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August 15, 2022

Div of Waste Management
and Radiation Control
AUG 19 2022

VIA OVERNIGHT DELIVERY

Mr. Doug Hansen
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
Salt Lake City, UT 84116

**Re: State of Utah Radioactive Material License No. UT1900479
White Mesa Mill, Blanding, Utah
Semi-Annual Effluent Monitoring Report for Period
January 1 through June 30, 2022**

Mr. Hansen:

As required by Utah Administrative Code, R 313-24-4 (incorporating by reference 10 CFR 40.65 (subpart1)), and License Condition 11.3A of State of Utah Radioactive Materials License No. UT1900479, enclosed is the Semi-Annual Effluent Monitoring Report for the White Mesa Mill for the period January 1 through June 30, 2022.

If you have any questions regarding this report, please contact the undersigned at (303) 389-4134.

Yours very truly,

A handwritten signature in blue ink that reads 'Kathy Weinel'.

ENERGY FUELS RESOURCES (USA) INC.
Kathy Weinel
Director, Regulatory Compliance

cc: David Frydenlund
Garrin Palmer
Scott Bakken
Logan Shumway

**White Mesa Uranium Mill
Radioactive Materials License UT900479
Semi-Annual Effluent Monitoring Report
(January through June 2022)**



**Prepared For:
Utah Department of Environmental Quality
Division of Waste Management and Radiation Control**

Prepared by:

Energy Fuels Resources (USA) Inc.
225 Union Boