03
ADULT	CLOUD	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03	3.85E-03
ADULT	VEG. ING	2.01E-02	2.44E-01	5.51E-02	5.51E-02	4.54E-02	0.00E+00
ADULT	MEAT ING	7.23E-04	8.88E-03	2.16E-03	2.16E-03	1.77E-03	0.00E+00
ADULT	MILK ING	3.43E-04	5.22E-03	6.42E-04	6.42E-04	5.55E-04	0.00E+00
ADULT	TOTALS	2.06E-01	3.62E-01	7.80E-02	7.26E-02	6.07E-02	2.84E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.75E-02	2.17E-01	1.25E-01	7.59E-02	6.29E-02	0.00E+00
INFANT	GROUND	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05
INFANT	CLOUD	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.09E-02	3.81E-02	2.15E-02	2.15E-02	1.95E-02	0.00E+00
INFANT	TOTALS	5.85E-02	2.55E-01	1.47E-01	9.75E-02	8.24E-02	8.99E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.93E-02	1.50E-01	5.53E-02	2.89E-02	2.00E-02	0.00E+00
CHILD	GROUND	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05
CHILD	CLOUD	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09
CHILD	VEG. ING	2.59E-02	1.30E-01	1.14E-01	1.14E-01	8.43E-02	0.00E+00
CHILD	MEAT ING	7.53E-04	3.77E-03	3.61E-03	3.61E-03	2.65E-03	0.00E+00
CHILD	MILK ING	1.46E-03	1.00E-02	4.87E-03	4.87E-03	3.68E-03	0.00E+00
CHILD	TOTALS	4.74E-02	2.94E-01	1.78E-01	1.52E-01	1.11E-01	8.99E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.32E-02	1.80E-01	2.82E-02	1.30E-02	1.04E-02	0.00E+00
TEENAGE	GROUND	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05
TEENAGE	CLOUD	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09
TEENAGE	VEG. ING	4.25E-02	6.90E-01	1.02E-01	1.02E-01	8.59E-02	0.00E+00
TEENAGE	MEAT ING	1.19E-03	1.94E-02	3.16E-03	3.16E-03	2.64E-03	0.00E+00
TEENAGE	MILK ING	2.14E-03	4.49E-02	3.13E-03	3.13E-03	2.82E-03	0.00E+00
TEENAGE	TOTALS	5.91E-02	9.35E-01	1.37E-01	1.21E-01	1.02E-01	8.99E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.18E-02	1.57E-01	2.30E-02	9.95E-03	7.33E-03	0.00E+00
ADULT	GROUND	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05	8.99E-05
ADULT	CLOUD	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09	1.13E-09
ADULT	VEG. ING	2.43E-02	2.94E-01	6.65E-02	6.65E-02	5.48E-02	0.00E+00
ADULT	MEAT ING	8.72E-04	1.07E-02	2.61E-03	2.61E-03	2.14E-03	0.00E+00
ADULT	MILK ING	4.14E-04	6.30E-03	7.75E-04	7.75E-04	6.70E-04	0.00E+00
ADULT	TOTALS	3.74E-02	4.68E-01	9.30E-02	7.99E-02	6.50E-02	8.99E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.97E-01	2.17E-01	1.25E-01	7.66E-02	6.32E-02	7.49E+00
INFANT	GROUND	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03
INFANT	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.09E-02	3.81E-02	2.15E-02	2.15E-02	1.95E-02	0.00E+00
INFANT	TOTALS	5.20E-01	2.68E-01	1.60E-01	1.11E-01	9.55E-02	7.50E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.68E-01	1.50E-01	5.53E-02	2.92E-02	2.02E-02	7.49E+00
CHILD	GROUND	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03
CHILD	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
CHILD	VEG. ING	2.59E-02	1.30E-01	1.14E-01	1.14E-01	8.44E-02	0.00E+00
CHILD	MEAT ING	7.53E-04	3.77E-03	3.61E-03	3.61E-03	2.66E-03	0.00E+00
CHILD	MILK ING	1.46E-03	1.00E-02	4.87E-03	4.87E-03	3.68E-03	0.00E+00
CHILD	TOTALS	5.09E-01	3.07E-01	1.91E-01	1.65E-01	1.24E-01	7.50E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.62E-01	1.80E-01	2.82E-02	1.32E-02	1.04E-02	7.49E+00
TEENAGE	GROUND	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03
TEENAGE	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
TEENAGE	VEG. ING	4.25E-02	6.91E-01	1.02E-01	1.02E-01	8.60E-02	0.00E+00
TEENAGE	MEAT ING	1.19E-03	1.94E-02	3.16E-03	3.16E-03	2.64E-03	0.00E+00
TEENAGE	MILK ING	2.14E-03	4.50E-02	3.13E-03	3.13E-03	2.83E-03	0.00E+00
TEENAGE	TOTALS	5.21E-01	9.48E-01	1.49E-01	1.34E-01	1.15E-01	7.50E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.61E-01	1.57E-01	2.30E-02	1.01E-02	7.39E-03	7.49E+00
ADULT	GROUND	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03
ADULT	CLOUD	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03	7.22E-03
ADULT	VEG. ING	2.43E-02	2.95E-01	6.66E-02	6.66E-02	5.49E-02	0.00E+00
ADULT	MEAT ING	8.73E-04	1.07E-02	2.61E-03	2.61E-03	2.14E-03	0.00E+00
ADULT	MILK ING	4.15E-04	6.31E-03	7.76E-04	7.76E-04	6.71E-04	0.00E+00
ADULT	TOTALS	4.99E-01	4.81E-01	1.06E-01	9.29E-02	7.79E-02	7.50E+00

0Program execution time = 0.22 seconds

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     JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM
FREQWS=0.16450,0.42790,0.27580,0.10570,0.02100,0.00500

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.3100	0.2800	0.5700	0.4400	0.4300	0.3600	0.5400	0.5900	0.6200	0.4000	0.3200	0.2900	0.2600	0.2000	0.1900	0.2500	6.0500
5.5	0.2100	0.2400	0.2900	0.3500	0.3300	0.4400	0.8600	1.3000	1.5300	1.4900	0.8700	0.5300	0.3400	0.2600	0.2500	0.2600	9.5500
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.5200	0.5200	0.8600	0.7900	0.7600	0.8000	1.4000	1.8900	2.1500	1.8900	1.1900	0.8200	0.6000	0.4600	0.4400	0.5100	15.6000
STABILITY CLASS 2																	
1.5	0.0700	0.0700	0.1100	0.0700	0.0400	0.0300	0.0500	0.0500	0.0400	0.0400	0.0200	0.0100	0.0300	0.0100	0.0300	0.0200	0.6900
5.5	0.0500	0.1700	0.1900	0.1200	0.0900	0.1800	0.3700	0.8400	1.1200	1.0400	0.5600	0.2700	0.1600	0.1600	0.1300	0.0800	5.5300
10.0	0.0600	0.0600	0.0700	0.0800	0.0500	0.0800	0.3000	0.4500	0.6100	0.8800	0.4600	0.2400	0.1300	0.0700	0.0900	0.1400	3.7700
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.1800	0.3000	0.3700	0.2700	0.1800	0.2900	0.7200	1.3400	1.7700	1.9600	1.0400	0.5200	0.3200	0.2400	0.2500	0.2400	9.9900

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  STABILITY CLASS 3
  1.5 0.0600 0.1300 0.0900 0.0300 0.0000 0.0100 0.0200 0.0200 0.0100 0.0200 0.0100 0.0000 0.0300 0.0300 0.0100 0.0100    0.4800
  5.5 0.1100 0.3500 0.2600 0.0400 0.0200 0.0600 0.1600 0.2400 0.2100 0.2500 0.1900 0.0900 0.0500 0.0500 0.0600 0.0400    2.1800
 10.0 0.1400 0.1200 0.1900 0.1100 0.0900 0.0800 0.3100 0.5800 1.1600 1.5800 1.1400 0.5000 0.2900 0.3100 0.4500 0.4000    7.4500
 15.5 0.0500 0.0300 0.0100 0.0200 0.0100 0.0100 0.0700 0.0500 0.1500 0.2700 0.2500 0.1700 0.1100 0.0700 0.1200 0.1100    1.5000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  0.3600 0.6300 0.5500 0.2000 0.1200 0.1600 0.5600 0.8900 1.5300 2.1200 1.5900 0.7600 0.4800 0.4600 0.6400 0.5600   11.6100
 ------------------------------------------------------------------------------------------------------------------------------
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  STABILITY CLASS 4
  1.5 0.1400 0.3400 0.2300 0.0300 0.0100 0.0100 0.0100 0.0400 0.0500 0.0400 0.0300 0.0100 0.0200 0.0400 0.0300 0.0200    1.0500
  5.5 1.9800 4.6200 1.6600 0.2000 0.0800 0.1000 0.2600 0.2900 0.4200 0.3200 0.2900 0.2300 0.2300 0.3000 0.4000 0.6200   12.0000
 10.0 1.8500 1.6900 0.5000 0.1300 0.0900 0.1600 0.4400 0.3300 0.6800 0.7300 0.4800 0.4000 0.3500 0.4200 0.9100 2.0700   11.2300
 15.5 0.4300 0.3400 0.2900 0.0800 0.0300 0.0700 0.2400 0.1600 0.6800 1.4800 1.1000 0.8500 0.6000 0.2100 0.9500 1.5600    9.0700
 21.5 0.0500 0.1100 0.0700 0.0000 0.0000 0.0000 0.0100 0.0300 0.2200 0.5000 0.2400 0.1500 0.1100 0.0200 0.2200 0.3700    2.1000
 28.0 0.0200 0.0300 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0400 0.1800 0.1200 0.0300 0.0300 0.0000 0.0200 0.0300    0.5000
 ALL  4.4700 7.1300 2.7500 0.4400 0.2100 0.3400 0.9600 0.8500 2.0900 3.2500 2.2600 1.6700 1.3400 0.9900 2.5300 4.6700   35.9500
 ------------------------------------------------------------------------------------------------------------------------------
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  STABILITY CLASS 5
  1.5 0.1400 0.3000 0.2100 0.0400 0.0500 0.0300 0.0300 0.0400 0.0600 0.0500 0.0300 0.0200 0.0300 0.0300 0.0300 0.0400    1.1300
  5.5 1.8700 2.8700 0.7700 0.1100 0.0800 0.0700 0.0900 0.1200 0.1700 0.1300 0.1300 0.1400 0.1600 0.1700 0.3600 0.4700    7.7100
 10.0 1.5900 2.0100 0.1300 0.0000 0.0200 0.0100 0.0000 0.0200 0.0800 0.2000 0.0800 0.0700 0.0800 0.0300 0.2300 0.5800    5.1300
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  3.6000 5.1800 1.1100 0.1500 0.1500 0.1100 0.1200 0.1800 0.3100 0.3800 0.2400 0.2300 0.2700 0.2300 0.6200 1.0900   13.9700
 ------------------------------------------------------------------------------------------------------------------------------
-----
  STABILITY CLASS 6
  1.5 0.8400 0.8900 0.8500 0.4900 0.3700 0.3700 0.3400 0.3200 0.3000 0.2300 0.2200 0.2200 0.2100 0.2800 0.5000 0.6200    7.0500
  5.5 1.0300 0.9000 0.5400 0.2100 0.1400 0.1300 0.1600 0.1700 0.1800 0.1800 0.1400 0.1300 0.2100 0.2600 0.5600 0.8800    5.8200
 10.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 15.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 21.5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 28.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000    0.0000
 ALL  1.8700 1.7900 1.3900 0.7000 0.5100 0.5000 0.5000 0.4900 0.4800 0.4100 0.3600 0.3500 0.4200 0.5400 1.0600 1.5000   12.8700
 ------------------------------------------------------------------------------------------------------------------------------
-----
 ALL 11.000015.5500 7.0300 2.5500 1.9300 2.2000 4.2600 5.6400 8.330010.0100 6.6800 4.3500 3.4300 2.9200 5.5400 8.5700   99.9900
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE   3
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

  -------------------------------INDIVIDUAL RECEPTOR LOCATION DATA,   7 LOCATIONS INPUT THIS RUN-----------------------------
-
   I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE     I     LOCATION NAMES     X(KM)  Y(KM)   Z(M) DIST(KM) TYPE
  ------------------------------------------------------------------------------------------------------------------------------
-
   1  White Mesa Community   3.17  -7.85-101.00   8.47    10      5  Blanding               2.19   9.90 135.00  10.14    10
   2  BHV-1                  0.96   1.75   7.00   2.00    10      6  Graz Loc 1             0.00   0.60   0.00   0.60    10
```

3	BHV-2	1.37	4.70	50.00	4.90	10	7	Graz Loc 2	0.30	-1.70	0.00	1.73	10
4	Nearest Resident	0.85	2.59	24.00	2.73	10							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
1000.0	1000.0	2008.00	0.08	0.15	0.08	0.15	370.00	790.00	1800.00	2.50

IPACT EQUALS 1,

JC EQUALS 0, 0, 1, 1, 0, 1, 1, 1, 1, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		2.00	1

XRHO EQUALS 1.5, 2.5, 3.5, 4.5, 7.5, 15.0, 25.0, 35.0, 45.0, 55.0, 65.0, 75.0,

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	3000	0	0	0	0	0	0	260	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0
30.0-40.0	0	1900	0	0	0	0	5	300	0	0	0	0	0	0	0	0
40.0-50.0	0	0	126	0	0	0	0	70	0	0	0	0	0	10	0	0
50.0-60.0	0	0	0	824	0	0	0	0	0	0	260	0	0	0	0	0

60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	50	0	0	1500	0	0	0	150	0	100	0	0	150	0	0	0
1.0-80.0	0	4950	126	824	1500	0	5	370	410	300	360	0	0	160	0	0	0

TOTAL 1-80 KM POPULATION IS 9005 PERSONS

1REGION: 2008- Colorado Plateau C CODE: MILDOS-AREA (02/97) PAGE 5
METSET: DATA: CPTP4BR.MIL 01/27/08

FINITE ELEMENT DATA FOR SOURCE NO. 1: IPX= 1 ID= 5001

VERTEX (M) = -1.1226E+03 -8.8659E+02 -9.2141E+02 -8.8659E+02 -1.1226E+03 -6.8541E+02 -9.2141E+02 -6.8541E+02

AREA SOURCE ELEMENT NO. = 1 NODES= 1 4 2 5
AREA SOURCE ELEMENT NO. = 2 NODES= 2 5 3 6
AREA SOURCE ELEMENT NO. = 3 NODES= 4 7 5 8
AREA SOURCE ELEMENT NO. = 4 NODES= 5 8 6 9
0 NODAL COORDINATES (M):
NODE NO. = 1 XS= -1.1226E+03 YS= -8.8659E+02
NODE NO. = 2 XS= -1.1226E+03 YS= -7.8600E+02
NODE NO. = 3 XS= -1.1226E+03 YS= -6.8541E+02
NODE NO. = 4 XS= -1.0220E+03 YS= -8.8659E+02
NODE NO. = 5 XS= -1.0220E+03 YS= -7.8600E+02
NODE NO. = 6 XS= -1.0220E+03 YS= -6.8541E+02
NODE NO. = 7 XS= -9.2141E+02 YS= -8.8659E+02
NODE NO. = 8 XS= -9.2141E+02 YS= -7.8600E+02
NODE NO. = 9 XS= -9.2141E+02 YS= -6.8541E+02

1REGION: 2008- Colorado Plateau C CODE: MILDOS-AREA (02/97) PAGE 6
METSET: DATA: CPTP4BR.MIL 01/27/08

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-1.02	-0.79	-12.00	0.0405	2.71E-04	4.52E-03	4.52E-03	4.52E-03	1.02E+02	5001	3	0.00E+00	Tailings Cell 4B

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	4.20E+01	7.00E+02	7.00E+02	7.00E+02
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 2.00YRS	TSTEP 2 2.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF INFANT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.98E+02	4.44E+02	4.68E+03	6.49E+02	1.74E+02	4.10E+00	8.80E+02
BONE	1.19E+03	1.33E+03	2.17E+04	5.92E+02	5.47E+02	7.03E-02	2.10E+02
AVG.LUNG	8.09E+01	9.18E+01	3.10E+04	4.17E+03	5.07E+01	5.96E+01	3.36E+03
LIVER	7.39E+00	8.33E+00	1.16E+02	4.42E+01	2.83E+03	1.32E+00	2.54E+02
KIDNEY	1.22E+03	1.38E+03	1.21E+01	1.68E+01	1.08E+03	3.48E+01	1.32E+03

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.19E+02	4.66E+02	3.05E+03	4.63E+02	1.90E+02	3.25E+00	7.26E+02
BONE	1.27E+03	1.41E+03	1.57E+04	6.64E+02	5.94E+02	8.98E-02	2.37E+02
AVG.LUNG	5.53E+01	6.27E+01	1.96E+04	2.63E+03	5.51E+01	3.77E+01	2.12E+03
LIVER	7.86E+00	8.85E+00	8.41E+01	4.95E+01	3.08E+03	1.69E+00	2.88E+02
KIDNEY	1.30E+03	1.46E+03	8.73E+00	1.88E+01	1.16E+03	4.13E+01	1.49E+03

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.72E+02	5.26E+02	1.85E+03	3.08E+02	2.28E+02	2.91E+00	7.61E+02
BONE	1.41E+03	1.57E+03	1.18E+04	8.37E+02	7.46E+02	1.27E-01	3.00E+02
AVG.LUNG	3.06E+01	3.47E+01	8.46E+03	1.14E+03	6.67E+01	1.78E+01	9.16E+02
LIVER	8.53E+00	9.61E+00	7.57E+01	6.37E+01	3.71E+03	2.30E+00	3.52E+02
KIDNEY	1.54E+03	1.73E+03	7.71E+00	2.51E+01	1.39E+03	5.34E+01	1.85E+03

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	4.32E+02	4.82E+02	5.25E+02	1.45E+02	2.17E+02	1.82E+00	4.98E+02
BONE	1.31E+03	1.46E+03	6.11E+03	7.79E+02	7.13E+02	1.40E-01	2.66E+02
AVG.LUNG	9.87E+00	1.12E+01	0.00E+00	0.00E+00	6.38E+01	0.00E+00	0.00E+00
LIVER	7.91E+00	8.91E+00	3.92E+01	5.93E+01	3.55E+03	2.53E+00	3.12E+02
KIDNEY	1.43E+03	1.61E+03	3.99E+00	2.34E+01	1.32E+03	4.75E+01	1.64E+03

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

EFFECTIV	4.28E+02	4.99E+02	9.06E+03	1.18E+03	1.75E+02	6.52E+00	1.30E+03
BONE	1.29E+03	1.43E+03	4.21E+04	5.42E+02	5.39E+02	4.04E-02	1.75E+02
AVG.LUNG	1.65E+02	1.87E+02	6.73E+04	9.03E+03	5.00E+01	1.21E+02	7.29E+03
LIVER	7.47E+00	8.42E+00	2.06E+02	3.64E+01	2.80E+03	7.62E-01	1.98E+02
KIDNEY	1.35E+03	1.52E+03	2.12E+01	1.43E+01	1.09E+03	2.51E+01	1.10E+03

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF CHILD

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.25E+01	5.85E+01	2.58E+03	1.62E+02	8.37E+01	1.97E+00	2.05E+02
BONE	2.61E+02	2.90E+02	1.91E+04	1.86E+02	4.00E+02	5.14E-02	2.27E+01
AVG.LUNG	2.12E+01	2.47E+01	1.49E+04	1.18E+03	2.30E+01	2.70E+01	9.53E+02
LIVER	1.91E+00	2.22E+00	6.50E+01	9.12E+00	1.18E+03	5.53E-01	6.00E+01
KIDNEY	3.11E+02	3.51E+02	7.00E+00	4.42E+00	4.98E+02	1.61E+01	3.19E+02

0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.53E+01	6.14E+01	1.68E+03	1.16E+02	9.11E+01	1.56E+00	1.69E+02
BONE	2.77E+02	3.08E+02	1.38E+04	2.09E+02	4.35E+02	6.57E-02	2.57E+01
AVG.LUNG	1.45E+01	1.69E+01	9.39E+03	7.45E+02	2.50E+01	1.71E+01	6.01E+02
LIVER	2.03E+00	2.36E+00	4.70E+01	1.02E+01	1.29E+03	7.07E-01	6.78E+01
KIDNEY	3.30E+02	3.73E+02	5.07E+00	4.95E+00	5.37E+02	1.91E+01	3.61E+02

0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.95E+01	6.63E+01	9.93E+02	6.72E+01	1.10E+02	1.40E+00	1.56E+02
BONE	3.04E+02	3.38E+02	8.90E+03	2.43E+02	4.88E+02	8.34E-02	3.00E+01
AVG.LUNG	7.99E+00	9.34E+00	4.05E+03	3.22E+02	2.76E+01	7.36E+00	2.60E+02
LIVER	2.27E+00	2.56E+00	3.31E+01	1.24E+01	1.47E+03	9.15E-01	7.97E+01
KIDNEY	3.59E+02	4.05E+02	3.59E+00	5.99E+00	6.14E+02	2.35E+01	4.26E+02

0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.44E+01	6.08E+01	2.81E+02	3.15E+01	1.04E+02	8.77E-01	1.02E+02
BONE	2.82E+02	3.14E+02	4.61E+03	2.26E+02	4.67E+02	9.15E-02	2.66E+01
AVG.LUNG	2.58E+00	3.01E+00	0.00E+00	0.00E+00	2.64E+01	0.00E+00	0.00E+00
LIVER	2.11E+00	2.38E+00	1.71E+01	1.15E+01	1.41E+03	1.00E+00	7.07E+01
KIDNEY	3.33E+02	3.75E+02	1.86E+00	5.58E+00	5.82E+02	2.09E+01	3.78E+02

0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	5.91E+01	6.58E+01	5.00E+03	3.06E+02	8.76E+01	3.26E+00	3.24E+02
BONE	2.87E+02	3.20E+02	3.71E+04	1.77E+02	4.09E+02	3.06E-02	2.01E+01
AVG.LUNG	4.32E+01	4.90E+01	3.22E+04	2.56E+03	2.33E+01	5.66E+01	2.07E+03
LIVER	2.11E+00	2.37E+00	1.26E+02	8.39E+00	1.24E+03	3.39E-01	5.29E+01
KIDNEY	3.43E+02	3.87E+02	1.36E+01	3.92E+00	5.12E+02	1.18E+01	2.80E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF TEENAGE

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.26E+01	3.63E+01	1.77E+03	9.20E+01	9.06E+01	2.13E+00	9.38E+01
BONE	7.60E+02	8.46E+02	1.97E+04	7.02E+02	9.58E+02	1.23E-01	1.46E+01
AVG.LUNG	9.34E+00	1.06E+01	7.76E+03	5.21E+02	9.51E+00	1.12E+01	4.20E+02
LIVER	8.62E-01	9.71E-01	3.76E+01	5.30E+00	5.07E+02	2.37E-01	2.73E+01
KIDNEY	1.55E+02	1.75E+02	4.28E+00	5.89E+00	2.39E+02	7.74E+00	1.65E+02
0 AMAD= 3.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.43E+01	3.81E+01	1.16E+03	6.56E+01	9.87E+01	1.69E+00	7.74E+01
BONE	8.08E+02	9.00E+02	1.43E+04	7.87E+02	1.04E+03	1.57E-01	1.65E+01
AVG.LUNG	6.38E+00	7.24E+00	4.90E+03	3.29E+02	1.03E+01	7.06E+00	2.65E+02
LIVER	9.16E-01	1.03E+00	2.72E+01	5.94E+00	5.51E+02	3.03E-01	3.08E+01
KIDNEY	1.65E+02	1.86E+02	3.10E+00	6.60E+00	2.58E+02	9.18E+00	1.87E+02
0 AMAD= 7.7 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.69E+01	4.11E+01	6.62E+02	5.88E+01	1.10E+02	1.40E+00	7.18E+01
BONE	8.77E+02	9.77E+02	9.08E+03	9.49E+02	1.22E+03	2.08E-01	2.03E+01
AVG.LUNG	3.29E+00	3.74E+00	2.11E+03	1.42E+02	1.24E+01	3.30E+00	1.15E+02
LIVER	9.95E-01	1.12E+00	1.73E+01	7.11E+00	6.61E+02	4.10E-01	3.75E+01
KIDNEY	1.79E+02	2.02E+02	1.97E+00	8.61E+00	3.07E+02	1.18E+01	2.27E+02
0 AMAD=54.0 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.38E+01	3.77E+01	1.88E+02	2.76E+01	1.04E+02	8.77E-01	4.70E+01
BONE	8.14E+02	9.06E+02	4.70E+03	8.83E+02	1.17E+03	2.29E-01	1.80E+01
AVG.LUNG	1.06E+00	1.21E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
LIVER	9.23E-01	1.04E+00	8.98E+00	6.62E+00	6.32E+02	4.50E-01	3.33E+01
KIDNEY	1.66E+02	1.88E+02	1.02E+00	8.02E+00	2.91E+02	1.05E+01	2.02E+02
0 AMAD= 0.3 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	3.67E+01	4.09E+01	3.44E+03	1.58E+02	8.76E+01	3.26E+00	1.48E+02
BONE	8.08E+02	9.00E+02	3.83E+04	6.46E+02	1.01E+03	7.54E-02	1.27E+01
AVG.LUNG	1.90E+01	2.16E+01	1.68E+04	1.13E+03	9.99E+00	2.42E+01	9.11E+02
LIVER	9.51E-01	1.07E+00	6.64E+01	4.76E+00	5.33E+02	1.45E-01	2.48E+01
KIDNEY	1.71E+02	1.93E+02	7.56E+00	4.76E+00	2.56E+02	5.91E+00	1.50E+02

INHALATION DOSE CONVERSION FACTORS, MREM/YR PER PCI/M3, FOR AGE GROUP OF ADULT

0 AMAD= 1.5 æm	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.81E+01	2.02E+01	1.61E+03	5.41E+01	6.97E+01	1.64E+00	5.87E+01
BONE	2.72E+02	3.02E+02	1.97E+04	2.19E+02	5.64E+02	7.24E-02	5.82E+00
AVG.LUNG	6.22E+00	7.06E+00	6.47E+03	3.47E+02	7.92E+00	9.32E+00	2.80E+02

LIVER	6.16E-01	6.94E-01	3.42E+01	2.94E+00	4.23E+02	1.97E-01	1.82E+01
KIDNEY	1.11E+02	1.25E+02	3.89E+00	2.94E+00	1.99E+02	6.45E+00	1.10E+02

0 AMAD= 3.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.91E+01	2.12E+01	1.05E+03	3.86E+01	7.59E+01	1.30E+00	4.84E+01
BONE	2.89E+02	3.21E+02	1.43E+04	2.46E+02	6.12E+02	9.26E-02	6.58E+00
AVG.LUNG	4.25E+00	4.82E+00	4.08E+03	2.19E+02	8.61E+00	5.88E+00	1.77E+02
LIVER	6.55E-01	7.38E-01	2.47E+01	3.30E+00	4.59E+02	2.52E-01	2.05E+01
KIDNEY	1.18E+02	1.33E+02	2.81E+00	3.30E+00	2.15E+02	7.65E+00	1.25E+02

0 AMAD= 7.7 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.05E+01	2.29E+01	6.62E+02	2.80E+01	8.45E+01	1.08E+00	4.23E+01
BONE	3.13E+02	3.49E+02	9.08E+03	2.79E+02	6.78E+02	1.16E-01	7.51E+00
AVG.LUNG	2.35E+00	2.67E+00	1.76E+03	9.46E+01	9.53E+00	2.54E+00	7.63E+01
LIVER	7.11E-01	8.01E-01	1.58E+01	3.74E+00	5.08E+02	3.16E-01	2.34E+01
KIDNEY	1.28E+02	1.45E+02	1.79E+00	3.74E+00	2.36E+02	9.04E+00	1.42E+02

0 AMAD=54.0 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	1.88E+01	2.10E+01	1.88E+02	1.31E+01	8.03E+01	6.75E-01	2.77E+01
BONE	2.91E+02	3.24E+02	4.70E+03	2.60E+02	6.48E+02	1.27E-01	6.66E+00
AVG.LUNG	7.59E-01	8.61E-01	0.00E+00	0.00E+00	9.11E+00	0.00E+00	0.00E+00
LIVER	6.59E-01	7.43E-01	8.16E+00	3.49E+00	4.86E+02	3.46E-01	2.08E+01
KIDNEY	1.19E+02	1.34E+02	9.29E-01	3.49E+00	2.24E+02	8.05E+00	1.26E+02

0 AMAD= 0.3 æm

	U-238	U-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210
EFFECTIV	2.04E+01	2.27E+01	3.12E+03	9.86E+01	7.30E+01	2.72E+00	9.27E+01
BONE	2.99E+02	3.33E+02	3.83E+04	2.09E+02	5.92E+02	4.44E-02	5.29E+00
AVG.LUNG	1.27E+01	1.44E+01	1.40E+04	7.53E+02	8.33E+00	2.02E+01	6.07E+02
LIVER	6.79E-01	7.65E-01	6.64E+01	2.80E+00	4.44E+02	1.21E-01	1.65E+01
KIDNEY	1.22E+02	1.38E+02	7.56E+00	2.80E+00	2.13E+02	4.93E+00	1.00E+02

EXTERNAL WHOLE BODY DOSE CONVERSION FACTORS

	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214
GROUND, MR/YR PER PCI/M2	3.70E-06	6.12E-07	9.47E-07	2.27E-06	5.03E-08	1.10E-08	3.16E-05	1.85E-04
CLOUD, MR/YR PER PCI/M3	1.23E-04	3.59E-06	4.90E-05	1.43E-05	2.83E-06	6.34E-07	1.67E-03	1.16E-02
WORKING LEVEL CONCENTRATION FACTORS, WL PER PCI/M3			.....	.....	.....	1.03E-06	5.07E-06	3.73E-06

INGESTION DOSE CONVERSION FACTORS, MREM PER PCI INGESTED

AGE GROUP	TISSUE	U-238	U-234	Th-234	Th-230	Ra-226	Pb-210	Bi-210	Po-210

INFANT	EFFECTIV	1.61E-02	1.79E-02	8.57E-04	2.51E-02	2.11E-02	3.11E-02	3.88E-05	7.95E-02
INFANT	BONE	4.49E-02	5.43E-02	9.24E-07	4.39E-02	1.09E-01	1.86E-01	6.00E-07	3.29E-02
INFANT	LIVER	2.72E-04	3.15E-04	4.93E-07	3.74E-03	8.48E-03	3.62E-01	7.52E-06	4.48E-02
INFANT	KIDNEY	4.93E-02	5.71E-02	4.38E-07	3.53E-04	3.32E-03	1.35E-01	2.86E-04	2.23E-01
CHILD	EFFECTIV	9.95E-04	1.14E-03	5.30E-05	1.53E-03	2.38E-03	8.67E-03	1.08E-05	9.12E-03
CHILD	BONE	4.86E-03	5.43E-03	1.00E-07	3.32E-03	2.50E-02	7.86E-02	2.53E-07	2.07E-03
CHILD	LIVER	3.74E-05	4.20E-05	6.78E-08	1.45E-04	1.32E-03	8.81E-02	1.83E-06	6.88E-03
CHILD	KIDNEY	6.01E-03	6.75E-03	5.34E-08	1.54E-05	6.44E-04	3.54E-02	7.48E-05	3.44E-02
TEENAGE	EFFECTIV	7.90E-04	8.80E-04	4.22E-05	1.20E-03	4.22E-03	1.12E-02	1.40E-05	4.85E-03
TEENAGE	BONE	1.83E-02	2.05E-02	3.77E-07	3.32E-03	1.09E-01	2.35E-01	7.57E-07	1.65E-03
TEENAGE	LIVER	2.13E-05	2.39E-05	3.85E-08	5.94E-05	8.14E-04	4.75E-02	9.87E-07	3.68E-03
TEENAGE	KIDNEY	3.85E-03	4.33E-03	3.43E-08	6.80E-06	1.02E-03	2.18E-02	4.62E-05	2.04E-02
ADULT	EFFECTIV	2.55E-04	2.84E-04	1.36E-05	5.46E-04	1.32E-03	5.10E-03	6.36E-06	1.94E-03
ADULT	BONE	3.74E-03	4.18E-03	7.70E-08	1.33E-03	2.53E-02	8.10E-02	2.61E-07	4.22E-04
ADULT	LIVER	8.51E-06	9.55E-06	1.54E-08	2.20E-05	3.39E-04	2.26E-02	4.70E-07	1.60E-03
ADULT	KIDNEY	1.54E-03	1.73E-03	1.37E-08	2.52E-06	3.39E-04	1.04E-02	2.20E-05	9.29E-03

ENVIRONMENTAL CONCENTRATION FACTORS

CONCENTRATION FACTOR	FOOD TYPE	U-238	Th-230	Ra-226	Pb-210
BIV, DIMENSIONLESS	ED.ABG.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	POTATO	2.50E-03	4.20E-03	3.00E-03	4.00E-03
BIV, DIMENSIONLESS	BELOW G.	2.50E-03	4.20E-03	1.40E-02	4.00E-03
BIV, DIMENSIONLESS	FORAGE	2.50E-03	4.20E-03	1.80E-02	2.80E-02
BIV, DIMENSIONLESS	ST. FEED	2.50E-03	4.20E-03	8.20E-02	3.60E-02
FBI, PCI/KG PER PCI/DAY	MEAT	3.40E-04	2.00E-04	5.10E-04	7.10E-04
FMI, PCI/L PER PCI/DAY	MILK	6.10E-04	5.00E-06	5.90E-04	1.20E-04
FRACTION IN ED PORTION	ED.ABG.	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	POTATO	1.00E-01	1.00E-01	1.00E-01	1.00E-01

FRACTION IN ED PORTION	BELOW G.	1.00E-01	1.00E-01	1.00E-01	1.00E-01
FRACTION IN ED PORTION	FORAGE	1.00E+00	1.00E+00	1.00E+00	1.00E+00
FRACTION IN ED PORTION	ST. FEED	1.00E+00	1.00E+00	1.00E+00	1.00E+00

TIME STEP DEPENDENT VARIABLES

NO.	TIME STEP NAME	PAJUST	GFACT U-238	GFACT Th-230	GFACT Ra-226	GFACT Pb-210	TFACT U-238	TFACT Th-230	TFACT Ra-226	TFACT Pb-210
1		1.180E+00	6.225E+07	6.225E+07	6.223E+07	6.037E+07	1.622E+00	1.622E+00	1.622E+00	1.618E+00

XPFACT=2.640E+02 GPFACT(4)=1.707E+09 1.707E+09 1.679E+09 6.943E+08 TPFACT(4)=1.638E+00 1.638E+00 1.638E+00 1.624E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	3.160E-07	5.267E-06	5.267E-06	5.254E-06	1.054E+00	9.765E-01	4.518E-01	2.470E-01	3.589E-07	4.218E-06
2.5	1.597E-07	2.662E-06	2.662E-06	2.656E-06	6.315E-01	6.106E-01	3.487E-01	2.282E-01	4.937E-07	3.248E-06
3.5	9.419E-08	1.570E-06	1.570E-06	1.566E-06	4.285E-01	4.218E-01	2.762E-01	2.010E-01	6.006E-07	2.584E-06
4.5	6.243E-08	1.041E-06	1.041E-06	1.038E-06	3.156E-01	3.132E-01	2.243E-01	1.740E-01	6.775E-07	2.109E-06
7.5	2.761E-08	4.602E-07	4.602E-07	4.591E-07	1.665E-01	1.664E-01	1.375E-01	1.164E-01	7.943E-07	1.303E-06
15.0	9.548E-09	1.591E-07	1.591E-07	1.588E-07	6.864E-02	6.868E-02	6.412E-02	5.899E-02	8.297E-07	6.159E-07
25.0	4.472E-09	7.454E-08	7.454E-08	7.437E-08	3.504E-02	3.506E-02	3.434E-02	3.319E-02	7.920E-07	3.340E-07
35.0	2.713E-09	4.522E-08	4.522E-08	4.511E-08	2.244E-02	2.245E-02	2.232E-02	2.201E-02	7.492E-07	2.184E-07
45.0	1.852E-09	3.087E-08	3.087E-08	3.079E-08	1.603E-02	1.604E-02	1.603E-02	1.595E-02	7.112E-07	1.573E-07
55.0	1.367E-09	2.278E-08	2.278E-08	2.273E-08	1.229E-02	1.230E-02	1.233E-02	1.231E-02	6.781E-07	1.211E-07
65.0	1.046E-09	1.744E-08	1.744E-08	1.740E-08	9.763E-03	9.768E-03	9.802E-03	9.810E-03	6.493E-07	9.635E-08
75.0	8.294E-10	1.382E-08	1.382E-08	1.379E-08	7.999E-03	8.003E-03	8.036E-03	8.053E-03	6.240E-07	7.902E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210

1.5	5.668E-01	9.446E+00	9.442E+00	9.442E+00	0.000E+00	1.022E+01	1.022E+01	1.022E+01	6.500E-02
2.5	2.707E-01	4.511E+00	4.509E+00	4.509E+00	0.000E+00	4.993E+00	4.993E+00	4.993E+00	8.941E-02
3.5	1.523E-01	2.538E+00	2.537E+00	2.537E+00	0.000E+00	2.871E+00	2.871E+00	2.871E+00	1.088E-01
4.5	9.732E-02	1.622E+00	1.621E+00	1.621E+00	0.000E+00	1.869E+00	1.869E+00	1.869E+00	1.227E-01
7.5	4.056E-02	6.760E-01	6.757E-01	6.757E-01	0.000E+00	8.074E-01	8.074E-01	8.074E-01	1.438E-01
15.0	1.325E-02	2.209E-01	2.208E-01	2.208E-01	0.000E+00	2.752E-01	2.752E-01	2.752E-01	1.503E-01
25.0	5.946E-03	9.909E-02	9.905E-02	9.905E-02	0.000E+00	1.268E-01	1.268E-01	1.268E-01	1.434E-01
35.0	3.435E-03	5.724E-02	5.722E-02	5.722E-02	0.000E+00	7.500E-02	7.500E-02	7.500E-02	1.357E-01
45.0	2.218E-03	3.696E-02	3.694E-02	3.694E-02	0.000E+00	4.964E-02	4.964E-02	4.964E-02	1.288E-01
55.0	1.546E-03	2.576E-02	2.575E-02	2.575E-02	0.000E+00	3.549E-02	3.549E-02	3.549E-02	1.228E-01
65.0	1.112E-03	1.853E-02	1.852E-02	1.852E-02	0.000E+00	2.625E-02	2.625E-02	2.625E-02	1.176E-01
75.0	8.265E-04	1.378E-02	1.377E-02	1.377E-02	0.000E+00	2.011E-02	2.011E-02	2.011E-02	1.130E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.476E-08	2.461E-07	2.461E-07	2.466E-07
2.5	7.051E-09	1.175E-07	1.175E-07	1.187E-07
3.5	3.966E-09	6.611E-08	6.610E-08	6.775E-08
4.5	2.535E-09	4.225E-08	4.225E-08	4.419E-08
7.5	1.056E-09	1.761E-08	1.761E-08	1.995E-08
15.0	3.452E-10	5.754E-09	5.753E-09	8.229E-09
25.0	1.549E-10	2.581E-09	2.581E-09	4.951E-09
35.0	8.946E-11	1.491E-09	1.491E-09	3.735E-09
45.0	5.776E-11	9.627E-10	9.627E-10	3.094E-09
55.0	4.026E-11	6.711E-10	6.711E-10	2.704E-09
65.0	2.895E-11	4.826E-10	4.826E-10	2.429E-09
75.0	2.153E-11	3.588E-10	3.588E-10	2.230E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.273E-07	2.122E-06	2.122E-06	2.117E-06	6.546E-01	6.248E-01	3.386E-01	1.999E-01	3.148E-07	3.106E-06
2.5	6.558E-08	1.093E-06	1.093E-06	1.090E-06	3.946E-01	3.866E-01	2.478E-01	1.719E-01	4.011E-07	2.296E-06
3.5	4.031E-08	6.718E-07	6.718E-07	6.702E-07	2.719E-01	2.692E-01	1.911E-01	1.450E-01	4.629E-07	1.787E-06
4.5	2.746E-08	4.577E-07	4.577E-07	4.566E-07	2.025E-01	2.015E-01	1.530E-01	1.225E-01	5.048E-07	1.440E-06
7.5	1.233E-08	2.056E-07	2.055E-07	2.051E-07	1.082E-01	1.082E-01	9.192E-02	7.920E-02	5.618E-07	8.729E-07
15.0	4.073E-09	6.788E-08	6.788E-08	6.772E-08	4.486E-02	4.489E-02	4.222E-02	3.915E-02	5.627E-07	4.063E-07

25.0	1.766E-09	2.943E-08	2.943E-08	2.936E-08	2.268E-02	2.270E-02	2.228E-02	2.161E-02	5.279E-07	2.169E-07
35.0	1.017E-09	1.695E-08	1.695E-08	1.691E-08	1.440E-02	1.441E-02	1.433E-02	1.415E-02	4.949E-07	1.403E-07
45.0	6.702E-10	1.117E-08	1.117E-08	1.114E-08	1.021E-02	1.022E-02	1.022E-02	1.016E-02	4.669E-07	1.002E-07
55.0	4.826E-10	8.044E-09	8.043E-09	8.025E-09	7.782E-03	7.787E-03	7.804E-03	7.792E-03	4.432E-07	7.665E-08
65.0	3.620E-10	6.034E-09	6.033E-09	6.020E-09	6.144E-03	6.148E-03	6.169E-03	6.173E-03	4.228E-07	6.063E-08
75.0	2.823E-10	4.705E-09	4.704E-09	4.694E-09	5.007E-03	5.010E-03	5.030E-03	5.040E-03	4.050E-07	4.946E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	2.025E-01	3.375E+00	3.374E+00	3.374E+00	0.000E+00	3.869E+00	3.869E+00	3.869E+00	5.702E-02
2.5	9.680E-02	1.613E+00	1.613E+00	1.613E+00	0.000E+00	1.919E+00	1.919E+00	1.919E+00	7.264E-02
3.5	5.629E-02	9.382E-01	9.378E-01	9.378E-01	0.000E+00	1.151E+00	1.151E+00	1.151E+00	8.383E-02
4.5	3.671E-02	6.119E-01	6.116E-01	6.116E-01	0.000E+00	7.712E-01	7.712E-01	7.712E-01	9.143E-02
7.5	1.520E-02	2.533E-01	2.532E-01	2.532E-01	0.000E+00	3.389E-01	3.389E-01	3.389E-01	1.017E-01
15.0	4.563E-03	7.604E-02	7.601E-02	7.601E-02	0.000E+00	1.116E-01	1.116E-01	1.116E-01	1.019E-01
25.0	1.872E-03	3.120E-02	3.118E-02	3.118E-02	0.000E+00	4.916E-02	4.916E-02	4.916E-02	9.560E-02
35.0	1.033E-03	1.722E-02	1.722E-02	1.722E-02	0.000E+00	2.863E-02	2.863E-02	2.863E-02	8.962E-02
45.0	6.521E-04	1.087E-02	1.086E-02	1.086E-02	0.000E+00	1.896E-02	1.896E-02	1.896E-02	8.456E-02
55.0	4.498E-04	7.497E-03	7.493E-03	7.493E-03	0.000E+00	1.366E-02	1.366E-02	1.366E-02	8.026E-02
65.0	3.219E-04	5.366E-03	5.363E-03	5.363E-03	0.000E+00	1.023E-02	1.023E-02	1.023E-02	7.657E-02
75.0	2.393E-04	3.989E-03	3.987E-03	3.987E-03	0.000E+00	7.955E-03	7.955E-03	7.955E-03	7.335E-02

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	5.276E-09	8.793E-08	8.792E-08	8.866E-08
2.5	2.522E-09	4.203E-08	4.202E-08	4.313E-08
3.5	1.466E-09	2.444E-08	2.444E-08	2.577E-08
4.5	9.563E-10	1.594E-08	1.594E-08	1.742E-08
7.5	3.958E-10	6.597E-09	6.597E-09	8.267E-09
15.0	1.188E-10	1.981E-09	1.981E-09	3.664E-09
25.0	4.876E-11	8.127E-10	8.126E-10	2.394E-09
35.0	2.692E-11	4.487E-10	4.487E-10	1.932E-09
45.0	1.699E-11	2.831E-10	2.831E-10	1.683E-09
55.0	1.172E-11	1.953E-10	1.953E-10	1.524E-09
65.0	8.386E-12	1.398E-10	1.398E-10	1.408E-09
75.0	6.234E-12	1.039E-10	1.039E-10	1.319E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	6.219E-07	1.036E-05	1.036E-05	1.034E-05	3.723E+00	3.352E+00	1.189E+00	4.192E-01	2.567E-07	1.104E-05
2.5	4.521E-07	7.535E-06	7.535E-06	7.518E-06	2.677E+00	2.516E+00	1.141E+00	5.613E-01	6.056E-07	1.047E-05
3.5	2.720E-07	4.533E-06	4.533E-06	4.522E-06	1.773E+00	1.720E+00	9.320E-01	5.597E-01	9.625E-07	8.584E-06
4.5	1.703E-07	2.839E-06	2.839E-06	2.832E-06	1.294E+00	1.279E+00	7.988E-01	5.395E-01	1.319E-06	7.380E-06
7.5	6.445E-08	1.074E-06	1.074E-06	1.072E-06	6.367E-01	6.363E-01	4.961E-01	3.906E-01	1.918E-06	4.628E-06
15.0	1.791E-08	2.985E-07	2.985E-07	2.978E-07	2.423E-01	2.424E-01	2.235E-01	2.003E-01	2.198E-06	2.130E-06
25.0	6.576E-09	1.096E-07	1.096E-07	1.094E-07	1.157E-01	1.158E-01	1.137E-01	1.098E-01	2.135E-06	1.105E-06
35.0	3.392E-09	5.653E-08	5.653E-08	5.640E-08	7.157E-02	7.161E-02	7.142E-02	7.066E-02	2.021E-06	6.994E-07
45.0	2.052E-09	3.420E-08	3.420E-08	3.412E-08	4.994E-02	4.997E-02	5.008E-02	4.997E-02	1.912E-06	4.917E-07
55.0	1.383E-09	2.305E-08	2.305E-08	2.300E-08	3.766E-02	3.768E-02	3.782E-02	3.786E-02	1.815E-06	3.718E-07
65.0	9.766E-10	1.628E-08	1.628E-08	1.624E-08	2.949E-02	2.951E-02	2.964E-02	2.971E-02	1.730E-06	2.915E-07
75.0	7.226E-10	1.204E-08	1.204E-08	1.201E-08	2.388E-02	2.389E-02	2.401E-02	2.408E-02	1.655E-06	2.361E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	8.737E-01	1.456E+01	1.456E+01	1.456E+01	0.000E+00	1.721E+01	1.721E+01	1.721E+01	4.648E-02
2.5	6.067E-01	1.011E+01	1.011E+01	1.011E+01	0.000E+00	1.210E+01	1.210E+01	1.210E+01	1.097E-01
3.5	3.284E-01	5.474E+00	5.472E+00	5.472E+00	0.000E+00	6.834E+00	6.834E+00	6.834E+00	1.743E-01
4.5	1.734E-01	2.891E+00	2.889E+00	2.889E+00	0.000E+00	3.902E+00	3.902E+00	3.902E+00	2.389E-01
7.5	4.967E-02	8.278E-01	8.274E-01	8.274E-01	0.000E+00	1.331E+00	1.331E+00	1.331E+00	3.473E-01
15.0	1.086E-02	1.810E-01	1.809E-01	1.809E-01	0.000E+00	3.729E-01	3.729E-01	3.729E-01	3.980E-01
25.0	3.586E-03	5.976E-02	5.974E-02	5.974E-02	0.000E+00	1.514E-01	1.514E-01	1.514E-01	3.867E-01
35.0	1.781E-03	2.969E-02	2.968E-02	2.968E-02	0.000E+00	8.639E-02	8.639E-02	8.639E-02	3.660E-01
45.0	1.056E-03	1.760E-02	1.759E-02	1.759E-02	0.000E+00	5.717E-02	5.717E-02	5.717E-02	3.462E-01
55.0	7.014E-04	1.169E-02	1.168E-02	1.168E-02	0.000E+00	4.153E-02	4.153E-02	4.153E-02	3.286E-01
65.0	4.885E-04	8.141E-03	8.137E-03	8.137E-03	0.000E+00	3.151E-02	3.151E-02	3.151E-02	3.133E-01
75.0	3.566E-04	5.943E-03	5.941E-03	5.941E-03	0.000E+00	2.487E-02	2.487E-02	2.487E-02	2.997E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	2.276E-08	3.793E-07	3.793E-07	3.792E-07
2.5	1.580E-08	2.634E-07	2.634E-07	2.646E-07
3.5	8.555E-09	1.426E-07	1.426E-07	1.451E-07

4.5	4.518E-09	7.530E-08	7.529E-08	7.908E-08
7.5	1.294E-09	2.156E-08	2.156E-08	2.726E-08
15.0	2.829E-10	4.714E-09	4.714E-09	1.130E-08
25.0	9.341E-11	1.557E-09	1.557E-09	7.959E-09
35.0	4.640E-11	7.734E-10	7.734E-10	6.834E-09
45.0	2.750E-11	4.583E-10	4.583E-10	6.193E-09
55.0	1.827E-11	3.045E-10	3.045E-10	5.748E-09
65.0	1.272E-11	2.121E-10	2.121E-10	5.401E-09
75.0	9.288E-12	1.548E-10	1.548E-10	5.120E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE SSW DIRECTION, THETA EQUALS 202.5 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	2.932E-06	4.887E-05	4.887E-05	4.875E-05	1.356E+01	1.068E+01	2.338E+00	5.130E-01	1.745E-07	2.477E-05
2.5	1.143E-06	1.905E-05	1.905E-05	1.901E-05	7.168E+00	6.589E+00	2.388E+00	9.375E-01	7.168E-07	2.239E-05
3.5	5.687E-07	9.478E-06	9.478E-06	9.456E-06	4.011E+00	3.878E+00	1.843E+00	9.638E-01	1.337E-06	1.693E-05
4.5	3.159E-07	5.264E-06	5.264E-06	5.252E-06	2.462E+00	2.435E+00	1.413E+00	8.778E-01	1.813E-06	1.294E-05
7.5	1.055E-07	1.759E-06	1.759E-06	1.755E-06	1.006E+00	1.005E+00	7.670E-01	5.842E-01	2.569E-06	7.103E-06
15.0	2.762E-08	4.604E-07	4.603E-07	4.593E-07	3.444E-01	3.446E-01	3.164E-01	2.809E-01	2.835E-06	3.007E-06
25.0	9.796E-09	1.633E-07	1.633E-07	1.629E-07	1.566E-01	1.567E-01	1.540E-01	1.487E-01	2.703E-06	1.496E-06
35.0	4.983E-09	8.305E-08	8.305E-08	8.286E-08	9.484E-02	9.490E-02	9.471E-02	9.379E-02	2.532E-06	9.277E-07
45.0	2.988E-09	4.980E-08	4.980E-08	4.969E-08	6.539E-02	6.543E-02	6.558E-02	6.548E-02	2.379E-06	6.441E-07
55.0	1.999E-09	3.332E-08	3.332E-08	3.324E-08	4.889E-02	4.892E-02	4.911E-02	4.917E-02	2.246E-06	4.828E-07
65.0	1.404E-09	2.340E-08	2.340E-08	2.335E-08	3.806E-02	3.808E-02	3.825E-02	3.835E-02	2.133E-06	3.762E-07
75.0	1.034E-09	1.723E-08	1.723E-08	1.719E-08	3.068E-02	3.070E-02	3.085E-02	3.094E-02	2.034E-06	3.034E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	4.501E+00	7.502E+01	7.499E+01	7.499E+01	0.000E+00	8.345E+01	8.345E+01	8.345E+01	3.161E-02
2.5	1.133E+00	1.889E+01	1.888E+01	1.888E+01	0.000E+00	2.410E+01	2.410E+01	2.410E+01	1.298E-01
3.5	4.702E-01	7.837E+00	7.833E+00	7.833E+00	0.000E+00	1.090E+01	1.090E+01	1.090E+01	2.422E-01

4.5	2.324E-01	3.873E+00	3.872E+00	3.872E+00	0.000E+00	5.800E+00	5.800E+00	5.800E+00	3.284E-01
7.5	6.447E-02	1.074E+00	1.074E+00	1.074E+00	0.000E+00	1.870E+00	1.870E+00	1.870E+00	4.652E-01
15.0	1.461E-02	2.435E-01	2.434E-01	2.434E-01	0.000E+00	5.164E-01	5.164E-01	5.164E-01	5.134E-01
25.0	4.876E-03	8.127E-02	8.124E-02	8.124E-02	0.000E+00	2.053E-01	2.053E-01	2.053E-01	4.896E-01
35.0	2.436E-03	4.060E-02	4.058E-02	4.058E-02	0.000E+00	1.157E-01	1.157E-01	1.157E-01	4.586E-01
45.0	1.445E-03	2.409E-02	2.408E-02	2.408E-02	0.000E+00	7.590E-02	7.590E-02	7.590E-02	4.308E-01
55.0	9.577E-04	1.596E-02	1.596E-02	1.596E-02	0.000E+00	5.470E-02	5.470E-02	5.470E-02	4.068E-01
65.0	6.658E-04	1.110E-02	1.109E-02	1.109E-02	0.000E+00	4.126E-02	4.126E-02	4.126E-02	3.862E-01
75.0	4.849E-04	8.082E-03	8.078E-03	8.078E-03	0.000E+00	3.240E-02	3.240E-02	3.240E-02	3.683E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	1.173E-07	1.954E-06	1.954E-06	1.950E-06
2.5	2.952E-08	4.920E-07	4.919E-07	4.930E-07
3.5	1.225E-08	2.041E-07	2.041E-07	2.077E-07
4.5	6.054E-09	1.009E-07	1.009E-07	1.061E-07
7.5	1.679E-09	2.799E-08	2.799E-08	3.563E-08
15.0	3.806E-10	6.344E-09	6.344E-09	1.483E-08
25.0	1.270E-10	2.117E-09	2.117E-09	1.022E-08
35.0	6.346E-11	1.058E-09	1.058E-09	8.652E-09
45.0	3.764E-11	6.274E-10	6.274E-10	7.763E-09
55.0	2.495E-11	4.158E-10	4.158E-10	7.154E-09
65.0	1.734E-11	2.890E-10	2.890E-10	6.687E-09
75.0	1.263E-11	2.105E-10	2.105E-10	6.311E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	1.014E-06	1.690E-05	1.690E-05	1.686E-05	5.000E+00	4.423E+00	1.304E+00	3.573E-01	1.542E-07	1.250E-05
2.5	1.373E-07	2.289E-06	2.289E-06	2.283E-06	1.487E+00	1.447E+00	7.616E-01	3.611E-01	3.216E-07	6.698E-06
3.5	4.738E-08	7.897E-07	7.897E-07	7.879E-07	7.549E-01	7.483E-01	5.084E-01	3.221E-01	5.123E-07	4.550E-06
4.5	2.452E-08	4.087E-07	4.086E-07	4.077E-07	4.568E-01	4.557E-01	3.612E-01	2.735E-01	6.560E-07	3.321E-06
7.5	7.902E-09	1.317E-07	1.317E-07	1.314E-07	1.868E-01	1.869E-01	1.730E-01	1.584E-01	8.752E-07	1.660E-06
15.0	2.351E-09	3.918E-08	3.918E-08	3.909E-08	6.567E-02	6.571E-02	6.458E-02	6.290E-02	9.237E-07	6.297E-07
25.0	1.005E-09	1.675E-08	1.675E-08	1.672E-08	3.074E-02	3.075E-02	3.075E-02	3.059E-02	8.593E-07	3.017E-07

35.0	5.878E-10	9.797E-09	9.796E-09	9.774E-09	1.892E-02	1.893E-02	1.900E-02	1.901E-02	7.977E-07	1.868E-07
45.0	3.928E-10	6.546E-09	6.546E-09	6.531E-09	1.318E-02	1.319E-02	1.325E-02	1.328E-02	7.475E-07	1.303E-07
55.0	2.854E-10	4.756E-09	4.756E-09	4.745E-09	9.920E-03	9.925E-03	9.972E-03	1.000E-02	7.061E-07	9.809E-08
65.0	2.158E-10	3.596E-09	3.596E-09	3.588E-09	7.756E-03	7.761E-03	7.798E-03	7.825E-03	6.712E-07	7.671E-08
75.0	1.691E-10	2.818E-09	2.817E-09	2.811E-09	6.269E-03	6.272E-03	6.303E-03	6.325E-03	6.410E-07	6.201E-08

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	1.679E+00	2.799E+01	2.798E+01	2.798E+01	0.000E+00	3.148E+01	3.148E+01	3.148E+01	2.792E-02
2.5	1.818E-01	3.030E+00	3.029E+00	3.029E+00	0.000E+00	4.175E+00	4.175E+00	4.175E+00	5.825E-02
3.5	5.434E-02	9.057E-01	9.053E-01	9.053E-01	0.000E+00	1.498E+00	1.498E+00	1.498E+00	9.278E-02
4.5	2.672E-02	4.454E-01	4.452E-01	4.452E-01	0.000E+00	8.062E-01	8.062E-01	8.062E-01	1.188E-01
7.5	8.161E-03	1.360E-01	1.360E-01	1.360E-01	0.000E+00	2.840E-01	2.840E-01	2.840E-01	1.585E-01
15.0	2.431E-03	4.052E-02	4.051E-02	4.051E-02	0.000E+00	9.255E-02	9.255E-02	9.255E-02	1.673E-01
25.0	1.030E-03	1.717E-02	1.717E-02	1.717E-02	0.000E+00	4.152E-02	4.152E-02	4.152E-02	1.556E-01
35.0	5.842E-04	9.737E-03	9.733E-03	9.733E-03	0.000E+00	2.473E-02	2.473E-02	2.473E-02	1.445E-01
45.0	3.741E-04	6.235E-03	6.233E-03	6.233E-03	0.000E+00	1.668E-02	1.668E-02	1.668E-02	1.354E-01
55.0	2.595E-04	4.325E-03	4.324E-03	4.324E-03	0.000E+00	1.218E-02	1.218E-02	1.218E-02	1.279E-01
65.0	1.865E-04	3.108E-03	3.107E-03	3.107E-03	0.000E+00	9.253E-03	9.253E-03	9.253E-03	1.215E-01
75.0	1.387E-04	2.311E-03	2.310E-03	2.310E-03	0.000E+00	7.278E-03	7.278E-03	7.278E-03	1.161E-01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	4.374E-08	7.291E-07	7.291E-07	7.278E-07
2.5	4.736E-09	7.893E-08	7.893E-08	7.971E-08
3.5	1.416E-09	2.359E-08	2.359E-08	2.507E-08
4.5	6.961E-10	1.160E-08	1.160E-08	1.354E-08
7.5	2.126E-10	3.543E-09	3.543E-09	6.161E-09
15.0	6.333E-11	1.056E-09	1.056E-09	3.824E-09
25.0	2.684E-11	4.473E-10	4.473E-10	3.024E-09
35.0	1.522E-11	2.536E-10	2.536E-10	2.646E-09
45.0	9.745E-12	1.624E-10	1.624E-10	2.405E-09
55.0	6.760E-12	1.127E-10	1.127E-10	2.231E-09
65.0	4.857E-12	8.096E-11	8.096E-11	2.094E-09
75.0	3.613E-12	6.021E-11	6.021E-11	1.983E-09

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.043E-03	0.000E+00	0.000E+00	1.474E-04	0.000E+00	0.000E+00	0.000E+00	2.381E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.519E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.264E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.972E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.675E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.849E-05	7.813E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.469E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.962E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.846E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.823E-05	0.000E+00	1.288E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.856E-07	0.000E+00	0.000E+00	7.193E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 1.752E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

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  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.323E-02 0.000E+00 0.000E+00 1.521E-03 0.000E+00 0.000E+00 0.000E+00
2.193E-05
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.244E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.941E-04 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.263E-04
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.208E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.537E-04 6.943E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.951E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
1.650E-04
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.661E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.226E-04 0.000E+00
1.069E-04
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.017E-06 0.000E+00 0.000E+00
5.995E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 2.056E-02 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  19
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                              TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                    EXPOSURE PATHWAY IS INHAL.            EXPOSED ORGAN IS AVG.LUNG

                             DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.748E-03	0.000E+00	0.000E+00	1.421E-04	0.000E+00	0.000E+00	0.000E+00	1.453E-06
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.669E-06	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.690E-05	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.767E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.499E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.462E-05	3.929E-06	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.770E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.839E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.875E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.142E-05	0.000E+00	3.118E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.897E-07	0.000E+00	0.000E+00	1.771E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

TOTAL DOSE COMMITMENT IS 2.558E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.460E-01 0.000E+00 0.000E+00 4.833E-02 0.000E+00 0.000E+00 0.000E+00
4.588E-04
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.828E-03 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 7.899E-03 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
9.388E-03
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.922E-04 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.668E-02 2.734E-03 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.069E-01 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
4.478E-03
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 5.872E-02 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 9.886E-03 0.000E+00
2.378E-03
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.609E-04 0.000E+00 0.000E+00
1.153E-03
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 9.172E-01 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  21
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                            TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS GROUND           EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
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     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.613E-04 0.000E+00 0.000E+00 2.884E-05 0.000E+00 0.000E+00 0.000E+00
2.075E-07
     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.446E-07 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.676E-06 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
2.358E-06
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.238E-08 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.690E-06 5.731E-07 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.275E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
7.537E-07
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.136E-05 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.706E-06 0.000E+00
4.104E-07
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.622E-08 0.000E+00 0.000E+00
2.458E-07
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.778E-04 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  22
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                            TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS CLOUD             EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
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     N       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 3.190E-03 0.000E+00 0.000E+00 4.070E-04 0.000E+00 0.000E+00 0.000E+00
4.034E-06
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     NE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.582E-05 0.000E+00 0.000E+00
0.000E+00
     ENE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 6.913E-05 0.000E+00
0.000E+00
     E       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
8.277E-05
     ESE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SE      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.662E-06 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SSE     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.431E-04 2.382E-05 0.000E+00 0.000E+00
0.000E+00
     S       0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.150E-03 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
3.954E-05
     SSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 4.906E-04 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     SW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.722E-05 0.000E+00
2.101E-05
     WSW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     W       0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     WNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.419E-06 0.000E+00 0.000E+00
1.019E-05
     NW      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00
     NNW     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0.000E+00

                TOTAL DOSE COMMITMENT IS 5.738E-03 PERSON-REM/YR
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  23
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                            TIME STEP NUMBER 1,                              DURATION IN YRS IS...  2.0

                                  EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS EFFECTIV

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
 ---------------------------------------------------------------------------------------------------------------------------
-----
     N       4.867E-05 3.900E-05 3.104E-05 2.592E-05 9.598E-05 1.517E-04 1.458E-04 1.493E-04 1.555E-04 1.634E-04 1.713E-04
1.795E-04
     NNE     3.388E-05 3.118E-05 2.780E-05 2.494E-05 1.014E-04 1.612E-04 1.467E-04 1.437E-04 1.446E-04 1.480E-04 1.518E-04
1.564E-04
     NE      2.472E-05 2.190E-05 1.923E-05 1.713E-05 6.898E-05 1.109E-04 1.047E-04 1.062E-04 1.100E-04 1.151E-04 1.203E-04
1.257E-04
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     ENE     1.980E-05 1.658E-05 1.411E-05 1.234E-05 4.850E-05 7.915E-05 7.808E-05 8.254E-05 8.843E-05 9.495E-05 1.013E-04
1.076E-04
     E       1.748E-05 1.412E-05 1.174E-05 1.012E-05 3.901E-05 6.504E-05 6.737E-05 7.397E-05 8.146E-05 8.920E-05 9.662E-05
1.038E-04
     ESE     1.762E-05 1.309E-05 1.040E-05 8.735E-06 3.321E-05 6.092E-05 7.039E-05 8.188E-05 9.319E-05 1.041E-04 1.143E-04
1.239E-04
     SE      1.849E-05 1.268E-05 1.175E-05 1.186E-05 5.389E-05 1.018E-04 1.167E-04 1.357E-04 1.550E-04 1.738E-04 1.914E-04
2.081E-04
     SSE     2.309E-05 3.431E-05 3.126E-05 2.744E-05 1.001E-04 1.545E-04 1.598E-04 1.799E-04 2.026E-04 2.257E-04 2.476E-04
2.685E-04
     S       7.489E-05 8.702E-05 6.660E-05 4.635E-05 1.285E-04 1.945E-04 2.156E-04 2.534E-04 2.921E-04 3.295E-04 3.646E-04
3.976E-04
     SSW     3.853E-04 1.622E-04 9.531E-05 6.218E-05 1.676E-04 2.560E-04 2.778E-04 3.216E-04 3.668E-04 4.107E-04 4.518E-04
4.906E-04
     SW      6.017E-03 2.028E-04 7.018E-05 3.901E-05 9.881E-05 1.769E-04 2.122E-04 2.537E-04 2.935E-04 3.309E-04 3.658E-04
3.983E-04
     WSW     5.219E-04 2.791E-05 1.434E-05 9.830E-06 3.491E-05 8.095E-05 1.037E-04 1.257E-04 1.461E-04 1.652E-04 1.829E-04
1.995E-04
     W       1.438E-04 2.619E-05 1.140E-05 7.770E-06 2.758E-05 6.348E-05 8.090E-05 9.764E-05 1.132E-04 1.278E-04 1.413E-04
1.540E-04
     WNW     7.433E-05 3.392E-05 2.005E-05 1.350E-05 3.965E-05 7.238E-05 8.488E-05 9.928E-05 1.133E-04 1.267E-04 1.393E-04
1.512E-04
     NW      5.803E-05 3.383E-05 2.066E-05 1.618E-05 5.686E-05 9.839E-05 1.051E-04 1.157E-04 1.270E-04 1.385E-04 1.494E-04
1.601E-04
     NNW     5.300E-05 3.583E-05 2.641E-05 2.098E-05 7.362E-05 1.213E-04 1.238E-04 1.316E-04 1.406E-04 1.505E-04 1.600E-04
1.695E-04

                TOTAL DOSE COMMITMENT IS 2.879E-02 PERSON-REM/YR

                                          WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                           ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                           FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                           BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                           TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  24
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                             TIME STEP NUMBER 1,                               DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS VEG. ING          EXPOSED ORGAN IS BONE

                            DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

                XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO      XRHO
XRHO
  DIRECTION     1.5       2.5       3.5       4.5       7.5      15.0      25.0      35.0      45.0      55.0      65.0
75.0
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     N       5.810E-04 4.653E-04 3.700E-04 3.086E-04 1.137E-03 1.773E-03 1.679E-03 1.700E-03 1.756E-03 1.833E-03 1.912E-03
1.996E-03
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NNE	4.044E-04	3.719E-04	3.314E-04	2.970E-04	1.203E-03	1.893E-03	1.703E-03	1.650E-03	1.646E-03	1.673E-03	1.706E-03	1.749E-03
NE	2.950E-04	2.612E-04	2.291E-04	2.038E-04	8.167E-04	1.296E-03	1.206E-03	1.210E-03	1.243E-03	1.293E-03	1.344E-03	1.399E-03
ENE	2.363E-04	1.976E-04	1.679E-04	1.466E-04	5.725E-04	9.187E-04	8.912E-04	9.316E-04	9.903E-04	1.058E-03	1.124E-03	1.190E-03
E	2.085E-04	1.683E-04	1.396E-04	1.202E-04	4.592E-04	7.500E-04	7.627E-04	8.285E-04	9.063E-04	9.881E-04	1.067E-03	1.144E-03
ESE	2.102E-04	1.560E-04	1.236E-04	1.035E-04	3.887E-04	6.945E-04	7.886E-04	9.095E-04	1.030E-03	1.147E-03	1.257E-03	1.360E-03
SE	2.206E-04	1.511E-04	1.396E-04	1.405E-04	6.316E-04	1.163E-03	1.307E-03	1.507E-03	1.712E-03	1.914E-03	2.104E-03	2.284E-03
SSE	2.756E-04	4.093E-04	3.723E-04	3.262E-04	1.179E-03	1.775E-03	1.797E-03	2.001E-03	2.240E-03	2.487E-03	2.722E-03	2.947E-03
S	8.941E-04	1.039E-03	7.943E-04	5.516E-04	1.511E-03	2.218E-03	2.406E-03	2.802E-03	3.216E-03	3.619E-03	3.998E-03	4.355E-03
SSW	4.601E-03	1.937E-03	1.137E-03	7.399E-04	1.971E-03	2.923E-03	3.104E-03	3.560E-03	4.042E-03	4.513E-03	4.957E-03	5.376E-03
SW	7.185E-02	2.421E-03	8.367E-04	4.633E-04	1.152E-03	1.996E-03	2.353E-03	2.796E-03	3.224E-03	3.629E-03	4.007E-03	4.360E-03
WSW	6.232E-03	3.330E-04	1.706E-04	1.163E-04	4.038E-04	9.102E-04	1.150E-03	1.386E-03	1.607E-03	1.813E-03	2.005E-03	2.185E-03
W	1.717E-03	3.124E-04	1.356E-04	9.185E-05	3.189E-04	7.142E-04	8.980E-04	1.078E-03	1.246E-03	1.403E-03	1.550E-03	1.687E-03
WNW	8.875E-04	4.048E-04	2.388E-04	1.603E-04	4.634E-04	8.221E-04	9.480E-04	1.100E-03	1.250E-03	1.394E-03	1.530E-03	1.658E-03
NW	6.928E-04	4.036E-04	2.460E-04	1.922E-04	6.690E-04	1.134E-03	1.191E-03	1.298E-03	1.415E-03	1.536E-03	1.652E-03	1.765E-03
NNW	6.327E-04	4.274E-04	3.146E-04	2.494E-04	8.690E-04	1.407E-03	1.414E-03	1.487E-03	1.578E-03	1.679E-03	1.777E-03	1.876E-03

TOTAL DOSE COMMITMENT IS 3.285E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0

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     N       2.410E-06 1.933E-06 1.540E-06 1.289E-06 4.802E-06 7.722E-06 7.554E-06 7.834E-06 8.238E-06 8.718E-06 9.191E-06
9.676E-06
     NNE     1.678E-06 1.545E-06 1.379E-06 1.239E-06 5.060E-06 8.146E-06 7.530E-06 7.466E-06 7.587E-06 7.826E-06 8.080E-06
8.369E-06
     NE      1.225E-06 1.086E-06 9.548E-07 8.520E-07 3.452E-06 5.638E-06 5.418E-06 5.567E-06 5.820E-06 6.135E-06 6.447E-06
6.770E-06
     ENE     9.811E-07 8.225E-07 7.011E-07 6.148E-07 2.436E-06 4.059E-06 4.085E-06 4.374E-06 4.727E-06 5.107E-06 5.473E-06
5.835E-06
     E       8.660E-07 7.007E-07 5.838E-07 5.051E-07 1.967E-06 3.362E-06 3.558E-06 3.954E-06 4.387E-06 4.827E-06 5.247E-06
5.651E-06
     ESE     8.728E-07 6.498E-07 5.176E-07 4.367E-07 1.686E-06 3.192E-06 3.762E-06 4.417E-06 5.055E-06 5.665E-06 6.234E-06
6.770E-06
     SE      9.160E-07 6.296E-07 5.852E-07 5.927E-07 2.731E-06 5.325E-06 6.232E-06 7.326E-06 8.413E-06 9.465E-06 1.045E-05
1.138E-05
     SSE     1.144E-06 1.701E-06 1.553E-06 1.366E-06 5.041E-06 8.018E-06 8.507E-06 9.690E-06 1.098E-05 1.228E-05 1.350E-05
1.467E-05
     S       3.708E-06 4.311E-06 3.303E-06 2.305E-06 6.480E-06 1.018E-05 1.158E-05 1.374E-05 1.591E-05 1.800E-05 1.994E-05
2.178E-05
     SSW     1.907E-05 8.034E-06 4.726E-06 3.092E-06 8.462E-06 1.339E-05 1.489E-05 1.741E-05 1.997E-05 2.242E-05 2.471E-05
2.686E-05
     SW      2.979E-04 1.004E-05 3.482E-06 1.944E-06 5.040E-06 9.383E-06 1.147E-05 1.380E-05 1.602E-05 1.810E-05 2.003E-05
2.184E-05
     WSW     2.584E-05 1.383E-06 7.132E-07 4.925E-07 1.798E-06 4.309E-06 5.603E-06 6.834E-06 7.971E-06 9.029E-06 1.001E-05
1.093E-05
     W       7.119E-06 1.298E-06 5.674E-07 3.896E-07 1.421E-06 3.376E-06 4.367E-06 5.305E-06 6.172E-06 6.981E-06 7.732E-06
8.435E-06
     WNW     3.681E-06 1.681E-06 9.960E-07 6.735E-07 2.017E-06 3.809E-06 4.551E-06 5.370E-06 6.157E-06 6.906E-06 7.607E-06
8.268E-06
     NW      2.874E-06 1.677E-06 1.026E-06 8.065E-07 2.868E-06 5.090E-06 5.544E-06 6.174E-06 6.827E-06 7.483E-06 8.105E-06
8.705E-06
     NNW     2.625E-06 1.776E-06 1.311E-06 1.044E-06 3.698E-06 6.223E-06 6.470E-06 6.962E-06 7.506E-06 8.082E-06 8.634E-06
9.180E-06

                TOTAL DOSE COMMITMENT IS 1.507E-03 PERSON-REM/YR

                                         WARNING--POPULATION FOOD INGESTION DOSES SHOWN
                                          ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
                                          FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
                                          BY THE POPULATION OF THIS REGION. SEE SUMMARY
                                          TABLE FOR THIS INFORMATION.
1REGION: 2008- Colorado Plateau C    CODE: MILDOS-AREA (02/97)          PAGE  26
 METSET:                             DATA: CPTP4BR.MIL                  01/27/08

                             TIME STEP NUMBER 1,                                DURATION IN YRS IS...  2.0

                                   EXPOSURE PATHWAY IS MEAT ING          EXPOSED ORGAN IS BONE

                           DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
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DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.966E-05	2.377E-05	1.892E-05	1.581E-05	5.860E-05	9.295E-05	8.964E-05	9.201E-05	9.601E-05	1.010E-04	1.060E-04	1.112E-04
NNE	2.065E-05	1.900E-05	1.695E-05	1.521E-05	6.187E-05	9.860E-05	9.003E-05	8.839E-05	8.910E-05	9.132E-05	9.379E-05	9.673E-05
NE	1.506E-05	1.335E-05	1.172E-05	1.045E-05	4.212E-05	6.790E-05	6.435E-05	6.543E-05	6.789E-05	7.115E-05	7.443E-05	7.788E-05
ENE	1.207E-05	1.011E-05	8.602E-06	7.529E-06	2.963E-05	4.856E-05	4.809E-05	5.096E-05	5.469E-05	5.880E-05	6.280E-05	6.676E-05
E	1.065E-05	8.608E-06	7.158E-06	6.178E-06	2.385E-05	3.996E-05	4.157E-05	4.575E-05	5.046E-05	5.531E-05	5.995E-05	6.444E-05
ESE	1.074E-05	7.981E-06	6.342E-06	5.332E-06	2.034E-05	3.753E-05	4.354E-05	5.074E-05	5.781E-05	6.461E-05	7.097E-05	7.698E-05
SE	1.127E-05	7.730E-06	7.167E-06	7.238E-06	3.298E-05	6.271E-05	7.214E-05	8.411E-05	9.616E-05	1.079E-04	1.189E-04	1.293E-04
SSE	1.407E-05	2.091E-05	1.906E-05	1.674E-05	6.120E-05	9.498E-05	9.878E-05	1.114E-04	1.257E-04	1.401E-04	1.537E-04	1.668E-04
S	4.563E-05	5.303E-05	4.060E-05	2.827E-05	7.855E-05	1.198E-04	1.335E-04	1.572E-04	1.814E-04	2.047E-04	2.266E-04	2.471E-04
SSW	2.348E-04	9.886E-05	5.809E-05	3.792E-05	1.025E-04	1.577E-04	1.719E-04	1.994E-04	2.277E-04	2.551E-04	2.807E-04	3.049E-04
SW	3.667E-03	1.236E-04	4.278E-05	2.380E-05	6.055E-05	1.093E-04	1.315E-04	1.575E-04	1.823E-04	2.056E-04	2.274E-04	2.476E-04
WSW	3.180E-04	1.701E-05	8.745E-06	6.003E-06	2.144E-05	5.003E-05	6.427E-05	7.801E-05	9.076E-05	1.026E-04	1.137E-04	1.240E-04
W	8.761E-05	1.596E-05	6.954E-06	4.746E-06	1.693E-05	3.922E-05	5.013E-05	6.059E-05	7.031E-05	7.939E-05	8.783E-05	9.573E-05
WNW	4.530E-05	2.068E-05	1.223E-05	8.239E-06	2.429E-05	4.463E-05	5.253E-05	6.155E-05	7.031E-05	7.868E-05	8.652E-05	9.393E-05
NW	3.536E-05	2.062E-05	1.260E-05	9.874E-06	3.477E-05	6.046E-05	6.483E-05	7.154E-05	7.863E-05	8.584E-05	9.270E-05	9.935E-05
NNW	3.230E-05	2.184E-05	1.610E-05	1.279E-05	4.498E-05	7.441E-05	7.622E-05	8.122E-05	8.696E-05	9.317E-05	9.916E-05	1.051E-04

TOTAL DOSE COMMITMENT IS 1.773E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.342E-06	1.872E-06	1.484E-06	1.232E-06	4.462E-06	6.637E-06	5.955E-06	5.776E-06	5.761E-06	5.855E-06	5.969E-06	6.118E-06
NNE	1.629E-06	1.496E-06	1.329E-06	1.187E-06	4.752E-06	7.227E-06	6.219E-06	5.799E-06	5.590E-06	5.524E-06	5.494E-06	5.516E-06
NE	1.188E-06	1.049E-06	9.169E-07	8.120E-07	3.203E-06	4.860E-06	4.292E-06	4.127E-06	4.095E-06	4.145E-06	4.213E-06	4.307E-06
ENE	9.512E-07	7.930E-07	6.706E-07	5.821E-07	2.223E-06	3.361E-06	3.057E-06	3.052E-06	3.139E-06	3.273E-06	3.413E-06	3.563E-06
E	8.394E-07	6.748E-07	5.566E-07	4.755E-07	1.765E-06	2.677E-06	2.532E-06	2.627E-06	2.788E-06	2.979E-06	3.168E-06	3.359E-06
ESE	8.462E-07	6.252E-07	4.915E-07	4.071E-07	1.465E-06	2.371E-06	2.502E-06	2.777E-06	3.074E-06	3.374E-06	3.658E-06	3.931E-06
SE	8.883E-07	6.048E-07	5.545E-07	5.529E-07	2.393E-06	3.999E-06	4.153E-06	4.592E-06	5.094E-06	5.613E-06	6.106E-06	6.582E-06
SSE	1.110E-06	1.645E-06	1.490E-06	1.297E-06	4.549E-06	6.249E-06	5.795E-06	6.150E-06	6.700E-06	7.318E-06	7.919E-06	8.509E-06
S	3.606E-06	4.184E-06	3.190E-06	2.201E-06	5.799E-06	7.586E-06	7.502E-06	8.383E-06	9.421E-06	1.048E-05	1.148E-05	1.244E-05
SSW	1.856E-05	7.805E-06	4.566E-06	2.951E-06	7.555E-06	1.004E-05	9.729E-06	1.070E-05	1.189E-05	1.310E-05	1.427E-05	1.539E-05
SW	2.899E-04	9.759E-06	3.357E-06	1.838E-06	4.285E-06	6.524E-06	7.133E-06	8.228E-06	9.346E-06	1.043E-05	1.145E-05	1.241E-05
WSW	2.514E-05	1.341E-06	6.803E-07	4.547E-07	1.458E-06	2.934E-06	3.490E-06	4.097E-06	4.679E-06	5.231E-06	5.748E-06	6.234E-06
W	6.925E-06	1.257E-06	5.395E-07	3.583E-07	1.151E-06	2.309E-06	2.735E-06	3.195E-06	3.636E-06	4.056E-06	4.449E-06	4.821E-06
WNW	3.579E-06	1.629E-06	9.556E-07	6.340E-07	1.737E-06	2.765E-06	2.968E-06	3.326E-06	3.700E-06	4.074E-06	4.428E-06	4.767E-06
NW	2.793E-06	1.623E-06	9.836E-07	7.624E-07	2.568E-06	4.039E-06	3.970E-06	4.144E-06	4.384E-06	4.662E-06	4.933E-06	5.207E-06
NNW	2.550E-06	1.719E-06	1.260E-06	9.925E-07	3.374E-06	5.142E-06	4.869E-06	4.904E-06	5.033E-06	5.227E-06	5.425E-06	5.640E-06

TOTAL DOSE COMMITMENT IS 1.125E-03 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

METSET: DATA: CPTP4BR.MIL 01/27/08

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.260E-05	2.603E-05	2.059E-05	1.704E-05	6.091E-05	8.721E-05	7.458E-05	6.937E-05	6.672E-05	6.579E-05	6.529E-05	6.543E-05
NNE	2.268E-05	2.079E-05	1.844E-05	1.643E-05	6.517E-05	9.648E-05	7.999E-05	7.198E-05	6.712E-05	6.441E-05	6.232E-05	6.107E-05
NE	1.653E-05	1.457E-05	1.270E-05	1.121E-05	4.368E-05	6.395E-05	5.390E-05	4.975E-05	4.763E-05	4.680E-05	4.632E-05	4.631E-05
ENE	1.323E-05	1.101E-05	9.274E-06	8.014E-06	3.008E-05	4.329E-05	3.706E-05	3.529E-05	3.495E-05	3.542E-05	3.606E-05	3.695E-05
E	1.167E-05	9.359E-06	7.687E-06	6.528E-06	2.371E-05	3.373E-05	2.969E-05	2.927E-05	2.995E-05	3.119E-05	3.251E-05	3.394E-05
ESE	1.177E-05	8.669E-06	6.774E-06	5.564E-06	1.934E-05	2.862E-05	2.790E-05	2.956E-05	3.175E-05	3.416E-05	3.650E-05	3.880E-05
SE	1.236E-05	8.380E-06	7.636E-06	7.559E-06	3.176E-05	4.861E-05	4.637E-05	4.874E-05	5.239E-05	5.660E-05	6.068E-05	6.474E-05
SSE	1.545E-05	2.286E-05	2.063E-05	1.787E-05	6.124E-05	7.773E-05	6.582E-05	6.598E-05	6.938E-05	7.413E-05	7.896E-05	8.390E-05
S	5.022E-05	5.823E-05	4.431E-05	3.041E-05	7.775E-05	9.174E-05	8.191E-05	8.687E-05	9.484E-05	1.037E-04	1.124E-04	1.208E-04
SSW	2.586E-04	1.087E-04	6.342E-05	4.077E-05	1.012E-04	1.218E-04	1.069E-04	1.116E-04	1.203E-04	1.303E-04	1.401E-04	1.498E-04
SW	4.039E-03	1.359E-04	4.659E-05	2.528E-05	5.597E-05	7.523E-05	7.520E-05	8.336E-05	9.269E-05	1.021E-04	1.111E-04	1.198E-04
WSW	3.503E-04	1.865E-05	9.396E-06	6.188E-06	1.856E-05	3.332E-05	3.684E-05	4.175E-05	4.670E-05	5.153E-05	5.609E-05	6.043E-05
W	9.648E-05	1.748E-05	7.441E-06	4.868E-06	1.465E-05	2.631E-05	2.901E-05	3.270E-05	3.642E-05	4.007E-05	4.352E-05	4.681E-05
WNW	4.985E-05	2.265E-05	1.323E-05	8.706E-06	2.285E-05	3.288E-05	3.259E-05	3.492E-05	3.779E-05	4.085E-05	4.382E-05	4.672E-05
NW	3.889E-05	2.256E-05	1.361E-05	1.049E-05	3.445E-05	5.078E-05	4.676E-05	4.654E-05	4.751E-05	4.921E-05	5.098E-05	5.294E-05
NNW	3.551E-05	2.389E-05	1.745E-05	1.369E-05	4.566E-05	6.616E-05	5.927E-05	5.709E-05	5.648E-05	5.699E-05	5.769E-05	5.879E-05

TOTAL DOSE COMMITMENT IS 1.364E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.752E-03	2.056E-02	2.558E-03	4.114E-03	2.241E-03	9.172E-01
GROUND	5.778E-04	5.778E-04	5.778E-04	5.778E-04	5.778E-04	5.778E-04
CLOUD	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03
VEG. ING	9.643E-03	1.100E-01	9.643E-03	3.298E-02	2.623E-02	9.643E-03
MEAT ING	8.782E-05	1.033E-03	8.782E-05	3.010E-04	2.415E-04	8.782E-05
MILK ING	5.854E-05	7.092E-04	5.854E-05	1.622E-04	1.329E-04	5.854E-05
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.786E-02	1.386E-01	1.866E-02	4.387E-02	3.516E-02	9.333E-01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	1.914E-02	2.184E-01	1.914E-02	6.547E-02	5.206E-02	1.914E-02
MEAT ING	1.419E-03	1.670E-02	1.419E-03	4.864E-03	3.901E-03	1.419E-03
MILK ING	1.067E-03	1.293E-02	1.067E-03	2.957E-03	2.423E-03	1.067E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.010E+00	1.351E+01	2.387E-01	1.062E+00	1.047E+00	6.292E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.752E-03	2.056E-02	2.558E-03	4.114E-03	2.241E-03	9.172E-01
GROUND	5.778E-04	5.778E-04	5.778E-04	5.778E-04	5.778E-04	5.778E-04
CLOUD	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03	5.738E-03
VEG. ING	2.879E-02	3.285E-01	2.879E-02	9.845E-02	7.829E-02	2.879E-02
MEAT ING	1.507E-03	1.773E-02	1.507E-03	5.165E-03	4.143E-03	1.507E-03

MILK ING	1.125E-03	1.364E-02	1.125E-03	3.119E-03	2.556E-03	1.125E-03
RNPLUS50	9.888E-01	1.326E+01	2.170E-01	9.888E-01	9.888E-01	6.270E+00
TOTALS	1.028E+00	1.365E+01	2.573E-01	1.106E+00	1.082E+00	7.225E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3 U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2 U-238	Th-230	Ra-226	Pb-210
1	White Mesa Community	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1	White Mesa Community	3	2.504E-08	4.173E-07	4.173E-07	4.164E-07	9.613E-03	1.602E-01	1.601E-01	1.601E-01
1	White Mesa Community	4	6.549E-09	1.091E-07	1.091E-07	1.089E-07	2.199E-02	3.665E-01	3.664E-01	3.664E-01
	CONCENTRATION TOTALS		3.159E-08	5.265E-07	5.265E-07	5.253E-07	3.161E-02	5.268E-01	5.265E-01	5.265E-01
2	BHV-1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	BHV-1	3	8.249E-08	1.375E-06	1.375E-06	1.372E-06	3.167E-02	5.278E-01	5.276E-01	5.276E-01
2	BHV-1	4	6.598E-08	1.100E-06	1.100E-06	1.097E-06	2.216E-01	3.693E+00	3.692E+00	3.692E+00
	CONCENTRATION TOTALS		1.485E-07	2.475E-06	2.475E-06	2.469E-06	2.533E-01	4.221E+00	4.219E+00	4.219E+00
3	BHV-2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	BHV-2	3	3.383E-08	5.639E-07	5.639E-07	5.626E-07	1.299E-02	2.165E-01	2.164E-01	2.164E-01
3	BHV-2	4	2.308E-08	3.847E-07	3.847E-07	3.838E-07	7.752E-02	1.292E+00	1.291E+00	1.291E+00
	CONCENTRATION TOTALS		5.692E-08	9.486E-07	9.486E-07	9.464E-07	9.051E-02	1.509E+00	1.508E+00	1.508E+00

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  4  Nearest Resident      1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  4  Nearest Resident      3    6.839E-08    1.140E-06    1.140E-06    1.137E-06    2.626E-02    4.376E-01    4.374E-01
4.374E-01
  4  Nearest Resident      4    5.300E-08    8.834E-07    8.834E-07    8.813E-07    1.780E-01    2.967E+00    2.965E+00
2.965E+00
    CONCENTRATION TOTALS        1.214E-07    2.023E-06    2.023E-06    2.019E-06    2.043E-01    3.404E+00    3.403E+00
3.403E+00
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  5  Blanding              1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  5  Blanding              3    1.238E-08    2.064E-07    2.064E-07    2.059E-07    4.754E-03    7.924E-02    7.920E-02
7.920E-02
  5  Blanding              4    7.206E-09    1.201E-07    1.201E-07    1.198E-07    2.420E-02    4.033E-01    4.032E-01
4.032E-01
    CONCENTRATION TOTALS        1.959E-08    3.265E-07    3.265E-07    3.257E-07    2.895E-02    4.826E-01    4.824E-01
4.824E-01
 ----------------------------   ----------------------------------------------   ----------------------------------------------
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  6  Graz Loc 1            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  6  Graz Loc 1            3    2.579E-07    4.298E-06    4.298E-06    4.288E-06    9.900E-02    1.650E+00    1.649E+00
1.649E+00
  6  Graz Loc 1            4    2.458E-07    4.096E-06    4.096E-06    4.087E-06    8.255E-01    1.376E+01    1.375E+01
1.375E+01
    CONCENTRATION TOTALS        5.037E-07    8.395E-06    8.394E-06    8.375E-06    9.245E-01    1.541E+01    1.540E+01
1.540E+01
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  7  Graz Loc 2            1    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            2    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00    0.000E+00
0.000E+00
  7  Graz Loc 2            3    2.478E-07    4.130E-06    4.130E-06    4.120E-06    9.512E-02    1.585E+00    1.585E+00
1.585E+00
  7  Graz Loc 2            4    1.201E-07    2.002E-06    2.002E-06    1.997E-06    4.034E-01    6.722E+00    6.720E+00
6.720E+00
    CONCENTRATION TOTALS        3.679E-07    6.131E-06    6.131E-06    6.117E-06    4.985E-01    8.308E+00    8.304E+00
8.304E+00
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TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3 Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	GROUND CONCENTRATIONS, PCI/M2 Po-218	Pb-214	Bi-214	Pb-210
1	3.154E-01	3.153E-01	2.600E-01	2.166E-01	1.400E-06	9.653E-09	1.750E-12	2.451E-06	2.497E-01	2.497E-01	2.497E-01	2.535E-01
2	5.925E-01	5.705E-01	3.200E-01	2.053E-01	4.082E-07	9.244E-10	5.884E-14	2.975E-06	4.519E-01	4.519E-01	4.519E-01	7.393E-02
3	2.565E-01	2.546E-01	1.795E-01	1.388E-01	6.114E-07	2.875E-09	3.591E-13	1.690E-06	2.017E-01	2.017E-01	2.017E-01	1.107E-01
4	4.846E-01	4.719E-01	2.817E-01	1.932E-01	4.843E-07	1.346E-09	1.024E-13	2.635E-06	3.737E-01	3.737E-01	3.737E-01	8.770E-02
5	1.096E-01	1.096E-01	9.276E-02	7.938E-02	7.253E-07	7.372E-09	2.045E-12	8.792E-07	8.677E-02	8.677E-02	8.677E-02	1.314E-01
6	1.643E+00	1.464E+00	5.754E-01	2.553E-01	2.297E-07	2.435E-10	7.329E-15	5.377E-06	1.160E+00	1.160E+00	1.160E+00	4.160E-02
7	2.389E+00	2.228E+00	9.511E-01	4.120E-01	3.425E-07	3.357E-10	9.371E-15	8.654E-06	1.765E+00	1.765E+00	1.765E+00	6.203E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.50E-03	6.66E-03	4.43E-03	2.18E-03	1.82E-03	0.00E+00
INFANT	GROUND	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06
INFANT	CLOUD	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.14E-04	7.46E-04	4.21E-04	4.21E-04	3.81E-04	0.00E+00
INFANT	TOTALS	1.71E-03	7.41E-03	4.85E-03	2.61E-03	2.20E-03	1.76E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.14E-04	4.63E-03	1.95E-03	8.31E-04	5.78E-04	0.00E+00
CHILD	GROUND	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06
CHILD	CLOUD	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11
CHILD	VEG. ING	5.07E-04	2.55E-03	2.24E-03	2.24E-03	1.65E-03	0.00E+00
CHILD	MEAT ING	1.47E-05	7.37E-05	7.07E-05	7.07E-05	5.20E-05	0.00E+00
CHILD	MILK ING	2.85E-05	1.96E-04	9.53E-05	9.53E-05	7.20E-05	0.00E+00
CHILD	TOTALS	1.17E-03	7.45E-03	4.36E-03	3.24E-03	2.35E-03	1.76E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.19E-04	5.50E-03	9.97E-04	3.75E-04	2.99E-04	0.00E+00
TEENAGE	GROUND	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06
TEENAGE	CLOUD	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11
TEENAGE	VEG. ING	8.31E-04	1.35E-02	2.00E-03	2.00E-03	1.68E-03	0.00E+00
TEENAGE	MEAT ING	2.34E-05	3.80E-04	6.18E-05	6.18E-05	5.17E-05	0.00E+00
TEENAGE	MILK ING	4.19E-05	8.80E-04	6.12E-05	6.12E-05	5.53E-05	0.00E+00
TEENAGE	TOTALS	1.32E-03	2.03E-02	3.12E-03	2.50E-03	2.09E-03	1.76E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.76E-04	4.83E-03	8.13E-04	2.86E-04	2.11E-04	0.00E+00
ADULT	GROUND	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06	1.76E-06
ADULT	CLOUD	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11	3.22E-11
ADULT	VEG. ING	4.75E-04	5.76E-03	1.30E-03	1.30E-03	1.07E-03	0.00E+00
ADULT	MEAT ING	1.71E-05	2.10E-04	5.10E-05	5.10E-05	4.19E-05	0.00E+00
ADULT	MILK ING	8.12E-06	1.23E-04	1.52E-05	1.52E-05	1.31E-05	0.00E+00
ADULT	TOTALS	8.78E-04	1.09E-02	2.18E-03	1.66E-03	1.34E-03	1.76E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 1 NAME=White Mesa Community X= 3.2KM, Y= -7.8KM, Z=-101.0M, DIST= 8.5KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.54E-02	7.42E-03	4.50E-03	6.10E-03	3.34E-03	3.94E-01
INFANT	GROUND	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04
INFANT	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.46E-04	8.10E-04	5.39E-04	5.39E-04	4.86E-04	0.00E+00
INFANT	TOTALS	2.82E-02	1.08E-02	7.61E-03	9.21E-03	6.40E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.44E-02	5.21E-03	1.98E-03	2.57E-03	1.30E-03	3.94E-01
CHILD	GROUND	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04
CHILD	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
CHILD	VEG. ING	6.34E-04	3.12E-03	2.92E-03	2.92E-03	2.15E-03	0.00E+00
CHILD	MEAT ING	1.88E-05	9.22E-05	9.24E-05	9.24E-05	6.79E-05	0.00E+00
CHILD	MILK ING	3.37E-05	2.20E-04	1.23E-04	1.23E-04	9.24E-05	0.00E+00

CHILD	TOTALS	2.76E-02	1.12E-02	7.69E-03	8.28E-03	6.18E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.42E-02	6.91E-03	1.01E-03	1.12E-03	6.58E-04	3.94E-01
TEENAGE	GROUND	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04
TEENAGE	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
TEENAGE	VEG. ING	1.02E-03	1.63E-02	2.60E-03	2.60E-03	2.18E-03	0.00E+00
TEENAGE	MEAT ING	2.93E-05	4.68E-04	8.08E-05	8.08E-05	6.74E-05	0.00E+00
TEENAGE	MILK ING	4.75E-05	9.61E-04	7.88E-05	7.88E-05	6.99E-05	0.00E+00
TEENAGE	TOTALS	2.79E-02	2.72E-02	6.35E-03	6.46E-03	5.55E-03	3.97E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.41E-02	5.65E-03	8.24E-04	9.08E-04	5.10E-04	3.94E-01
ADULT	GROUND	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04	1.41E-04
ADULT	CLOUD	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03
ADULT	VEG. ING	5.90E-04	7.10E-03	1.70E-03	1.70E-03	1.40E-03	0.00E+00
ADULT	MEAT ING	2.16E-05	2.63E-04	6.67E-05	6.67E-05	5.46E-05	0.00E+00
ADULT	MILK ING	9.40E-06	1.38E-04	1.96E-05	1.96E-05	1.67E-05	0.00E+00
ADULT	TOTALS	2.73E-02	1.57E-02	5.18E-03	5.26E-03	4.55E-03	3.97E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	6.00E-03	2.79E-02	1.46E-02	1.01E-02	8.36E-03	0.00E+00
INFANT	GROUND	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05
INFANT	CLOUD	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.71E-03	5.98E-03	3.37E-03	3.37E-03	3.06E-03	0.00E+00
INFANT	TOTALS	7.72E-03	3.39E-02	1.80E-02	1.35E-02	1.14E-02	1.41E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.41E-03	1.92E-02	6.45E-03	3.85E-03	2.67E-03	0.00E+00
CHILD	GROUND	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05
CHILD	CLOUD	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10
CHILD	VEG. ING	4.06E-03	2.04E-02	1.79E-02	1.79E-02	1.32E-02	0.00E+00
CHILD	MEAT ING	1.18E-04	5.91E-04	5.66E-04	5.66E-04	4.17E-04	0.00E+00

CHILD	MILK ING	2.29E-04	1.57E-03	7.64E-04	7.64E-04	5.77E-04	0.00E+00
CHILD	TOTALS	6.84E-03	4.18E-02	2.57E-02	2.31E-02	1.69E-02	1.41E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.66E-03	2.32E-02	3.29E-03	1.74E-03	1.38E-03	0.00E+00
TEENAGE	GROUND	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05
TEENAGE	CLOUD	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10
TEENAGE	VEG. ING	6.66E-03	1.08E-01	1.60E-02	1.60E-02	1.35E-02	0.00E+00
TEENAGE	MEAT ING	1.87E-04	3.05E-03	4.95E-04	4.95E-04	4.14E-04	0.00E+00
TEENAGE	MILK ING	3.36E-04	7.05E-03	4.91E-04	4.91E-04	4.43E-04	0.00E+00
TEENAGE	TOTALS	8.85E-03	1.42E-01	2.03E-02	1.87E-02	1.57E-02	1.41E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.47E-03	2.01E-02	2.68E-03	1.33E-03	9.75E-04	0.00E+00
ADULT	GROUND	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05
ADULT	CLOUD	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10	1.52E-10
ADULT	VEG. ING	3.80E-03	4.62E-02	1.04E-02	1.04E-02	8.60E-03	0.00E+00
ADULT	MEAT ING	1.37E-04	1.68E-03	4.09E-04	4.09E-04	3.35E-04	0.00E+00
ADULT	MILK ING	6.50E-05	9.89E-04	1.22E-04	1.22E-04	1.05E-04	0.00E+00
ADULT	TOTALS	5.49E-03	6.90E-02	1.37E-02	1.23E-02	1.00E-02	1.41E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 2 NAME=BHV-1 X= 1.0KM, Y= 1.8KM, Z= 7.0M, DIST= 2.0KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	5.05E-02	2.81E-02	1.47E-02	1.13E-02	8.81E-03	7.41E-01
INFANT	GROUND	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04
INFANT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.72E-03	6.00E-03	3.41E-03	3.41E-03	3.09E-03	0.00E+00
INFANT	TOTALS	5.55E-02	3.74E-02	2.13E-02	1.79E-02	1.51E-02	7.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	4.69E-02	1.94E-02	6.46E-03	4.36E-03	2.88E-03	7.41E-01
CHILD	GROUND	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04

CHILD	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
CHILD	VEG. ING	4.10E-03	2.06E-02	1.81E-02	1.81E-02	1.34E-02	0.00E+00
CHILD	MEAT ING	1.19E-04	5.96E-04	5.73E-04	5.73E-04	4.21E-04	0.00E+00
CHILD	MILK ING	2.30E-04	1.58E-03	7.72E-04	7.72E-04	5.83E-04	0.00E+00
CHILD	TOTALS	5.46E-02	4.54E-02	2.92E-02	2.71E-02	2.05E-02	7.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.61E-02	2.36E-02	3.30E-03	1.96E-03	1.48E-03	7.41E-01
TEENAGE	GROUND	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04
TEENAGE	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
TEENAGE	VEG. ING	6.72E-03	1.09E-01	1.62E-02	1.62E-02	1.36E-02	0.00E+00
TEENAGE	MEAT ING	1.89E-04	3.07E-03	5.01E-04	5.01E-04	4.19E-04	0.00E+00
TEENAGE	MILK ING	3.38E-04	7.08E-03	4.96E-04	4.96E-04	4.47E-04	0.00E+00
TEENAGE	TOTALS	5.66E-02	1.46E-01	2.37E-02	2.24E-02	1.92E-02	7.44E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.59E-02	2.03E-02	2.69E-03	1.51E-03	1.06E-03	7.41E-01
ADULT	GROUND	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04	8.49E-04
ADULT	CLOUD	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03	2.41E-03
ADULT	VEG. ING	3.84E-03	4.66E-02	1.05E-02	1.05E-02	8.69E-03	0.00E+00
ADULT	MEAT ING	1.38E-04	1.70E-03	4.14E-04	4.14E-04	3.39E-04	0.00E+00
ADULT	MILK ING	6.54E-05	9.93E-04	1.23E-04	1.23E-04	1.06E-04	0.00E+00
ADULT	TOTALS	5.32E-02	7.29E-02	1.70E-02	1.58E-02	1.35E-02	7.44E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.36E-03	1.09E-02	6.00E-03	3.89E-03	3.22E-03	0.00E+00
INFANT	GROUND	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06
INFANT	CLOUD	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.12E-04	2.14E-03	1.21E-03	1.21E-03	1.09E-03	0.00E+00
INFANT	TOTALS	2.98E-03	1.31E-02	7.21E-03	5.10E-03	4.31E-03	5.04E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	9.55E-04	7.53E-03	2.64E-03	1.48E-03	1.03E-03	0.00E+00

CHILD	GROUND	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06
CHILD	CLOUD	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11
CHILD	VEG. ING	1.45E-03	7.29E-03	6.41E-03	6.41E-03	4.73E-03	0.00E+00
CHILD	MEAT ING	4.22E-05	2.11E-04	2.02E-04	2.02E-04	1.49E-04	0.00E+00
CHILD	MILK ING	8.17E-05	5.62E-04	2.73E-04	2.73E-04	2.06E-04	0.00E+00
CHILD	TOTALS	2.54E-03	1.56E-02	9.53E-03	8.37E-03	6.11E-03	5.04E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	6.55E-04	9.06E-03	1.35E-03	6.69E-04	5.31E-04	0.00E+00
TEENAGE	GROUND	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06
TEENAGE	CLOUD	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11
TEENAGE	VEG. ING	2.38E-03	3.87E-02	5.72E-03	5.72E-03	4.82E-03	0.00E+00
TEENAGE	MEAT ING	6.69E-05	1.09E-03	1.77E-04	1.77E-04	1.48E-04	0.00E+00
TEENAGE	MILK ING	1.20E-04	2.52E-03	1.75E-04	1.75E-04	1.58E-04	0.00E+00
TEENAGE	TOTALS	3.23E-03	5.14E-02	7.42E-03	6.74E-03	5.66E-03	5.04E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	5.82E-04	7.86E-03	1.10E-03	5.10E-04	3.75E-04	0.00E+00
ADULT	GROUND	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06	5.04E-06
ADULT	CLOUD	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11	5.81E-11
ADULT	VEG. ING	1.36E-03	1.65E-02	3.73E-03	3.73E-03	3.07E-03	0.00E+00
ADULT	MEAT ING	4.89E-05	6.01E-04	1.46E-04	1.46E-04	1.20E-04	0.00E+00
ADULT	MILK ING	2.32E-05	3.53E-04	4.35E-05	4.35E-05	3.76E-05	0.00E+00
ADULT	TOTALS	2.02E-03	2.53E-02	5.02E-03	4.43E-03	3.61E-03	5.04E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 3 NAME=BHV-2 X= 1.4KM, Y= 4.7KM, Z= 50.0M, DIST= 4.9KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	2.17E-02	1.12E-02	6.03E-03	5.60E-03	3.88E-03	3.21E-01
INFANT	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
INFANT	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.26E-04	2.17E-03	1.26E-03	1.26E-03	1.14E-03	0.00E+00
INFANT	TOTALS	2.42E-02	1.53E-02	9.17E-03	8.74E-03	6.91E-03	3.22E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	2.02E-02	7.78E-03	2.66E-03	2.24E-03	1.34E-03	3.21E-01
CHILD	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
CHILD	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
CHILD	VEG. ING	1.51E-03	7.55E-03	6.70E-03	6.70E-03	4.95E-03	0.00E+00
CHILD	MEAT ING	4.40E-05	2.19E-04	2.12E-04	2.12E-04	1.56E-04	0.00E+00
CHILD	MILK ING	8.39E-05	5.72E-04	2.85E-04	2.85E-04	2.15E-04	0.00E+00
CHILD	TOTALS	2.38E-02	1.80E-02	1.17E-02	1.13E-02	8.54E-03	3.22E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.99E-02	9.68E-03	1.36E-03	9.95E-04	6.87E-04	3.21E-01
TEENAGE	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
TEENAGE	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
TEENAGE	VEG. ING	2.46E-03	3.99E-02	5.98E-03	5.98E-03	5.04E-03	0.00E+00
TEENAGE	MEAT ING	6.95E-05	1.13E-03	1.85E-04	1.85E-04	1.55E-04	0.00E+00
TEENAGE	MILK ING	1.23E-04	2.56E-03	1.83E-04	1.83E-04	1.65E-04	0.00E+00
TEENAGE	TOTALS	2.45E-02	5.52E-02	9.59E-03	9.23E-03	7.93E-03	3.22E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.99E-02	8.22E-03	1.11E-03	7.81E-04	5.06E-04	3.21E-01
ADULT	GROUND	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04
ADULT	CLOUD	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03
ADULT	VEG. ING	1.41E-03	1.71E-02	3.90E-03	3.90E-03	3.21E-03	0.00E+00
ADULT	MEAT ING	5.09E-05	6.24E-04	1.53E-04	1.53E-04	1.25E-04	0.00E+00
ADULT	MILK ING	2.38E-05	3.60E-04	4.54E-05	4.54E-05	3.91E-05	0.00E+00
ADULT	TOTALS	2.32E-02	2.82E-02	7.09E-03	6.77E-03	5.77E-03	3.22E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.93E-03	2.29E-02	1.21E-02	8.28E-03	6.84E-03	0.00E+00
INFANT	GROUND	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05
INFANT	CLOUD	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.38E-03	4.82E-03	2.72E-03	2.72E-03	2.46E-03	0.00E+00
INFANT	TOTALS	6.32E-03	2.77E-02	1.49E-02	1.10E-02	9.32E-03	1.14E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.99E-03	1.58E-02	5.34E-03	3.15E-03	2.18E-03	0.00E+00
CHILD	GROUND	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05
CHILD	CLOUD	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10
CHILD	VEG. ING	3.27E-03	1.65E-02	1.45E-02	1.45E-02	1.07E-02	0.00E+00
CHILD	MEAT ING	9.52E-05	4.76E-04	4.57E-04	4.57E-04	3.36E-04	0.00E+00
CHILD	MILK ING	1.84E-04	1.27E-03	6.16E-04	6.16E-04	4.66E-04	0.00E+00
CHILD	TOTALS	5.55E-03	3.40E-02	2.09E-02	1.87E-02	1.37E-02	1.14E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.36E-03	1.90E-02	2.73E-03	1.42E-03	1.13E-03	0.00E+00
TEENAGE	GROUND	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05
TEENAGE	CLOUD	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10
TEENAGE	VEG. ING	5.37E-03	8.73E-02	1.29E-02	1.29E-02	1.09E-02	0.00E+00
TEENAGE	MEAT ING	1.51E-04	2.46E-03	3.99E-04	3.99E-04	3.34E-04	0.00E+00
TEENAGE	MILK ING	2.71E-04	5.69E-03	3.96E-04	3.96E-04	3.57E-04	0.00E+00
TEENAGE	TOTALS	7.17E-03	1.15E-01	1.64E-02	1.51E-02	1.27E-02	1.14E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.21E-03	1.65E-02	2.22E-03	1.08E-03	7.98E-04	0.00E+00
ADULT	GROUND	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05
ADULT	CLOUD	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10	1.24E-10
ADULT	VEG. ING	3.07E-03	3.73E-02	8.41E-03	8.41E-03	6.94E-03	0.00E+00
ADULT	MEAT ING	1.10E-04	1.36E-03	3.30E-04	3.30E-04	2.71E-04	0.00E+00
ADULT	MILK ING	5.24E-05	7.98E-04	9.81E-05	9.81E-05	8.48E-05	0.00E+00
ADULT	TOTALS	4.45E-03	5.59E-02	1.11E-02	9.94E-03	8.10E-03	1.14E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 4 NAME=Nearest Resident X= 0.9KM, Y= 2.6KM, Z= 24.0M, DIST= 2.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	4.14E-02	2.32E-02	1.22E-02	9.63E-03	7.37E-03	6.06E-01
INFANT	GROUND	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04
INFANT	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MILK ING	1.39E-03	4.85E-03	2.76E-03	2.76E-03	2.50E-03	0.00E+00
INFANT	TOTALS	4.57E-02	3.09E-02	1.78E-02	1.53E-02	1.28E-02	6.09E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.84E-02	1.60E-02	5.36E-03	3.75E-03	2.43E-03	6.06E-01
CHILD	GROUND	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04
CHILD	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
CHILD	VEG. ING	3.32E-03	1.67E-02	1.47E-02	1.47E-02	1.08E-02	0.00E+00
CHILD	MEAT ING	9.66E-05	4.83E-04	4.64E-04	4.64E-04	3.41E-04	0.00E+00
CHILD	MILK ING	1.86E-04	1.28E-03	6.25E-04	6.25E-04	4.73E-04	0.00E+00
CHILD	TOTALS	4.49E-02	3.73E-02	2.41E-02	2.25E-02	1.70E-02	6.09E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	3.78E-02	1.95E-02	2.74E-03	1.68E-03	1.25E-03	6.06E-01
TEENAGE	GROUND	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04
TEENAGE	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
TEENAGE	VEG. ING	5.44E-03	8.83E-02	1.31E-02	1.31E-02	1.10E-02	0.00E+00
TEENAGE	MEAT ING	1.53E-04	2.49E-03	4.06E-04	4.06E-04	3.40E-04	0.00E+00
TEENAGE	MILK ING	2.73E-04	5.72E-03	4.02E-04	4.02E-04	3.62E-04	0.00E+00
TEENAGE	TOTALS	4.65E-02	1.19E-01	1.96E-02	1.85E-02	1.59E-02	6.09E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	3.76E-02	1.68E-02	2.23E-03	1.30E-03	9.01E-04	6.06E-01
ADULT	GROUND	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04	6.87E-04
ADULT	CLOUD	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03
ADULT	VEG. ING	3.11E-03	3.77E-02	8.55E-03	8.55E-03	7.05E-03	0.00E+00
ADULT	MEAT ING	1.12E-04	1.37E-03	3.35E-04	3.35E-04	2.75E-04	0.00E+00
ADULT	MILK ING	5.29E-05	8.03E-04	9.96E-05	9.96E-05	8.60E-05	0.00E+00
ADULT	TOTALS	4.38E-02	5.96E-02	1.41E-02	1.32E-02	1.12E-02	6.09E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	8.35E-04	3.83E-03	2.19E-03	1.34E-03	1.11E-03	0.00E+00
INFANT	GROUND	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06
INFANT	CLOUD	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	1.96E-04	6.84E-04	3.86E-04	3.86E-04	3.49E-04	0.00E+00
INFANT	TOTALS	1.03E-03	4.51E-03	2.58E-03	1.73E-03	1.46E-03	1.61E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	3.39E-04	2.65E-03	9.67E-04	5.11E-04	3.54E-04	0.00E+00
CHILD	GROUND	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06
CHILD	CLOUD	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11
CHILD	VEG. ING	4.64E-04	2.33E-03	2.05E-03	2.05E-03	1.51E-03	0.00E+00
CHILD	MEAT ING	1.35E-05	6.75E-05	6.47E-05	6.47E-05	4.76E-05	0.00E+00
CHILD	MILK ING	2.61E-05	1.80E-04	8.73E-05	8.73E-05	6.60E-05	0.00E+00
CHILD	TOTALS	8.44E-04	5.23E-03	3.17E-03	2.71E-03	1.98E-03	1.61E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	2.32E-04	3.17E-03	4.94E-04	2.31E-04	1.83E-04	0.00E+00
TEENAGE	GROUND	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06
TEENAGE	CLOUD	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11
TEENAGE	VEG. ING	7.61E-04	1.24E-02	1.83E-03	1.83E-03	1.54E-03	0.00E+00
TEENAGE	MEAT ING	2.14E-05	3.48E-04	5.66E-05	5.66E-05	4.74E-05	0.00E+00
TEENAGE	MILK ING	3.84E-05	8.06E-04	5.61E-05	5.61E-05	5.06E-05	0.00E+00
TEENAGE	TOTALS	1.05E-03	1.67E-02	2.44E-03	2.17E-03	1.82E-03	1.61E-06

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	2.07E-04	2.76E-03	4.03E-04	1.76E-04	1.29E-04	0.00E+00
ADULT	GROUND	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06	1.61E-06
ADULT	CLOUD	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11	2.00E-11
ADULT	VEG. ING	4.35E-04	5.28E-03	1.19E-03	1.19E-03	9.83E-04	0.00E+00
ADULT	MEAT ING	1.56E-05	1.92E-04	4.68E-05	4.68E-05	3.83E-05	0.00E+00
ADULT	MILK ING	7.43E-06	1.13E-04	1.39E-05	1.39E-05	1.20E-05	0.00E+00
ADULT	TOTALS	6.66E-04	8.35E-03	1.66E-03	1.43E-03	1.16E-03	1.61E-06

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 5 NAME=Blanding X= 2.2KM, Y= 9.9KM, Z= 135.0M, DIST= 10.1KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	9.18E-03	4.22E-03	2.23E-03	3.37E-03	1.90E-03	1.37E-01

INFANT	GROUND	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04
INFANT	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	2.13E-04	7.17E-04	4.47E-04	4.47E-04	4.03E-04	0.00E+00
INFANT	TOTALS	1.04E-02	5.93E-03	3.67E-03	4.81E-03	3.30E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	8.62E-03	2.94E-03	9.84E-04	1.41E-03	7.25E-04	1.37E-01
CHILD	GROUND	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04
CHILD	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
CHILD	VEG. ING	5.30E-04	2.63E-03	2.40E-03	2.40E-03	1.77E-03	0.00E+00
CHILD	MEAT ING	1.56E-05	7.71E-05	7.60E-05	7.60E-05	5.59E-05	0.00E+00
CHILD	MILK ING	2.88E-05	1.92E-04	1.02E-04	1.02E-04	7.65E-05	0.00E+00
CHILD	TOTALS	1.02E-02	6.83E-03	4.55E-03	4.98E-03	3.62E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	8.51E-03	3.90E-03	5.01E-04	6.17E-04	3.69E-04	1.37E-01
TEENAGE	GROUND	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04
TEENAGE	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
TEENAGE	VEG. ING	8.60E-04	1.38E-02	2.14E-03	2.14E-03	1.80E-03	0.00E+00
TEENAGE	MEAT ING	2.45E-05	3.94E-04	6.65E-05	6.65E-05	5.55E-05	0.00E+00
TEENAGE	MILK ING	4.13E-05	8.48E-04	6.52E-05	6.52E-05	5.82E-05	0.00E+00
TEENAGE	TOTALS	1.04E-02	2.00E-02	3.77E-03	3.88E-03	3.28E-03	1.38E-01

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	8.48E-03	3.19E-03	4.09E-04	4.98E-04	2.84E-04	1.37E-01
ADULT	GROUND	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04
ADULT	CLOUD	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04	8.88E-04
ADULT	VEG. ING	4.95E-04	5.97E-03	1.40E-03	1.40E-03	1.15E-03	0.00E+00
ADULT	MEAT ING	1.80E-05	2.20E-04	5.49E-05	5.49E-05	4.50E-05	0.00E+00
ADULT	MILK ING	8.10E-06	1.21E-04	1.62E-05	1.62E-05	1.39E-05	0.00E+00
ADULT	TOTALS	9.99E-03	1.05E-02	2.87E-03	2.96E-03	2.48E-03	1.38E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI

INFANT	INHAL.	1.97E-02	9.25E-02	4.58E-02	3.42E-02	2.83E-02	0.00E+00
INFANT	GROUND	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05
INFANT	CLOUD	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.25E-03	2.18E-02	1.23E-02	1.23E-02	1.12E-02	0.00E+00
INFANT	TOTALS	2.60E-02	1.14E-01	5.82E-02	4.66E-02	3.95E-02	5.15E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	7.89E-03	6.36E-02	2.02E-02	1.30E-02	9.01E-03	0.00E+00
CHILD	GROUND	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05
CHILD	CLOUD	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10
CHILD	VEG. ING	1.48E-02	7.45E-02	6.54E-02	6.54E-02	4.83E-02	0.00E+00
CHILD	MEAT ING	4.31E-04	2.16E-03	2.07E-03	2.07E-03	1.52E-03	0.00E+00
CHILD	MILK ING	8.34E-04	5.74E-03	2.79E-03	2.79E-03	2.11E-03	0.00E+00
CHILD	TOTALS	2.40E-02	1.46E-01	9.05E-02	8.34E-02	6.10E-02	5.15E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	5.42E-03	7.71E-02	1.03E-02	5.89E-03	4.67E-03	0.00E+00
TEENAGE	GROUND	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05
TEENAGE	CLOUD	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10
TEENAGE	VEG. ING	2.43E-02	3.95E-01	5.84E-02	5.84E-02	4.92E-02	0.00E+00
TEENAGE	MEAT ING	6.83E-04	1.11E-02	1.81E-03	1.81E-03	1.51E-03	0.00E+00
TEENAGE	MILK ING	1.23E-03	2.57E-02	1.79E-03	1.79E-03	1.62E-03	0.00E+00
TEENAGE	TOTALS	3.17E-02	5.09E-01	7.23E-02	6.79E-02	5.71E-02	5.15E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.80E-03	6.65E-02	8.40E-03	4.49E-03	3.30E-03	0.00E+00
ADULT	GROUND	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05	5.15E-05
ADULT	CLOUD	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10	5.14E-10
ADULT	VEG. ING	1.39E-02	1.69E-01	3.81E-02	3.81E-02	3.14E-02	0.00E+00
ADULT	MEAT ING	4.99E-04	6.14E-03	1.49E-03	1.49E-03	1.22E-03	0.00E+00
ADULT	MILK ING	2.37E-04	3.61E-03	4.44E-04	4.44E-04	3.84E-04	0.00E+00
ADULT	TOTALS	1.95E-02	2.45E-01	4.85E-02	4.46E-02	3.63E-02	5.15E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 6 NAME=Graz Loc 1 X= 0.0KM, Y= 0.6KM, Z= 0.0M, DIST= 0.6KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.43E-01	9.26E-02	4.58E-02	3.49E-02	2.85E-02	2.05E+00
INFANT	GROUND	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03
INFANT	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	6.26E-03	2.18E-02	1.23E-02	1.23E-02	1.12E-02	0.00E+00
INFANT	TOTALS	1.55E-01	1.21E-01	6.44E-02	5.35E-02	4.59E-02	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.31E-01	6.37E-02	2.02E-02	1.33E-02	9.13E-03	2.05E+00
CHILD	GROUND	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03
CHILD	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
CHILD	VEG. ING	1.48E-02	7.46E-02	6.55E-02	6.55E-02	4.84E-02	0.00E+00
CHILD	MEAT ING	4.32E-04	2.16E-03	2.07E-03	2.07E-03	1.52E-03	0.00E+00
CHILD	MILK ING	8.35E-04	5.75E-03	2.79E-03	2.79E-03	2.11E-03	0.00E+00
CHILD	TOTALS	1.54E-01	1.53E-01	9.68E-02	9.00E-02	6.74E-02	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.29E-01	7.73E-02	1.03E-02	6.01E-03	4.72E-03	2.05E+00
TEENAGE	GROUND	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03
TEENAGE	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
TEENAGE	VEG. ING	2.43E-02	3.96E-01	5.85E-02	5.85E-02	4.93E-02	0.00E+00
TEENAGE	MEAT ING	6.84E-04	1.11E-02	1.81E-03	1.81E-03	1.52E-03	0.00E+00
TEENAGE	MILK ING	1.23E-03	2.58E-02	1.79E-03	1.79E-03	1.62E-03	0.00E+00
TEENAGE	TOTALS	1.61E-01	5.16E-01	7.87E-02	7.44E-02	6.34E-02	2.06E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.28E-01	6.66E-02	8.40E-03	4.59E-03	3.35E-03	2.05E+00
ADULT	GROUND	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03	3.01E-03
ADULT	CLOUD	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03	3.24E-03
ADULT	VEG. ING	1.39E-02	1.69E-01	3.81E-02	3.81E-02	3.14E-02	0.00E+00
ADULT	MEAT ING	5.00E-04	6.15E-03	1.50E-03	1.50E-03	1.23E-03	0.00E+00
ADULT	MILK ING	2.38E-04	3.61E-03	4.45E-04	4.45E-04	3.84E-04	0.00E+00
ADULT	TOTALS	1.49E-01	2.51E-01	5.47E-02	5.09E-02	4.27E-02	2.06E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.61E-02	7.33E-02	4.39E-02	2.52E-02	2.09E-02	0.00E+00
INFANT	GROUND	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05
INFANT	CLOUD	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.37E-03	1.18E-02	6.64E-03	6.64E-03	6.02E-03	0.00E+00
INFANT	TOTALS	1.95E-02	8.51E-02	5.05E-02	3.19E-02	2.70E-02	2.78E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	6.57E-03	5.08E-02	1.93E-02	9.61E-03	6.67E-03	0.00E+00
CHILD	GROUND	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05
CHILD	CLOUD	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10
CHILD	VEG. ING	7.99E-03	4.02E-02	3.53E-02	3.53E-02	2.60E-02	0.00E+00
CHILD	MEAT ING	2.32E-04	1.16E-03	1.11E-03	1.11E-03	8.20E-04	0.00E+00
CHILD	MILK ING	4.50E-04	3.10E-03	1.50E-03	1.50E-03	1.14E-03	0.00E+00
CHILD	TOTALS	1.53E-02	9.52E-02	5.73E-02	4.75E-02	3.47E-02	2.78E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	4.49E-03	6.07E-02	9.88E-03	4.34E-03	3.45E-03	0.00E+00
TEENAGE	GROUND	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05
TEENAGE	CLOUD	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10
TEENAGE	VEG. ING	1.31E-02	2.13E-01	3.15E-02	3.15E-02	2.65E-02	0.00E+00
TEENAGE	MEAT ING	3.68E-04	6.00E-03	9.75E-04	9.75E-04	8.16E-04	0.00E+00
TEENAGE	MILK ING	6.61E-04	1.39E-02	9.66E-04	9.66E-04	8.72E-04	0.00E+00
TEENAGE	TOTALS	1.87E-02	2.94E-01	4.33E-02	3.78E-02	3.17E-02	2.78E-05

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	4.01E-03	5.30E-02	8.05E-03	3.31E-03	2.44E-03	0.00E+00
ADULT	GROUND	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05
ADULT	CLOUD	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10	3.76E-10
ADULT	VEG. ING	7.49E-03	9.09E-02	2.05E-02	2.05E-02	1.69E-02	0.00E+00
ADULT	MEAT ING	2.69E-04	3.31E-03	8.05E-04	8.05E-04	6.60E-04	0.00E+00
ADULT	MILK ING	1.28E-04	1.95E-03	2.39E-04	2.39E-04	2.07E-04	0.00E+00
ADULT	TOTALS	1.19E-02	1.49E-01	2.97E-02	2.49E-02	2.03E-02	2.78E-05

TIME STEP NUMBER 1, DURATION IN YRS IS... 2.0

NUMBER 7 NAME=Graz Loc 2 X= 0.3KM, Y= -1.7KM, Z= 0.0M, DIST= 1.7KM, IRTYPE=10

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	INHAL.	1.95E-01	7.35E-02	4.39E-02	2.62E-02	2.13E-02	2.99E+00
INFANT	GROUND	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03
INFANT	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
INFANT	VEG. ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MEAT ING	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
INFANT	MILK ING	3.38E-03	1.18E-02	6.67E-03	6.67E-03	6.04E-03	0.00E+00
INFANT	TOTALS	2.06E-01	9.24E-02	5.77E-02	4.00E-02	3.44E-02	2.99E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
CHILD	INHAL.	1.86E-01	5.09E-02	1.93E-02	1.00E-02	6.84E-03	2.99E+00
CHILD	GROUND	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03
CHILD	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
CHILD	VEG. ING	8.02E-03	4.03E-02	3.54E-02	3.54E-02	2.62E-02	0.00E+00
CHILD	MEAT ING	2.33E-04	1.17E-03	1.12E-03	1.12E-03	8.24E-04	0.00E+00
CHILD	MILK ING	4.51E-04	3.10E-03	1.51E-03	1.51E-03	1.14E-03	0.00E+00
CHILD	TOTALS	2.02E-01	1.03E-01	6.45E-02	5.52E-02	4.21E-02	2.99E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
TEENAGE	INHAL.	1.84E-01	6.11E-02	9.88E-03	4.52E-03	3.54E-03	2.99E+00
TEENAGE	GROUND	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03
TEENAGE	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
TEENAGE	VEG. ING	1.32E-02	2.14E-01	3.16E-02	3.16E-02	2.67E-02	0.00E+00
TEENAGE	MEAT ING	3.70E-04	6.02E-03	9.80E-04	9.80E-04	8.19E-04	0.00E+00
TEENAGE	MILK ING	6.63E-04	1.39E-02	9.70E-04	9.70E-04	8.75E-04	0.00E+00
TEENAGE	TOTALS	2.05E-01	3.02E-01	5.06E-02	4.52E-02	3.90E-02	2.99E+00

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
ADULT	INHAL.	1.83E-01	5.32E-02	8.05E-03	3.46E-03	2.51E-03	2.99E+00
ADULT	GROUND	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03	1.83E-03
ADULT	CLOUD	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03	5.26E-03
ADULT	VEG. ING	7.52E-03	9.12E-02	2.06E-02	2.06E-02	1.70E-02	0.00E+00
ADULT	MEAT ING	2.70E-04	3.32E-03	8.09E-04	8.09E-04	6.63E-04	0.00E+00
ADULT	MILK ING	1.28E-04	1.95E-03	2.40E-04	2.40E-04	2.08E-04	0.00E+00
ADULT	TOTALS	1.98E-01	1.57E-01	3.68E-02	3.22E-02	2.75E-02	2.99E+00

0Program execution time = 0.17 seconds

Attachment B

utah gov | Online Services | Agency List | Business
Search
Utah Division of Water Rights

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/02/2010

WATER RIGHT: **09-466** APPLICATION/CLAIM NO.: **A38681** CERT. NO.:

OWNERSHIP

NAME: Lorenzo Hawkins
ADDR: P.O. Box 182
Blanding UT 84511
INTEREST: 100% REMARKS:

DATES, ETC.

LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:
FILED: 03/08/1968 | PRIORITY: 03/08/1968 | PUB BEGAN: | PUB ENDED: | NEWSPAPER:
ProtestEnd: | PROTESTED: [No] | HEARNG HLD: | SE ACTION: [ ] | ActionDate:09/17/1968 | PROOF DUE:
EXTENSION: | ELEC/PROOF:[Election] | ELEC/PROOF:07/06/1971 | CERT/WUC: | LAP, ETC: | LAPS LETTER:
RUSH LETTR: | RENOVATE: | RECON REQ: | TYPE: [ ]
PD BOOK: [09-] | MAP: [ ] | PUB DATE:
Type of Right: Application to Appropriate Source of Info: Water User's Claim Status: Water User's Claim

LOCATION OF WATER RIGHT*(Points of Diversion: Click on Location to access PLAT Program.)**********MAP VIEWER**********

FLOW: 0.0074 cfs SOURCE: UGW-WELL
COUNTY: San Juan COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND: (Click Well ID# link for more well data.)
(1) S 152 ft W 76 ft from NE cor, Sec 32, T 37S, R 22E, SLBM
DIAMETER OF WELL: 6 ins. DEPTH: 240 to ft. YEAR DRILLED: WELL LOG? NO WELL ID#:
Comment:

USES OF WATER RIGHT********** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*

SUPPLEMENTAL GROUP NO. 4389.

STOCKWATER: 52.0000 Stock Units Div Limit: PERIOD OF USE: 01/01 TO 12/31

PLACE OF USE for STOCKWATERING

	NORTH-WEST¼	NORTH-EAST¼	SOUTH-WEST¼	SOUTH-EAST¼
	NW NE SW SE	NW NE SW SE	NW NE SW SE	NW NE SW SE
Sec 32 T 37S R 22E SLBM	* : : : *	* : X: : *	* : : : *	* : : : *

**********E N D O F D A T A**********

Utah Division of Water Rights | 1594 West North Temple Suite 220, P.O. Box 146300, Salt Lake City, Utah 84114-6300 | 801-538-7240
Natural Resources | Contact | Disclaimer | Privacy Policy | Accessibility Policy

Form 113—5M—12-60

Examined 9-20-68 [illegible]
Recorded: B. C. 9-20-68 [illegible] T. B. [illegible]
Inspection Sheet 9-20-68 [illegible]
Copied

REPORT OF WELL DRILLER
STATE OF UTAH

Application No. 38681 (09-466)
Claim No.
Coordinate No. (D-37-22) 32 aaa

GENERAL STATEMENT: Report of well driller is hereby made and filed with the State Engineer, in accordance with the laws of Utah. (This report shall be filed with the State Engineer within 30 days after the completion or abandonment of the well. Failure to file such reports constitutes a misdemeanor.)

(1) WELL OWNER:
Name LORENZO HAWKINS.
Address BLANDING, UTAH 84511

(2) LOCATION OF WELL:
County SAN JUAN Ground Water Basin (leave blank)
~~North~~ South 152 feet, ~~East~~ West 76 feet from NE Corner of Section 32, T 37 ~~N~~ S, R 22 E SLBM ~~W~~ USM (strike out words not needed)

(3) NATURE OF WORK (check): New Well ☑
Replacement Well ☐ Deepening ☐ Repair ☐ Abandon ☐
If abandonment, describe material and procedure:

(4) NATURE OF USE (check):
Domestic ☐ Industrial ☐ Municipal ☐ Stockwater ☑
Irrigation ☐ Mining ☐ Other ☐ Test Well ☐

(5) TYPE OF CONSTRUCTION (check):
Rotary ☐ Dug ☐ Jetted ☐
Cable ☐ Driven ☐ Bored ☐

(6) CASING SCHEDULE: Threaded ☐ Welded ☑
I.D. 6" Diam. from 1 feet to 240 feet Gage
" Diam. from feet to feet Gage
" Diam. from feet to feet Gage
New ☑ Reject ☐ Used ☐

(7) PERFORATIONS: Perforated? Yes ☑ No ☐
Type of perforator used Cutting torch
Size of perforations 1/8 inches by 12 inches
60 perforations from 240 feet to 200 feet
perforations from feet to feet
perforations from feet to feet
perforations from feet to feet
perforations from feet to feet

(8) SCREENS: Well screen installed? Yes ☐ No ☑
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to
Diam. Slot size Set from ft. to

(9) CONSTRUCTION:
Was well gravel packed? Yes ☐ No ☑ Size of gravel:
Gravel placed from feet to feet
Was a surface seal provided? Yes ☐ No ☐
To what depth? feet
Material used in seal:
Did any strata contain unusable water? Yes ☐ No ☑
Type of water: Depth of strata
Method of sealing strata off:

Was surface casing used? Yes ☐ No ☐
Was it cemented in place? Yes ☐ No ☐

(10) WATER LEVELS:
Static level 150 feet below land surface Date Sept 15.
Artesian pressure feet above land surface Date

(11) FLOWING WELL:
Controlled by (check) Valve ☐
Cap ☐ Plug ☐ No Control ☐
Does well leak around casing? Yes ☐ No ☐

(12) WELL TESTS: Drawdown is the distance in feet the water level is lowered below static level.
Was a pump test made? Yes ☐ No ☑ If so, by whom?
Yield: gal./min. with feet drawdown after hours
" " " " "
" " " " "
Bailer test 12 gal./min. with 80 feet drawdown after 35 min hours
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? No ☑ Yes ☐

(13) WELL LOG: Diameter of well 8" below 6 inches
Depth drilled 240 feet. Depth of completed well 240 feet.

NOTE: Place an "X" in the appropriate space or combination of spaces needed to designate the material or combination of materials encountered in each depth interval. Under REMARKS make any desirable notes as to occurrence of water and the color, size, nature, etc., of material encountered in each depth interval. Use additional sheet if needed.

DEPTH From	DEPTH To	Clay	Silt	Sand	Gravel	Cobbles	Boulders	Hardpan	Conglomerate	Bedrock	Other	REMARKS
0	14		X									top soil Red
14	115									X		Light Sandstone
115	150	X										Red shale
150	200									X		Light brown with water
200	210									X		Light sandstone
210	238								X			Hard - Show water
238	240	X										Red shale

Work started Sept 6, 1968 Completed Sept 14, 1968

(14) PUMP:
Manufacturer's Name
Type: H. P.
Depth to pump or bowles feet

Well Driller's Statement:
This well was drilled under my supervision, and this report is true to the best of my knowledge and belief.
Name BUTLER DRILLING (Person, firm, or corporation) (Type or print)
Address Box 613, BLANDING, UTAH 84511
(Signed) [signature] (Well Driller)
License No. 171 Date Sept 16, 1968

LOG RECEIVED: STATE ENGINEER'S OFFICE SEP 18 1968

USE OTHER SIDE FOR ADDITIONAL REMARKS

Form 168

WELL INSPECTION REPORT

Water Right Application No. 38681 (09-466) Date February 19, 1971

Owner's Name Lorenzo Hawkins

Owner's Address Blanding, Utah 84511

Well location (from application or claim) South 152 ft. and West 76 ft. from NE Cor.

Sec. 32, T37S., R22E., SLB&M County San Juan

New Well X Repair ____ Clean ____ Deepen ____ Replace ____

Diameter of Casing 6" New X Used ____

If "used" casing, was it inspected before being used? ____

Replacement Well

New well is located ____ feet east or west and ____ feet north or south from old well.

Has old well been plugged? ____ By whom? ____

Date plugged ____ Method of plugging ____

Flowing Well

Type of control: Valve ( ) Cap ( ) Other ( )

If other than commercial valve or cap, describe the type of control ____

Is the control effective? ____

If not, explain why: ____

Does water leak around casing when control is closed? ____

If so, what is the rate of leakage? ____

Was the well in use at time of inspection? ____

Does the well yield sand? ____ Are there signs of caving? ____

Non-Flowing Well

Was the well equipped with pump at time of inspection? Yes

Does well pump sand? No Are there signs of caving? No

Comments: Submersible

Nature of Use

Domestic ____ Stock X Irrigation ____ Municipal ____ Mining ____ Other ____

If "other" describe use ____

Rate of Discharge

Estimated ____ Measured ____ Method of Measurement: ____

(State whether g.p.m. or c.f.s.)

Tag placed on well X Tag already on well ____ Tag needs to be prepared ____

Comments: Tag nailed to service mast

Inspection made by

K.H. McKinney

DOCVIEW Document Viewer

Version: 2006.10.27.00

Sort by Date | Quickview | Please INDEX | New Folder

Document Listing for Folder: 09-466

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Page Number	Date	Description	
1		Scanning History Sheet	
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3		Water User's Claim	pg 2
4		Water User's Claim	
5		Water User's Claim	pg 2
6		Election	
7		Extension Granted	
8		Extension of time Request	
9		Hearing Notice	
10		Miscellaneous	Well Inspection Report
11		14 Day Proof Due Notice	
12		60 Day Proof Due Notice	
13		Correspondence	Proof requirements
14		Approval Letter	Application
15		Application to Appropriate	A38681
16		Application to Appropriate	pg 2
17		Endorsement Page	pg 3
18		Well Log	
19		Provisional (Rush) Letter	
20		Correspondence	
21		Green card (Certified mail receipt)	
22		Notice to Water Users	
23		Proof of publication	

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Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/02/2010

WATER RIGHT: **09-193** APPLICATION/CLAIM NO.: **A27954** CERT. NO.:

OWNERSHIP

NAME: Alma U. Jones
ADDR: Blanding UT 84511

DATES, ETC.

LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:
FILED: 03/16/1956 | PRIORITY: 03/16/1956 | PUB BEGAN: | PUB ENDED: | NEWSPAPER:
ProtestEnd: | PROTESTED: [No] | HEARNG HLD: | SE ACTION: [ ] | ActionDate:03/26/1957 | PROOF DUE:
EXTENSION: | ELEC/PROOF:[ ] | ELEC/PROOF: | CERT/WUC: | LAP, ETC: | LAPS LETTER:
RUSH LETTR: | RENOVATE: | RECON REQ: | TYPE: [ ]
PD BOOK: [09-] | MAP: [ ] | PUB DATE:
Type of Right: Application to Appropriate Source of Info: Application to Appropriate Status: No Prf Req

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)**********MAP VIEWER**********

FLOW: 0.015 cfs SOURCE: Underground Water Well
COUNTY: San Juan COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND: (Click Well ID# link for more well data.)
(1) S 50 ft W 1420 ft from E4 cor, Sec 33, T 37S, R 22E, SLBM
DIAMETER OF WELL: 4 ins. DEPTH: 200 to ft. YEAR DRILLED: WELL LOG? NO WELL ID#:
Comment:

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*

SUPPLEMENTAL GROUP NO. 3910.

STOCKWATER: 40.0000 Stock Units Div Limit: PERIOD OF USE: 01/01 TO 12/31

**********E N D O F D A T A**********

DOCVIEW Document Viewer

Version: 2006.10.27.00

Sort by Date | Quickview | Please INDEX | New Folder

Document Listing for Folder: 09-193

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Page Number	Date	Description	
1		Scanning History Sheet	
2		Application to Appropriate	
3		Application to Appropriate	p2
4		Endorsement Page	p3
5		Approval Letter	
6		Correspondence (from Division)	Application
7		Correspondence	Check enclosed
8		Provisional (Rush) Letter	
9		Correspondence (from Division)	Application
10		Map	
11		Memo to File	

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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/02/2010

WATER RIGHT: **09-895** APPLICATION/CLAIM NO.: **A49629** CERT. NO.:

OWNERSHIP**********

NAME: Neldon E. Holt
ADDR: Box 394
Blanding UT 84511
INTEREST: 100% REMARKS:

DATES, ETC.**********

LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:
FILED: 07/13/1977|PRIORITY: 09/25/1980|PUB BEGAN: |PUB ENDED: |NEWSPAPER:
ProtestEnd: |PROTESTED: [No]|HEARNG HLD: |SE ACTION: [ ]|ActionDate:01/25/1978|PROOF DUE: 02/28/1983
EXTENSION: |ELEC/PROOF:[Election]|ELEC/PROOF:01/31/1983|CERT/WUC: |LAP, ETC: 09/23/1983|LAPS LETTER:
RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: [ ]
PD BOOK: [09-]|MAP: [ ]|PUB DATE:
Type of Right: Application to Appropriate Source of Info: Application to Appropriate Status: Withdrawn

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)**********MAP VIEWER**********

FLOW: 0.015 cfs SOURCE: Underground Water Well
COUNTY: San Juan COMMON DESCRIPTION: 4 1/2 Miles S. of Blanding

POINT OF DIVERSION -- UNDERGROUND: (Click Well ID# link for more well data.)
(1) S 1340 ft E 1300 ft from N4 cor, Sec 21, T 37S, R 22E, SLBM
DIAMETER OF WELL: 6 ins. DEPTH: 100 to 700 ft. YEAR DRILLED: WELL LOG? NO WELL ID#:
Comment:

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*

SUPPLEMENTAL GROUP NO. 4788.

IRRIGATION: 0.25 acres Div Limit: 0.0 acft. PERIOD OF USE: 03/15 TO 10/15

STOCKWATER: 24.0000 Stock Units Div Limit: PERIOD OF USE: 01/01 TO 12/31

###PLACE OF USE:	NORTH WEST QUARTER NW	NE	SW	SE	NORTH EAST QUARTER NW	NE	SW	SE	SOUTH WEST QUARTER NW	NE	SW	SE	SOUTH EAST NW	NE	GROUP
Sec 21 T 37S R 22E SLBM								0.2500							

PLACE OF USE for STOCKWATERING**********

	NORTH-WEST¼ NW	NE	SW	SE	NORTH-EAST¼ NW	NE	SW	SE	SOUTH-WEST¼ NW	NE	SW	SE	SOUTH-EAST¼ NW	NE	SW	SE
Sec 21 T 37S R 22E SLBM								X								

DIVERSION & DEPLETION ESTIMATES**********

(All values in acre-feet, Growing Season in days)

	IRRIGATION	STOCK	DOMESTIC	MUNICIPAL	MINING	POWER	OTHER	MANUALLY EVALUATED	ACRE-FEET EXPORTED	DIVERSION DUTY	DEPLETION DUTY	GROWING SEASON	WATER-USE REPORTING
DIV:								Yes					
DEP:													

**********END OF DATA**********

DOCVIEW Document Viewer

Version: 2006.10.27.00

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Document Listing for Folder: 09-895

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1	09/23/1983	Memorandum Decision/Order St. Engineer	
2	09/01/1983	Miscellaneous	request for cancellation
3	01/31/1983	Election	
4	12/28/1982	Correspondence	proof due
5	10/16/1980	Correspondence	Extension Granted
6	08/25/1980	Extension of time Request	Extension Form
7	10/10/1980	Correspondence	
8	09/18/1980	Protest	
9	01/16/1980	Election	withdrawn
10	01/15/1980	Envelope	
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23	09/ /1977	Proof of publication	
24	12/31/1982	Green card (Certified mail receipt)	
25	01/07/1980	Green card (Certified mail receipt)	

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WELLPRT Well Log Information Listing

Version: 2003.09.18.00 Rundate: 10/11/2003 10:54 AM

Utah Division of Water Rights

Water Well Log

LOCATION:
N 1095 ft W 725 ft from E4 CORNER of SECTION 21 T 37S R 22E BASE SL Elevation: feet
1 OF 2

OWNER(S):
OWNER: Dale Lyman
ADDRESS: P.O. Box 306
CITY: Blanding STATE: UT ZIP: 84511

DRILLER ACTIVITIES:
ACTIVITY # 1 NEW WELL
DRILLER: BAYLES EXPLORATION INC LICENSE #: 486
START DATE: 05/11/1997 COMPLETION DATE: 05/12/1997

BOREHOLE INFORMATION:

Depth(ft) From	To	Diameter(in)	Drilling Method	Drilling Fluid
0	42	9.25	ROTARY	NA
42	160	5.25	ROTARY	NA

LITHOLOGY:

Depth(ft) From	To	Lithologic Description	Color	Rock Type
0	5	HIGH-PERMEABILITY,SILT	RED	TOP SOIL
5	25	LOW-PERMEABILITY,CLAY	YELLOW/PURPL	CLAY
25	45	HIGH-PERMEABILITY,SAND	BROWN/PINK	SANDSTONE
45	70	HIGH-PERMEABILITY,SAND	WHITE	SANDSTONE
70	85	HIGH-PERMEABILITY,SAND	BROWN	SANDSTONE
85	100	HIGH-PERMEABILITY,SAND	GREY	SANDSTONE
100	120	WATER-BEARING,HIGH-PERMEABILITY,SAND	WHITE	SANDSTONE
120	135	LOW-PERMEABILITY,CLAY	GREEN	SHALE
135	150	HIGH-PERMEABILITY,SILT	BROWN	SANDSTONE
150	160	LOW-PERMEABILITY,CLAY	RED	SHALE

WATER LEVEL DATA:

Date	Time	Water Level (feet) (-)above ground	Status
05/12/1997		50.00	STATIC

CONSTRUCTION - CASING:

Depth(ft) From	To	Material	Gage(in)	Diameter(in)
0	42	NEW STEEL	.250	5.00

CONSTRUCTION - FILTER PACK/ANNULAR SEALS

Depth(ft) From	To	Material	Amount	Density(pcf)
0	42	SLURRY CEMENT	1140	12

WELL TESTS:

Date	Test Method	Yield (CFS)	Drawdown (ft)	Time Pumped (hrs)
05/12/1997	AIR BLAST	.022		

GENERAL COMMENTS:
CONSTRUCTION INFORMATION:
Well head configuration: 5" well cap
Casing Joint type: T & C
Perforator used: N/A
Screen/perforations: N/A
Filter pack: Slurry cement placed 0' to 42'
1140 lbs/12 bags

WELLPRT Well Log Information Listing

Version: 2003.09.18.00 Rundate: 10/11/2003 07:09 PM

Utah Division of Water Rights

Water Well Log

LOCATION:
S 660 ft W 700 ft from NE CORNER of SECTION 21 T 37S R 22E BASE SL Elevation: feet

OWNER(S):
OWNER: Dale Lyman
ADDRESS: P.O. Box 729
CITY: Wellington STATE: UT ZIP: 84542
REMARKS: 4356360496

DRILLER ACTIVITIES:
ACTIVITY # 1 NEW WELL
DRILLER: BAYLES EXPLORATION INC LICENSE #: 486
START DATE: 07/21/1998 COMPLETION DATE: 07/22/1998

BOREHOLE INFORMATION:

Depth(ft) From	To	Diameter(in)	Drilling Method	Drilling Fluid
0	40	9.12	ROTARY	N/A
40	180	5.12	ROTARY	N/A

LITHOLOGY:

Depth(ft) From	To	Lithologic Description	Color	Rock Type
0	10	HIGH-PERMEABILITY,SILT	RED	TOP SOIL
10	30	LOW-PERMEABILITY,CLAY	YELLOW	CLAY
30	40	LOW-PERMEABILITY,CLAY	PURPLE	CLAY
40	80	HIGH-PERMEABILITY,SAND	TAN-WHITE	SANDSTONE
80	100	HIGH-PERMEABILITY,SAND	BROWN	SANDSTONE
100	120	WATER-BEARING,HIGH-PERMEABILITY,SAND	GREY	SANDSTONE
120	140	HIGH-PERMEABILITY,SAND	BROWN	SANDSTONE
140	150	LOW-PERMEABILITY,CLAY	GREEN	SHALE
150	160	HIGH-PERMEABILITY,SAND	WHITE	SANDSTONE
160	180	LOW-PERMEABILITY,CLAY	RED	SHALE

WATER LEVEL DATA:

Date	Time	Water Level (feet) (-)above ground	Status
07/22/1998		58.00	STATIC

CONSTRUCTION - CASING:

Depth(ft) From	To	Material	Gage(in)	Diameter(in)
0	40	NEW STEEL	.250	5.00

CONSTRUCTION - FILTER PACK/ANNULAR SEALS

Depth(ft) From	To	Material	Amount	Density(pcf)
0	40	CEMENT	15 BAGS	1440

WELL TESTS:

Date	Test Method	Yield (CFS)	Drawdown (ft)	Time Pumped (hrs)
07/22/1998	AIR BLAST	.036		

GENERAL COMMENTS:
CONSTRUCTION INFORMATION:
Well Head Configuration: cap
Casing Joint Type: Welded
Perforator Used: N/A
SCREENS: N/A
PUMP: N/A
Additional data not available

WL1

WELL DRILLER'S REPORT
State of Utah
Division of Water Rights

For additional space, use "Additional Well Data Form" and attach

Well Identification PROVISIONAL WELL: 98-09-007-P-01

RECEIVED
JUL 27 1998
WATER RIGHTS
SALT LAKE

Owner *Note any changes*

Dale Lyman
P.O. Box 729
Wellington, UT 84542

Contact Person/Engineer:

Well Location *Note any changes*

SOUTH 660 feet WEST 700 feet from the NE Corner of SECTION 21, TOWNSHIP 37S, RANGE 22E, SLB&M.

Location Description: (address, proximity to buildings, landmarks, ground elevation, local well #)

Drillers Activity Start Date: 7-21-98 Completion Date: 7-22-98

Check all that apply:
[X] New [ ] Repair [ ] Deepen [ ] Abandon [ ] Replace [ ] Public Nature of Use:

DEPTH (feet) FROM	TO	BOREHOLE DIAMETER (in)	DRILLING METHOD	DRILLING FLUID
0	40	9 5/8	Rotary	N/A
40	180	5 5/8	Rotary	

Well Log

DEPTH (feet) FROM	TO	WATER	PERMEABLE high	PERMEABLE low	UNCONSOLIDATED CLAY	SILT	SAND	GRAVEL	COBBLES	BOULDER	OTHER	CONSOLIDATED ROCK TYPE	COLOR	DESCRIPTIONS AND REMARKS (include comments on *water quality* if known.)
0	10		X			X						Topsoil	Red	
10	30			X	X							clay	Yellow	
30	40			X	X							clay	Purple	
40	80		X				X					Sandstone	Tan-white	
80	100		X				X					Sandstone	Brown	
100	120	X	X				X					Sandstone	Grey	
120	140		X				X					Sandstone	Brown	
140	150			X	X							Shale	Green	
150	160		X				X					Sandstone	white	
160	180			X	X							Shale	Red	

Static Water Level

Date 7-22-98 Water Level 58 feet Flowing? [ ] Yes [X] No

Method of Water Level Measurement Tape If Flowing, Capped Pressure PSI

Point to Which Water Level Measurement was Referenced Surface

Height of Water Level reference point above ground surface feet Temperature [ ] °C [ ] °F

[redacted] *Well Log* [redacted]

Construction Information

DEPTH (feet) FROM	TO	CASING: CASING TYPE AND MATERIAL/GRADE	WALL THICK (in)	NOMINAL DIAM. (in)	DEPTH (feet) FROM	TO	SCREEN ☐ PERFORATIONS ☐: SLOT SIZE OR PERF SIZE (in)	SCREEN DIAM. OR PERF LENGTH (in)	SCREEN TYPE OR NUMBER PERF (per round/interval)
0	40	New Steel	250	5			N/A		

Well Head Configuration: Cap Access Port Provided? ☐ Yes ☒ No

Casing Joint Type: Welded Perforator Used: N/A

DEPTH (feet) FROM	TO	FILTER PACK / GROUT / PACKER / ABANDONMENT MATERIAL: ANNULAR MATERIAL, ABANDONMENT MATERIAL and/or PACKER DESCRIPTION	Quantity of Material Used (if applicable)	GROUT DENSITY (lbs./gal.,# bag mix, gal./sack etc.)
0	40	Cement	15 bags	1440 lbs

Well Development / Pump or Bail Tests

Date	Method	Yield	Units Check One: GPM	CFS	DRAWDOWN (ft)	TIME PUMPED (hrs & min)
7-22-98	Air Blast	16	X			

Pump (Permanent)

Pump Description: N/A Horsepower: _____ Pump Intake Depth: _____ feet

Approximate maximum pumping rate: _____ Well disinfected upon completion? ☐ Yes ☐ No

Comments

Description of construction activity, additional materials used, problems encountered, extraordinary circumstances, abandonment / procedures. *Use additional well data form for more space.*

Well Driller Statement

This well was drilled or abandoned under my supervision, according to applicable rules and regulations, and this report is complete and correct to the best of my knowledge and belief.

Name Baylos Exploration Inc. License No. 486
(Person, Firm, or Corporation – Print or Type)

Signature Robert L Baylos Date 7-23-98
(Licensed Well Driller)

WL1

W_LL DRILLER'S REPO_T

State of Utah
Division of Water Rights

RECEIVED
MAY 20 1997
WATER RIGHTS
SALT LAKE

For additional space, use "Additional Well Data Form" and attach

Well Identification PROVISIONAL WELL: 97-09-001-P-01

Owner *Note any changes*
Dale Lyman
P.O. Box 306
Blanding, UT 84511

Contact Person/Engineer:

Well Location *Note any changes*
NORTH 1095 feet WEST 725 feet from the E¼ Corner of SECTION 21, TOWNSHIP 37S, RANGE 22E, SLB&M.

Location Description: (address, proximity to buildings, landmarks, ground elevation, local well #)

Drillers Activity Start Date: 5-11-97 Completion Date: 5-12-97

Check all that apply:
☐ New ☐ Repair ☐ Deepen ☐ Abandon ☐ Replace ☐ Public Nature of Use:

DEPTH (feet) FROM	TO	BOREHOLE DIAMETER (in)	DRILLING METHOD	DRILLING FLUID
+1	42	9 1/4	Rotary	N/A
42	160	5 1/8	Rotary	

Well Log

DEPTH (feet) FROM	TO	WATER	PERMEABLE high	PERMEABLE low	UNCONSOLIDATED CLAY	SILT	SAND	GRAVEL	COBBLES	BOULDER	OTHER	CONSOLIDATED ROCK TYPE	COLOR	DESCRIPTIONS AND REMARKS (include comments on *water quality* if known.)
0	5		X			X						Topsoil	Red	
5	25			X	X							Clay	Yellow-Purple	
25	45		X				X					Sandstone	Brow-Pink	
45	70		X				X					Sandstone	white	
70	85		X				X					Sandstone	Brown	
85	100		X				X					Sandstone	Grey	
100	120	X	X				X					Sandstone	white	
120	135			X	X							Shale	Green	
135	150		X				X					Sandstone	Brown	
150	160			X	X							Shale	Red	

Static Water Level
Date 5-12-97 Water Level 50 feet Flowing? ☐ Yes ☒ No
Method of Water Level Measurement Tape If Flowing, Capped Pressure _____ PSI
Point to Which Water Level Measurement was Referenced Surface
Height of Water Level reference point above ground surface _____ feet Temperature _____ [ ] °C [ ] °F

Well Log

Construction Information

DEPTH (feet) FROM	TO	CASING: CASING TYPE AND MATERIAL/GRADE	WALL THICK (in)	NOMINAL DIAM. (in)	DEPTH (feet) FROM	TO	SCREEN ☐ PERFORATIONS ☐: SLOT SIZE OR PERF SIZE (in)	SCREEN DIAM. OR PERF LENGTH (in)	SCREEN TYPE OR NUMBER PERF (per round/interval)
0	42	New steell	.250	5					
							N/A		

Well Head Configuration: 5" Well cap Access Port Provided? ☒ Yes ☐ No

Casing Joint Type: T+C Perforator Used: N/A

DEPTH (feet) FROM	TO	FILTER PACK / GROUT / PACKER / ABANDONMENT MATERIAL: ANNULAR MATERIAL, ABANDONMENT MATERIAL and/or PACKER DESCRIPTION	Quantity of Material Used (if applicable)	GROUT DENSITY (lbs./gal.,# bag mix, gal./sack etc.)
0	42	Slurry cement placed 0' to 42"	1140 lbs	12 bags

Well Development / Pump or Bail Tests

Date	Method	Yield	Units Check One GPM	CFS	DRAWDOWN (ft)	TIME PUMPED (hrs & min)
5-12-97	Air Blast	10	X			

Pump (Permanent)

Pump Description: N/A Horsepower: Pump Intake Depth: feet

Approximate maximum pumping rate: Well disinfected upon completion? ☐ Yes ☐ No

Comments

Description of construction activity, additional materials used, problems encountered, extraordinary circumstances, abandonment / procedures. *Use additional well data form for more space.*

Well Driller Statement

This well was drilled or abandoned under my supervision, according to applicable rules and regulations, and this report is complete and correct to the best of my knowledge and belief.

Name Bayles Exploration Inc. License No. 486
(Person, Firm, or Corporation – Print or Type)

Signature Ruth L. Bayles Date 5-16-97
(Licensed Well Driller)

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Utah Division of Water Rights

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/02/2010

WATER RIGHT: **09-473** APPLICATION/CLAIM NO.: **A39047** CERT. NO.: 8861

OWNERSHIP

NAME: USA Utah Launch Complex White Sands Missle Range
ADDR: c/o A. Muray Maughn, Site Director
Green River UT 84525

DATES, ETC.

LAND OWNED BY APPLICANT? No COUNTY TAX ID#:
FILED: 09/27/1968|PRIORITY: 09/27/1968|PUB BEGAN: |PUB ENDED: |NEWSPAPER:
ProtestEnd: |PROTESTED: [No]|HEARNG HLD: |SE ACTION: [Approved]|ActionDate:02/13/1969|PROOF DUE:
EXTENSION: |ELEC/PROOF:[ ]|ELEC/PROOF: |CERT/WUC: |LAP, ETC: |LAPS LETTER:
RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: [ ]
PD BOOK: [09-]|MAP: [ ]|PUB DATE:
Type of Right: Application to Appropriate Source of Info: Certificate Status: Certificate

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)**********MAP VIEWER**********

FLOW: 0.015 cfs SOURCE: Underground Water Well
COUNTY: San Juan COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND: (Click Well ID# link for more well data.)
(1) S 608 ft W 327 ft from NE cor, Sec 27, T 37S, R 22E, SLBM
DIAMETER OF WELL: 6 ins. DEPTH: 650 to ft. YEAR DRILLED: WELL LOG? NO WELL ID#:
Comment:

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*

SUPPLEMENTAL GROUP NO. 4397.

DOMESTIC: 5.0000 EDUs Div Limit: PERIOD OF USE: 01/01 TO 12/31
Mar 16, 2007 -- admin decision to convert PERSONS/5 to FAMILIES and not use PERSONS.

(Orig Per:
25)

###PLACE OF USE:	NORTH WEST QUARTER				NORTH EAST QUARTER				SOUTH WEST QUARTER				SOUTH EAST				
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE			
Sec 27 T 37S R 22E SLBM						X											GROUP

**********E N D O F D A T A**********

DOCVIEW Document Viewer

Version: 2006.10.27.00

Document Listing for Folder: 09-473

Links listed below represent documents which are contained in this folder. Documents in the folder are normally listed chronologically beginning with the most recent document. View a document by selecting a link from the list below. **NOTE:** Documents in a folder may be of many types including scanned papers, photos, sound recordings, and full motion video. External or plug-in viewers may be required to access the document information.

Documents in the file are **indexed** by document type and date. If the documents in this file are listed as **Unknown Document** you can request indexing by hitting the **Please INDEX** button above. NOTE: Since indexing is a manual process it may take a day or two to complete your request, but often it will be completed in minutes.

Page Number	Date	Description	
1		Scanning History Sheet	
2		Letter with Certificate	
3		Certificate	Appropriation
4		Certificate	pg 2
5		Application to Appropriate	A39047
6		Application to Appropriate	pg 2
7		Endorsement Page	pg 3
8		Proof	Appropriation
9		Proof	pg 2
10		Proof	pg 3
11		Proof Map	
12		Proof Map	
13		Miscellaneous	Well Inspection Report
14		Proof Correction Letter	
15		Field Exam Report	
16		Proof Received Notice	
17		Approval Letter	Application
18		Correspondence	Application
19		Provisional (Rush) Letter	
20		Request for Publication	
21		Correspondence (from Division)	Advertising
22		Notice to Water Users	
23		Notice to Water Users	
24		Proof of publication	
25		Miscellaneous	Well Inspection Report

Attachment C

Key to Table 1.5-4 Entries

Status
A=Approved
P=Perfected
T=Terminated
U=Unapproved

Uses
D=Domestic
I=Irrigation
M=Municipal
P=Power
S=Stock Water
X=Mining
O=Other

Note that the designation "a" or "t" does not represent an additional water appropriation, but indicates a modification to an existing appropriation.

Attachment D

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

OCT 12 1979

WMUR:EAT
Docket No. 40-8681
SUA-1358, Amendment No. 1

Energy Fuels Nuclear, Inc.
ATTN: Mr. R. W. Adams
Chairman of the Board
Three Park Central, Suite 900
1515 Arapahoe
Denver, Colorado 80202

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License SUA-1358 is hereby amended to authorize the first stage of construction of the embankments and liner system of the tailings retention system by revising Conditions 25 and 26 as follows:

25. The licensee shall construct, operate, and maintain the embankments and liner system for the Initial Construction Phase illustrated on Sheet 4 of 16 of the "Engineers Report, Tailings Management System, White Mesa Project, Blanding, Utah," (Evaporation Cell 1 - Initial, Tailings Cell 2, and the Cell 2 "Safety Dike") in accordance with the following documents, including all consultant recommendations, submitted in connection with the tailings retention system proposal:

    a. June 19, 1979 letter forwarding "Engineers Report, Tailings Management System, White Mesa Project, Blanding, Utah" (prepared by D'Appolonia Consulting Engineers, Inc.).

    b. September 11, 1979 letter forwarding "Guideline Specifications for Earthwork, Liner Material, Liner Installation, Inspection and Maintenance, Tailings Management System, White Mesa Project, Blanding, Utah."

    c. September 14, 1979 letter forwarding "Addendum to Guideline Specifications, Initial Phase Construction, Tailings Management System, White Mesa Project, Blanding, Utah" (addendum to "Engineers Report, Tailings Management System, White Mesa Project, Blanding, Utah").

    d. September 28, 1979 letter forwarding "Response to Dam Safety Questions, NRC Consultants Review. White Mesa Project, Blanding, Utah."

10/18/79

e. October 10, 1979 letter forwarding "Addendum 2 to Guideline Specifications, Initial Phase Construction, Tailings Management System, White Mesa Project, Blanding, Utah."

Gravel material that is used in the lining underdrain system shall consist of clean gravel free of organic material containing less than 2 percent which passes a #100 sieve. After placement the gravel material shall have a permeability greater than 1000 times the permeability of the underlying material. Filter criteria shall be met between all materials in adjacent zones of the liner underdrain system.

In addition, the licensee shall not make any changes in the Initial Construction Phase portion of the tailings retention system without specific prior approval of the NRC obtained through application for amendment to this license. Also, construction of any of the embankments and/or the liner system for portions of the tailings retention system other than the Initial Construction Phase shall not begin until the system design has been reviewed and approved by the NRC, and NRC approval has been incorporated into this license by amendment.

Note: When requirements apply to cell embankments, it is intended that the requirements apply to all of the embankments in the Initial Construction Phase illustrated on Sheet 4 of 16 of the "Engineers Report, Tailings Management System, White Mesa Project, Blanding, Utah," i.e., embankments on the downstream sides of Cell 1 - Initial and Cell 2 and the Cell 2 "Safety Dike" (the Cell 2 "Safety Dike" will become the embankment on the downstream side of Cell 3 during a future phase of construction). Requirements concerning the liner system apply to cells lined during Initial Construction Phase, i.e., Cell 1 - Initial and Cell 2. Only Cell 1 - Initial and Cell 2 must be completely constructed prior to generation of tailings.

26. The licensee shall comply with the following regarding construction, operation, and maintenance of the tailings retention system:

Note: See Condition 25 "Note" for applicability of requirements concerning cell embankments and cell liners.

a. Notify Region IV, USNRC, Office of Inspection and Enforcement, Arlington, Texas and the Uranium Recovery Licensing Branch, USNRC, Washington, D. C., at least three weeks prior to the following construction features to provide adequate time for on-site inspections by the NRC:

i. When foundation excavation is near completion and prior to placement of embankment fill, except for Initial Construction Phase embankment foundations for which an on-site inspection by the NRC has already been conducted.

ii. During embankment fill placement at approximately 10 percent and 70 percent stages of completion.

iii. When cell excavation is near completion and prior to placement of the liner system.

iv. At intermediate stages during the liner construction to allow time for inspection of the compacted bed material underneath the liner, construction of joints in the liner and placement of cover over the liner.

b. Submit to the Uranium Recovery Licensing Branch, USNRC, Washington, D.C., within six months after completion of each substage of construction, as-built drawings showing construction details of the foundations of embankments and liner system and subsoil profile (including topography and a mapping of soil types) prior to embankment construction and liner installation and a construction report summarizing the following:

i. Compaction control test results.

ii. Classification of all soils used in the embankment.

iii. Construction equipment and procedures.

iv. Unexpected conditions and problems encountered in construction, and methods employed to resolve these problems.

c. Maintain a minimum freeboard of 5 feet in the Tailings Cell 2 and a minimum freeboard of 6 feet in Evaporation Cell 1 - Initial.

d. Conduct and document a daily inspection of the embankments and the exposed protective soil cover over the liner and make repairs if any erosion occurs.

e. Insure that programs for inspection and monitoring of dam safety and water quality are conducted and evaluated by an experienced professional engineer. The responsible engineer should insure that all field inspectors are able to recognize signs of possible distress or abnormalities. A summary report of the results of the regular scheduled surveillance and inspections shall be submitted annually to the Uranium Recovery Licensing Branch, USNRC, Washington, D.C., in a report bearing the seal of the professional engineer.

All other conditions of this license shall remain the same.

In addition, at the time of submittal of the construction report for the final substage of construction of the Initial Construction Phase, please provide specific plans for meeting the guidelines of Regulatory Guide 3.11.1 entitled "Operational Inspection and Surveillance of Embankment Retention Systems for Uranium Mill Tailings."

The above conditions were discussed and agreed to in a October 10, 1979 telephone conversation between your Mr. M. Vincelette and Mr. E. Trager of my staff.

FOR THE NUCLEAR REGULATORY COMMISSION

Ross A. Scarano, Chief
Uranium Recovery Licensing Branch
Division of Waste Management

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

FEB 10 1982

XC (GWG/File)
MDW
DRS
GSR
(Admin SML, RECEIVED FEB 10 1982)

WMUR:DMG
Docket No. 40-8681
SUA-1358, Amendment No. 10

Energy Fuels Nuclear, Inc.
ATTN: Mr. C.E. Baker
Licensing and Safety Director
Three Park Central, Suite 900
1515 Arapahoe
Denver, Colorado 80202

Gentlemen:

Pursuant to Title 10, Code of Federal Regulations, Part 40, and in accordance with your submittal dated May 20, 1981, Source Material License No. SUA-1358 is hereby amended by revising License Conditions 25 and 26 to read as follows:

25. The licensee shall construct, operate, and maintain the embankments and liner system for the Initial Phase and Second Phase (Cell 1 - Initial, Cell 2, Cell 3, Cell 4 Dike) in accordance with the statements, conditions and recommendations in the following documents:

    a. "Engineers Report, Tailings Management System, White Mesa Project, Blanding, Utah" prepared by D'Appolonia Consulting Engineers, Inc. for Energy Fuels Nuclear, Inc., forwarded by letter dated June 19, 1979.

    b. "Guideline Specifications for Earthwork, Liner Material, Liner Installation, Inspection and Maintenance, Tailings Management System, White Mesa Project, Blanding, Utah," forwarded by letter dated September 11, 1979.

    c. "Addendum to Guideline Specifications, Initial Phase Construction, Tailings Management System, White Mesa Project, Blanding, Utah", forwarded by letter dated September 14, 1979.

    d. "Response to Dam Safety Questions, NRC Consultants Review, White Mesa Project, Blanding, Utah," forwarded by letter dated September 28, 1979.

e. "Addendum 2 to Guideline Specifications, Initial Phase Construction, Tailings Management System, White Mesa Project, Blanding, Utah" forwarded by letter dated October 10, 1979.

f. "Second Phase Design - Cell 3, Tailings Management System, White Mesa Uranium Project, Blanding, Utah" prepared by D'Appolonia Consulting Engineers, Inc. for Energy Fuels Nuclear, Inc. forwarded by letter dated May 20, 1981.

g. Letter dated September 25, 1981 from Energy Fuels Nuclear, Inc. to Uranium Recovery Licensing Branch, U.S.NRC (Response to NRC Questions - Second Phase, Tailings Management System).

In addition, the licensee shall not make any changes in the Initial and Second Phases of the tailings retention system without specific prior approval of the NRC obtained through application for amendment to this license. Also, construction of any of the embankments and/or liner systems beyond those included in the Initial and Second Phases shall not begin until the system design has been reviewed and approved by the NRC, and NRC approval has been incorporated into this license by amendment.

26. The licensee shall comply with the following regarding construction, operation, and maintenance of the tailings retention system:

a. For every phase, notify Region IV, USNRC, Office of Inspection and Enforcement, Arlington, Texas and the Uranium Recovery Licensing Branch, USNRC, Washington, D.C. at least three weeks prior to the following construction features to provide adequate time for on-site inspections by the NRC:

i. When foundation excavation is near completion and prior to placement of embankment fill.

ii. During embankment fill placement at approximately 10 percent and 70 percent stages of completion.

iii. When cell excavation is near completion and prior to placement of the liner system.

iv. At an intermediate stage during the liner construction to allow time for inspection of both the compacted bedding layer and liner seaming operations.

b. Submit to the Uranium Recovery Licensing Branch, USNRC, Washington, D.C., within six months after completion of each phase of the tailings retention system, as-built drawings showing construction details of the foundations, embankments and liner systems and subsoil profile (including topography and a mapping of soil types) prior to embankment construction and liner installation and a construction report summarizing the following:

i. Earthwork and liner quality control test results.

ii. Classification of all soils used in the embankment.

iii. Construction equipment and procedures.

iv. Unexpected conditions and problems encountered in construction, and methods employed to resolve these problems.

c. Maintain a minimum freeboard of 5 feet in Tailings Cells 2 and 3, and a minimum freeboard of 6 feet in Evaporation Cell 1 - Initial.

d. Conduct and document a daily inspection of the embankments and the exposed protective soil cover over the liner and make repairs if any erosion occurs.

e. Insure that programs for inspection and monitoring of dam safety are conducted and evaluated by an experienced professional engineer. The responsible engineer should insure that all field inspectors are able to recognize signs of possible distress or abnormalities. A summary report of the results of the regular scheduled surveillance and inspections shall be submitted annually to the Uranium Recovery Licensing Branch, USNRC, Washington, D.C., in a report bearing the seal of the professional engineer.

f. Notwithstanding any conflicting information in the submittals referenced in items "f" and "g" of License Condition 25, the licensee shall comply with the following regarding the placement of groundwater monitoring wells:

   i. The licensee shall not be required to install the proposed monitoring wells 11, 12, and 13.

   ii. The licensee shall install and operate two additional deep monitoring wells to a depth sufficient to obtain samples from the top of the unconfined groundwater aquifer. One well shall be located near each end of the Cell 3 downstream dike.

All other conditions of this license shall remain the same.

The above license condition revisions have been discussed between Mr. C.E. Baker of Energy Fuels Nuclear (EFN) and Mr. D. Gillen of my staff in a February 9, 1982 telephone conversation. The effect of this amendment is to authorize EFN to construct and operate the Second Phase of the tailings retention system, i.e. Cell 3 and the Cell 4 Dike.

FOR THE NUCLEAR REGULATORY COMMISSION

Ross A. Scarano, Chief
Uranium Recovery Licensing Branch
Division of Waste Management

2.0 ENGINEERING DATA

A copy of all engineering data related to the design, construction, and operation of the tailings management system will be assembled at one location on site. These documents will include:

- "Engineer's Report, Tailings Management System, White Mesa Uranium Project, Blanding, Utah", prepared for Energy Fuels Nuclear, Inc. by D'Appolonia Consulting Engineers, Inc., dated June 1979.
- "Addendum to Engineer's Report, Tailings Management System, White Mesa Uranium Project", letter to H.R. Roberts, Energy Fuels Nuclear, Inc., from D'Appolonia Consulting Engineers, Inc., dated July 19, 1979.
- "Addendum to Construction Specifications, Tailings Management System, White Mesa Uranium Project", letter to H.R. Roberts, Energy Fuels Nuclear, Inc., from D'Appolonia Consulting Engineers, Inc., dated September 27, 1979.
- Transmittal of Addendum 2 to Guideline Specifications, letter to E.A. Trager, U.S. Nuclear Regulatory Commission, from C.E. Baker of Energy Fuels Nuclear, Inc., dated October 10, 1979.
- "Construction Report, Initial Phase - Tailings Management System, White Mesa Uranium Project, Blanding, Utah" prepared for Energy Fuels Nuclear, Inc., by D'Appolonia Consulting Engineers, Inc., dated February 1982.
- "Letter Report, Ground Water Monitoring Program, Pre-Operational and Operational Programs - Initial Phase, Tailings Management System", prepared for Energy Fuels Nuclear, Inc., by D'Appolonia Consulting Engineers, Inc., dated February 1982.
- "Letter Report, Leak Detection System Evalution, White Mesa Uranium Project, Blanding, Utah", prepared for Energy Fuels Nuclear, Inc., by D'Appolonia Consulting Engineers, Inc., dated December 1981.

UNITED STATES

NUCLEAR REGULATORY COMMISSION

REGION IV

URANIUM RECOVERY FIELD OFFICE
BOX 25325
DENVER, COLORADO 80225

XC Letter Only
EWS GGR
WWB KHC
MDV
XC Both
JSH SLS
RKS GFR
Central File

MAR 1 1990

URFO:DLJ
Docket No. 40-8681
SUA-1358, Amendment No. 20
04008681210R

Rcvd
3-5-90

Umetco Minerals Corporation
ATTN: Don Sparling, Plant Superintendent
White Mesa Uranium Mill
P.O. Box 669
Blanding, Utah 84511

Dear Mr. Sparling:

Our office is in receipt of your amendment request dated February 8, 1989, to construct Cell 4A. Based on the supporting information submitted on February 24, April 10, May 12, August 23, September 6 and 29, November 8, 1989, and January 10, 1990, we have concluded that the plan is acceptable. Accordingly, we are revising your license to authorize construction and operation of Cell 4A. Additionally, maximum water surface elevations have been established for Cells 1-I, 3, and 4A.

Pursuant to Title 10, Code of Federal Regulations, Part 40, Source Material License SUA-1358 is hereby amended by modifying License Condition No. 51 to read as follows:

51. The licensee is authorized to construct Cell 4A in accordance with the plans and specifications contained in the licensee's February 8, 1989, submittal as revised by the January 10, 1990, submittal. Additionally, the following conditions will also apply.

    A. Effective with issuance of Amendment No. 20 and until April 30, 1990, the maximum operating elevation in Cell No. 1-I shall not exceed 5616.1 feet. Beginning on May 1, 1990, the maximum operating elevation in Cell No. 1-I shall not exceed 5615.4 feet, which will provide 2.8 feet of freeboard.

    B. Effective with issuance of Amendment No. 20 and until April 30, 1990, the maximum operating elevation in Cell No. 3 shall not exceed 5605.4 feet. Beginning on May 1, 1990, the maximum operating elevation in Cell No. 3 shall not exceed 5603.0 feet which will provide 5.0 feet of freeboard. When the volume of tailings approaches 600,000 tons, considering all tailings placed since October 23, 1989, the licensee shall revise the maximum operating elevation for Cell No. 3 in accordance with

the procedures specified in their January 10, 1990, submittal. The revised elevation shall be submitted for NRC review and approval in the form of a license amendment request. The amendment request shall be submitted to NRC by the time the total tonnage of dry tailings reaches the 600,000 ton limit.

C. The maximum operating elevation for Cell 4A shall not exceed 5596.4 feet, which will provide 1.6 feet of freeboard.

D. Ditches 1, 2, and 3 shall be constructed as shown and described in the licensee's January 10, 1990, submittal. The construction shall be completed by March 31, 1990.

E. The crest of the dike in Drainage Basin B1 shall be raised to elevation 5648.5 feet by March 31, 1990.

F. Cell No. 2 will be maintained in a dry condition until a lined spillway is constructed to allow excess liquids to flow into Cell No. 3. Before construction is initiated, the licensee shall submit detailed plans and provide assurance that the spillway and liner will remain stable during a design basis flood event. This detailed design shall be submitted to NRC at least 60 days prior to initiation of construction. After the spillway is constructed, storage of liquids and tailings will be allowed in Cell No. 2.

All other conditions of the license shall remain the same. The License is being reissued in order to incorporate the modified condition.

This amendment was discussed and agreed to by J. Hamrick of your organization and D. L. Jacoby of my staff on February 27, 1990.

Sincerely,

Ramon E. Hall
Director

Enclosure:
Source Material License SUA-1358

Case Closed: 04008681210R

State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

Richard W. Sprott
Executive Director

DIVISION OF RADIATION CONTROL
Dane L. Finerfrock
Director

September 17, 2008

Mr. Ron Hochstein, President
Denison Mines (USA) Corp. (DUSA)
1050 17th Street, Ste. 950
Denver, CO 80225

Dear Mr. Hochstein:

SUBJECT: September 16, 2008 DUSA Email Conveying Proposed Revisions to the *Cell 4A BAT Monitoring, Operations and Maintenance Plan* (O&M Plan); September 16, 2008 DRC Email with Comments on the O&M Plan; September 12, 2008 DUSA Email conveying Proposed Revisions to the *White Mesa Mill Tailings Management System; and Discharge Minimization Technology (DMT) Monitoring Plan* (DMT Plan) and the O&M Plan; **O&M and DMT Plan Approval, and Authorization to Operate Tailings Cell 4A**

We have received and reviewed the subject submittals. The September 16, 2008 DUSA submittal conveyed the "09/08 Revision Denison 1.3" of the O&M Plan for Cell 4A without figure attachments. The September 12, 2008 DUSA submittal conveyed "09/08 Revision: Denison-6" of the DMT Plan and an earlier "09/08 Revision Denison 1.2" version of the O&M Plan with all attachments. We have compared these submittals to our comment email dated September 16, 2008, and to our previous comment letter dated September 10, 2008. Therefore, we **hereby approve** these versions of the Cell 4A O&M Plan and the DMT Plan with the September 12, 2008 attachments, copies of these documents are attached herewith.

The items in our letter of July 29, 2008 regarding major items needing resolution prior to beginning the operation of the cell now appear to be completed, therefore we **hereby authorize DUSA to operate** reconstructed Cell 4A.

UTAH RADIATION CONTROL BOARD

D L Finerfrock

Dane L. Finerfrock
Executive Secretary

DLF:LBM:DAR:dr

Attachments

cc: Mr. Harold Roberts, Executive V.P., DUSA

F:\DUSA\Cell 4A\Op Approval\Monitoring, O&M Plan\Plan Approvals & Auth to Operate 09-08

Attachment E

TETRA TECH

3801 Automation Way Suite 100
Fort Collins CO 80525
Tel 970.223.9600 Fax 970.223.7171
www.tetratech.com

Technical Memorandum

To:	Mr. Harold R. Roberts	**From:**	Heather Trantham, Ph.D., P.E. Senior Staff Geotechnical Engineer
Company:	Denison Mines (USA) Corp 1050 Seventeenth Street, Suite 950 Denver, CO 80265	**Date:**	February 3, 2010
Reviewed by:	Thomas A. Chapel Principal Geotechnical Engineer		
Re:	White Mesa Uranium Facility Seismic Study update for a Proposed Cell Blanding, Utah	**Project #:**	114-182018

REGISTERED PROFESSIONAL ENGINEER
No. 6232722-2202
THOMAS A. CHAPEL
2/4/2010
STATE OF UTAH

Introduction

Denison Mines (USA) Corp is proposing to add a new uranium containment cell to the facility at Blanding, Utah. This document was prepared to address seismic concerns brought forth in comments by the UDRC as documented in the second round of Interrogatories. This seismic hazard analysis has been prepared as an update to the previous seismic study performed for the site by Tetra Tech (formerly MFG, 2006).

Project Location

The project is located near Blanding, Utah. For the purposes of these analyses, the latitude and longitude of 37.5°N and 109.5°W, respectively, were used.

Previous Work

Seismicity of the White Mesa site has been investigated in two previous reports. The original design report for Cell 4 was prepared in 1988 by UMETCO. The geologic conditions and the

potential seismic hazards were characterized in that report. The specified hazards include minor random earth quakes not associated with a

known seismic structure, and an unnamed fault located 57 km north of the project site (north of Monticello), with a fault length well defined for 3 km, and possibly as long as 11 km. The fault is a suspected Quarternary fault, but does not have strong evidence for Quaternary movement. The maximum credible earthquake (MCE) associated with this fault was estimated to have a magnitude of 6.4 based on relationships developed by Slemmons in 1977. Ground motions at the project site were estimated using attenuation curves established in 1982 by Seed and Idriss. Peak horizontal accelerations at the site from the fault were estimated to be 0.07 g.

In 2006 an additional seismic study was prepared to recommend a design peak ground acceleration (PGA) to use during the operational period for the design of Cell 4A at the site. A search performed as part of that study found one additional suspected Quaternary fault in the USGS (2006) Quaternary Fault and Fold Database. The search was performed for a region within 50 km of the site. The database lists the Shay graben fault as a Class B (suspected) Quaternary fault. In the report updated attenuation relationships were used to estimate ground motions and then compared: Abrahamson and Silva (1997), Spudich et al. (1999), and Campbell and Bozorgnia (2003). The design Peak Ground Acceleration (PGA) for Cell 4 was determined to be 0.09 g based on the 2002 USGS National Seismic Hazard Maps (NSHM) with a 2 percent probability of exceedance in 50 years. The report concluded that the seismic loading of 0.1g used in the analysis of Cell 4A associated with a 2 percent probability of exceedance within 50 years was appropriate for the operational life of the disposal cell.

The following sections address requests sent to Denson Mines (USA) Corp in an email from URS dated January 20, 2010. In addition to the information presented below, the information by Brumbaugh (2005) that was referenced in the email was also reviewed.

Regional Physiographic and Tectonic Setting

The site is located within the Colorado Plateau physiographic province in southeastern Utah. The Colorado Plateau is a broad, roughly circular region of relative structural stability within a more structurally active region of disturbed mountain systems. Broad basins and uplifts, monoclines, and belts of anticlines and synclines are characteristic of the plateau (Kelley, 1979).

The White Mesa site is located near the western edge of the Blanding Basin, east of the north-south trending Monument Uplift, south of the Abajo Mountains. It is also adjacent to the northwest trending Paradox Fold.

The contemporary seismicity of the Colorado Plateau was investigated by Wong and Humphrey (1989) based on seismic monitoring. Their study characterized the seismicity of the plateau as being of small to moderate magnitude, of a low to moderate rate of occurrence with earthquakes widely distributed. Seismicity in the plateau appears to be the result of the reactivation of preexisting faults not expressed at the surface but favorable oriented to the tectonic stress field. Very few earth quakes can be associated with known geologic structures or tectonic features in the plateau. The generally small size of the earthquakes and their widespread distribution is consistent with a highly faulted Precambrian basement and upper crust, and a moderate level of differential tectonic stresses. Earthquakes in the plateau generally occur within the upper 15 to 20 km of the

upper crust (Smith, 1978, Wong and Chapman, 1986) although events have occurred as deep as 58 km (Wong and Humphrey, 1989). The predominant mode of tectonic deformation within the plateau appears to be normal faulting on the northwest- to north-northwest-striking faults, with some localized occurrences of strike-slip displacement on the northwest- or northeast-striking planes at shallow depths. The contemporary state of stress within the plateau is characterized by approximately northeast-trending extension (Wong and Humphrey, 1989).

Seismicity

Earthquake Catalogs

The seismic hazard analysis for the site included a review of historic earthquakes which have occurred within 200 miles of the site. A radius of 200 miles is recommended by the Senior Seismic Hazard Analysis Committee (SSHAC, 1997) and the NRC (2007). The NEIC database was used and includes all recorded seismic events over a period from 1850 through January 2010. The database search was performed to incorporate the most recent seismic events in the region and to verify that estimated ground accelerations from all known events are below the design peak acceleration recommended in this report.

The largest event is estimated in the NOAA catalog to have an Mw of 5.8. This event occurred near Smithfield, Utah on August 30, 1962. The epicenter is approximately 200 miles northwest of the site.

The event closest to the site had an epicenter about 40 miles northwest of the site. This earthquake, which occurred on February 23, 1968 had an Mw of 2.8.

The list of earthquakes as described above is included in Appendix 1. The peak ground accelerations for the five most significant earthquakes on the list were calculated and are discussed below.

Seismic Hazard Analysis

Seismic hazard analyses are typically conducted using one of two methods: (1) deterministic analysis or (2) probabilistic analysis (SSHAC, 1997). In the deterministic analyses, the ground motions from the maximum credible earthquake (MCE) associated with capable faults are attenuated to the site. The ground motions from the MCE associated with the fault are attenuated to the site using established attenuation equations. Deterministic analysis was used in this seismic update and is described in the next section.

In probabilistic analyses, ground motions and the associated probability of exceedance are estimated in order for the amount of risk associated with the design ground motion to be evaluated. As specified by the U.S. Environmental Protection Agency (EPA) Promulgated Standards for Remedial Actions at Inactive Uranium Processing Sites (40 CFR 192), the controls of residual radioactive material are to be effective for up to 1,000 years, to the extent reasonably achievable and, in any case, for at least 200 years. For the purpose of the seismic hazard evaluation, a 10,000-year return period is adopted for evaluating long-term stability of the facility. The probability that the 10,000-year event will be exceeded within a 200- to 1,000-year design life is between 2

and 10 percent. This is consistent with the International Building Code (IBC, 2006) which specifies designing for ground motions associated with a 2 percent probability of exceedance in a 50-year design life, or a return period of approximately 2,500 years. Similarly, a 2,500-year return period is appropriate during operational conditions considering a design life of 50 years.

The probability of exceedance can be represented by the following equation:

$$PE = 1 - e^{-(n/T)}$$

where PE is the probability of exceedance, n is the time period in years, and T is the return period in years.

Using the most recent USGS National Seismic Hazard Maps (NSHM, 2008), with a 10,000 year return period, and the probability of exceedance of 2% for a 200-year design life, the PGA for the site was determined to be 0.15 g. The shear wave velocity (v_s) used for the deaggragation calculation 586 m/s which corresponds to 1923 ft/s. Site Class Definitions are listed for the top 100 feet of the soil profile in Table 1613.5.2 of the International Building Code (IBC, 2006). For soils having a Standard Penetration Resistance (N-value) between 15 and 50, the shear wave velocity ranges between 600 and 1,200 ft/s. In conjunction with previous work at the site, Tetra Tech (formerly MFG) drilled a borehole at the site on June 15, 2006. The Standard Penetration values from borehole MFG-1 range from N=33 to N=50/5". The shear wave velocity chosen for the top 31' was 200 m/s (656 ft/s). For the remaining 69', a shear wave velocity of 760 m/s (2493 ft/s) corresponding to sandstone was chosen. The weighted average of the shear wave velocity for the top 100 ft was 586 m/s (1923 ft/s). The borehole log for MFG-1 is presented in Appendix 2. The data from USGS National Seismic Hazards Mapping Project, 2008 Version PSHA Deaggregation are presented in Appendix 3.

Earthquakes occur that are not associated with a known structure. These events are termed background events, or floating earthquakes. Evaluation of the background event allows for potential low to moderate earthquakes not associated with tectonic structures to contribute to the seismic hazard of the site. The maximum magnitude for these background events within the Intermountain U.S. ranges between local magnitude (M_L) 6.0 and 6.5 (Woodward-Clyde, 1996). Larger earthquakes would be expected to leave a detectable surface expression, especially in arid to semiarid climates, with slow erosion rates and limited vegetation. In seismically less active areas such as the Colorado Plateau, the maximum magnitude associated with a background event is assumed to be 6.3, consistent with that used in seismic evaluations performed for uranium tailing sites in Green River (DOE 1991a, pg. 26), and Grand Junction (DOE 1991b, pg. 71). A study by Wong et al (1996) also evaluated the recurrence of background events within the Colorado Plateau. Wong et al. (1996) suggests that the maximum background earthquakes as large as M_W could occur, although they are unlikely. In this update, an arbitrary event (Mw = 6.3, radial distance = 15 km) was analyzed using the most recent Campbell and Bozorgnia (2007) attenuation relationship. Results are described in the following section

Attenuation Relationships

In the previous study (MFG, 2006) three attenuation relationships to estimate the peak ground motion at the White Mesa site were used: Abrahamson and Silva (1997), Spudich et al. (1999),

and Campbell and Bozorgnia (2003). Since this report, Campbell and Bozorgnia have updated their 2003 model into a Next Generation Attenuation (NGA) Project (2007). The NGA model included the input of several other modelers and is considered an update to Abrahamson and Silva (1997), Boore, et al. (1997), Sadigh, et al. (1997), Idriss (1993 and 1996), and (Campbell and Bozorgnia (2006). The faults chosen for the analysis include the unnamed fault north of Monticello that was the basis of the design acceleration in the 1988 report, and the Shay graben faults (USGS 2006) a Class B (suspected) Quaternary fault that was included in the 2006 report. Additionally the earthquakes in the earthquake catalog created for the site were considered. The earthquakes that were considered have a calculated magnitude. The calculation of the magnitude of these earthquakes was not performed as part of this study. The accelerations felt at the White Mesa site due to these recorded events are listed in Table 1 for the 5 most relevant events. For comparison, an arbitrary event occurring 15 km from the site with a magnitude of 6.3 is used to account for the floating earthquake at the White Mesa site. The results for attenuation relations as calculated using Campbell and Bozorgnia NGA (2007) plus one standard deviation are reported are presented in Table 1. Spreadsheets detailing the calculations are included in Appendix 4.

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Table1. Peak Ground Accelerations for White Mesa

Name	Fault Length (km)	Fault Type(1)	Site Class(2)	Distance from Site (km)	MCE(3)	PGA(4)
Unnamed fault north of Monticello (possible extension of Shays graben) defined length	3.0	N	R	57.4	5.49	0.038
Unnamed fault north of Monticello (possible extension of Shays graben) total possible length	11.0	N	R	57.4	6.23	0.063
Unnamed fault north of Monticello (possible extension of Shays graben) ½ total rupture	5.5	N	R	57.4	5.84	0.049
Shay graben faults (Class B)	40.0	N	R	44.6	6.97	0.090
Earthquake on 2/21/54 from EPB catalog	-	-	-	70	4.7	0.012
Earthquake on 1/30/89 from PDE catalog	-	-	-	147	5.4	0.011
Earthquake on 2/3/95 from PDE catalog	-	-	-	139	5.3	0.011
Earthquake on 10/11/77 from PDE catalog	-	-	-	74	4.7	0.011
Earthquake on 10/11/60 from SRA catalog	-	-	-	189	5.5	0.01
Floating Earthquake	-	-	-	15	6.3	0.243

(1) Fault Type: N= Normal
(2) Site Class: R = Rock or shallow soils
(3) Wells and Coppersmith, 1994
(4) Campbell and Bozorgnia NGA, 2007

Conclusion

Using the most recent USGS National Seismic Hazard Maps (NSHM, 2008), with a 10,000 year return period, and the probability of exceedance of 2% for a 200-year design life, the PGA for the site was determined to be 0.15 g. Based on the most current USGS Geological Survey Earthquake Hazards Program National Maps (2008), and using the attenuation relationship of Campbell and Bozorgnia (2007), this PGA of 0.15 g is reasonable for the White Mesa site. This maximum PGA is a peak value. For a pseudo-static analysis, and in accordance with IBC 2006, the PGA should be multiplied by 0.667 to determine a design acceleration value. Therefore the design acceleration value for the White Mesa site is calculated to be 0.1. This value is consistent with the previous design value that was computed in the previous analysis for the site.

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APPENDIX 1: EARTHQUAKE EVENTS WITHIN 200 MILES OF THE WHITE MESA SITE

Appendix 1: Earthquake Events within 200 miles of the White Mesa Site

Source: NEIC Database

Magnitude	Year	Month	Day	Latitude (degree, North)	Longitude (degree, West)	Magnitude	Radial Distance (km)	Catalog
NOAA	1962	8	30	41.8	-111.8	5.8	320	0.007
SRA	1973	5	17	39.79	-108.37	5.7	272	0.008
PDE	1973	5	17	39.79	-108.37	5.7	180	0.012 (man made)
SRA	1959	7	21	36.8	-112.37	5.6	266	0.007
EPB	1962	8	30	41.8	-111.8	5.6	320	0.006
USHIS	1959	7	21	36.8	-112.37	5.6	266	0.007
SRA	1960	10	11	38.3	-107.6	5.5	189	0.01
USHIS	1960	10	11	38.3	-107.6	5.5	189	0.01
USHIS	1967	10	4	38.54	-112.16	5.5	260	0.007
PDE	1989	1	30	38.82	-111.61	5.4	147	0.011
PDE	1988	8	14	39.13	-110.87	5.3	141	0.01
PDE	1995	2	3	41.53	-109.64	5.3	139	0.011
EPB	1894	7	18	41.2	-112	5.3	284	0.004
USHIS	1988	8	14	39.128	-110.869	5.3	216	0.006
USHIS	1989	1	30	38.824	-111.614	5.3	236	0.006
SRA	1921	9	29	38.7	-112.1	5.2	263	0.004
SRA	1967	10	4	38.54	-112.16	5.2	260	0.004
EPB	1950	1	18	40.5	-110.5	5.2	140	0.009
USHIS	1921	9	29	38.7	-112.1	5.2	263	0.004
SRA	1966	1	23	36.98	-107.02	5.1	227	0.004
PDE	1977	9	30	40.52	-110.44	5.1	279	0.003
EPB	1962	9	5	40.7	-112	5.1	251	
SRA	1959	10	13	35.5	-111.5	5	285	
EPB	1884	11	9	41.5	-111.2	5	264	
EPB	1910	5	22	40.8	-112	5	257	
EPB	1915	7	15	40.3	-111.7	5	207	
EPB	1943	2	22	41	-111.5	5	238	
EPB	1950	2	25	40	-112	5	221	
EPB	1953	5	23	40.5	-111.5	5	203	
EPB	1958	2	13	40.5	-111.5	5	203	
USHIS	1959	10	13	35.5	-111.5	5	285	
USHIS	1963	7	7	39.53	-111.91	4.9	307	
USHIS	1966	1	23	36.98	-107.02	4.9	227	
SRA	1962	2	5	38.2	-107.6	4.7	184	

PDE	1977	10	11	40.49	-110.49	4.7	74	0.011
PDE	2003	4	17	39.52	-111.86	4.7	281	
EPB	1954	2	21	40	-109	4.7	70	0.012
EPB	1958	12	1	40.5	-112.5	4.7	279	
USHIS	1962	2	5	38.2	-107.6	4.7	184	
SRA	1976	1	5	35.84	-108.34	4.6	211	
PDE	1994	9	13	38.15	-107.98	4.6	140	
EPB	1949	3	7	40.8	-111.9	4.6	250	
USHIS	1976	1	5	35.817	-108.212	4.6	219	
SRA	1962	2	15	36.9	-112.4	4.5	265	
SRA	1962	6	5	38	-112.1	4.5	235	
PDE	1983	10	8	40.75	-111.99	4.5	177	
PDE	1998	1	2	38.21	-112.47	4.5	279	
EPB	1950	1	2	41.5	-112	4.5	306	
EPB	1956	10	3	41.5	-110.1	4.5	227	
EPB	1958	1	5	41	-112.5	4.5	304	
USHIS	1962	2	15	36.9	-112.4	4.5	265	
USHIS	1962	6	5	38	-112.1	4.5	235	
SRA	1962	1	13	38.4	-107.8	4.4	179	
SRA	1962	2	15	37	-112.9	4.4	306	
SRA	1963	7	7	39.53	-111.91	4.4	307	
SRA	1972	1	3	38.65	-112.17	4.4	266	
SRA	1986	3	24	39.234	-112.062	4.4	295	
PDE	1986	3	24	39.24	-112.01	4.4	275	
PDE	1992	6	24	38.78	-111.55	4.4	140	
PDE	2000	1	30	41.46	-109.68	4.4	263	
EPB	1957	10	26	40	-111	4.4	139	
USHIS	1972	1	3	38.65	-112.17	4.4	266	
USHIS	1986	3	24	39.236	-112.009	4.4	291	
USHIS	1988	8	18	39.132	-110.867	4.4	216	
SRA	1963	9	30	38.1	-111.22	4.3	165	
PDE	1994	9	6	38.08	-112.33	4.3	140	
PDE	1999	4	6	41.45	-107.74	4.3	262	
PDE	2000	5	27	38.34	-108.86	4.3	185	
PDE	2001	7	19	38.73	-111.52	4.3	142	
PDE	2002	1	31	40.29	-107.69	4.3	191	
EPB	1880	9	16	40.8	-112	4.3	257	
EPB	1899	12	13	41	-112	4.3	270	
EPB	1906	5	24	41.2	-112	4.3	284	
EPB	1910	7	26	41.5	-109.3	4.3	222	
EPB	1915	8	11	40.5	-112.7	4.3	294	
EPB	1916	2	4	40	-111.7	4.3	196	
EPB	1920	9	18	41.5	-112	4.3	306	
EPB	1950	5	8	40	-111.4	4.3	171	

EPB	1952	9	28	40.2	-111.5	4.3	187	
EPB	1955	2	2	40.8	-111.9	4.3	250	
EPB	1955	2	10	40.5	-107	4.3	240	
EPB	1955	5	12	41	-112	4.3	270	
EPB	1957	7	18	40	-110.5	4.3	102	
EPB	1962	9	4	41.7	-111.8	4.3	312	
EPB	1966	3	17	41.7	-111.5	4.3	297	
EPB	1967	2	14	40.1	-109	4.3	79	
EPB	1967	9	23	40.7	-112.1	4.3	258	
SRA	1966	5	8	37	-106.9	4.2	237	
SRA	1967	9	4	36.15	-111.6	4.2	239	
SRA	1977	3	5	35.91	-108.29	4.2	206	
PDE	1973	7	16	39.15	-111.51	4.2	244	
PDE	1980	5	24	39.94	-111.97	4.2	265	
PDE	1989	2	27	38.83	-111.62	4.2	275	
PDE	1992	3	16	40.47	-112.04	4.2	186	
PDE	1996	1	6	39.12	-110.88	4.2	145	
PDE	1998	6	18	37.97	-112.49	4.2	272	
PDE	1999	10	22	38.08	-112.73	4.2	263	
PDE	2000	3	7	39.75	-110.84	4.2	263	
USHIS	1977	3	5	35.748	-108.222	4.2	225	
SRA	1966	5	20	37.98	-111.85	4.1	213	
SRA	1973	12	24	35.26	-107.74	4.1	294	
PDE	1983	9	24	40.79	-108.84	4.1	291	
PDE	1995	3	20	40.18	-108.93	4.1	140	
PDE	2001	2	23	38.73	-112.56	4.1	309	
PDE	2004	11	7	38.24	-108.92	4.1	281	
USHIS	1973	12	24	35.26	-107.74	4.1	294	
SRA	1963	7	9	40.03	-111.19	4	316	
SRA	1967	2	15	40.11	-109.05	4	292	
SRA	1971	11	12	38.91	-108.68	4	172	
SRA	1972	6	2	38.67	-112.07	4	260	
SRA	1982	5	24	38.71	-112.04	4	259	
SRA	1986	8	22	37.42	-110.574	4	95	
PDE	1982	5	24	38.71	-112.04	4	273	
PDE	1986	8	22	37.42	-110.57	4	281	
PDE	1987	12	16	39.29	-111.23	4	247	
PDE	1992	7	5	39.32	-111.13	4	154	
PDE	1998	1	30	37.97	-112.55	4	319	
PDE	2001	8	9	39.66	-107.38	4	289	
EPB	1960	7	9	41.5	-112	4	306	
USHIS	1982	5	24	38.71	-112.04	4	259	
SRA	1967	8	7	36.4	-112.6	3.9	301	

SRA	1968	1	16	39.27	-112.04	3.9	296	
SRA	1970	4	21	40.1	-108.9	3.9	293	
SRA	1970	5	23	38.06	-112.47	3.9	268	
USHIS	1986	3	25	39.223	-112.011	3.9	290	
SRA	1971	1	7	39.49	-107.31	3.8	291	
SRA	1979	4	30	37.88	-111.02	3.8	140	
SRA	1963	6	19	38.02	-112.53	3.7	273	
SRA	1963	7	10	40.02	-111.25	3.7	318	
SRA	1966	7	6	40.09	-108.95	3.7	291	
SRA	1970	4	18	37.87	-111.72	3.7	199	
SRA	1971	7	10	40.24	-109.6	3.7	304	
SRA	1971	11	10	37.8	-113.1	3.7	319	
SRA	1975	1	30	39.27	-108.65	3.7	209	
SRA	1984	8	16	39.392	-111.936	3.7	298	
SRA	1967	7	22	38.8	-112.22	3.6	278	
SRA	1968	9	24	38.04	-112.08	3.6	234	
SRA	1969	4	10	38.66	-112.07	3.6	259	
SRA	1972	11	16	37.53	-112.77	3.6	288	
SRA	1983	12	9	38.577	-112.565	3.6	294	
SRA	1965	6	7	36	-112.2	3.5	292	
SRA	1966	4	23	39.1	-111.55	3.5	252	
SRA	1966	5	8	36.9	-107	3.5	231	
SRA	1968	11	17	39.52	-110.97	3.5	258	
SRA	1974	11	4	38.34	-112.24	3.5	258	
SRA	1976	4	19	35.39	-109.1	3.5	236	
SRA	1978	2	24	38.33	-112.84	3.5	307	
SRA	1979	1	12	37.73	-113.13	3.5	321	
SRA	1979	10	23	37.89	-110.93	3.5	133	
SRA	1981	5	14	39.48	-111.08	3.5	259	
SRA	1984	3	21	39.344	-111.109	3.5	248	
SRA	1962	12	11	39.36	-110.42	3.4	221	
SRA	1963	4	15	39.59	-110.35	3.4	243	
SRA	1966	6	1	36.9	-107	3.4	231	
SRA	1981	1	16	37.45	-113.11	3.4	319	
SRA	1983	8	14	38.359	-107.402	3.4	207	
SRA	1963	4	24	39.44	-110.33	3.3	227	
SRA	1963	8	16	39.48	-111.99	3.3	308	
SRA	1964	1	17	38.19	-112.62	3.3	284	
SRA	1965	1	14	39.44	-110.35	3.3	227	
SRA	1966	12	19	39	-106.5	3.3	310	
SRA	1968	6	2	39.21	-110.45	3.3	207	
SRA	1969	5	23	39.02	-111.97	3.3	274	
SRA	1978	12	9	38.66	-112.53	3.3	295	
SRA	1978	12	9	38.65	-112.52	3.3	293	
SRA	1981	1	16	37.45	-113.1	3.3	318	
SRA	1981	8	8	38.05	-112.8	3.3	296	
SRA	1982	3	5	37.37	-112.61	3.3	275	
SRA	1983	1	27	37.778	-110.674	3.3	108	
SRA	1983	8	31	36.135	-112.037	3.3	272	
SRA	1985	4	14	35.174	-109.071	3.3	260	
SRA	1986	10	5	38.631	-112.558	3.3	296	
SRA	1962	8	19	38.05	-112.09	3.2	236	
SRA	1963	11	13	38.3	-112.66	3.2	291	

SRA	1965	1	30	37.54	-113.12	3.2	319	
SRA	1965	6	29	39.5	-110.39	3.2	235	
SRA	1966	4	14	37	-107	3.2	228	
SRA	1967	10	25	39.47	-110.35	3.2	230	
SRA	1973	2	9	36.43	-110.425	3.2	144	
SRA	1974	4	29	37.81	-112.98	3.2	308	
SRA	1977	2	9	39.29	-111.11	3.2	243	
SRA	1977	6	3	39.65	-110.51	3.2	254	
SRA	1979	10	6	39.29	-111.69	3.2	275	
SRA	1980	12	21	37.53	-113.04	3.2	312	
SRA	1981	9	21	39.59	-110.42	3.2	245	
SRA	1982	2	12	37.41	-112.57	3.2	271	
SRA	1984	5	14	39.322	-107.228	3.2	283	
SRA	1986	5	14	37.294	-110.319	3.2	75	
SRA	1962	9	7	39.2	-110.89	3.1	224	
SRA	1964	8	24	38.77	-112.23	3.1	277	
SRA	1964	9	6	39.18	-111.46	3.1	253	
SRA	1964	11	29	38.97	-112.23	3.1	289	
SRA	1966	7	30	39.44	-110.36	3.1	227	
SRA	1970	2	21	39.49	-110.35	3.1	232	
SRA	1970	10	25	39.17	-111.41	3.1	249	
SRA	1971	4	22	39.41	-111.94	3.1	300	
SRA	1971	6	23	38.61	-112.71	3.1	307	
SRA	1976	8	13	38.42	-112.18	3.1	256	
SRA	1976	11	26	39.51	-111.26	3.1	270	
SRA	1979	3	19	40.18	-108.9	3.1	301	
SRA	1981	9	10	37.5	-110.56	3.1	93	
SRA	1983	3	22	39.546	-110.422	3.1	240	
SRA	1984	4	22	39.281	-107.19	3.1	282	
SRA	1963	12	24	39.56	-110.32	3	239	
SRA	1964	8	5	38.95	-110.92	3	203	
SRA	1964	9	21	38.8	-112.21	3	277	
SRA	1965	7	13	37.71	-112.98	3	308	
SRA	1965	7	20	38.03	-112.44	3	265	
SRA	1965	9	10	39.43	-111.47	3	274	
SRA	1967	4	4	38.32	-107.75	3	178	
SRA	1968	3	20	37.92	-112.28	3	249	
SRA	1970	4	14	39.65	-110.82	3	264	
SRA	1970	11	24	36.357	-112.273	3	277	
SRA	1971	12	15	36.791	-111.824	3	220	
SRA	1973	1	22	37.19	-112.97	3	309	
SRA	1976	2	28	35.91	-111.788	3	269	
SRA	1977	9	24	39.31	-107.31	3	277	
SRA	1977	11	29	36.82	-110.99	3	152	
SRA	1978	5	29	39.28	-107.32	3	274	
SRA	1978	9	23	39.32	-111.09	3	245	
SRA	1981	5	29	36.83	-110.37	3	107	
SRA	1981	7	14	36.82	-110.31	3	104	
SRA	1981	9	22	39.59	-110.39	3	244	
SRA	1982	4	17	38.22	-111.3	3	177	
SRA	1982	11	3	35.32	-108.74	3	251	
SRA	1982	11	19	36.03	-112.01	3	277	
SRA	1983	5	3	38.305	-110.633	3	133	

SRA	1984	6	12	39.143	-107.394	3	259	
SRA	1984	7	18	36.216	-111.844	3	252	
SRA	1985	6	27	39.558	-110.396	3	241	
EPB	1930	7	28	41.5	-109.3	3	222	
SRA	1963	1	10	39.5	-110.33	2.9	233	
SRA	1963	9	2	39.62	-110.4	2.9	247	
SRA	1964	2	6	37.65	-112.97	2.9	306	
SRA	1964	6	6	39.6	-110.37	2.9	245	
SRA	1964	8	12	39.15	-112.16	2.9	295	
SRA	1965	1	18	37.97	-112.85	2.9	299	
SRA	1965	3	26	39.42	-110.28	2.9	223	
SRA	1965	5	29	39.29	-110.35	2.9	212	
SRA	1966	5	1	39.08	-111.56	2.9	251	
SRA	1969	3	13	39.55	-110.41	2.9	240	
SRA	1969	11	12	37.77	-112.43	2.9	260	
SRA	1970	8	31	38.17	-112.33	2.9	259	
SRA	1972	7	13	37.56	-111.94	2.9	215	
SRA	1972	10	17	37.69	-112.93	2.9	303	
SRA	1975	1	12	38	-112.91	2.9	305	
SRA	1975	9	10	38.6	-112.59	2.9	297	
SRA	1976	8	19	39.31	-111.11	2.9	245	
SRA	1978	8	30	38.03	-112.49	2.9	269	
SRA	1978	10	14	38.19	-112.35	2.9	262	
SRA	1982	1	7	36.95	-112.88	2.9	305	
SRA	1982	2	25	39.6	-109.4	2.9	233	
SRA	1982	5	18	39.71	-110.73	2.9	267	
SRA	1982	11	22	39.74	-107.58	2.9	299	
SRA	1986	2	14	39.675	-110.525	2.9	257	
SRA	1986	4	11	38.982	-106.94	2.9	277	
PDE-Q	2009	11	27	38.96	-111.59	2.9	190	
PDE-Q	2009	12	23	40.753	-112.056	2.9	258	
PDE-Q	2010	1	5	40.36	-111.91	2.9	226	
SRA	1962	3	16	36.88	-109.72	2.8	71	
SRA	1965	2	26	39.84	-110.45	2.8	272	
SRA	1965	6	17	39.51	-111.22	2.8	268	
SRA	1965	10	22	38.99	-110.26	2.8	178	
SRA	1966	2	17	36.98	-107.02	2.8	227	
SRA	1966	2	27	36.9	-107	2.8	231	
SRA	1966	5	5	37.03	-112.38	2.8	260	
SRA	1966	5	30	38	-112.13	2.8	238	
SRA	1966	6	21	36.9	-107.1	2.8	223	
SRA	1967	11	16	39.55	-110.32	2.8	238	
SRA	1968	2	23	37.6	-110.24	2.8	66	
SRA	1968	9	20	38.49	-112.25	2.8	265	
SRA	1970	1	22	39.58	-110.41	2.8	244	
SRA	1970	12	3	35.874	-111.906	2.8	280	
SRA	1971	2	24	39.49	-110.36	2.8	233	
SRA	1973	2	10	38.06	-112.83	2.8	299	
SRA	1974	9	16	38.7	-112.55	2.8	298	
SRA	1975	9	29	35.96	-106.79	2.8	296	
SRA	1975	10	6	39.15	-111.5	2.8	253	
SRA	1976	6	30	38.85	-112.06	2.8	269	
SRA	1976	7	9	38.97	-111.48	2.8	237	

SRA	1976	11	6	39.47	-111.31	2.8	269	
SRA	1977	3	25	39.76	-110.83	2.8	276	
SRA	1980	3	1	39.62	-110.68	2.8	256	
SRA	1981	6	9	39.51	-111.26	2.8	270	
SRA	1982	2	15	39.2	-111.99	2.8	287	
SRA	1982	12	9	39.31	-111.15	2.8	247	
SRA	1983	12	15	37.575	-110.51	2.8	89	
SRA	1985	6	11	39.166	-111.47	2.8	252	
SRA	1985	9	6	39.594	-110.42	2.8	245	
PDE-Q	2010	1	11	39.7	-111.26	2.8	152	
SRA	1963	3	12	39.51	-110.66	2.7	244	
SRA	1964	3	2	39.5	-111.87	2.7	303	
SRA	1964	12	26	39.61	-110.38	2.7	246	
SRA	1965	7	5	39.23	-111.44	2.7	256	
SRA	1966	1	22	36.57	-111.99	2.7	244	
SRA	1966	3	22	36.98	-107.02	2.7	227	
SRA	1966	4	18	39.29	-112.07	2.7	299	
SRA	1967	4	3	39.44	-111.07	2.7	255	
SRA	1967	5	8	37.79	-110.17	2.7	67	
SRA	1967	5	17	37.85	-112.3	2.7	249	
SRA	1968	10	11	39.03	-110.17	2.7	179	
SRA	1970	5	21	39.41	-110.31	2.7	223	
SRA	1971	11	30	37.62	-113.09	2.7	317	
SRA	1972	4	27	39.2	-111.45	2.7	254	
SRA	1972	5	20	35.4	-107.36	2.7	301	
SRA	1972	12	18	35.42	-107.16	2.7	311	
SRA	1973	7	16	39.1	-111.43	2.7	244	
SRA	1974	5	29	39.02	-111.48	2.7	241	
SRA	1974	6	15	39.55	-110.58	2.7	246	
SRA	1974	7	12	39.43	-112.13	2.7	313	
SRA	1974	8	14	38.69	-112	2.7	255	
SRA	1974	9	3	39.55	-111	2.7	262	
SRA	1974	10	23	39.77	-110.75	2.7	274	
SRA	1974	12	25	37.87	-112.99	2.7	310	
SRA	1976	2	20	39.31	-111.14	2.7	246	
SRA	1976	8	3	38.09	-112.45	2.7	267	
SRA	1976	12	30	38.31	-112.2	2.7	253	
SRA	1977	9	21	37.11	-111.54	2.7	185	
SRA	1981	4	9	37.72	-110.54	2.7	94	
SRA	1982	1	29	39.49	-112.18	2.7	321	
SRA	1982	3	23	39.47	-112	2.7	308	
SRA	1982	8	25	38.01	-111.64	2.7	196	
SRA	1982	11	13	36.69	-106.71	2.7	263	
SRA	1983	2	12	39.311	-111.162	2.7	247	
SRA	1983	8	4	37.525	-110.452	2.7	84	
SRA	1984	1	8	39.04	-111.509	2.7	245	
SRA	1984	8	29	39.32	-111.162	2.7	248	
SRA	1985	12	3	39.701	-111.171	2.7	284	
SRA	1985	12	6	38.789	-108.899	2.7	152	
SRA	1986	5	9	38.887	-106.884	2.7	275	
SRA	1962	1	20	36.45	-110.4	2.6	141	
SRA	1962	8	10	39.28	-111.42	2.6	259	
SRA	1962	8	21	39.35	-111.03	2.6	244	
SRA	1963	3	17	39.1	-111.96	2.6	278	

SRA	1966	5	5	36.82	-112.39	2.6	267	
SRA	1966	7	24	36.9	-107	2.6	231	
SRA	1969	4	16	39.95	-110.72	2.6	291	
SRA	1969	8	19	37.64	-110.65	2.6	102	
SRA	1971	3	27	36.762	-112.393	2.6	269	
SRA	1971	6	25	39.45	-110.34	2.6	228	
SRA	1971	11	16	37.7	-113.1	2.6	318	
SRA	1972	6	26	38.19	-112.47	2.6	272	
SRA	1974	9	20	38.75	-112.33	2.6	284	
SRA	1976	3	21	39.3	-111.2	2.6	248	
SRA	1976	10	25	37.88	-112.7	2.6	285	
SRA	1977	3	5	39.3	-111.28	2.6	253	
SRA	1977	5	9	39.34	-111.1	2.6	247	
SRA	1977	8	12	36.79	-110.92	2.6	148	
SRA	1977	12	27	37.78	-112.52	2.6	268	
SRA	1979	3	29	40.27	-108.81	2.6	313	
SRA	1982	10	24	38.53	-112.28	2.6	269	
SRA	1982	11	25	39.33	-111.12	2.6	247	
SRA	1983	6	28	39.329	-111.133	2.6	247	
SRA	1984	6	8	39.733	-110.94	2.6	277	
SRA	1985	4	10	39.731	-110.936	2.6	277	
SRA	1985	5	5	39.608	-110.375	2.6	245	
SRA	1985	7	17	39.609	-110.397	2.6	246	
SRA	1985	9	24	39.588	-110.42	2.6	245	
SRA	1986	3	12	39.326	-111.094	2.6	245	
SRA	1986	7	31	38.225	-112.556	2.6	280	
SRA	1986	9	27	39.561	-110.403	2.6	241	
SRA	1962	10	1	36.14	-111.74	2.5	250	
SRA	1963	8	1	39.55	-110.33	2.5	238	
SRA	1965	5	16	37.95	-112.45	2.5	264	
SRA	1966	2	7	39.54	-111.09	2.5	265	
SRA	1966	4	28	39.49	-110.33	2.5	232	
SRA	1966	6	18	38.6	-112.7	2.5	306	
SRA	1967	2	1	37.83	-110.17	2.5	69	
SRA	1968	8	3	37.99	-112.39	2.5	260	
SRA	1969	6	18	38.75	-112.21	2.5	275	
SRA	1969	11	22	38.99	-111.49	2.5	240	
SRA	1970	10	13	38.55	-112.26	2.5	268	
SRA	1971	11	25	37.7	-113.1	2.5	318	
SRA	1972	6	14	39.48	-109.93	2.5	222	
SRA	1972	7	1	39.28	-110.25	2.5	208	
SRA	1977	5	9	39.34	-111.1	2.6	247	
SRA	1977	8	12	36.79	-110.92	2.6	148	
SRA	1977	12	27	37.78	-112.52	2.6	268	
SRA	1979	3	29	40.27	-108.81	2.6	313	
SRA	1982	10	24	38.53	-112.28	2.6	269	
SRA	1982	11	25	39.33	-111.12	2.6	247	
SRA	1983	6	28	39.329	-111.133	2.6	247	
SRA	1984	6	8	39.733	-110.94	2.6	277	
SRA	1985	4	10	39.731	-110.936	2.6	277	
SRA	1985	5	5	39.608	-110.375	2.6	245	
SRA	1985	7	17	39.609	-110.397	2.6	246	
SRA	1985	9	24	39.588	-110.42	2.6	245	
SRA	1986	3	12	39.326	-111.094	2.6	245	

SRA	1986	7	31	38.225	-112.556	2.6	280	
SRA	1986	9	27	39.561	-110.403	2.6	241	
SRA	1962	10	1	36.14	-111.74	2.5	250	
SRA	1963	8	1	39.55	-110.33	2.5	238	
SRA	1965	5	16	37.95	-112.45	2.5	264	
SRA	1966	2	7	39.54	-111.09	2.5	265	
SRA	1966	4	28	39.49	-110.33	2.5	232	
SRA	1966	6	18	38.6	-112.7	2.5	306	
SRA	1967	2	1	37.83	-110.17	2.5	69	
SRA	1968	8	3	37.99	-112.39	2.5	260	
SRA	1969	6	18	38.75	-112.21	2.5	275	
SRA	1969	11	22	38.99	-111.49	2.5	240	
SRA	1970	10	13	38.55	-112.26	2.5	268	
SRA	1971	11	25	37.7	-113.1	2.5	318	
SRA	1972	6	14	39.48	-109.93	2.5	222	
SRA	1972	7	1	39.28	-110.25	2.5	208	
SRA	1972	11	15	39	-111.43	2.5	237	
SRA	1973	9	29	38.08	-113.07	2.5	320	
SRA	1974	4	23	39.62	-110.28	2.5	244	
SRA	1974	4	27	39.27	-110.98	2.5	235	
SRA	1974	11	13	39.3	-110.24	2.5	209	
SRA	1975	1	29	39.32	-111.11	2.5	246	
SRA	1975	5	20	38.22	-112.78	2.5	299	
SRA	1975	12	20	39.49	-110.65	2.5	242	
SRA	1976	2	26	39.31	-111.06	2.5	242	
SRA	1976	5	20	35.47	-109.04	2.5	228	
SRA	1976	5	31	39.25	-111.19	2.5	243	
SRA	1976	6	13	38.9	-111.97	2.5	266	
SRA	1976	9	5	38.69	-112.42	2.5	288	
SRA	1976	10	6	39.07	-111.63	2.5	255	
SRA	1976	12	28	38.35	-111.17	2.5	174	
SRA	1977	7	9	37.89	-112.4	2.5	259	
SRA	1977	9	7	39.33	-111.12	2.5	247	
SRA	1977	11	24	38.26	-112.3	2.5	260	
SRA	1981	1	16	37.51	-113.11	2.5	319	
SRA	1981	8	14	35.27	-107.9	2.5	285	
SRA	1981	8	28	37.84	-112.93	2.5	304	
SRA	1982	1	29	39.33	-111.12	2.5	247	
SRA	1982	3	8	37.97	-112.16	2.5	240	
SRA	1982	9	19	39.2	-111.94	2.5	284	
SRA	1982	9	28	39.28	-111.15	2.5	244	
SRA	1983	2	20	39.708	-110.95	2.5	275	
SRA	1983	7	12	35.576	-107.11	2.5	302	
SRA	1984	8	9	37.65	-112.471	2.5	262	
SRA	1984	9	7	38.536	-112.287	2.5	270	
SRA	1985	5	15	39.114	-111.455	2.5	247	
SRA	1985	6	3	39.7	-110.72	2.5	266	
SRA	1985	8	6	39.557	-110.397	2.5	241	
SRA	1985	11	24	39.57	-110.477	2.5	244	
SRA	1985	12	28	39.712	-110.596	2.5	263	
SRA	1986	8	7	39.697	-110.736	2.5	266	
SRA	1986	8	31	38.966	-111.419	2.5	233	
SRA	1964	11	4	39.36	-110.29	2.4	217	
SRA	1965	11	4	39.49	-111.04	2.4	258	

SRA	1966	8	12	36.6	-107.2	2.4	227	
SRA	1968	2	26	39.52	-111.05	2.4	261	
SRA	1968	8	29	39.5	-110.38	2.4	234	
SRA	1983	6	16	38.936	-111.391	2.4	229	
SRA	1966	6	26	36.9	-107.2	2.3	214	
SRA	1966	2	6	36.98	-107.02	2.2	227	
SRA	1966	2	13	36.97	-106.96	2.2	232	
SRA	1984	4	12	39.298	-107.232	2.2	281	

APPENDIX 2: BOREHOLE LOG

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BOREHOLE LOG

PAGE: 1 OF 3

DATE: 6/15/06

BOREHOLE NO.: **MFG-1**

PROJECT INFORMATION

PROJECT: WHITE MESA

PROJECT NO.: 181413X

CLIENT: TETRA TECH EMI

OWNER: INTERNATIONAL URANIUM (IUSA) CORPORATION

LOCATION: BLANDING, UTAH

BOREHOLE LOCATION

SEE FIGURE 1

FIELD INFORMATION

DATE & TIME ARRIVED: 6/15/06 9:00AM

BOREHOLE LOGGED BY: NMT

VISITORS: NONE

WEATHER: PARTLY CLOUDY, SLIGHT BREEZE, APPROX. 80°

DRILLING INFORMATION

DRILLING COMPANY: DA SMITH DRILLING

START TIME: 11:10AM

BORING DEPTH: APPROX. 31' BORING DIA.: 6"

DRILLING METHOD: CME 75 SOLID STEM AUGER

SAMPLING METHOD: 2-IN CA SAMPLES

TIME DRILLING COMPLETE: 12:50PM

BOREHOLE COMPLETION / ABANDONMENT INFORMATION

START TIME: 12:50PM COMPLETE TIME: 1:10PM

INSTRUMENTATION: NONE BACKFILL: BENTONITE

GROUNDWATER CONDITIONS

GROUNDWATER WAS NOT ENCOUNTERED DURING DRILLING

FOLLOWING FIELD WORK

TIME OF CLEAN-UP COMPLETE: 1:10PM TIME LEFT SITE: 1:50PM

NOTES:

MFG, Inc.
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BOREHOLE LOG

PROJECT: *WHITE MESA* **PAGE:** *2 OF 3*

PROJECT NO.: *181413X* **DATE:** *6/15/06*

BOREHOLE NO.: **MFG-1**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES SAMPLE TYPE	BLOWS (PER 6")	RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
							COAL COVER AT SURFACE (APPROX. 0.25')
0							**SILTY CLAY (0 TO APPROX. 5.5')** SLIGHTLY MOIST, LIGHT OLIVE BROWN (2.5Y 5/3), VERY STIFF SILTY CLAY FILL, TRACE SAND, TRACE PEBBLES, WHITE PRECIPITATE, ZONES OF COLOR CHANGE TO RED (2.5YR 4/6).
1							
2							APPROX. 0.5' - MOIST.
3							
4							
5							
		CA B A	11 19 33	17"			**SILTY SAND (APPROX. 5.5' TO APPROX. 30')** SLIGHTLY MOIST, RED (2.5YR 5/6), VERY DENSE SILTY SAND, FINE TO MEDIUM GRAIN, TRACE TO SOME CLAY, WHITE PRECIPITATE.
6							
7							APPROX. 6.5' - SANDSTONE FRAGMENTS, DRY, PINK (5YR 8/3), VERY DENSE, MEDIUM CEMENTATION, FINE GRAIN.
8							
9							
10							
		CA B A	15 32 43	13"			
11							
12							
13							
14							
15							APPROX. 15' - ZONES OF SANDY CLAY VARIOUS COLORS, MOIST.
		CA B A	13 18 36	18"			
16							
17							
18							
19							
20							

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BOREHOLE LOG

PROJECT: *WHITE MESA* **PAGE:** *3 OF 3*

PROJECT NO.: *181413X* **DATE:** *6/15/06*

BOREHOLE NO.: **MFG-1**

DEPTH (FT)	CORE RECOV.	DRIVE SAMPLES: SAMPLE TYPE	DRIVE SAMPLES: BLOWS (PER 6")	DRIVE SAMPLES: RECOV.	ADD'L SAMPLES	LITHOLOGY GRAPHIC	SOIL DESCRIPTION
20							**SILTY SAND (APPROX. 5.5' TO APPROX. 30')** SEE DESCRIPTION ON PREVIOUS PAGE.
		CA B A	15 29 50/6"	18"			
21							
22							
23							
24							APPROX. 24' - SLIGHTLY MOIST.
25							
		CA B A	12 13 20	13"			
26							
27							
28							
29							
30							**SANDSTONE (APPROX. 30' TO E.O.B.)** SLIGHTLY MOIST, PINK (2.5YR 8/3), VERY DENSE SANDSTONE, FINE TO MEDIUM CEMENTATION, FINE GRAIN.
		CA B A	38 50/5"	13"			
31							E.O.B. = 31.0'
32							
33							
34							
35							
36							
37							
38							
39							
40							

APPENDIX 3: DEAGGREGATION OF SEISMIC HAZARD FOR PGA FROM USGS NATIONAL SEISMIC HAZARDS MAPPING PROJECT

*** Deaggregation of Seismic Hazard at One Period of Spectral Accel. ***

*** Data from U.S.G.S. National Seismic Hazards Mapping Project, 2008 version ***

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).

NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below

Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.101E-03
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00192

#This deaggregation corresponds to Mean Hazard w/all GMPEs

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
15.5	4.6	4.083	0.475	1.805	1.514	0.289	0	0
38.2	4.61	0.51	0.455	0.055	0	0	0	0
56.3	4.62	0.052	0.052	0	0	0	0	0
13.4	4.79	6.407	0.434	2.156	3.118	0.695	0.005	0
30.6	4.82	3.533	1.428	1.973	0.132	0	0	0
58.5	4.82	0.248	0.248	0	0	0	0	0
12	5.03	4.369	0.166	0.993	2.331	0.847	0.032	0
30.6	5.03	4.813	1.331	2.816	0.665	0	0	0
61	5.04	0.55	0.55	0	0	0	0	0
12.2	5.21	1.761	0.06	0.356	0.881	0.446	0.019	0
31.4	5.21	2.514	0.507	1.427	0.581	0	0	0
62	5.21	0.414	0.41	0.004	0	0	0	0
88.1	5.21	0.061	0.061	0	0	0	0	0
12.4	5.39	2.793	0.086	0.515	1.294	0.841	0.056	0
32.2	5.4	5.072	0.734	2.764	1.574	0	0	0
62.7	5.4	1.142	1.007	0.135	0	0	0	0
89.1	5.41	0.265	0.265	0	0	0	0	0
113.4	5.42	0.105	0.105	0	0	0	0	0
12.5	5.61	1.44	0.041	0.243	0.609	0.504	0.044	0
33.1	5.62	3.439	0.346	1.711	1.349	0.033	0	0
63.5	5.62	1.102	0.736	0.366	0	0	0	0
89.6	5.62	0.358	0.358	0	0	0	0	0
116.8	5.63	0.242	0.242	0	0	0	0	0
12.6	5.8	1.303	0.035	0.209	0.525	0.48	0.053	0
33.8	5.81	3.703	0.298	1.689	1.591	0.126	0	0
63.8	5.81	1.426	0.727	0.699	0	0	0	0
89.9	5.81	0.546	0.544	0.002	0	0	0	0
118.5	5.82	0.49	0.49	0	0	0	0	0

13.3	6.01	1.142	0.03	0.176	0.443	0.421	0.071	0.001
35	6.01	3.01	0.184	1.1	1.55	0.176	0	0
60.4	6.01	1.422	0.346	1.05	0.025	0	0	0
85.2	6.02	0.982	0.68	0.302	0	0	0	0
119.7	6.02	0.823	0.82	0.004	0	0	0	0
166.2	6.02	0.128	0.128	0	0	0	0	0
16.4	6.22	1.703	0.045	0.271	0.681	0.619	0.086	0.001
37.3	6.2	2.66	0.144	0.858	1.523	0.136	0	0
58.9	6.22	1.726	0.271	1.258	0.197	0	0	0
84.3	6.22	1.536	0.685	0.851	0	0	0	0
120.9	6.22	1.383	1.284	0.1	0	0	0	0
168.5	6.23	0.312	0.312	0	0	0	0	0
14.4	6.42	0.855	0.021	0.125	0.315	0.315	0.076	0.002
35.7	6.42	2.472	0.103	0.614	1.377	0.379	0	0
59.8	6.42	1.489	0.16	0.923	0.407	0	0	0
84.4	6.42	1.669	0.425	1.244	0	0	0	0
121.6	6.43	1.708	1.131	0.577	0	0	0	0
168.9	6.43	0.525	0.525	0	0	0	0	0
217.1	6.43	0.099	0.099	0	0	0	0	0
13.2	6.59	0.478	0.011	0.068	0.172	0.172	0.052	0.002
36.1	6.59	1.653	0.062	0.373	0.897	0.319	0.002	0
63.1	6.59	1.322	0.134	0.766	0.423	0	0	0
87.4	6.6	0.988	0.192	0.77	0.026	0	0	0
122.4	6.59	1.444	0.681	0.764	0	0	0	0
169.7	6.6	0.505	0.497	0.008	0	0	0	0
218.9	6.6	0.124	0.124	0	0	0	0	0
13.1	6.77	0.578	0.014	0.081	0.204	0.204	0.071	0.003
36.7	6.78	2.145	0.074	0.443	1.106	0.514	0.008	0
63	6.77	1.854	0.142	0.846	0.867	0	0	0
87.4	6.79	1.526	0.213	1.158	0.154	0	0	0
122.7	6.78	2.485	0.749	1.736	0	0	0	0
170.3	6.78	0.991	0.849	0.142	0	0	0	0
219.5	6.79	0.285	0.285	0	0	0	0	0
268.7	6.79	0.064	0.064	0	0	0	0	0
14.2	6.97	0.207	0.005	0.029	0.072	0.072	0.027	0.001
37.6	6.98	0.64	0.02	0.12	0.3	0.194	0.006	0
60.2	6.97	0.55	0.029	0.17	0.338	0.014	0	0
85.3	6.97	0.753	0.069	0.408	0.276	0	0	0
122.9	6.97	1.069	0.195	0.834	0.04	0	0	0
170.9	6.97	0.471	0.279	0.192	0	0	0	0
219.9	6.97	0.151	0.151	0	0	0	0	0
37.1	7.16	0.167	0.005	0.03	0.074	0.055	0.003	0
61.2	7.16	0.133	0.006	0.038	0.084	0.006	0	0
85	7.16	0.207	0.016	0.093	0.099	0	0	0
123.3	7.16	0.307	0.042	0.225	0.04	0	0	0
171.1	7.16	0.16	0.065	0.095	0	0	0	0

220.5 7.16 0.054 0.052 0.002 0 0 0 0

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:

Contribution from this GMPE(%): 100.0

Mean src-site R= 51.5 km; M= 5.81; eps0= 0.34. Mean calculated for all sources.

Modal src-site R= 13.4 km; M= 4.79; eps0= -0.26 from peak (R,M) bin

MODE R*= 12.2km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 3.118

Principal sources (faults, subduction, random seismicity having > 3% contribution)

Source Category: % contr. R(km) M epsilon0 (mean values).

CEUS gridded 100.00 51.5 5.81 0.34

Individual fault hazard details if its contribution to mean hazard > 2%:

Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)

#*********End of deaggregation corresponding to Mean Hazard w/all GMPEs *********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).

NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below

Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.277E-04
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00207

#This deaggregation corresponds to Toro et al. 1997

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
11.7	4.6	0.766	0.156	0.585	0.024	0	0	0
30.1	4.61	0.591	0.51	0.081	0	0	0	0
56.9	4.62	0.035	0.035	0	0	0	0	0
11.8	4.8	1.378	0.258	1.059	0.062	0	0	0
30.6	4.81	1.276	0.999	0.277	0	0	0	0
59.4	4.82	0.126	0.126	0	0	0	0	0

12.1	5.03	1.081	0.166	0.834	0.081	0	0	0
31.6	5.03	1.421	0.921	0.5	0	0	0	0
61.5	5.04	0.255	0.255	0	0	0	0	0
86.1	5.06	0.017	0.017	0	0	0	0	0
12.3	5.21	0.438	0.06	0.331	0.047	0	0	0
32.4	5.21	0.737	0.411	0.326	0	0	0	0
62.5	5.21	0.184	0.184	0	0	0	0	0
87.6	5.21	0.025	0.025	0	0	0	0	0
12.4	5.39	0.697	0.086	0.502	0.109	0	0	0
33.1	5.4	1.466	0.68	0.786	0	0	0	0
63.1	5.4	0.482	0.482	0.001	0	0	0	0
88.7	5.4	0.105	0.105	0	0	0	0	0
108.7	5.41	0.021	0.021	0	0	0	0	0
12.6	5.61	0.365	0.041	0.242	0.082	0	0	0
34.1	5.62	1.027	0.346	0.679	0.002	0	0	0
63.9	5.62	0.477	0.445	0.031	0	0	0	0
89.3	5.63	0.148	0.148	0	0	0	0	0
114.1	5.64	0.071	0.071	0	0	0	0	0
12.6	5.8	0.324	0.035	0.209	0.079	0	0	0
34.4	5.81	0.993	0.298	0.689	0.006	0	0	0
64.1	5.81	0.507	0.454	0.053	0	0	0	0
89.4	5.81	0.17	0.17	0	0	0	0	0
115.3	5.82	0.096	0.096	0	0	0	0	0
13.3	6.01	0.289	0.03	0.176	0.083	0	0	0
35.6	6.01	0.86	0.184	0.657	0.019	0	0	0
61.2	6.01	0.544	0.333	0.211	0	0	0	0
84.9	6.02	0.359	0.344	0.015	0	0	0	0
118.1	6.02	0.22	0.22	0	0	0	0	0
161.8	6.03	0.02	0.02	0	0	0	0	0
16.5	6.22	0.432	0.045	0.271	0.115	0	0	0
37.5	6.2	0.695	0.144	0.545	0.007	0	0	0
59.2	6.21	0.545	0.271	0.274	0	0	0	0
83.5	6.22	0.465	0.425	0.04	0	0	0	0
118.7	6.22	0.265	0.265	0	0	0	0	0
164.7	6.22	0.032	0.032	0	0	0	0	0
14.4	6.42	0.217	0.021	0.125	0.071	0	0	0
35.9	6.42	0.68	0.103	0.522	0.056	0	0	0
61.9	6.42	0.571	0.212	0.359	0	0	0	0
85.1	6.42	0.491	0.331	0.16	0	0	0	0
120.1	6.42	0.403	0.401	0.002	0	0	0	0
167.8	6.43	0.098	0.098	0	0	0	0	0
13.3	6.59	0.12	0.011	0.068	0.04	0	0	0
36.3	6.59	0.437	0.062	0.33	0.044	0	0	0
63.1	6.59	0.392	0.134	0.258	0	0	0	0
86.4	6.61	0.295	0.179	0.116	0	0	0	0
120.7	6.6	0.284	0.273	0.011	0	0	0	0

168.9	6.61	0.078	0.078	0	0	0	0	0
13.2	6.77	0.145	0.014	0.081	0.05	0	0	0
36.7	6.78	0.559	0.074	0.414	0.071	0	0	0
63.4	6.77	0.534	0.142	0.392	0	0	0	0
87	6.79	0.388	0.212	0.176	0	0	0	0
120.8	6.78	0.435	0.402	0.033	0	0	0	0
169.4	6.78	0.134	0.134	0	0	0	0	0
215.8	6.79	0.023	0.023	0	0	0	0	0
14.2	6.97	0.052	0.005	0.029	0.019	0	0	0
37.8	6.97	0.175	0.02	0.119	0.036	0	0	0
60.4	6.96	0.169	0.029	0.139	0.002	0	0	0
84.7	6.97	0.226	0.068	0.157	0	0	0	0
121.7	6.97	0.237	0.171	0.066	0	0	0	0
170.8	6.96	0.092	0.092	0	0	0	0	0
218.6	6.96	0.025	0.025	0	0	0	0	0
37.1	7.16	0.043	0.005	0.03	0.008	0	0	0
61.2	7.16	0.034	0.006	0.028	0	0	0	0
84.1	7.16	0.046	0.016	0.031	0	0	0	0
121.1	7.16	0.043	0.035	0.008	0	0	0	0
170	7.16	0.016	0.016	0	0	0	0	0

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:

Contribution from this GMPE(%): 27.5

Mean src-site R= 48.4 km; M= 5.77; eps0= 0.56. Mean calculated for all sources.

Modal src-site R= 33.1 km; M= 5.40; eps0= 0.69 from peak (R,M) bin

MODE R*= 11.9km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 1.059

Principal sources (faults, subduction, random seismicity having > 3% contribution)

Source Category: % contr. R(km) M epsilon0 (mean values).

CEUS gridded 27.49 48.4 5.77 0.56

Individual fault hazard details if its contribution to mean hazard > 2%:

Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)

#*********End of deaggregation corresponding to Toro et al. 1997 *********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).

NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below

Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.253E-05
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00058

#This deaggregation corresponds to Atkinson-Boore06,140 bar

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
8.6	4.61	0.102	0.064	0.038	0	0	0	0
9.5	4.8	0.254	0.147	0.106	0	0	0	0
10.7	5.03	0.255	0.146	0.108	0	0	0	0
11.7	5.21	0.125	0.064	0.061	0	0	0	0
12.9	5.4	0.24	0.115	0.124	0	0	0	0
34	5.42	0.003	0.003	0	0	0	0	0
14.2	5.62	0.154	0.072	0.081	0	0	0	0
35.5	5.63	0.006	0.006	0	0	0	0	0
15.4	5.8	0.168	0.08	0.088	0	0	0	0
37	5.82	0.013	0.013	0	0	0	0	0
13.7	6.01	0.123	0.04	0.084	0	0	0	0
31.1	6.03	0.047	0.043	0.004	0	0	0	0
54.3	6.03	0.002	0.002	0	0	0	0	0
15	6.22	0.155	0.045	0.11	0	0	0	0
33.8	6.2	0.058	0.054	0.003	0	0	0	0
55.9	6.23	0.007	0.007	0	0	0	0	0
17.6	6.42	0.138	0.044	0.094	0	0	0	0
38.5	6.42	0.039	0.038	0	0	0	0	0
57.7	6.43	0.01	0.01	0	0	0	0	0
85.7	6.44	0.006	0.006	0	0	0	0	0
123.5	6.44	0.011	0.011	0	0	0	0	0
12.8	6.59	0.054	0.011	0.043	0	0	0	0
31.9	6.59	0.068	0.045	0.023	0	0	0	0
58.6	6.59	0.01	0.01	0	0	0	0	0
85.9	6.59	0.009	0.009	0	0	0	0	0
124.7	6.57	0.011	0.011	0	0	0	0	0
125.5	6.63	0.007	0.007	0	0	0	0	0
159.7	6.6	0.003	0.003	0	0	0	0	0
12.9	6.77	0.067	0.014	0.054	0	0	0	0
32.9	6.78	0.104	0.062	0.042	0	0	0	0
60.5	6.78	0.023	0.023	0	0	0	0	0
87.9	6.8	0.017	0.017	0	0	0	0	0

125.3	6.79	0.045	0.045	0	0	0	0	0
166.6	6.8	0.016	0.016	0	0	0	0	0
15.9	6.98	0.029	0.006	0.023	0	0	0	0
36.1	6.97	0.029	0.018	0.012	0	0	0	0
58.8	6.97	0.01	0.01	0	0	0	0	0
86.2	6.98	0.01	0.01	0	0	0	0	0
124.7	7.03	0.011	0.011	0	0	0	0	0
125.8	6.92	0.012	0.012	0	0	0	0	0
169.3	6.98	0.011	0.011	0	0	0	0	0
212.8	6.99	0.001	0.001	0	0	0	0	0
13.8	7.16	0.005	0.001	0.004	0	0	0	0
34.3	7.16	0.011	0.005	0.006	0	0	0	0
60.1	7.16	0.003	0.003	0	0	0	0	0
85.8	7.16	0.004	0.004	0	0	0	0	0
125.4	7.16	0.009	0.009	0	0	0	0	0
170.3	7.16	0.005	0.005	0	0	0	0	0

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:

Contribution from this GMPE(%): 2.5

Mean src-site R= 25.8 km; M= 5.83; eps0= 0.24. Mean calculated for all sources.

Modal src-site R= 10.7 km; M= 5.03; eps0= 0.25 from peak (R,M) bin

MODE R*= 11.0km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 0.147

Principal sources (faults, subduction, random seismicity having > 3% contribution)

Source Category: % contr. R(km) M epsilon0 (mean values).

Individual fault hazard details if its contribution to mean hazard > 2%:

Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Atkinson-Boore06,140 bar
*********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W. lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).
NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below
Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.227E-04
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00331
#This deaggregation corresponds to Frankel et al. 1996

DIST(KM) MAG(MW) ALL_EPS EPSILON>2 1<EPS<2 0<EPS<1 -1<EPS<0 -2<EPS<-1 EPS<-2

14.7	4.59	0.589	0.275	0.314	0.000	0.000	0.000	0.000
31.0	4.64	0.226	0.218	0.009	0.000	0.000	0.000	0.000
12.2	4.80	0.912	0.258	0.654	0.000	0.000	0.000	0.000
30.1	4.80	0.951	0.836	0.115	0.000	0.000	0.000	0.000
57.6	4.82	0.053	0.053	0.000	0.000	0.000	0.000	0.000
12.4	5.03	0.683	0.166	0.517	0.000	0.000	0.000	0.000
31.3	5.03	1.026	0.781	0.246	0.000	0.000	0.000	0.000
61.1	5.04	0.136	0.136	0.000	0.000	0.000	0.000	0.000
87.4	5.08	0.012	0.012	0.000	0.000	0.000	0.000	0.000
12.6	5.21	0.266	0.060	0.206	0.000	0.000	0.000	0.000
32.2	5.21	0.522	0.353	0.170	0.000	0.000	0.000	0.000
62.4	5.21	0.106	0.106	0.000	0.000	0.000	0.000	0.000
89.3	5.21	0.024	0.024	0.000	0.000	0.000	0.000	0.000
12.7	5.39	0.410	0.086	0.323	0.000	0.000	0.000	0.000
33.1	5.40	1.027	0.623	0.404	0.000	0.000	0.000	0.000
63.2	5.41	0.295	0.295	0.000	0.000	0.000	0.000	0.000
89.9	5.41	0.100	0.100	0.000	0.000	0.000	0.000	0.000
115.4	5.42	0.076	0.076	0.000	0.000	0.000	0.000	0.000
12.7	5.61	0.203	0.041	0.163	0.000	0.000	0.000	0.000
34.1	5.62	0.649	0.339	0.310	0.000	0.000	0.000	0.000
64.0	5.62	0.270	0.270	0.000	0.000	0.000	0.000	0.000
90.1	5.62	0.120	0.120	0.000	0.000	0.000	0.000	0.000
119.5	5.62	0.138	0.138	0.000	0.000	0.000	0.000	0.000
12.8	5.80	0.181	0.035	0.146	0.000	0.000	0.000	0.000
34.9	5.80	0.696	0.298	0.398	0.000	0.000	0.000	0.000
64.5	5.81	0.380	0.375	0.005	0.000	0.000	0.000	0.000
90.3	5.81	0.200	0.200	0.000	0.000	0.000	0.000	0.000
120.9	5.81	0.273	0.273	0.000	0.000	0.000	0.000	0.000
162.5	5.83	0.047	0.047	0.000	0.000	0.000	0.000	0.000
13.5	6.01	0.155	0.030	0.125	0.000	0.000	0.000	0.000
35.8	6.01	0.525	0.184	0.341	0.000	0.000	0.000	0.000
60.8	6.01	0.324	0.282	0.041	0.000	0.000	0.000	0.000
85.9	6.02	0.298	0.298	0.000	0.000	0.000	0.000	0.000
121.5	6.01	0.369	0.369	0.000	0.000	0.000	0.000	0.000
167.8	6.02	0.096	0.096	0.000	0.000	0.000	0.000	0.000
16.7	6.23	0.235	0.045	0.189	0.000	0.000	0.000	0.000
37.8	6.20	0.464	0.144	0.320	0.000	0.000	0.000	0.000
59.3	6.21	0.390	0.269	0.121	0.000	0.000	0.000	0.000
85.1	6.22	0.465	0.463	0.001	0.000	0.000	0.000	0.000
122.5	6.22	0.605	0.605	0.000	0.000	0.000	0.000	0.000
169.9	6.22	0.217	0.217	0.000	0.000	0.000	0.000	0.000
214.9	6.24	0.036	0.036	0.000	0.000	0.000	0.000	0.000
14.5	6.42	0.113	0.021	0.092	0.000	0.000	0.000	0.000
36.2	6.42	0.392	0.103	0.290	0.000	0.000	0.000	0.000

60.2	6.42	0.300	0.159	0.141	0.000	0.000	0.000	0.000
85.1	6.42	0.432	0.397	0.034	0.000	0.000	0.000	0.000
123.1	6.42	0.621	0.621	0.000	0.000	0.000	0.000	0.000
170.3	6.43	0.285	0.285	0.000	0.000	0.000	0.000	0.000
218.2	6.43	0.074	0.074	0.000	0.000	0.000	0.000	0.000
13.4	6.59	0.062	0.011	0.051	0.000	0.000	0.000	0.000
36.7	6.59	0.258	0.062	0.196	0.000	0.000	0.000	0.000
64.1	6.59	0.275	0.134	0.141	0.000	0.000	0.000	0.000
88.1	6.60	0.249	0.191	0.057	0.000	0.000	0.000	0.000
123.8	6.59	0.495	0.491	0.004	0.000	0.000	0.000	0.000
171.1	6.59	0.256	0.256	0.000	0.000	0.000	0.000	0.000
219.5	6.59	0.084	0.084	0.000	0.000	0.000	0.000	0.000
266.9	6.60	0.016	0.016	0.000	0.000	0.000	0.000	0.000
13.2	6.77	0.074	0.014	0.061	0.000	0.000	0.000	0.000
37.2	6.77	0.327	0.074	0.253	0.000	0.000	0.000	0.000
63.7	6.77	0.359	0.142	0.218	0.000	0.000	0.000	0.000
87.8	6.79	0.367	0.213	0.155	0.000	0.000	0.000	0.000
124.0	6.78	0.770	0.678	0.092	0.000	0.000	0.000	0.000
171.7	6.78	0.451	0.451	0.000	0.000	0.000	0.000	0.000
220.2	6.79	0.173	0.173	0.000	0.000	0.000	0.000	0.000
268.9	6.79	0.044	0.044	0.000	0.000	0.000	0.000	0.000
14.2	6.97	0.026	0.005	0.022	0.000	0.000	0.000	0.000
37.9	6.98	0.093	0.020	0.073	0.000	0.000	0.000	0.000
60.5	6.97	0.092	0.029	0.064	0.000	0.000	0.000	0.000
85.7	6.97	0.154	0.068	0.085	0.000	0.000	0.000	0.000
124.2	6.97	0.276	0.194	0.082	0.000	0.000	0.000	0.000
172.3	6.97	0.176	0.175	0.001	0.000	0.000	0.000	0.000
220.7	6.97	0.074	0.074	0.000	0.000	0.000	0.000	0.000
270.2	6.98	0.022	0.022	0.000	0.000	0.000	0.000	0.000
37.6	7.16	0.024	0.005	0.019	0.000	0.000	0.000	0.000
61.5	7.16	0.023	0.006	0.017	0.000	0.000	0.000	0.000
85.4	7.16	0.042	0.016	0.027	0.000	0.000	0.000	0.000
124.5	7.16	0.078	0.042	0.036	0.000	0.000	0.000	0.000
172.7	7.16	0.059	0.056	0.004	0.000	0.000	0.000	0.000
221.2	7.16	0.027	0.027	0.000	0.000	0.000	0.000	0.000

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:
Contribution from this GMPE(%): 22.5
Mean src-site R= 69.4 km; M= 5.90; eps0= 0.56. Mean calculated for all sources.
Modal src-site R= 33.1 km; M= 5.40; eps0= 0.42 from peak (R,M) bin
MODE R*= 30.7km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 0.836

Principal sources (faults, subduction, random seismicity having > 3% contribution)

Source Category:	% contr.	R(km)	M	epsilon0 (mean values).
CEUS gridded	22.46	69.4	5.90	0.56

Individual fault hazard details if its contribution to mean hazard > 2%:

Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Frankel et al., 1996 *********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).
NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below
Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.146E-04
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00385
#This deaggregation corresponds to Campbell CEUS Hybrid

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
16.1	4.60	0.902	0.406	0.496	0.000	0.000	0.000	0.000
37.0	4.61	0.085	0.085	0.000	0.000	0.000	0.000	0.000
17.1	4.80	1.808	0.755	1.053	0.000	0.000	0.000	0.000
37.5	4.80	0.252	0.252	0.000	0.000	0.000	0.000	0.000
54.0	4.82	0.010	0.010	0.000	0.000	0.000	0.000	0.000
12.5	5.03	0.795	0.166	0.629	0.000	0.000	0.000	0.000
29.3	5.03	0.959	0.648	0.311	0.000	0.000	0.000	0.000
55.7	5.04	0.025	0.025	0.000	0.000	0.000	0.000	0.000
12.7	5.21	0.300	0.060	0.241	0.000	0.000	0.000	0.000
30.0	5.21	0.476	0.287	0.190	0.000	0.000	0.000	0.000
56.9	5.21	0.021	0.021	0.000	0.000	0.000	0.000	0.000
12.8	5.39	0.450	0.086	0.364	0.000	0.000	0.000	0.000
30.9	5.40	0.923	0.502	0.421	0.000	0.000	0.000	0.000
59.1	5.41	0.067	0.067	0.000	0.000	0.000	0.000	0.000
12.9	5.61	0.218	0.041	0.177	0.000	0.000	0.000	0.000
32.0	5.62	0.595	0.288	0.307	0.000	0.000	0.000	0.000
60.4	5.62	0.070	0.070	0.000	0.000	0.000	0.000	0.000
89.3	5.63	0.012	0.012	0.000	0.000	0.000	0.000	0.000
12.9	5.80	0.190	0.035	0.155	0.000	0.000	0.000	0.000
33.0	5.80	0.652	0.283	0.368	0.000	0.000	0.000	0.000
61.2	5.81	0.113	0.113	0.000	0.000	0.000	0.000	0.000
89.9	5.82	0.029	0.029	0.000	0.000	0.000	0.000	0.000
113.7	5.83	0.020	0.020	0.000	0.000	0.000	0.000	0.000
13.6	6.01	0.161	0.030	0.132	0.000	0.000	0.000	0.000
34.5	6.01	0.511	0.184	0.327	0.000	0.000	0.000	0.000
58.4	6.01	0.132	0.132	0.000	0.000	0.000	0.000	0.000
85.2	6.02	0.057	0.057	0.000	0.000	0.000	0.000	0.000
116.8	6.02	0.043	0.043	0.000	0.000	0.000	0.000	0.000
16.9	6.23	0.246	0.045	0.201	0.000	0.000	0.000	0.000
37.1	6.20	0.465	0.144	0.321	0.000	0.000	0.000	0.000
57.7	6.22	0.200	0.179	0.021	0.000	0.000	0.000	0.000
84.4	6.22	0.115	0.115	0.000	0.000	0.000	0.000	0.000
119.1	6.22	0.098	0.098	0.000	0.000	0.000	0.000	0.000

14.6	6.42	0.115	0.021	0.094	0.000	0.000	0.000	0.000
35.8	6.42	0.411	0.103	0.308	0.000	0.000	0.000	0.000
58.8	6.42	0.178	0.134	0.044	0.000	0.000	0.000	0.000
84.5	6.43	0.139	0.139	0.000	0.000	0.000	0.000	0.000
120.1	6.43	0.134	0.134	0.000	0.000	0.000	0.000	0.000
158.3	6.44	0.010	0.010	0.000	0.000	0.000	0.000	0.000
13.4	6.59	0.063	0.011	0.051	0.000	0.000	0.000	0.000
36.4	6.59	0.275	0.062	0.213	0.000	0.000	0.000	0.000
62.0	6.59	0.168	0.115	0.053	0.000	0.000	0.000	0.000
87.6	6.60	0.097	0.097	0.000	0.000	0.000	0.000	0.000
120.9	6.59	0.133	0.133	0.000	0.000	0.000	0.000	0.000
161.1	6.59	0.015	0.015	0.000	0.000	0.000	0.000	0.000
13.2	6.77	0.075	0.014	0.061	0.000	0.000	0.000	0.000
37.2	6.78	0.352	0.074	0.278	0.000	0.000	0.000	0.000
61.8	6.77	0.257	0.140	0.117	0.000	0.000	0.000	0.000
87.3	6.79	0.179	0.171	0.008	0.000	0.000	0.000	0.000
121.3	6.79	0.268	0.268	0.000	0.000	0.000	0.000	0.000
164.2	6.79	0.042	0.042	0.000	0.000	0.000	0.000	0.000
14.3	6.97	0.027	0.005	0.022	0.000	0.000	0.000	0.000
38.1	6.98	0.102	0.020	0.082	0.000	0.000	0.000	0.000
59.7	6.97	0.081	0.029	0.053	0.000	0.000	0.000	0.000
85.3	6.98	0.092	0.068	0.024	0.000	0.000	0.000	0.000
121.7	6.98	0.123	0.121	0.002	0.000	0.000	0.000	0.000
166.0	6.98	0.024	0.024	0.000	0.000	0.000	0.000	0.000
37.8	7.16	0.026	0.005	0.021	0.000	0.000	0.000	0.000
60.9	7.16	0.022	0.006	0.016	0.000	0.000	0.000	0.000
85.1	7.16	0.031	0.016	0.015	0.000	0.000	0.000	0.000
122.3	7.16	0.044	0.037	0.007	0.000	0.000	0.000	0.000
166.7	7.16	0.012	0.012	0.000	0.000	0.000	0.000	0.000

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:
Contribution from this GMPE(%): 14.5
Mean src-site R= 37.9 km; M= 5.66; eps0= -0.22. Mean calculated for all sources.
Modal src-site R= 17.1 km; M= 4.80; eps0= -0.45 from peak (R,M) bin
MODE R*= 14.5km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 1.053

Principal sources (faults, subduction, random seismicity having > 3% contribution)
Source Category: % contr. R(km) M epsilon0 (mean values).
CEUS gridded 14.51 37.9 5.66 -0.22
Individual fault hazard details if its contribution to mean hazard > 2%:
Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Campbell CEUS Hybrid
*********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.

Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).
NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below
Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.153E-04
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00185
#This deaggregation corresponds to Silva 1-corner

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
11.6	4.60	0.317	0.156	0.160	0.000	0.000	0.000	0.000
29.9	4.61	0.248	0.248	0.000	0.000	0.000	0.000	0.000
55.5	4.62	0.009	0.009	0.000	0.000	0.000	0.000	0.000
11.8	4.80	0.633	0.258	0.376	0.000	0.000	0.000	0.000
30.8	4.80	0.668	0.662	0.007	0.000	0.000	0.000	0.000
58.2	4.81	0.059	0.059	0.000	0.000	0.000	0.000	0.000
12.1	5.03	0.496	0.166	0.329	0.000	0.000	0.000	0.000
31.9	5.03	0.723	0.658	0.065	0.000	0.000	0.000	0.000
61.2	5.04	0.129	0.129	0.000	0.000	0.000	0.000	0.000
12.2	5.21	0.201	0.060	0.142	0.000	0.000	0.000	0.000
32.7	5.21	0.370	0.307	0.063	0.000	0.000	0.000	0.000
62.3	5.21	0.096	0.096	0.000	0.000	0.000	0.000	0.000
86.5	5.21	0.011	0.011	0.000	0.000	0.000	0.000	0.000
12.4	5.39	0.323	0.086	0.236	0.000	0.000	0.000	0.000
33.5	5.40	0.731	0.550	0.181	0.000	0.000	0.000	0.000
63.1	5.40	0.259	0.259	0.000	0.000	0.000	0.000	0.000
88.6	5.41	0.055	0.055	0.000	0.000	0.000	0.000	0.000
12.5	5.61	0.168	0.041	0.127	0.000	0.000	0.000	0.000
34.3	5.62	0.478	0.315	0.162	0.000	0.000	0.000	0.000
63.9	5.62	0.230	0.230	0.000	0.000	0.000	0.000	0.000
89.3	5.62	0.070	0.070	0.000	0.000	0.000	0.000	0.000
111.3	5.63	0.027	0.027	0.000	0.000	0.000	0.000	0.000
12.6	5.80	0.155	0.035	0.120	0.000	0.000	0.000	0.000
34.9	5.80	0.525	0.296	0.229	0.000	0.000	0.000	0.000
64.4	5.81	0.320	0.320	0.000	0.000	0.000	0.000	0.000
89.6	5.81	0.120	0.120	0.000	0.000	0.000	0.000	0.000
116.1	5.82	0.078	0.078	0.000	0.000	0.000	0.000	0.000
13.3	6.01	0.136	0.030	0.107	0.000	0.000	0.000	0.000
35.8	6.01	0.407	0.184	0.223	0.000	0.000	0.000	0.000
60.8	6.01	0.273	0.258	0.015	0.000	0.000	0.000	0.000
84.7	6.02	0.203	0.203	0.000	0.000	0.000	0.000	0.000
118.4	6.02	0.129	0.129	0.000	0.000	0.000	0.000	0.000
160.4	6.03	0.011	0.011	0.000	0.000	0.000	0.000	0.000
16.5	6.23	0.207	0.045	0.162	0.000	0.000	0.000	0.000
37.8	6.20	0.369	0.144	0.225	0.000	0.000	0.000	0.000
59.5	6.21	0.334	0.262	0.072	0.000	0.000	0.000	0.000
83.9	6.22	0.336	0.336	0.000	0.000	0.000	0.000	0.000
119.9	6.22	0.241	0.241	0.000	0.000	0.000	0.000	0.000

167.5	6.23	0.051	0.051	0.000	0.000	0.000	0.000	0.000
14.4	6.42	0.104	0.021	0.083	0.000	0.000	0.000	0.000
36.1	6.42	0.326	0.103	0.223	0.000	0.000	0.000	0.000
60.3	6.42	0.262	0.159	0.102	0.000	0.000	0.000	0.000
84.2	6.42	0.328	0.318	0.009	0.000	0.000	0.000	0.000
120.9	6.43	0.279	0.279	0.000	0.000	0.000	0.000	0.000
169.6	6.43	0.093	0.093	0.000	0.000	0.000	0.000	0.000
215.1	6.44	0.017	0.017	0.000	0.000	0.000	0.000	0.000
13.2	6.59	0.059	0.011	0.047	0.000	0.000	0.000	0.000
36.5	6.59	0.220	0.062	0.157	0.000	0.000	0.000	0.000
64.1	6.59	0.242	0.134	0.108	0.000	0.000	0.000	0.000
87.5	6.60	0.188	0.172	0.016	0.000	0.000	0.000	0.000
121.8	6.59	0.244	0.244	0.000	0.000	0.000	0.000	0.000
170.9	6.59	0.097	0.097	0.000	0.000	0.000	0.000	0.000
218.8	6.59	0.029	0.029	0.000	0.000	0.000	0.000	0.000
13.1	6.77	0.071	0.014	0.057	0.000	0.000	0.000	0.000
37.1	6.78	0.285	0.074	0.211	0.000	0.000	0.000	0.000
63.7	6.77	0.319	0.142	0.177	0.000	0.000	0.000	0.000
87.3	6.79	0.288	0.212	0.076	0.000	0.000	0.000	0.000
122.4	6.78	0.419	0.417	0.002	0.000	0.000	0.000	0.000
171.5	6.79	0.199	0.199	0.000	0.000	0.000	0.000	0.000
220.2	6.79	0.075	0.075	0.000	0.000	0.000	0.000	0.000
268.9	6.80	0.019	0.019	0.000	0.000	0.000	0.000	0.000
14.2	6.97	0.025	0.005	0.021	0.000	0.000	0.000	0.000
37.8	6.98	0.083	0.020	0.063	0.000	0.000	0.000	0.000
60.5	6.97	0.083	0.029	0.055	0.000	0.000	0.000	0.000
85.1	6.97	0.125	0.068	0.057	0.000	0.000	0.000	0.000
122.8	6.97	0.163	0.153	0.011	0.000	0.000	0.000	0.000
172.2	6.97	0.089	0.089	0.000	0.000	0.000	0.000	0.000
221.0	6.98	0.038	0.038	0.000	0.000	0.000	0.000	0.000
270.8	6.98	0.013	0.013	0.000	0.000	0.000	0.000	0.000
37.4	7.16	0.022	0.005	0.017	0.000	0.000	0.000	0.000
61.5	7.16	0.021	0.006	0.015	0.000	0.000	0.000	0.000
84.9	7.16	0.036	0.016	0.020	0.000	0.000	0.000	0.000
123.3	7.16	0.050	0.040	0.009	0.000	0.000	0.000	0.000
172.6	7.16	0.033	0.033	0.000	0.000	0.000	0.000	0.000
221.6	7.16	0.015	0.015	0.000	0.000	0.000	0.000	0.000

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:
Contribution from this GMPE(%): 15.2
Mean src-site R= 58.4 km; M= 5.87; eps0= 0.70. Mean calculated for all sources.
Modal src-site R= 33.5 km; M= 5.40; eps0= 0.74 from peak (R,M) bin
MODE R*= 30.9km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 0.662

Principal sources (faults, subduction, random seismicity having > 3% contribution)
Source Category: % contr. R(km) M epsilon0 (mean values).

CEUS gridded 15.19 58.4 5.87 0.70
Individual fault hazard details if its contribution to mean hazard > 2%:
Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Silva 1-corner *********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).
NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below
Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.142E-04
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00371
#This deaggregation corresponds to Tavakoli and Pezeshk 05

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
14.2	4.60	0.603	0.279	0.323	0.000	0.000	0.000	0.000
34.9	4.62	0.018	0.018	0.000	0.000	0.000	0.000	0.000
15.6	4.80	1.361	0.620	0.742	0.000	0.000	0.000	0.000
36.2	4.81	0.089	0.089	0.000	0.000	0.000	0.000	0.000
17.3	5.03	1.223	0.489	0.734	0.000	0.000	0.000	0.000
37.3	5.04	0.166	0.166	0.000	0.000	0.000	0.000	0.000
12.6	5.21	0.292	0.060	0.233	0.000	0.000	0.000	0.000
29.1	5.21	0.373	0.239	0.134	0.000	0.000	0.000	0.000
55.3	5.21	0.008	0.008	0.000	0.000	0.000	0.000	0.000
12.7	5.39	0.446	0.086	0.360	0.000	0.000	0.000	0.000
30.3	5.40	0.812	0.452	0.361	0.000	0.000	0.000	0.000
57.5	5.42	0.038	0.038	0.000	0.000	0.000	0.000	0.000
12.9	5.61	0.218	0.041	0.177	0.000	0.000	0.000	0.000
31.7	5.62	0.578	0.278	0.301	0.000	0.000	0.000	0.000
59.7	5.62	0.054	0.054	0.000	0.000	0.000	0.000	0.000
89.2	5.63	0.008	0.008	0.000	0.000	0.000	0.000	0.000
12.9	5.80	0.191	0.035	0.156	0.000	0.000	0.000	0.000
33.0	5.81	0.669	0.283	0.386	0.000	0.000	0.000	0.000
60.8	5.81	0.105	0.105	0.000	0.000	0.000	0.000	0.000
90.1	5.82	0.028	0.028	0.000	0.000	0.000	0.000	0.000
115.3	5.83	0.024	0.024	0.000	0.000	0.000	0.000	0.000
13.6	6.01	0.162	0.030	0.132	0.000	0.000	0.000	0.000
34.7	6.01	0.546	0.184	0.362	0.000	0.000	0.000	0.000
58.2	6.01	0.141	0.139	0.002	0.000	0.000	0.000	0.000
85.6	6.02	0.064	0.064	0.000	0.000	0.000	0.000	0.000
118.6	6.02	0.062	0.062	0.000	0.000	0.000	0.000	0.000
17.0	6.23	0.248	0.045	0.202	0.000	0.000	0.000	0.000
37.3	6.20	0.509	0.144	0.366	0.000	0.000	0.000	0.000
57.6	6.22	0.231	0.191	0.040	0.000	0.000	0.000	0.000
84.9	6.22	0.142	0.142	0.000	0.000	0.000	0.000	0.000
120.4	6.23	0.151	0.151	0.000	0.000	0.000	0.000	0.000

157.9	6.24	0.009	0.009	0.000	0.000	0.000	0.000	0.000
14.6	6.42	0.115	0.021	0.094	0.000	0.000	0.000	0.000
36.2	6.42	0.445	0.103	0.342	0.000	0.000	0.000	0.000
58.8	6.42	0.215	0.144	0.071	0.000	0.000	0.000	0.000
84.9	6.43	0.182	0.182	0.000	0.000	0.000	0.000	0.000
121.1	6.43	0.215	0.215	0.000	0.000	0.000	0.000	0.000
161.5	6.43	0.027	0.027	0.000	0.000	0.000	0.000	0.000
13.4	6.59	0.063	0.011	0.051	0.000	0.000	0.000	0.000
36.9	6.59	0.295	0.062	0.233	0.000	0.000	0.000	0.000
62.2	6.59	0.207	0.126	0.082	0.000	0.000	0.000	0.000
87.9	6.60	0.133	0.133	0.000	0.000	0.000	0.000	0.000
121.9	6.59	0.218	0.218	0.000	0.000	0.000	0.000	0.000
164.3	6.59	0.036	0.036	0.000	0.000	0.000	0.000	0.000
13.2	6.77	0.075	0.014	0.061	0.000	0.000	0.000	0.000
37.6	6.77	0.373	0.074	0.299	0.000	0.000	0.000	0.000
62.0	6.77	0.314	0.142	0.173	0.000	0.000	0.000	0.000
87.5	6.79	0.246	0.206	0.040	0.000	0.000	0.000	0.000
122.3	6.79	0.437	0.433	0.004	0.000	0.000	0.000	0.000
166.1	6.79	0.094	0.094	0.000	0.000	0.000	0.000	0.000
14.3	6.97	0.027	0.005	0.022	0.000	0.000	0.000	0.000
38.4	6.98	0.106	0.020	0.086	0.000	0.000	0.000	0.000
59.9	6.97	0.096	0.029	0.068	0.000	0.000	0.000	0.000
85.7	6.97	0.124	0.068	0.056	0.000	0.000	0.000	0.000
122.6	6.98	0.196	0.167	0.029	0.000	0.000	0.000	0.000
167.2	6.98	0.051	0.051	0.000	0.000	0.000	0.000	0.000
38.0	7.16	0.027	0.005	0.022	0.000	0.000	0.000	0.000
61.1	7.16	0.025	0.006	0.019	0.000	0.000	0.000	0.000
85.4	7.16	0.040	0.016	0.025	0.000	0.000	0.000	0.000
123.2	7.16	0.067	0.042	0.025	0.000	0.000	0.000	0.000
167.7	7.16	0.023	0.023	0.000	0.000	0.000	0.000	0.000

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:
Contribution from this GMPE(%): 14.1
Mean src-site R= 44.4 km; M= 5.83; eps0= -0.21. Mean calculated for all sources.
Modal src-site R= 15.6 km; M= 4.80; eps0= -0.27 from peak (R,M) bin
MODE R*= 12.3km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 0.742

Principal sources (faults, subduction, random seismicity having > 3% contribution)
Source Category: % contr. R(km) M epsilon0 (mean values).
CEUS gridded 14.06 44.4 5.83 -0.21
Individual fault hazard details if its contribution to mean hazard > 2%:
Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Tavakoli and Pezeshk 05
*********#

PSHA Deaggregation. %contributions. site: White_Mesa long: 109.500 W., lat: 37.500 N.
Vs30(m/s)= 760.0 (some WUS atten. models use Site Class not Vs30).
NSHMP 2007-08 See USGS OFR 2008-1128. dM=0.2 below
Return period: 9900 yrs. Exceedance PGA =0.1511 g. Weight * Computed_Rate_Ex 0.381E-05
#Pr[at least one eq with median motion>=PGA in 50 yrs]=0.00086
#This deaggregation corresponds to Atkinson-Boore06,200 bar

DIST(KM)	MAG(MW)	ALL_EPS	EPSILON>2	1<EPS<2	0<EPS<1	-1<EPS<0	-2<EPS<-1	EPS<-2
9.3	4.61	0.146	0.084	0.062	0.000	0.000	0.000	0.000
10.3	4.80	0.357	0.207	0.150	0.000	0.000	0.000	0.000
11.7	5.03	0.353	0.178	0.175	0.000	0.000	0.000	0.000
12.9	5.21	0.171	0.081	0.090	0.000	0.000	0.000	0.000
33.9	5.21	0.002	0.002	0.000	0.000	0.000	0.000	0.000
14.1	5.40	0.325	0.151	0.174	0.000	0.000	0.000	0.000
35.4	5.42	0.011	0.011	0.000	0.000	0.000	0.000	0.000
15.5	5.61	0.205	0.097	0.108	0.000	0.000	0.000	0.000
37.0	5.62	0.017	0.017	0.000	0.000	0.000	0.000	0.000
15.3	5.79	0.189	0.074	0.115	0.000	0.000	0.000	0.000
31.6	5.84	0.062	0.055	0.007	0.000	0.000	0.000	0.000
55.1	5.83	0.002	0.002	0.000	0.000	0.000	0.000	0.000
12.9	6.01	0.127	0.030	0.098	0.000	0.000	0.000	0.000
30.9	6.01	0.103	0.084	0.019	0.000	0.000	0.000	0.000
56.2	6.02	0.007	0.007	0.000	0.000	0.000	0.000	0.000
15.6	6.22	0.180	0.045	0.135	0.000	0.000	0.000	0.000
34.6	6.20	0.101	0.086	0.014	0.000	0.000	0.000	0.000
57.0	6.22	0.019	0.019	0.000	0.000	0.000	0.000	0.000
86.0	6.23	0.011	0.011	0.000	0.000	0.000	0.000	0.000
124.0	6.24	0.021	0.021	0.000	0.000	0.000	0.000	0.000
18.3	6.42	0.163	0.044	0.120	0.000	0.000	0.000	0.000
39.0	6.42	0.068	0.059	0.009	0.000	0.000	0.000	0.000
58.3	6.43	0.023	0.023	0.000	0.000	0.000	0.000	0.000
85.9	6.43	0.021	0.021	0.000	0.000	0.000	0.000	0.000
124.7	6.35	0.009	0.009	0.000	0.000	0.000	0.000	0.000
125.1	6.45	0.036	0.036	0.000	0.000	0.000	0.000	0.000
162.5	6.44	0.012	0.012	0.000	0.000	0.000	0.000	0.000
13.1	6.59	0.058	0.011	0.046	0.000	0.000	0.000	0.000
33.0	6.59	0.100	0.056	0.044	0.000	0.000	0.000	0.000
58.9	6.59	0.022	0.022	0.000	0.000	0.000	0.000	0.000
86.0	6.59	0.024	0.024	0.000	0.000	0.000	0.000	0.000
125.6	6.59	0.052	0.052	0.000	0.000	0.000	0.000	0.000
167.5	6.59	0.020	0.020	0.000	0.000	0.000	0.000	0.000
13.0	6.77	0.071	0.014	0.057	0.000	0.000	0.000	0.000
33.9	6.78	0.146	0.072	0.074	0.000	0.000	0.000	0.000
61.2	6.78	0.048	0.048	0.000	0.000	0.000	0.000	0.000

88.0	6.79	0.040	0.040	0.000	0.000	0.000	0.000	0.000
125.7	6.79	0.111	0.111	0.000	0.000	0.000	0.000	0.000
169.6	6.79	0.055	0.055	0.000	0.000	0.000	0.000	0.000
214.6	6.81	0.009	0.009	0.000	0.000	0.000	0.000	0.000
16.2	6.98	0.031	0.006	0.025	0.000	0.000	0.000	0.000
36.9	6.97	0.041	0.019	0.022	0.000	0.000	0.000	0.000
59.2	6.97	0.018	0.018	0.000	0.000	0.000	0.000	0.000
86.2	6.98	0.022	0.022	0.000	0.000	0.000	0.000	0.000
124.7	7.07	0.009	0.009	0.000	0.000	0.000	0.000	0.000
125.7	6.96	0.042	0.042	0.000	0.000	0.000	0.000	0.000
170.7	6.98	0.029	0.029	0.000	0.000	0.000	0.000	0.000
218.5	6.98	0.008	0.008	0.000	0.000	0.000	0.000	0.000
13.8	7.16	0.005	0.001	0.004	0.000	0.000	0.000	0.000
35.2	7.16	0.014	0.005	0.009	0.000	0.000	0.000	0.000
60.4	7.16	0.005	0.005	0.000	0.000	0.000	0.000	0.000
85.8	7.16	0.008	0.008	0.000	0.000	0.000	0.000	0.000
125.6	7.16	0.018	0.018	0.000	0.000	0.000	0.000	0.000
171.2	7.16	0.012	0.012	0.000	0.000	0.000	0.000	0.000
219.9	7.16	0.004	0.004	0.000	0.000	0.000	0.000	0.000

Summary statistics for above PSHA PGA deaggregation, R=distance, e=epsilon:
Contribution from this GMPE(%): 3.8
Mean src-site R= 36.7 km; M= 5.89; eps0= 0.31. Mean calculated for all sources.
Modal src-site R= 10.3 km; M= 4.80; eps0= 0.25 from peak (R,M) bin
MODE R*= 12.3km; M*= 4.80; EPS.INTERVAL: 0 to 1 sigma % CONTRIB.= 0.207

Principal sources (faults, subduction, random seismicity having > 3% contribution)
Source Category: % contr. R(km) M epsilon0 (mean values).
CEUS gridded 3.77 36.7 5.89 0.31
Individual fault hazard details if its contribution to mean hazard > 2%:
Fault ID % contr. Rcd(km) M epsilon0 Site-to-src azimuth(d)
#*********End of deaggregation corresponding to Atkinson-Boore06,200 bar
*********#

********** Intermountain Seismic
Belt**********

APPENDIX 4: DETERMINATION OF PEAK GROUND ACCELERATIONS (PGA) USING CAMPBELL AND BOZORGNIA (2007)

CALCUATION OF GROUND MOTION FOR CAMPBELL-BOZORGNIA NGA MODEL (MAR 2008, EARTHQUAKE SPECTRA):

Explanatory Variables

M
5.49

R_{RUP}
57.40

R_{JB}
57.40

F_{RV}
0

F_{NM}
1

Z_{TOR}
3.00

δ
60

V_{S30}
586

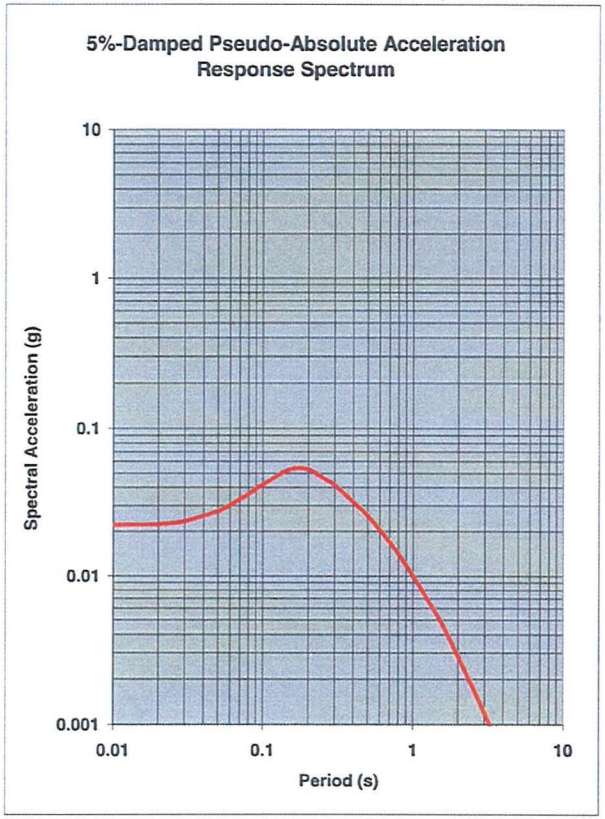
$Z_{2.5}$
0.00

Geometric Mean and Arbitrary Horizontal Components

GMP	T (s)	Median	α	σ	τ	σ_C	σ_T	σ_{Arb}	Median + sigma
PSA (g)	0.010	2.221E-02	-0.0065	0.4761	0.2190	0.1660	0.5241	0.5497	
	0.020	2.249E-02	-0.0067	0.4781	0.2190	0.1660	0.5258	0.5514	
	0.030	2.364E-02	-0.0081	0.4867	0.2350	0.1650	0.5404	0.5651	
	0.050	2.778E-02	-0.0125	0.5064	0.2580	0.1620	0.5683	0.5910	
	0.075	3.490E-02	-0.0147	0.5159	0.2920	0.1580	0.5928	0.6135	
	0.10	4.211E-02	-0.0144	0.5270	0.2860	0.1700	0.5996	0.6233	
	0.15	5.324E-02	-0.0110	0.5290	0.2800	0.1800	0.5985	0.6250	
	0.20	5.352E-02	-0.0068	0.5322	0.2490	0.1860	0.5875	0.6163	
	0.25	4.702E-02	-0.0031	0.5332	0.2400	0.1910	0.5847	0.6151	
	0.30	4.173E-02	0.0000	0.5440	0.2150	0.1980	0.5849	0.6175	
	0.40	3.216E-02	0.0000	0.5410	0.2170	0.2060	0.5829	0.6182	
	0.50	2.604E-02	0.0000	0.5500	0.2140	0.2080	0.5902	0.6257	
	0.75	1.565E-02	0.0000	0.5680	0.2270	0.2210	0.6117	0.6504	
	1.0	1.012E-02	0.0000	0.5680	0.2550	0.2250	0.6226	0.6620	
	1.5	5.153E-03	0.0000	0.5640	0.2960	0.2220	0.6370	0.6745	
	2.0	2.884E-03	0.0000	0.5710	0.2960	0.2260	0.6432	0.6817	
	3.0	1.221E-03	0.0000	0.5580	0.3260	0.2290	0.6463	0.6856	
	4.0	6.337E-04	0.0000	0.5760	0.2970	0.2370	0.6481	0.6900	
	5.0	3.953E-04	0.0000	0.6010	0.3590	0.2370	0.7001	0.7391	
	7.5	1.739E-04	0.0000	0.6280	0.4280	0.2710	0.7600	0.8069	
	10.0	9.719E-05	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	
PGA (g)	0	2.221E-02	-0.0065	0.4761	0.2190	0.1660	0.5241	0.5497	0.038
PGV (c/s)	-1	1.063E+00	0.0000	0.4840	0.2030	0.1900	0.5248	0.5582	
PGD (cm)	-2	2.413E-01	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	

Calculated Variables

A_{1100}
1.803E-02



DEFINITION OF PARAMETERS:

PSA	=	Pseudo-absolute acceleration response spectrum (g; 5% damping)
PGA	=	Peak ground acceleration (g)
PGV	=	Peak ground velocity (cm/s)
PGD	=	Peak ground displacement (cm)
M	=	Moment magnitude
R_{RUP}	=	Closest distance to coseismic rupture (km)
R_{JB}	=	Closest distance to surface projection of coseismic rupture (km)
F_{RV}	=	Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM}	=	Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique and thrust; 1 for normal and normal-oblique
Z_{TOR}	=	Depth to top of coseismic rupture (km)
δ	=	Average dip of rupture plane (degrees)
V_{S30}	=	Average shear-wave velocity in top 30m of site profile
A_{1100}	=	PGA on rock with Vs30 = 1100 m/s (g)
$Z_{2.5}$	=	Depth of 2.5 km/s shear-wave velocity horizon (km)

Unnamed fault possible extention of Shays graben defined length 3.0 km

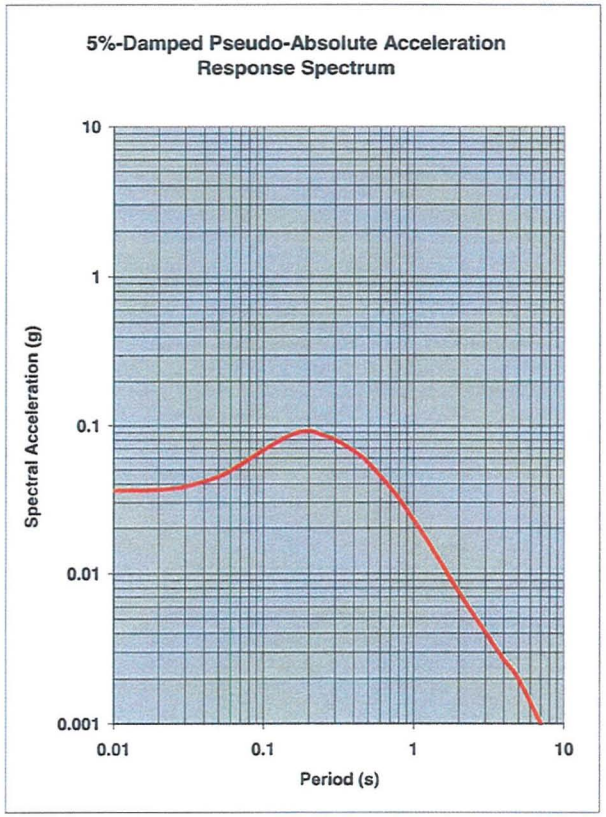
CALCUATION OF GROUND MOTION FOR CAMPBELL-BOZORGNIA NGA MODEL (MAR 2008, EARTHQUAKE SPECTRA):

Explanatory Variables

M	6.23
R_{RUP}	57.40
R_{JB}	57.40
F_{RV}	0
F_{NM}	1
Z_{TOR}	3.00
δ	60
V_{S30}	586
$Z_{2.5}$	0.00

Geometric Mean and Arbitrary Horizontal Components

GMP	T (s)	Median	α	σ	τ	σ_C	σ_T	σ_{Arb}	Median + sigma
PSA (g)	0.010	3.622E-02	-0.0104	0.4750	0.2190	0.1660	0.5230	0.5487	
	0.020	3.667E-02	-0.0107	0.4769	0.2190	0.1660	0.5248	0.5504	
	0.030	3.852E-02	-0.0130	0.4852	0.2350	0.1650	0.5391	0.5638	
	0.050	4.513E-02	-0.0202	0.5042	0.2580	0.1620	0.5664	0.5891	
	0.075	5.664E-02	-0.0236	0.5134	0.2920	0.1580	0.5906	0.6114	
	0.10	6.838E-02	-0.0231	0.5247	0.2860	0.1700	0.5975	0.6213	
	0.15	8.664E-02	-0.0178	0.5271	0.2800	0.1800	0.5969	0.6234	
	0.20	9.283E-02	-0.0111	0.5310	0.2490	0.1860	0.5865	0.6153	
	0.25	8.689E-02	-0.0050	0.5327	0.2400	0.1910	0.5843	0.6147	
	0.30	8.119E-02	-0.0001	0.5440	0.2150	0.1980	0.5849	0.6175	
	0.40	6.769E-02	0.0000	0.5410	0.2170	0.2060	0.5829	0.6182	
	0.50	5.644E-02	0.0000	0.5500	0.2140	0.2080	0.5902	0.6257	
	0.75	3.507E-02	0.0000	0.5680	0.2270	0.2210	0.6117	0.6504	
	1.0	2.323E-02	0.0000	0.5680	0.2550	0.2250	0.6226	0.6620	
	1.5	1.225E-02	0.0000	0.5640	0.2960	0.2220	0.6370	0.6745	
	2.0	7.683E-03	0.0000	0.5710	0.2960	0.2260	0.6432	0.6817	
	3.0	4.170E-03	0.0000	0.5580	0.3260	0.2290	0.6463	0.6856	
	4.0	2.737E-03	0.0000	0.5760	0.2970	0.2370	0.6481	0.6900	
	5.0	2.043E-03	0.0000	0.6010	0.3590	0.2370	0.7001	0.7391	
	7.5	8.990E-04	0.0000	0.6280	0.4280	0.2710	0.7600	0.8069	
	10.0	5.024E-04	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	
PGA (g)	0	3.622E-02	-0.0104	0.4750	0.2190	0.1660	0.5230	0.5487	0.063
PGV (c/s)	-1	2.365E+00	0.0000	0.4840	0.2030	0.1900	0.5248	0.5582	
PGD (cm)	-2	1.247E+00	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	



Calculated Variables

A_{1100}
2.952E-02

DEFINITION OF PARAMETERS:

PSA	=	Pseudo-absolute acceleration response spectrum (g; 5% damping)
PGA	=	Peak ground acceleration (g)
PGV	=	Peak ground velocity (cm/s)
PGD	=	Peak ground displacement (cm)
M	=	Moment magnitude
R_{RUP}	=	Closest distance to coseismic rupture (km)
R_{JB}	=	Closest distance to surface projection of coseismic rupture (km)
F_{RV}	=	Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM}	=	Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique and thrust; 1 for normal and normal-oblique
Z_{TOR}	=	Depth to top of coseismic rupture (km)
δ	=	Average dip of rupture plane (degrees)
V_{S30}	=	Average shear-wave velocity in top 30m of site profile
A_{1100}	=	PGA on rock with Vs30 = 1100 m/s (g)
$Z_{2.5}$	=	Depth of 2.5 km/s shear-wave velocity horizon (km)

Unnamed fault possible extention of Shays graben total possible length 11.0 km

CALCUATION OF GROUND MOTION FOR CAMPBELL-BOZORGNIA NGA MODEL (MAR 2008, EARTHQUAKE SPECTRA):

Explanatory Variables

M
5.84

R_{RUP}
57.40

R_{JB}
57.40

F_{RV}
0

F_{NM}
1

Z_{TOR}
3.00

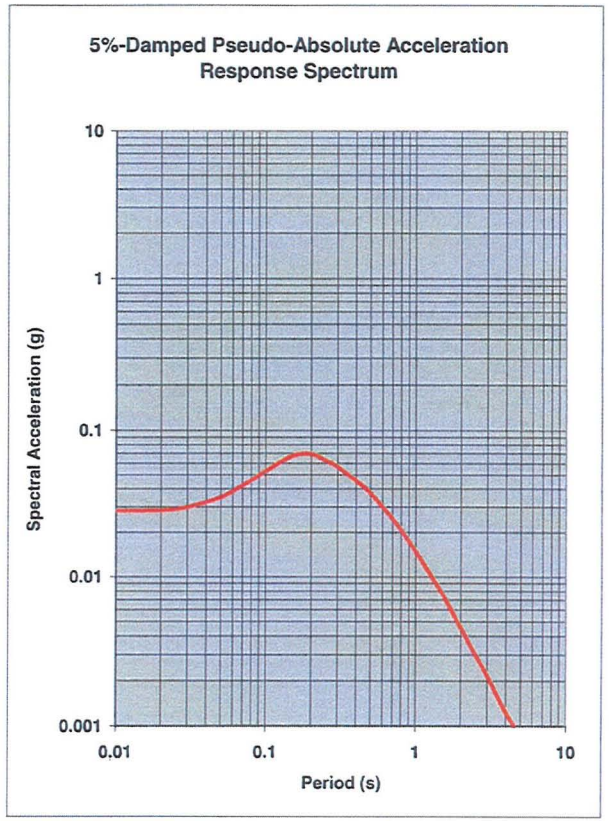
δ
60

V_{S30}
586

$Z_{2.5}$
0.00

Geometric Mean and Arbitrary Horizontal Components

GMP	T (s)	Median	α	σ	τ	σ_C	σ_T	σ_{Arb}	Median + sigma
PSA (g)	0.010	2.807E-02	-0.0081	0.4756	0.2190	0.1660	0.5236	0.5493	
	0.020	2.843E-02	-0.0084	0.4776	0.2190	0.1660	0.5254	0.5510	
	0.030	2.988E-02	-0.0101	0.4861	0.2350	0.1650	0.5399	0.5645	
	0.050	3.506E-02	-0.0158	0.5054	0.2580	0.1620	0.5675	0.5902	
	0.075	4.402E-02	-0.0184	0.5149	0.2920	0.1580	0.5919	0.6126	
	0.10	5.314E-02	-0.0181	0.5260	0.2860	0.1700	0.5988	0.6224	
	0.15	6.724E-02	-0.0139	0.5282	0.2800	0.1800	0.5978	0.6243	
	0.20	6.963E-02	-0.0086	0.5317	0.2490	0.1860	0.5871	0.6159	
	0.25	6.299E-02	-0.0039	0.5330	0.2400	0.1910	0.5845	0.6149	
	0.30	5.726E-02	-0.0001	0.5440	0.2150	0.1980	0.5849	0.6175	
	0.40	4.577E-02	0.0000	0.5410	0.2170	0.2060	0.5829	0.6182	
	0.50	3.760E-02	0.0000	0.5500	0.2140	0.2080	0.5902	0.6257	
	0.75	2.299E-02	0.0000	0.5680	0.2270	0.2210	0.6117	0.6504	
	1.0	1.505E-02	0.0000	0.5680	0.2550	0.2250	0.6226	0.6620	
	1.5	7.803E-03	0.0000	0.5640	0.2960	0.2220	0.6370	0.6745	
	2.0	4.608E-03	0.0000	0.5710	0.2960	0.2260	0.6432	0.6817	
	3.0	2.190E-03	0.0000	0.5580	0.3260	0.2290	0.6463	0.6856	
	4.0	1.268E-03	0.0000	0.5760	0.2970	0.2370	0.6481	0.6900	
	5.0	8.600E-04	0.0000	0.6010	0.3590	0.2370	0.7001	0.7391	
	7.5	3.784E-04	0.0000	0.6280	0.4280	0.2710	0.7600	0.8069	
	10.0	2.114E-04	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	
PGA (g)	0	2.807E-02	-0.0081	0.4756	0.2190	0.1660	0.5236	0.5493	0.049
PGV (c/s)	-1	1.554E+00	0.0000	0.4840	0.2030	0.1900	0.5248	0.5582	
PGD (cm)	-2	5.249E-01	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	



Calculated Variables

A_{1100}
2.283E-02

DEFINITION OF PARAMETERS:

PSA	=	Pseudo-absolute acceleration response spectrum (g; 5% damping)
PGA	=	Peak ground acceleration (g)
PGV	=	Peak ground velocity (cm/s)
PGD	=	Peak ground displacement (cm)
M	=	Moment magnitude
R_{RUP}	=	Closest distance to coseismic rupture (km)
R_{JB}	=	Closest distance to surface projection of coseismic rupture (km)
F_{RV}	=	Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM}	=	Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique and thrust; 1 for normal and normal-oblique
Z_{TOR}	=	Depth to top of coseismic rupture (km)
δ	=	Average dip of rupture plane (degrees)
V_{S30}	=	Average shear-wave velocity in top 30m of site profile
A_{1100}	=	PGA on rock with Vs30 = 1100 m/s (g)
$Z_{2.5}$	=	Depth of 2.5 km/s shear-wave velocity horizon (km)

Unnamed fault possible extention of Shays graben 1/2 total rupture 5.5 km

CALCUATION OF GROUND MOTION FOR CAMPBELL-BOZORGNIA NGA MODEL (MAR 2008, EARTHQUAKE SPECTRA):

Explanatory Variables

M
6.97

R_{RUP}
57.40

R_{JB}
57.40

F_{RV}
0

F_{NM}
1

Z_{TOR}
3.00

δ
60

V_{S30}
586

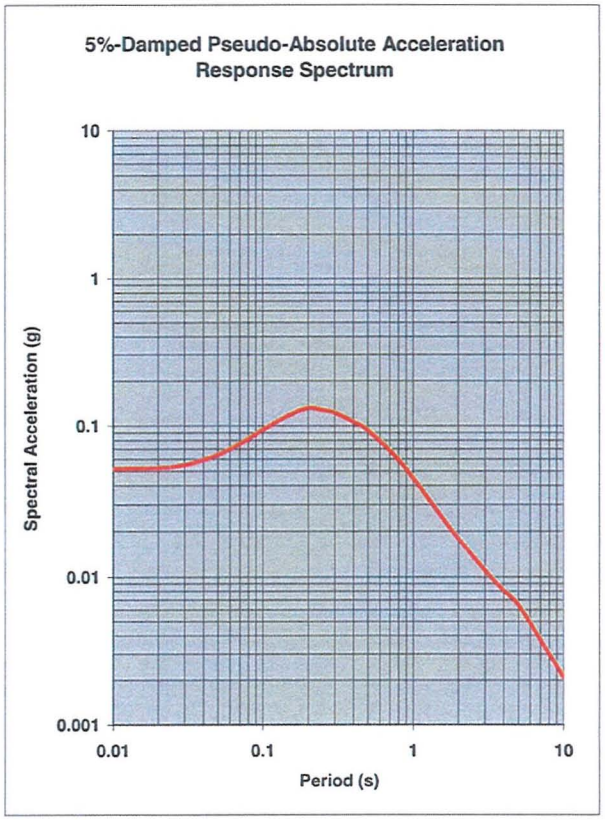
$Z_{2.5}$
0.00

Geometric Mean and Arbitrary Horizontal Components

GMP	T (s)	Median	α	σ	τ	σ_C	σ_T	σ_{Arb}	Median + sigma
PSA (g)	0.010	5.192E-02	-0.0148	0.4737	0.2190	0.1660	0.5219	0.5477	
	0.020	5.257E-02	-0.0152	0.4756	0.2190	0.1660	0.5236	0.5493	
	0.030	5.516E-02	-0.0184	0.4837	0.2350	0.1650	0.5378	0.5625	
	0.050	6.428E-02	-0.0285	0.5018	0.2580	0.1620	0.5642	0.5870	
	0.075	7.926E-02	-0.0333	0.5107	0.2920	0.1580	0.5883	0.6092	
	0.10	9.475E-02	-0.0327	0.5221	0.2860	0.1700	0.5953	0.6191	
	0.15	1.195E-01	-0.0252	0.5251	0.2800	0.1800	0.5951	0.6218	
	0.20	1.329E-01	-0.0157	0.5298	0.2490	0.1860	0.5854	0.6142	
	0.25	1.290E-01	-0.0071	0.5321	0.2400	0.1910	0.5838	0.6142	
	0.30	1.239E-01	-0.0001	0.5440	0.2150	0.1980	0.5849	0.6175	
	0.40	1.077E-01	0.0000	0.5410	0.2170	0.2060	0.5829	0.6182	
	0.50	9.478E-02	0.0000	0.5500	0.2140	0.2080	0.5902	0.6257	
	0.75	6.458E-02	0.0000	0.5680	0.2270	0.2210	0.6117	0.6504	
	1.0	4.566E-02	0.0000	0.5680	0.2550	0.2250	0.6226	0.6620	
	1.5	2.641E-02	0.0000	0.5640	0.2960	0.2220	0.6370	0.6745	
	2.0	1.814E-02	0.0000	0.5710	0.2960	0.2260	0.6432	0.6817	
	3.0	1.123E-02	0.0000	0.5580	0.3260	0.2290	0.6463	0.6856	
	4.0	8.208E-03	0.0000	0.5760	0.2970	0.2370	0.6481	0.6900	
	5.0	6.640E-03	0.0000	0.6010	0.3590	0.2370	0.7001	0.7391	
	7.5	3.412E-03	0.0000	0.6280	0.4280	0.2710	0.7600	0.8069	
	10.0	2.128E-03	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	
PGA (g)	0	5.192E-02	-0.0148	0.4737	0.2190	0.1660	0.5219	0.5477	0.090
PGV (c/s)	-1	5.196E+00	0.0000	0.4840	0.2030	0.1900	0.5248	0.5582	
PGD (cm)	-2	6.442E+00	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	

Calculated Variables

A_{1100}
4.252E-02



DEFINITION OF PARAMETERS:

PSA	=	Pseudo-absolute acceleration response spectrum (g; 5% damping)
PGA	=	Peak ground acceleration (g)
PGV	=	Peak ground velocity (cm/s)
PGD	=	Peak ground displacement (cm)
M	=	Moment magnitude
R_{RUP}	=	Closest distance to coseismic rupture (km)
R_{JB}	=	Closest distance to surface projection of coseismic rupture (km)
F_{RV}	=	Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM}	=	Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique and thrust; 1 for normal and normal-oblique
Z_{TOR}	=	Depth to top of coseismic rupture (km)
δ	=	Average dip of rupture plane (degrees)
V_{S30}	=	Average shear-wave velocity in top 30m of site profile
A_{1100}	=	PGA on rock with Vs30 = 1100 m/s (g)
$Z_{2.5}$	=	Depth of 2.5 km/s shear-wave velocity horizon (km)

CALCUATION OF GROUND MOTION FOR CAMPBELL-BOZORGNIA NGA MODEL (MAR 2008, EARTHQUAKE SPECTRA):

Explanatory Variables

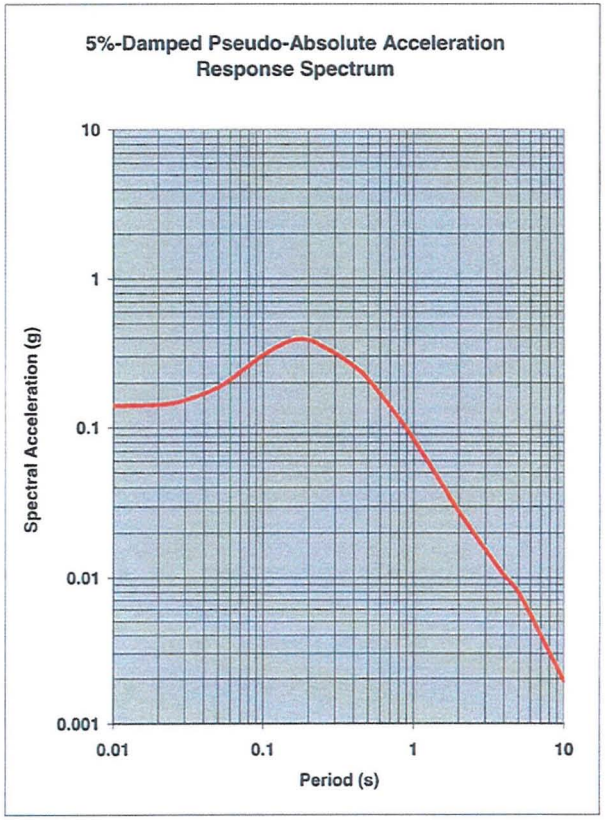
M	6.30
R_{RUP}	15.00
R_{JB}	15.00
F_{RV}	0
F_{NM}	1
Z_{TOR}	3.00
δ	60
V_{S30}	586
$Z_{2.5}$	0.00

Geometric Mean and Arbitrary Horizontal Components

GMP	T (s)	Median	α	σ	τ	σ_C	σ_T	σ_{Arb}	Median + sigma
PSA (g)	0.010	1.409E-01	-0.0372	0.4673	0.2190	0.1660	0.5161	0.5421	
	0.020	1.434E-01	-0.0383	0.4690	0.2190	0.1660	0.5176	0.5436	
	0.030	1.540E-01	-0.0461	0.4757	0.2350	0.1650	0.5306	0.5557	
	0.050	1.889E-01	-0.0707	0.4898	0.2580	0.1620	0.5536	0.5768	
	0.075	2.503E-01	-0.0825	0.4973	0.2920	0.1580	0.5767	0.5979	
	0.10	3.092E-01	-0.0813	0.5090	0.2860	0.1700	0.5838	0.6081	
	0.15	3.840E-01	-0.0634	0.5149	0.2800	0.1800	0.5861	0.6131	
	0.20	3.923E-01	-0.0399	0.5234	0.2490	0.1860	0.5796	0.6087	
	0.25	3.519E-01	-0.0182	0.5293	0.2400	0.1910	0.5811	0.6117	
	0.30	3.180E-01	-0.0003	0.5439	0.2150	0.1980	0.5849	0.6175	
	0.40	2.614E-01	0.0000	0.5410	0.2170	0.2060	0.5829	0.6182	
	0.50	2.138E-01	0.0000	0.5500	0.2140	0.2080	0.5902	0.6257	
	0.75	1.278E-01	0.0000	0.5680	0.2270	0.2210	0.6117	0.6504	
	1.0	8.480E-02	0.0000	0.5680	0.2550	0.2250	0.6226	0.6620	
	1.5	4.485E-02	0.0000	0.5640	0.2960	0.2220	0.6370	0.6745	
	2.0	2.844E-02	0.0000	0.5710	0.2950	0.2260	0.6432	0.6817	
	3.0	1.581E-02	0.0000	0.5580	0.3260	0.2290	0.6463	0.6856	
	4.0	1.061E-02	0.0000	0.5760	0.2970	0.2370	0.6481	0.6900	
	5.0	8.060E-03	0.0000	0.6010	0.3590	0.2370	0.7001	0.7391	
	7.5	3.546E-03	0.0000	0.6280	0.4280	0.2710	0.7600	0.8069	
	10.0	1.982E-03	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	
PGA (g)	0	1.409E-01	-0.0372	0.4673	0.2190	0.1660	0.5161	0.5421	0.242
PGV (c/s)	-1	8.793E+00	0.0000	0.4840	0.2030	0.1900	0.5248	0.5582	
PGD (cm)	-2	4.919E+00	0.0000	0.6670	0.4850	0.2900	0.8247	0.8742	

Calculated Variables

A_{1100}
1.183E-01



DEFINITION OF PARAMETERS:

PSA	= Pseudo-absolute acceleration response spectrum (g; 5% damping)
PGA	= Peak ground acceleration (g)
PGV	= Peak ground velocity (cm/s)
PGD	= Peak ground displacement (cm)
M	= Moment magnitude
R_{RUP}	= Closest distance to coseismic rupture (km)
R_{JB}	= Closest distance to surface projection of coseismic rupture (km)
F_{RV}	= Reverse-faulting factor: 0 for strike slip, normal, normal-oblique; 1 for reverse, reverse-oblique and thrust
F_{NM}	= Normal-faulting factor: 0 for strike slip, reverse, reverse-oblique and thrust; 1 for normal and normal-oblique
Z_{TOR}	= Depth to top of coseismic rupture (km)
δ	= Average dip of rupture plane (degrees)
V_{S30}	= Average shear-wave velocity in top 30m of site profile
A_{1100}	= PGA on rock with Vs30 = 1100 m/s (g)
$Z_{2.5}$	= Depth of 2.5 km/s shear-wave velocity horizon (km)

Attachment F

CEDCFHRRSDLDT

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October 9, 2008

VIA PDF AND FEDERAL EXPRESS

Mr. Dane L. Finerfrock
Executive Secretary
Utah Radiation Control Board
State of Utah Department of Environmental Quality
168 North 1950 West
Salt Lake City, UT 84114-4850

Re: White Mesa Uranium Mill; Radioactive Material License No. UT1900479 – Interim Variance Requested Relating to Freeboard Limit Calculations for Tailings Cells

Dear Mr. Finerfrock:

Further to our recent discussions with Mr. Loren Morton of your office, Denison Mines (USA) Corp. ("Denison") would like to request an interim variance from an existing condition of its State of Utah Radioactive Materials License No. UT1900479 (the "License") and ancillary documents relating to freeboard limits for Tailings Cells 3 and 4A at the White Mesa uranium mill (the "Mill'), as described in more detail below.

1. **Background Information**

The tailings impoundment system at the Mill is comprised of four cells. Tailings Cell 1, which is an evaporation pond, was completed and put into use in June 1981. Tailings Cell 2 was completed and put into use in May 1980, and is currently full and covered with interim cover. Tailings Cell 3 was completed and put into use in September 1982 and is currently active, although it is getting close to becoming filled. Tailings Cell 4A was constructed and put into use in 1989 and was used for a short period of time to receive tailings solutions until Mill operations ceased in 1991, due to low commodity prices. Cell 4A fell into disrepair after that time. All of the tailings solutions and residual crystals were removed from the Cell in 2006. Cell 4A has since been re-lined and was authorized by the Executive Secretary for use on September 17, 2008.

Freeboard limits for the tailings cells are set out in the License, in the Mill's State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP"), in the Mill's *Cell 4A BAT Monitoring, Operations and Maintenance Plan* (the "BAT Plan") and in the *White Mesa Mill Tailings Management System and Discharge Minimization Technology (DMT) Monitoring Plan* (the "DMT Plan"), as follows:

(a) License

License condition 10.3 provides that the freeboard limit for Cell 1 shall be set annually in accordance with the procedures set out in Appendix E of the previously approved NRC license application, including the January 10, 1990 Drainage Report. This is currently being done, and there are no issues associated with that calculation. The license condition also states that the freeboard limit for Cell 3 shall be recalculated annually in accordance with the procedures set in the October 13, 1999 revision to the Drainage Report. As discussed below, these procedures no longer make sense for Cell 3, and an interim variance is requested, pending revisions to the procedures. License condition 10.3 does not contain a freeboard limit for Cell 2, since that cell is full and covered with interim cover, nor does it contain a freeboard limit for Cell 4A. Previous versions of License condition 10.3 did prescribe a freeboard limit calculation for Cell 4A. However, reference to Cell 4A was taken out of License condition 10.3 when Cell 4A was taken out of service and was not added back in when Cell 4A was recently authorized to be put back into use. Adding reference to Cell 4A back into License condition 10.3 will be one of the requests for amendment, discussed in Section 3 below.

The January 10, 1990 Drainage Report established the PMP Flood Volume Requirement to be handled in Cells 2 and 3 as 123.4 acre feet, and for Cell 4A as 36 acre feet. Since Cell 2 is full, all of the volume requirement for Cells 2 and 3 must be handled in Cell 3 or other active tailings cells. The Drainage Report also established a wave run up factor for Cell 3 of 0.78 feet and for Cell 4A of 0.77 feet.

The procedures prescribed under License condition 10.3 require that the pool area in Cell 3 be calculated at the beginning of each annual period (historically, October 1 to September 30). An adjustment is then made to reduce the pool area during the period as a result of the expected deposit of tailings solids into the cell during the period. The PMP Flood Volume Requirement of 123.4 acre feet is then divided by the reduced pool area in Cell 3 to determine the PMP freeboard level for that cell. The wave run up factor of 0.78 feet is then added to determine the total required freeboard for Cell 3. For the period October 1, 2006 to September 30, 2007 the pool area in Cell 3 was determined to be 24.0 acres at the start of the period, and was reduced to 21.3 acres as a result of the expected deposit of tailings solids into the cell during the period. Dividing the 123.4 acre feet by 21.3 acres yielded a freeboard limit of 5.8 feet. The wave run up factor of 0.78 feet was added to this to result in a total required freeboard limit in Cell 3 of 6.6 feet below the top of the flexible membrane liner ("FML").

(b) GWDP

Parts I.D.2 and I.D.6(d) of the GWDP provide that under no circumstances shall the freeboard in Cells 1, 3 or 4A be less than three feet, as measured from the top of the FML.

(c) BAT Plan

The freeboard calculations for Cell 3 for the period October 1, 2006 to September 30, 2007 and for Cell 4A for the period July 1, 2008 to June 30, 2009 are attached to the BAT Plan.

(d) DMT Plan

Section 6.3 of the DMT Plan summarizes the steps to be taken to calculate the freeboard limits for Cell 3 as required under License condition 10.3 and sets out the freeboard limit calculation for Cell 4A.

For Cell 4A, the January 10, 1990 Drainage Report sets the flood volume from the PMP event over the Cell 4A area at 36 acre feet, and the wave run up factor at 0.77 feet. However, because the Cell

4A design includes a concrete spillway between Cell 3 and Cell 4A, with the invert elevation 4 feet below the top of the Cell 3 FML, should Cell 3 receive the full PMP volume of 123.4 acre feet for Cells 2 and 3, some of that volume would flow through the spillway into Cell 4A. The volume that will flow over into Cell 4A will depend on the pool area in Cell 3 and can be calculated as the pool area in Cell 3 multiplied by 3.22 feet (i.e., the elevation difference between the top of the FML in Cell 3 and the top of the spillway between Cell 3 and Cell 4A of 4 feet, less the wave run up factor of 0.78 feet). Based on the calculations for the October 1, 2006 to September 30, 2007 period, this volume was calculated to be 61.6 acre feet. This means that Cell 4A had to accommodate a total PMP volume of 97.6 acre feet. Since Cell 4A has its total 40-acre area as a pool area, the total required freeboard for Cell 4A was calculated to be 3.2 feet (i.e., the quotient of 97.6 acre feet divided by 40 acres, which equals 2.44 feet, plus the wave run up factor of 0.77 feet).

2. Problems with Existing Requirements

There are two problems with the existing requirements. First, as a tailings cell gets filled with tailings solids, the pool area gets smaller, and, as a tailings cell gets closer to being filled to its capacity with solids the freeboard can be limited dramatically. However, in the case of Cell 3, where there is a spillway to Cell 4A, so long as enough freeboard is retained in Cell 4A for the PMP volume for all of Cells 2, 3 and 4A, there is no need to dramatically limit the freeboard level in Cell 3. For example, using the calculations for the period October 1, 2008 to September 30, 2009, based on planned production at the Mill, the pool area in Cell 3 would be expected to decrease such that the required freeboard limit in Cell 3 for the period would be more than 15 feet below the FML, which presents an almost unworkable situation because of the small pool area. This places an unnecessarily restrictive freeboard limit on Cell 3 when there is ample room in Cell 4A to allow for the entire PMP volume for all three cells.

Second, License condition 10.3 needs to be amended to include reference to Cell 4A.

3. Submission of Request to Amend License and Ancillary Documents

Denison will submit to the Executive Secretary an application to amend License condition 10.3 to include reference to Cell 4A, and to amend the manner of calculating freeboard limits in the tailings cells that addresses these problems. This will include any necessary amendments to the BAT Plan and the DMT Plan. This submission will be made on or before December 5, 2008.

4. Interim Variance Requested

In the interim, until the revised manner of calculating the freeboard limits in the tailings cells is approved by the Executive Secretary, Denison hereby requests a variance from the existing License condition requirements and ancillary requirements in the BAT Plan and DMT Plan, such that the freeboard limits in the tailings cells will be set as follows:

(a) Tailings Cell 1 – the freeboard limit will continue to be set at 5,615.4 feet mean sea level ("FMSL"), which is the level currently required by the application of License condition 10.3;

(b) Tailings Cell 2 – the freeboard limit will continue to be inapplicable, since Cell 2 is filled with solids; all of the PMP volume associated with Cell 2 will continue to be attributed to Cell 3 and/or Cell 4A;

(c) Tailings Cell 3 – the freeboard limit will be set at 5,602.5 FMSL, which is two feet below the spillway between Cell 3 and Cell 4A and 6 feet below the top of the FML in Cell 3; and

(d) Tailings Cell 4A – the freeboard limit will be set assuming that the total PMP volume for Cells 2, 3 and 4A of 159.4 acre feet will be accommodated in Cell 4A. At this time, given that the total 40-acre surface area of Cell 4A is a pool area, the required freeboard limit in Cell 4A will be set at 5,593.74 FMSL, which is 4.76 feet below the FML (being the quotient

of 159.4 acre feet divided by 40 acres, which equals 3.985 feet, plus the wave run up factor for Cell 4A of 0.77 feet).

This is considered to be conservative, because in addition to Cell 4A, which will be assumed to capture the entire PMP volume for all 3 cells, Cell 3 will also have some freeboard capacity. This is the pool area in Cell 3 times 2 feet, plus the fact that the average elevation of the solids in Cell 3 (i.e. the non-pool area in Cell 3) is lower than the spillway between Cell 3 and Cell 4A, thus providing some additional PMP volume capacity in Cell 3.

If you have any questions or require any further information, please contact the undersigned.

Yours truly,

David C. Frydenlund
Vice President Regulatory Affairs and Counsel

cc: Ron F. Hochstein
Harold R. Roberts
Steven D. Landau
David E. Turk

DENISON MINES

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

State of Utah

Department of
Environmental Quality

Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF RADIATION
CONTROL
Dane L. Finerfrock
Director

FILE
NOV 2008
SR

November 20, 2008

David C. Frydenlund
Vice President and General Counsel
Denison Mines (USA) Corp. (DUSA)
1050 Seventeenth Street, Suite 950
Denver, CO 80265

Dear Mr. Frydenlund:

SUBJECT: October 9, 2008 DUSA Letter: Interim Variance Requested Relating to Freeboard Limit Calculations for Tailings Cells White Mesa Uranium Mill; Radioactive Materials License No. UT1900479: **Conditional Approval**

We received your letter on the subject dated October 9, 2008 subject as above. We have reviewed this request, and **hereby approve an interim license variance** establishing a temporary freeboard limit for tailings cells 3 and 4A, subject to the conditions below.

The temporary freeboard limit for cell 3 will now be 5,602.5 fmsl, being 2-feet below the spillway elevation to cell 4A. The temporary freeboard limit for cell 4A will now be 5,593.74 fmsl, being 4.76 feet below the top FML of the lowest or southern dike. This interim variance is for the period between the current date and DRC approval of an application to amend license condition 10.3. DUSA is to submit this application on or before December 5, 2008.

Currently DUSA is experiencing problems associated with the values obtained using the current method of calculating the freeboard limit for cell 3. The current method yields an excessively large freeboard limit. Also, as you point out, there is no currently approved method to calculate the freeboard limit for cell 4A.

Conditions of variance approval:

1. DUSA will submit an application to amend the license (hereafter AAL) with revised freeboard calculation methods for cell 3 and for cell 4A, on or before December 5, 2008.

2. The AAL will include all needed corresponding revisions to the *Cell 4A BAT Monitoring, Operations and Maintenance Plan* (O&M Plan) and the *White Mesa Mill Tailings Management System; and Discharge Minimization Technology (DMT) Monitoring Plan* (DMT Plan).

3. The AAL will clarify and fully describe the mathematical basis for reducing pool surface areas based on the future dry tons of tailings projected to be processed; i.e. the conversion of tonnage volume (three dimensional) to surface area consumed (two dimensional).

4. The AAL will submit the proposed freeboard calculations for cell 3 and 4A using the current tailings output projection and pool areas as applicable.

Please contact Mr. David Rupp, if you have any questions on the above.

UTAH RADIATION CONTROL BOARD

Dane Finerfrock
Executive Secretary

DLF:LBM:DAR: dr

Cc: Harold Roberts, DUSA

F:\DUSA\License&Tickler File\Interim Variance on Freeboard 11-20-08.doc

Attachment G

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 21, 2000

JUL

Ms. Michelle Rehmann, Environmental Manager
International Uranium (IUSA) Corporation
Independence Plaza, Suite 950
1050 Seventeenth Street
Denver, Colorado 80265

SUBJECT: AMENDMENT 15 TO MATERIALS LICENSE SUA-1358 -- APPROVAL OF REVISION TO RECLAMATION PLAN AT THE WHITE MESA URANIUM MILL

Dear Ms. Rehmann:

In IUSA's letter dated May 5, 2000, IUSA requested that the NRC approve a modification to the reclamation plan in order to allow for additional cell space. Subsequently, IUSA and NRC staff held several telephone conference calls to discuss the need for IUSA to submit additional detail. IUSA provided this detail by letter dated July 7, 2000. Based on IUSA's Tailings Capacity Study conducted in May 2000, IUSA identified a 200,000 cubic yards (CY) shortfall in existing storage capacity in the Tailings Management System, assuming that reclamation materials and processed materials were disposed in Cell 2 or Cell 3. IUSA has proposed to handle additional volume by the addition of space within the Cell 1-I impoundment area. This alternative would allow for the placement of approximately 280,000 CY of material from the mill site cleanup along the north slope of the Cell 2 dike, within a portion of the current Cell 1-I. Cell 1-I Tailings Area will be lined with a minimum of 12 inches and up to 18 inches of compacted clay. IUSA has determined that the placement of these materials in the Cell 1-I Tailings Area will effectively create an extension of the Cell 2 disposal area. There would be no greater radiological content, and thus the radon cap design would remain the same. With this revision to the reclamation plan, IUSA has estimated the surety amount at $10,064,794, which is an increase from the current surety amount of $9,682,467.

The staff has determined that your proposal is acceptable, and has amended your license accordingly. We have enclosed the amended license (enclosure 1) and our Technical Evaluation Report (enclosure 2) that provides our bases for granting the amendment. The staff evaluation used the "Standard Review Plan for the Reclamation for Mill Tailings Sites Under Title II of the Uranium Mill Tailings Radiation Control Act" (NUREG-1620, NRC June 2000) and requirements under 10 CFR Part 40 to review your proposal. Further, the staff determined that this expansion meets the requirements for a categorical exclusion under 10 CFR 51.22 (c)(11) and, therefore, no environmental assessment has been prepared. In addition, the staff has approved your proposed revision to the financial surety arrangement, increasing the current amount to $10,064,794. Therefore, we have revised License Condition 9.11 as follows:

9.11: The final reclamation shall be in accordance with the May 1999, Reclamation Plan Revision 2.0, Attachment A submitted on June 22, 1999, and Revision 3.0 submitted on July 7, 2000, and July 17, 2000. Prior to the placement of alternate feed material, the licensee shall determine that adequate cell space is available for that additional material. This determination shall be made by a SERP approved procedure.

[Applicable Amendments 13, 15]

We have revised License Condition 9.5 as follows:

9.5 The licensee shall maintain an NRC-approved financial surety arrangement, consistent with 10 CFR 40, Appendix A, Criteria 9 and 10, adequate to cover the estimated costs, if accomplished by a third party, for decommissioning and decontamination of the mill and mill site, for reclamation of any tailings or waste disposal areas, ground-water restoration as warranted and for the long-term surveillance fee. Within three months of NRC approval of a revised reclamation/decommissioning plan, the licensee shall submit, for NRC review and approval, a proposed revision to the financial surety arrangement if estimated costs in the newly approved plan exceed the amount covered in the existing financial surety. The revised surety shall then be in effect within 3 months of written NRC approval.

Annual updates to the surety amount, required by 10 CFR 40, Appendix A, Criteria 9 and 10, shall be submitted to the NRC at least 3 months prior to the anniversary date which is designated as June 4 of each year. If the NRC has not approved a proposed revision to the surety coverage 30 days prior to the expiration date of the existing surety arrangement, the licensee shall extend the existing surety arrangement for 1 year. Along with each proposed revision or annual update, the licensee shall submit supporting documentation showing a breakdown of the costs and the basis for the cost estimates with adjustments for inflation, maintenance of a minimum 15 percent contingency fee, changes in engineering plans, activities performed and any other conditions affecting estimated costs for site closure. The basis for the cost estimate is the NRC approved reclamation/decommissioning plan or NRC approved revisions to the plan. The previously provided guidance entitled "Recommended Outline for Site Specific Reclamation and Stabilization Cost Estimates" outlines the minimum considerations used by the NRC in the review of site closure estimates. Reclamation/decommissioning plans and annual updates should follow this outline.

The currently approved surety instrument, a Performance Bond issued by National Union Fire Insurance Company in favor of the NRC, and the associated Standby Trust Agreement, dated April 29, 1997, shall be continuously maintained in an amount not less than $10,064,794 for the purpose of complying with 10 CFR 40, Appendix A, Criteria 9 and 10, until a replacement is authorized by the NRC.

[Applicable Amendments: 2, 3, 5, 13, 15]

Therefore, this office must receive an updated surety in this amount within 90 days of this letter.

If you have any questions regarding this letter or the enclosures, please contact William von Till, the NRC Project Manager for the White Mesa mill, at (301) 415-6251. He can be reached by e-mail to RWV@nrc.gov.

Sincerely,

Philip Ting, Chief
Fuel Cycle Licensing Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No. 40-8681
SUA-1358, Amendment No. 15
Enclosure 1: Source Material License SUA-1358
Enclosure 2: Technical Evaluation Report
cc: W. Sinclair, UT
C.Crist, Ute Mountain Ute Tribe EPA
Terry Brown, US EPA Region VIII

Attachment H

HYDRO GEO CHEM, INC.
Environmental Science & Technology

February 8, 2010

David Frydenlund, Esq.
Denison Mines (USA) Corporation
1050 17th Street, Suite 950
Denver, Colorado 80265

Dear Mr. Frydenlund,

This letter provides a response to the URS Round 2 Interrogatory Statement regarding the Groundwater Discharge Permit for proposed tailings Cell 4B (Figure 1) at the White Mesa Uranium Mill site (the site). In particular, this letter addresses concerns over 1) an apparent ridge-like feature in the top of the Brushy Basin defined by former perched well MW-16 and 2) conglomeratic zones and/or lenses that may exist in the Dakota Formation and how these features may impact groundwater monitoring beneath proposed Cell 4B. Perched groundwater beneath proposed Cell 4B occurs within the lower portion of the Burro Canyon Formation, which underlies the Dakota Formation. The Dakota Formation and the upper portion of the Burro Canyon Formation beneath proposed Cell 4B are unsaturated.

Overview

The Interrogatory expresses concern about 1) the apparent ridge-like feature in the top of the Brushy Basin and 2) conglomeratic zones and/or lenses in the Dakota Formation and "*how these features could locally influence groundwater flow patterns beneath Cell 4B, as this relates to the number and placement of proposed new monitoring wells downgradient of Cell 4B and their ability to allow detection of any potential future releases from the disposal cell areas, including Cell 4B.*" The Interrogatory requests an explanation of how conglomeratic zones "*at shallow unsaturated depths would not cause contaminants to bypass the screened interval of the proposed monitoring wells*" and also requests "*a map of the anticipated groundwater flow directions that could result from the structural 'ridge' in the upper Brushy Basin Formation upper contact beneath and near Cell 4B.*"

51 West Wetmore, Suite 101 Tucson, Arizona 85705-1678 520.293.1500 520.293.1550-Fax 800.727.5547-Toll Free

In addition, the Interrogatory requests the development of geologic cross-sections "*depicting the three-dimensional configuration of the contact between the Brushy Basin and the Burro Canyon formations representing the area beneath and downgradient of the Cell 4B footprint.*" These cross-sections are to *" include information on the locations and distribution of any conglomerate zones and/or lenses that may exist beneath the Cell 4B area that might influence groundwater flow paths beneath Cell 4B."*

The apparent ridge-like feature in the top of the Brushy Basin is defined by MW-16 and upgradient wells MW-05, MW-12, and MW-30, as shown in Figure 2. A valley-like feature defined by wells MW-11, MW-14, MW-15, and MW-31 occurs to the east of this ridge-like feature. A drop in elevation of the contact between MW-12 and MW-23, located west of MW-12, may reflect a corresponding valley-like feature to the west of the ridge-like feature, although this cannot be determined by this single data point. The ridge-like feature is likely higher in elevation than the perched water table in the vicinity of MW-16, which is consistent with the typically dry condition at MW-16 when the well was in use.

Because this ridge-like feature may rise above the perched water table near MW-16, any seepage that may occur from proposed Cell 4B could presumably encounter the dry portion of this ridge before encountering the perched water table, and migrate locally in a direction non-parallel to the generally southwesterly direction of perched water flow. Once the seepage migrated off the ridge-like feature and encountered perched water, however, it would be expected to migrate with the perched water in a generally southwesterly direction.

Logging of drill cuttings and core samples recovered during drilling, and hydraulic testing of numerous vertical and three angle borings at the White Mesa site, have shown that relatively thin, conglomeratic portions of the Burro Canyon Formation are in some cases associated with higher permeabilities. Known conglomeratic zones affecting perched groundwater flow have been identified primarily through hydraulic testing of monitoring wells screened within the Burro Canyon Formation, which hosts most of the perched groundwater beneath the site. The most continuous of these identified zones is within the saturated Burro Canyon Formation and associated with the elevated chloroform detected upgradient and cross-gradient (northeast and east) of the existing tailing cells. Similar zones significant enough to impact groundwater movement in the Dakota Formation or unsaturated Burro Canyon Formation have not been identified and are not considered to be of concern in the vicinity of proposed Cell 4B.

Brushy Basin/Burro Canyon Contact Geometry near Proposed Cell 4B

As discussed in the Overview, the approximate top of the Brushy Basin surface (the contact between the Brushy Basin and overlying Burro Canyon Formation) and the apparent ridge-like feature in the Brushy Basin surface beneath proposed Cell 4B is shown in Figure 2. Figure 3 is a perched water level contour map based on 4th quarter, 2009 water level measurements. The map also shows the area beneath proposed Cell 4B that is estimated to be dry. Former well MW-16 is located

within this area as shown on Figure 3. The dry area represents the intersection of the kriged water level data with the kriged top of the Brushy Basin data.

As shown, the dry area is estimated to have a relatively small areal extent of less than 10 percent of the area of the proposed Cell 4B footprint. Water flowing in a generally southwesterly direction beneath the proposed tailings cell is expected to flow around the dry area and then continue in a southwesterly direction. The available data do not suggest that this dry area will have a significant impact on perched water flow beneath proposed Cell 4B. Any seepage encountering the relatively small dry area would be expected to migrate off the area, encounter perched water, then migrate with the perched water in a generally southwesterly direction. Therefore, the dry area is unlikely to impact the ability of groundwater monitoring wells to detect any seepage in a timely fashion.

Lithologic Data Specific to the Area of Proposed Cell 4B

Former well MW-16 (Figure 1) is the only boring known to exist within the proposed Cell 4B footprint. A second boring (Boring #19; Dames and Moore, 1978[1]) is reported in the previous Interrogatory to be located near the proposed Cell 4B footprint. Examination of the MW-16 log indicates only one interval (between depths of approximately 43 and 47 feet) that is reported to contain conglomeratic material as well as sandstone and siltstone. Examination of the Boring #19 log indicates two conglomeratic intervals. One interval, approximately 2 feet thick, is reported at a depth of 46 feet. A second deeper interval, located between approximately 80 and 85 feet, is ambiguously described as "*moderately well-cemented conglomerate or fractured sandstone*". Copies of logs for MW-16 and Boring #19 are in Appendix A.

Hydraulic testing of MW-16 included four down-hole constant head packer tests. All tests were conducted within the vadose zone (Dakota Formation and unsaturated Burro Canyon Formation). Estimated horizontal hydraulic conductivities ranged from 2.9×10^{-5} centimeters per second (cm/s) to 9.1×10^{-4} cm/s, as shown in the attached log (Appendix A). The estimated hydraulic conductivity within the reported conglomeratic interval of 5.1×10^{-5} cm/s is within the middle of this range of estimated conductivities and does not indicate enhanced permeability.

Other wells in the immediate vicinity of proposed Cell 4B include MW-5, MW-12, MW-15, and MW-23. Well MW-3 and adjacent well MW-3A are located approximately 2,200 feet downgradient of proposed Cell 4B. Detailed logs are available for wells MW-3A and MW-23 and are provided in Appendix A. No conglomeratic zones are reported within the log of MW-23. Intervals of conglomeratic material are reported at depths of approximately 30 - 32.5 feet, 35 - 37.5 feet, 42.5 - 47.5 feet, 50 - 52.5 and 57.5 – 60 feet within the vadose zone of MW-3A. Conglomeratic material is reported within the saturated interval near the base of MW-3A. Perched zone hydraulic

[1] Dames and Moore. 1978. Environmental Report. White Mesa Uranium Project, San Juan County, Utah. Submitted to Energy Fuels Nuclear, Inc.

conductivity estimates at MW-3, located adjacent to MW-3A, range from 4.0 x 10^{-7} to 4.3 x 10^{-5} cm/s depending on the solution method (HGC, 2002[2]). These estimates do not indicate enhanced permeability of the saturated conglomeratic material.

HGC, 2001[3] discusses the results of a 1994 drilling program that consisted of the installation of three perched zone monitoring wells and four angle borings beneath Cell #3 and Cell #4A. Work (performed primarily by Peel Environmental Services) included coring, lithologic logging, geophysical logging, and video logging of the borings and field and laboratory permeability testing of the Dakota Sandstone, Burro Canyon Formation, and underlying Brushy Basin shale. Based on examination of core samples, the video logs, and interpretation of raw data collected during field permeability tests, the following observations were made:

1) The Dakota and Burro Canyon sandstones are predominantly composed of hard, fine- to medium-grained, locally cross-bedded sandstones with interbedded conglomeratic layers and layers of shale or claystone.
2) Few fractures are present in the cores or are observable in the video logs. Where present fractures in cores are closed and/or sealed with gypsum. Partings in the cores are primarily related to bedding planes and shale or clay interbeds.
3) Video logs show conglomeratic zones, occasional cross-bedding features, and scour features within planes perpendicular to the direction of drilling. These scour features, which often appear on only one side of the boring, are most likely related to scouring by the drill bit.
4) Video logs also show washouts in claystones, small washouts parallel to bedding planes in sandstone, and smaller washouts of finer-grained matrix material surrounding clasts in conglomeratic zones.

Hydraulic testing of angle borings GH-94-1, GH-94-2A, and GH-94-3 consisted of 16 down-hole constant head packer tests. Most of the tests in borings GH-94-1 and GH-94-2A (angled beneath tailings Cell #3) were conducted within the vadose zone. Only the Brushy Basin was tested in boring GH-94-3 (angled beneath Cell 4A) so this boring is not discussed further. Estimated horizontal hydraulic conductivities of the Dakota Formation ranged from 5.9 x 10^{-6} cm/s to 8.8 x 10^{-5} cm/s. Estimated horizontal hydraulic conductivities of the underlying Burro Canyon Formation ranged from 4 x 10^{-5} cm/s to 6.3 x 10^{-4} cm/s. Less than half of the higher conductivities occurred in materials reported to be conglomeratic. Three of the tests reported to be conducted in conglomeratic material yielded conductivity estimates less than 10^{-5} cm/s, and only one yielded a conductivity estimate greater than 10^{-5} cm/s. A fifth test, where core was lost and the log speculates the presence of conglomerate, also yielded a conductivity estimate greater than 10^{-5} cm/s. However, this test was conducted at a depth of greater than 103 feet (down boring), likely near the saturated zone.

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[2] Hydro Geo Chem, Inc. 2002. Hydraulic Testing at the White Mesa Uranium Mill Near Blanding Utah During July 2002. Submitted to International Uranium (USA) Corporation.

[3] Hydro Geo Chem, Inc. 2001. Letter to Mr. Harold Roberts, International Uranium (USA) Corporation.

An important result of testing the angle borings is that within the vadose zone, the highest conductivities occur at depths greater than 70 feet (down boring) and within the Burro Canyon Formation. Estimated hydraulic conductivities shallower than 70 feet (down boring) are less than 10^{-4} cm/s (in the 10^{-6} cm/s to 10^{-5} cm/s range). Therefore, the shallower portion of vadose zone bedrock beneath existing tailings Cell #3 is composed of lower permeability materials.

Overall, the available borehole data near proposed Cell 4B indicate a poor correlation between conglomeratic intervals and enhanced permeability. Furthermore, the one (possibly two) reported zone(s) of higher permeability associated with conglomeratic materials exist(s) near the saturated Burro Canyon Formation. In the area cross gradient to upgradient (east to northeast) of the tailings cells, where chloroform has been detected, there also appears to be an association between higher permeability and conglomeratic materials within the deep saturated Burro Canyon Formation, at least in the vicinity of MW-4. However, the data from the vicinity of proposed Cell 4B do not indicate a consistent association between conglomeratic materials and higher permeability in the vadose zone.

Furthermore, should unidentified high permeability conglomeratic layers exist within the vadose zone beneath proposed Cell 4B, they would likely be beneficial with regard to timely detection of any seepage that may occur. Interbedded high permeability layers or lenses are expected to be sub-horizontal and act to spread any seepage entering them over a wider area. This would reduce the chances that any seepage originating from a highly localized source could pass undetected between perched monitoring wells.

Cross Sections and Supporting Data

The Interrogatory requests geologic cross sections depicting the area beneath and downgradient of proposed Cell 4B and various supporting data that include core logs, boring logs, vadose and saturated zone permeability test results, and maps showing the locations of borings and wells in the vicinity of proposed Cell 4B. Logs of Boring #19, MW-3A, MW-16, and MW-23 are located in Appendix A. The requested cross-sections and other supporting information will be provided under separate cover.

Conclusions and Recommendations

An apparent ridge-like feature in the top of the Brushy Basin surface may rise above the perched water table in the vicinity of former well MW-16, located within the footprint of proposed Cell 4B. The estimated extent of the dry area is relatively small, representing less than 10 percent of the area of the proposed Cell 4B footprint. Water flowing in a generally southwesterly direction beneath the proposed tailings cell is expected to flow around the dry area and then continue in a southwesterly direction. The available data do not suggest that this dry area will have a significant impact on perched water flow beneath proposed Cell 4B. Any seepage that contacted and migrated

off the ridge-like feature and encountered perched water would then be expected to migrate with the perched water in a generally southwesterly direction.

Available lithologic and hydraulic test data from the immediate vicinity of proposed Cell 4B do not indicate an association between conglomeratic materials and higher permeability in the vadose zone. Furthermore, based on lithologic logs of MW-16 (located beneath proposed Cell 4B), Boring #19 (reported to be near proposed Cell 4B), and MW-23 (located at the northwest corner of proposed Cell 4B), conglomeratic zones significant enough to impact groundwater movement in the vadose zone have not been identified and are not considered to be of concern in the vicinity of proposed Cell 4B.

Furthermore, should unidentified high permeability conglomeratic layers exist within the vadose zone beneath proposed Cell 4B, they would likely be beneficial with regard to timely detection of any seepage that may occur. Interbedded conglomeratic layers or lenses are expected to be sub-horizontal and act to spread any seepage entering them over a wider area. This would reduce the chances that any seepage originating from a highly localized source could pass undetected between perched monitoring wells.

Installation of MW-33 and MW-34, the two wells initially proposed to monitor Cell 4B (as shown in Figure 4), is recommended. These wells should be screened over the entire perched saturated thickness and have screens extending into the vadose zone to allow for any potential fluctuations in water table elevation. Installation of these wells will provide information to better define the ridge-like feature encountered near MW-16 which is poorly defined downgradient (southwest) of MW-16 and downgradient of proposed Cell 4B. Based on the lithologic and water elevation data obtained from these two wells, a decision can be made as to whether a third new well (possible well MW-35 on Figure 4) to the west of Cell 4B is needed. If needed, the best placement for that well can be selected based on the additional data.

In assessing the need for a third well the leak detection system that will be integrated into Cell 4B should be considered. HGC's understanding is that this system will be more robust than systems installed at tailings Cells #1, #2, and #3 at the site and will further reduce the potential for an undetected leak. Because the density of the current monitoring network is based on the presumably less robust leak detection systems at existing tailings Cells #1, #2, and #3, and because the two wells proposed initially were an extension of the existing monitoring density, the two wells initially proposed are considered adequate.

The available data and the leak detection system to be integrated into Cell 4B suggest that installation of a third well (MW-35) is likely redundant. However, installation of MW-35 should address any concerns about potentially complex migration patterns beneath proposed Cell 4B. Assessing the potential for western migration is of concern because of the lack of existing monitoring wells in that direction and the lack of information about saturated thicknesses to the west. Any potential seepage contacting and migrating off the dry portion of the ridge-like feature to the west of proposed Cell 4B is expected to encounter perched water and migrate southwest toward proposed well MW-33. Should potential seepage migrate unexpectedly northwest it should encounter

possible well MW-35. Any seepage migrating off the ridge-like feature in an unexpected direction to the east or north should mix with perched groundwater and encounter an existing perched well. Installation of the third well (MW-35) is recommended if warranted by the additional data collected from the installation of MW-33 and MW-34.

Sincerely,

Stewart J. Smith
Associate Hydrogeologist

Attachments: Figures (4)
Appendix (1)

ATTACHMENTS

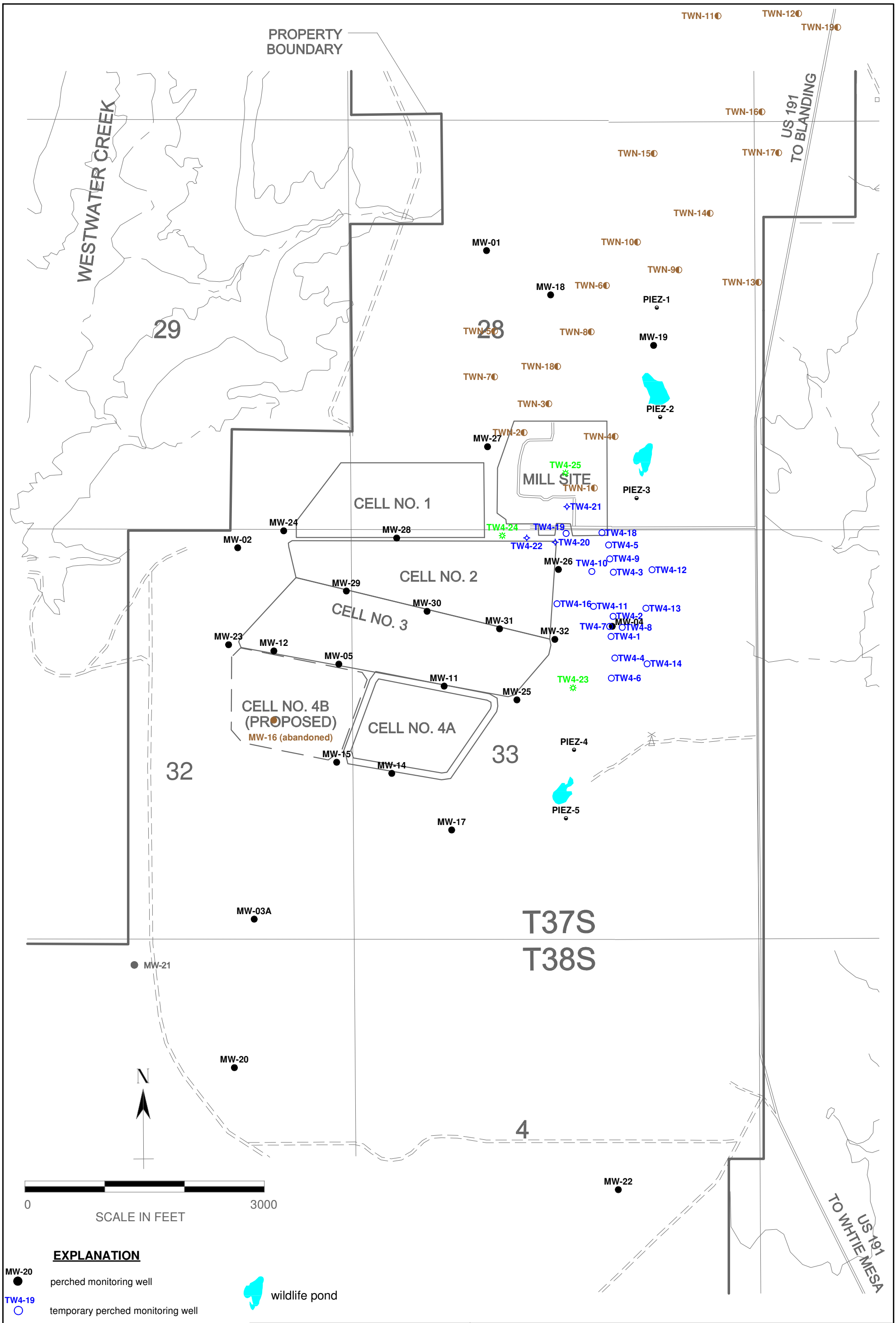
FIGURES

1 Site Plan Showing Perched Well Locations and Proposed Cell 4B, White Mesa Site
2 Approximate Elevation of Top of Brushy Basin (Contours Generated by Kriging)
3 Kriged December 2009 Perched water Level Map Showing Estimated Dry Area Near MW-16, White Mesa Site
4 Site Plan Showing Existing and Proposed Perched Well Locations and December 2009 Water Level Contours, White Mesa Site

APPENDIX

A Detailed Borings Logs

FIGURES



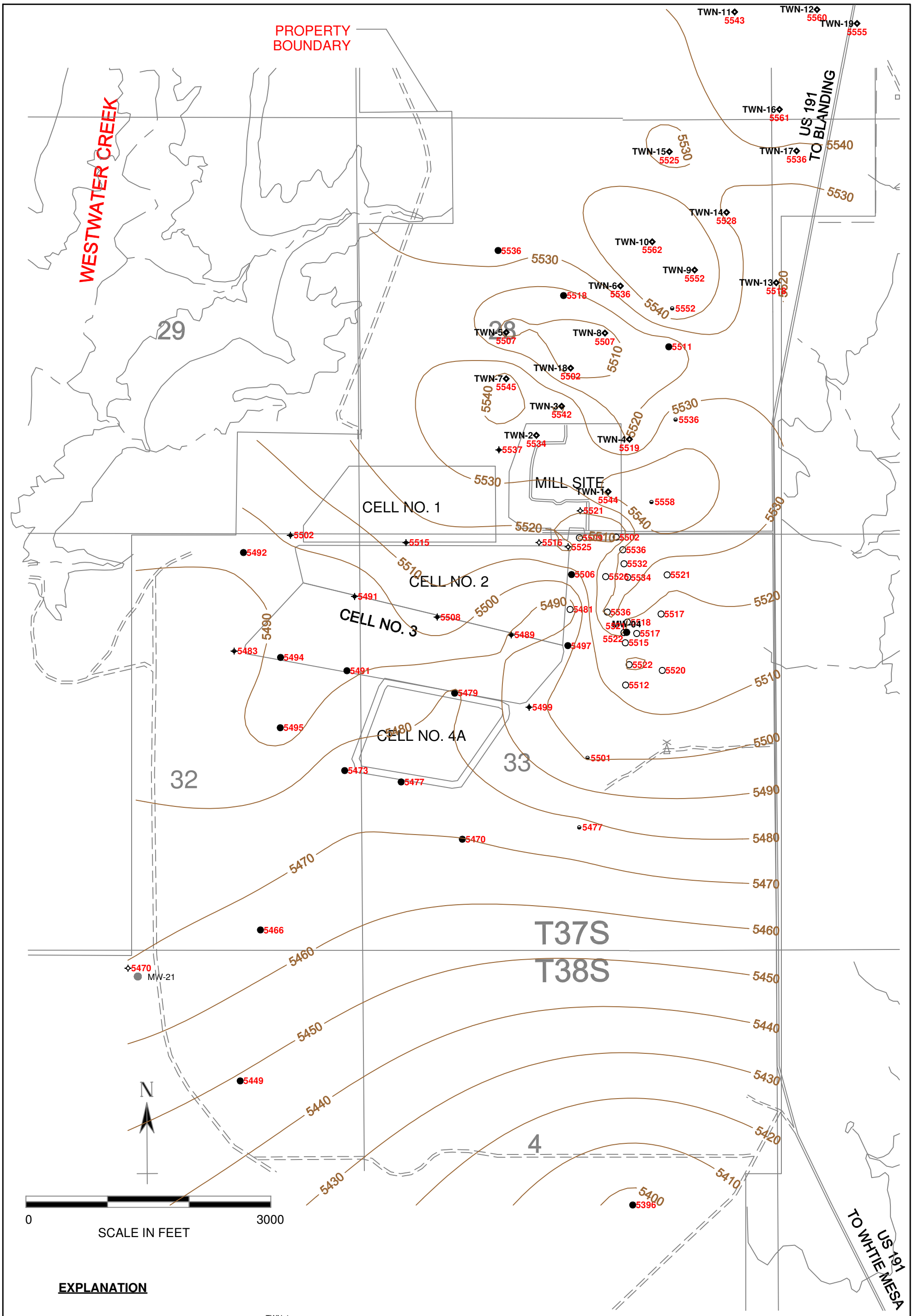
EXPLANATION

- MW-20 — perched monitoring well
- TW4-19 — temporary perched monitoring well
- PIEZ-1 — perched piezometer
- TW4-23 — temporary perched monitoring well installed May,2007
- TWN-1 — temporary nitrate monitoring well installed in 2009
- wildlife pond

HYDRO GEO CHEM, INC.

SITE PLAN SHOWING PERCHED WELL LOCATIONS AND PROPOSED CELL 4B WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/ cell4bfeb2010/cell4bc2.srf	1



EXPLANATION

MW-20 ● 5449 perched monitoring well showing elevation in feet amsl

○ 5512 temporary perched monitoring well showing elevation in feet amsl

PIEZ-1 ◒ 5552 perched piezometer showing elevation in feet amsl

MW-31 ✦ 5489 perched monitoring well installed in 2005 showing elevation in feet amsl

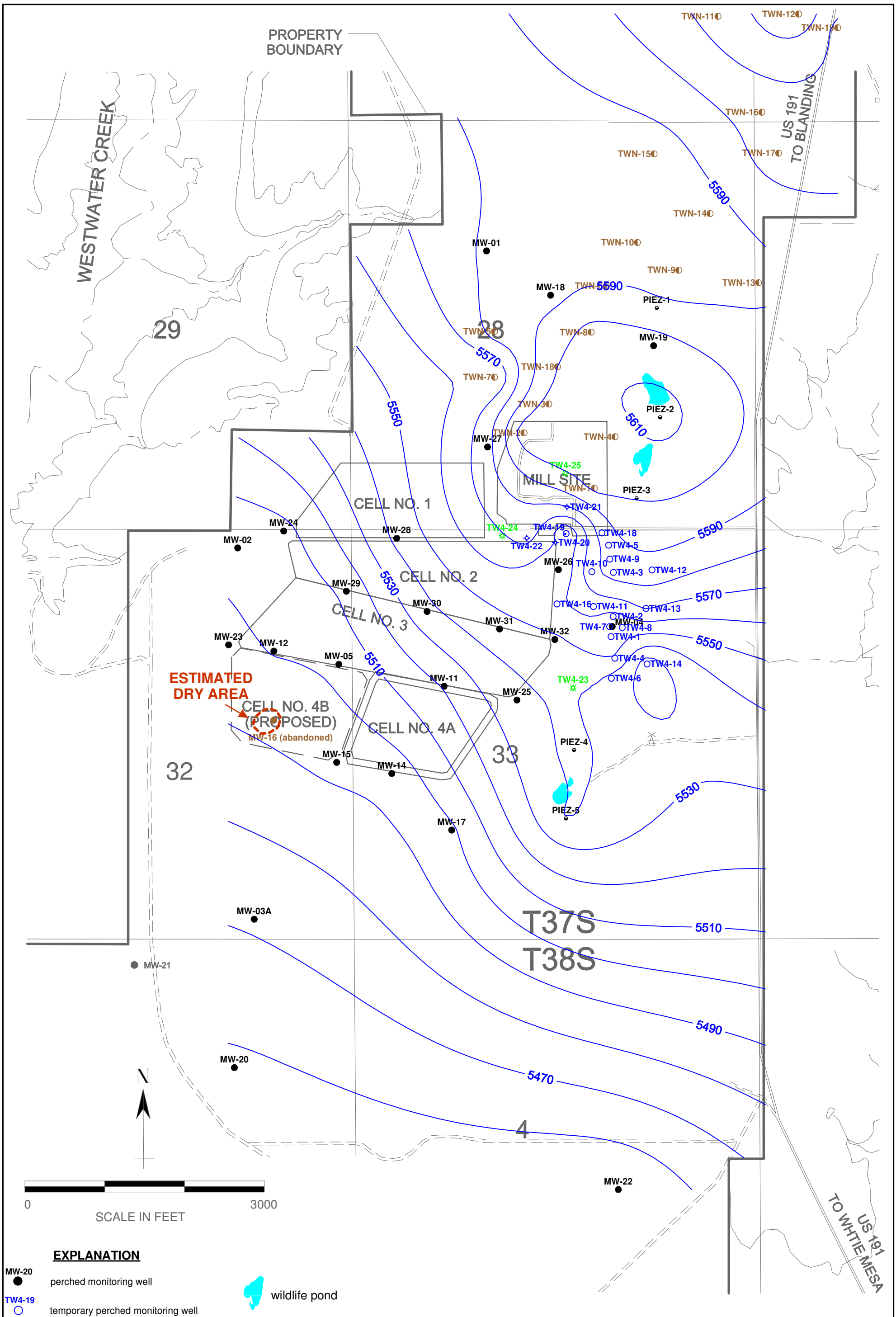
✧ 5525 temporary perched monitoring well installed in 2005 showing elevation in feet amsl

TWN-4 ◇ 5519 temporary perched nitrate monitoring well showing elevation in feet amsl

HYDRO GEO CHEM, INC.

APPROXIMATE ELEVATION OF TOP OF BRUSHY BASIN (Contours Generated by Kriging)

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/ cell4bfeb2010/bbel0909.srf	2



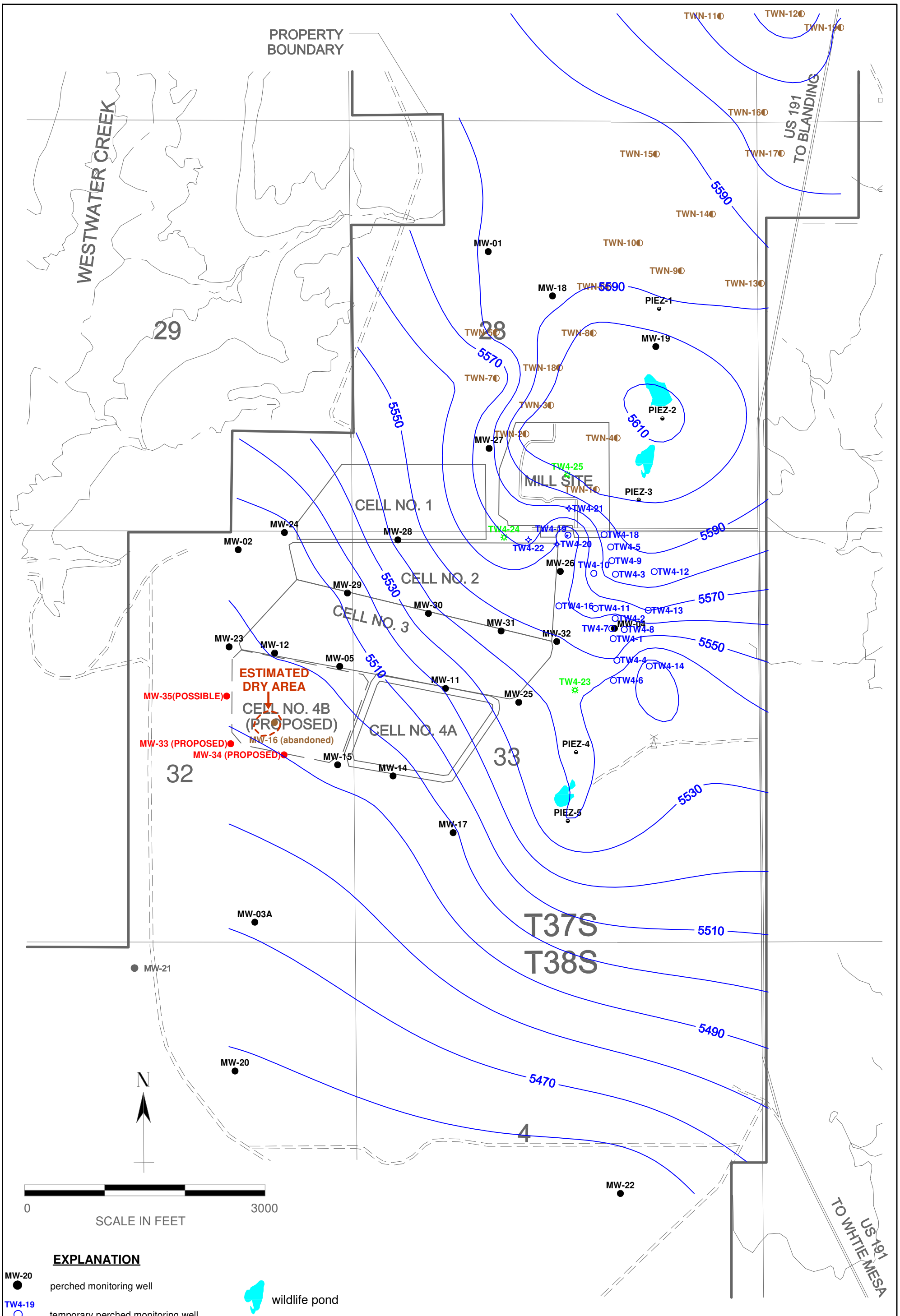
EXPLANATION

- MW-20 — perched monitoring well
- TW4-19 — temporary perched monitoring well
- PIEZ-1 — perched piezometer
- TW4-23 — temporary perched monitoring well installed May,2007
- TWN-1 — temporary nitrate monitoring well installed in 2009
- wildlife pond

HYDRO GEO CHEM, INC.

KRIGED DECEMBER 2009 PERCHED WATER LEVEL MAP SHOWING ESTIMATED DRY AREA NEAR MW-16 WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/ cell4bfeb2010/wl12094b.srf	3



EXPLANATION

- MW-20 — perched monitoring well
- TW4-19 — temporary perched monitoring well
- PIEZ-1 — perched piezometer
- TW4-23 — temporary perched monitoring well installed May,2007
- TWN-1 — temporary nitrate monitoring well installed in 2009
- wildlife pond

HYDRO GEO CHEM, INC.

SITE PLAN SHOWING EXISTING AND PROPOSED PERCHED WELL LOCATIONS AND DECEMBER 2009 WATER LEVEL CONTOURS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/ cell4bfeb2010/propwell3.srf	4

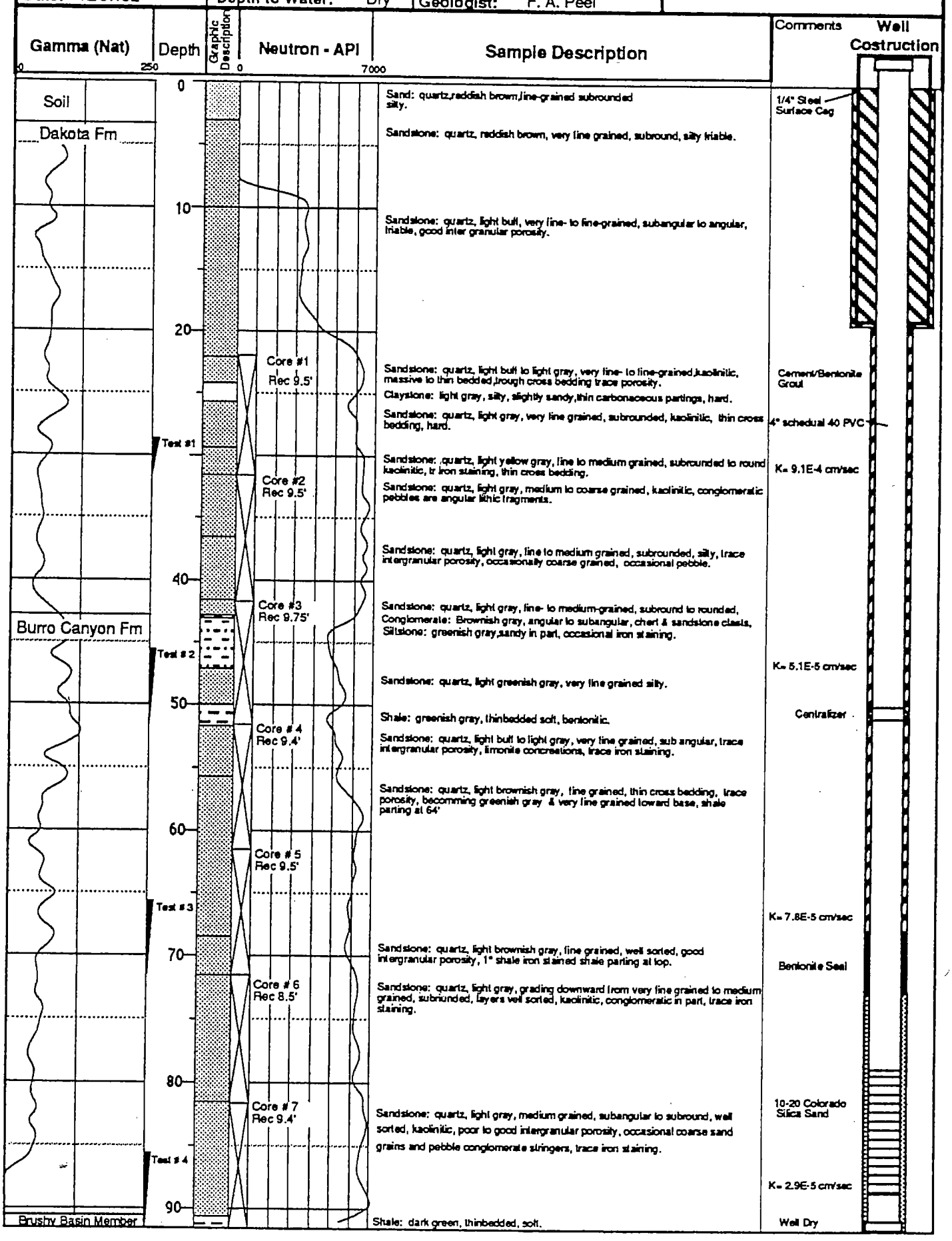
APPENDIX A

DETAILED BORING LOGS

PEEL Environmental Services
Arvada, CO (303)422-5116

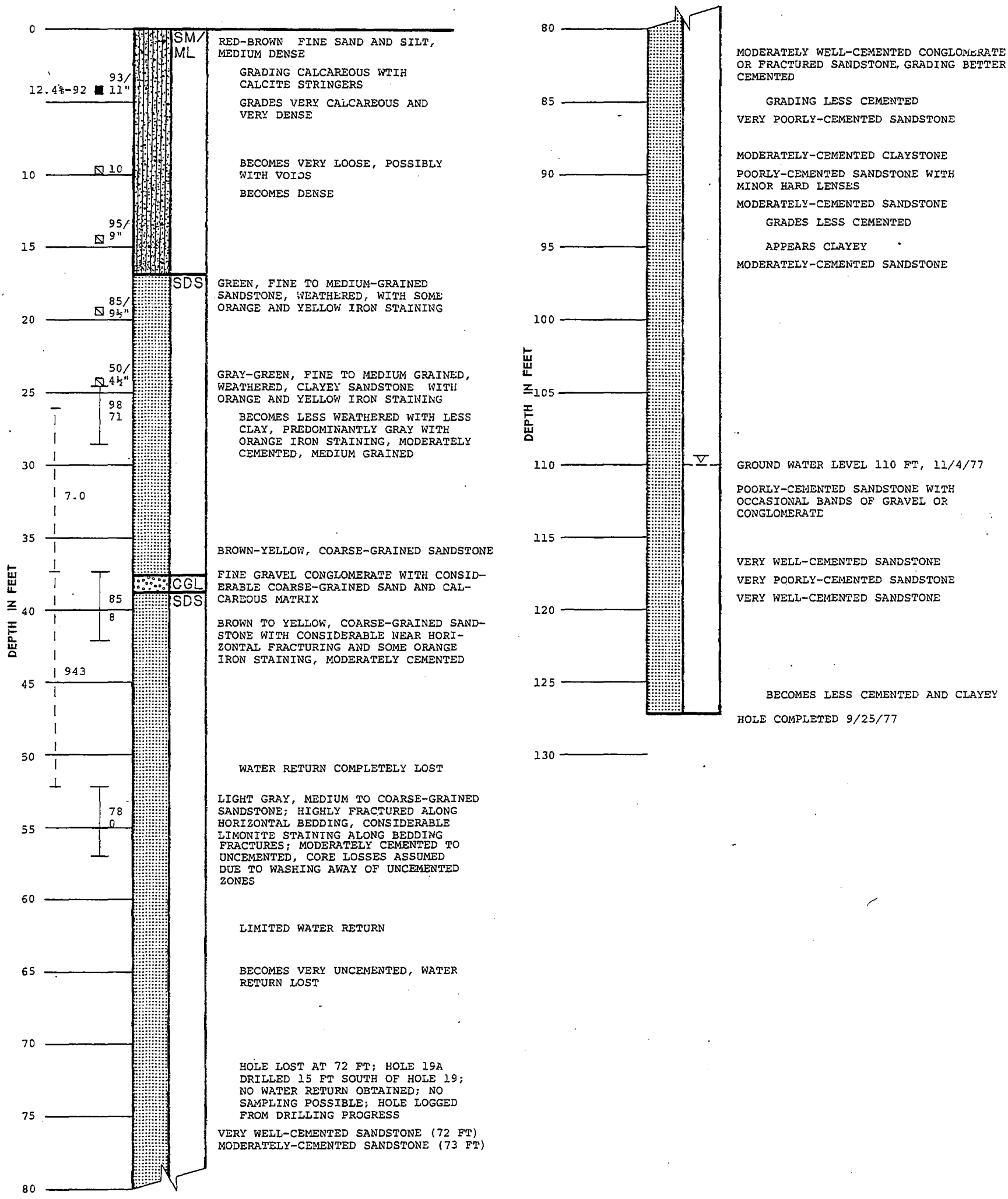
Bore Hole No. : WMMW-16

Project: White Mesa	Surface Elev. 5587 est	T. D. = 91.5	UMETCO Minerals Corporation
Date: 12/07/92	Depth to Water: Dry	Geologist: F. A. Peel	



BORING NO. 19

EL. 5600.3 FT.



LOG OF BORINGS

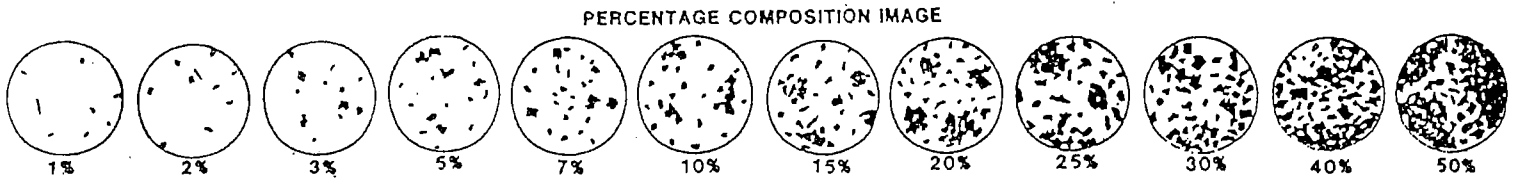
DAMES & MOORE

Date 4-19-05 Geologist L. Casebolt Drilling Co. Bayles Exploration Co. Hole No. MW-3A
Property White Mesa Mill Project _____ Unit No. _____ Sec. _____ Twp. _____ Rge. _____
County San Juan State Utah Location _____ Elev. _____

PAGE 1 OF 1
T.D. PROBE _____
T.D. DRILL 95.0
FLUID LEVEL _____

Depth	Sample Taken	Graphic Log	Alteration	Gamma Anomaly	Breccia Pipe	Lithology	Color of Wet Sample	Grain Size	Sorting	Angularity	Cement Matrix	Iron Oxide	Pyrite Amount	Pyrite Habit	Pyrite Alter.	Metallic	Non-Metallic	React.-10% HCL	Carbon Amount	Carbon Type	Remarks
0																					
2.5						Sndy sh	rdbn	vf-m	P									VS			Surface soil/Shale
5.0						Sndy sh	rdbn-tn	vf-m	P									VS			
7.5						Ss-sltst	rdbn	vf f	M									Vs			
10.0						qtz ss	vltgy-wh	f	W	SA								W			Upper Dakota Fm Ct @ approx 7.5 ft.
12.5						qtz ss	lttn	f	W	Sr								N			
15.0						qtz ss	ltgytn	f cr	P	Sr								N			sparse pk-wh chert grains
17.5						qtz ss	ltgytn	f m	P	Sr								N			
20.0						qtz ss	ltgytn	f m	P	Sr								N			
22.5						qtz ss	ltgytn	f	W	Sr								N			
25.0						qtz ss	lttn	f m	P	Sr								N			sparse multicolor chert grains
27.5						qtz ss	lttn	f m	W	Sr								N			
30.0						qtz ss	tn	m-v cr	P	SA								N			abnt. multi color chert grains
32.5						qtz ss-peb	tn	m-v cr	P	A								N			congl. zone abnt chert frags.
35.0						qtz ss-sh	tn-blgy	m cr	P	Sr								N			blgy shale frags
37.5						qtz ss, sh, l	blgy-tn	m-v cr	P	SA								N			blgy shale frags, chert frags, congl. zone
40.0						qtz ss	tn	vf-v cr	P	SA								N			chert frags
42.5						qtz ss	tn	m-v cr	P	Sr								N			
45.0						qtz ss, cgl	tn	f-v cr	P	Sr								N			congl. zone
47.5						qtz ss, cgl	tn	f-v cr	P	Sr								N			congl. zone
50.0						qtz ss	tn	m-v cr	P	Sr								N			
52.5						cgl, qtz ss	dkgytn	cr-v cr	P	A								N			cgl. zone abnt. chert frags
55.0						qtz ss	tn	f-m	P	Sr								N			
57.5						qtz ss, sh	vltgy	vf	W	R								N			sparse blgy sh
60.0						sltst, ss, cgl	ltblgy	f-peb	P	SA								N			cgl. zone, sparse chert frags
62.5						qtz ss	lttn-	f-cr	P	ST								N			some chert frags
65.0						qtz ss	ltgytn	f-v cr	m	R								N			" " "
67.5						qtz ss	ltgytn	f-v cr	m	R								N			" " "
70.0						qtz ss	ltgytn	f-v cr	P	Sr								N			qtz ss, begin coring
72.5						qtz ss	dkgybn	m-v cr	f	Sr		LT						N			abnt. chert frags
75.0						qtz ss	dkgybn	m-v cr	f	Sr		LT						N			
77.5						qtz ss	ltgy	vf-m	P	SA								N			abnt. wh chert grains
80.0						qtz ss	ltgy	vf-cr	P	SA								N			
82.5						qtz ss	ltgy	f-cr	P	Sr								N			
85						qtz ss	ltgy	f-m	f	Sr								N			
87.5						qtz ss	ltgy	m-vcr	P	SA								VW			25% chert frags, trace blgy sh
90.0						qtz, ss	gytn	vcr-peb	P	SA								VW			
92.5						cgl, qtz ss	gytn	vcr-peb	P	SA								N			Upper Brushy Basin Mbr. Ct @ 92.5 ft (from core)
95.0						sh, cgl	gybl-bn	cr-peb	P	SA								N			95.0 T.D.

PERCENTAGE COMPOSITION IMAGE



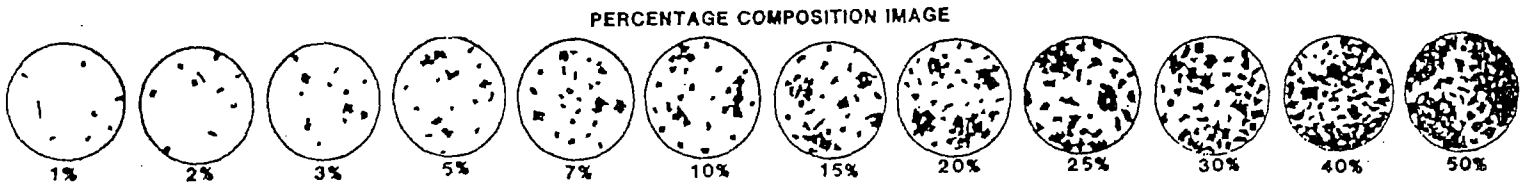
Date 4-4-05 Geologist L Casebolt Drilling Co. Bayles Exploration Hole No. MW-23
Property White Mesa Project MW-23 Unit No. _____ Sec. 32 Twp. _____ Rge. _____
County San Juan State Utah Location _____ Elev. ≈ 5600'

PAGE 1 OF 2
T.D. PROBE _____
T.D. DRILL 132
FLUID LEVEL _____

REMARKS drilled with foam & air

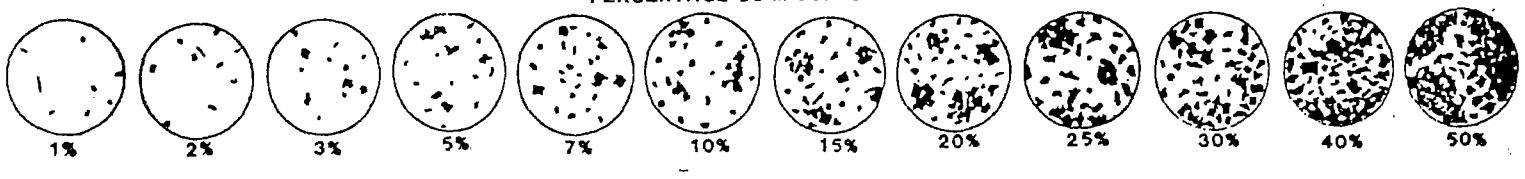
DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	PYRITE AMOUNT	PYRITE HABIT	PYRITE ALTER.	METALLIC	NON-METALLIC	REACT.-10% HCL	CARBON AMOUNT	CARBON TYPE	
0																					
2.5						sltst	ltrdbn											m			Surface soil.
5.0						Sndy sltst	ltrdbn											vs			
7.5						Sndy sltst	ltrdbn											s			
10.0						qtz ss, sltst	ltpkbn											vs			
12.5						sltst, sh	ltpkbn											vs			
15.0						slty sh	ltpkbn											vs			
17.5						slty sh	ltpkbn											s			
20.0						sndy sh	ltpktn											vs			
22.5						qtz ss, sltst	ltbn	f-m	p	sa								vs			Upper Dakota Fm. pt @ approx 21.0 ft
25.0						qtz ss	ltgybn	f	f	sa								vs			
27.5						qtz ss	ltgybn	f-m	f	sa		1						s			
						qtz ss, sh	gybn	vf-m	f	sa		1						vs			
32.5						qtz ss	ltgybn	m-cr	p	sa								s			
35.0						qtz ss	ltorbn	m-vcr	p	sa								m			
37.5						qtz ss	ltpkbn	m-cr	p	sa		1						s			
40.0						qtz ss	ltpkbn	m-cr	p	sa		1						m			
42.5						qtz ss	tn	m-vcr	p	a		1						m			abnt. light colored chert frags
45.0						qtz ss	tn	m-cr	f	sa		1						m			" light-dk chert frags.
47.5						qtz ss	tn	m-cr	f	sa		1						m			
50.0						qtz ss	tn	m-cr	f	sa		1						m			
52.5						qtz ss	lttn	vf-f	w	sa								s			very clean sand
55.0						qtz ss	lttn	vf-m	w	sa								m			sparse chert fragments
57.5						qtz ss	ltgytn	f	w	sa								w			
60.0						qtz ss	ltgytn	f	w	sr								vw			
62.5						qtz ss	lttn	f-m	w	sr								N			
65.0						qtz ss	lttn	f-m	w	sr								N			
67.5						qtz ss	lttn	m-vcr	f	sa								N			abunt. light colored chert grains
70.0						qtz ss	lttn	f-vcr	f	sa								N			
72.5						qtz ss	lttn	f-m	f	sa								N			
75.0						qtz ss	ltgytn	f-m	f	sa								N			
77.5						qtz ss	ltgytn	f-m	f	sa								N			
80.0						qtz ss	ltgytn	m	w	sr								m			
82						qtz ss	ltgy	m	w	sr								N			
85.0						qtz ss	ltgybn	f-m	f	sr								N			
87.5						qtz-ss	ltgybn	m	w	sr								N			
90.0						qtz ss	ltgybn	m	w	sa								N			
92.5						qtz ss	ltbn	m-cr	f	sa								N			abunt. light colored chert grains
95.0						qtz ss	ltbn	m	f	sa								N			
97.5						qtz ss	tn	f	w	sr								N			
00.0						qtz ss	ywtn	m	w	sr								N			
102.5						qtz ss	ywtn	f-m	f	sr								N			
105.0						qtz ss	ywtn	f	w	sr								N			
107.5						qtz ss	yewtn	vf-f	f	sr								N			
110.0						qtz ss	ywtn	f	w	sr								N			
12.5																					
15																					
17.5																					
20.0																					
22.5																					
25.0																					

PERCENTAGE COMPOSITION IMAGE



Date 4-4-05 Geologist L. Casebolt Drilling Co. Bayles Exploration Hole No. MW-23
Property White Mesa Mill Project MW-23 Unit No. _____ Sec. 32 Twp. _____ Rge. _____
County San Juan State Utah Location _____ Elev. _____

PAGE 2 OF 2
T.D. PROBE _____
T.D. DRILL 132
FLUID LEVEL _____

DEPTH	SAMPLE TAKEN	GRAPHIC LOG	ALTERATION	GAMMA ANOMALY	BRECCIA PIPE	LITHOLOGY	COLOR OF WET SAMPLE	GRAIN SIZE	SORTING	ANGULARITY	CEMENT MATRIX	IRON OXIDE	PYRITE AMOUNT	PYRITE HABIT	PYRITE ALTER.	METALLIC	NON-METALLIC	REACT.-10% HCL	CARBON AMOUNT	CARBON TYPE	REMARKS
125.0																					
127.5																					Upper Brushy Basin Mbr. ct @ approx 126.8'
130.0																					(from core log - no cuttings below 116.0')
132.0																					

PERCENTAGE COMPOSITION IMAGE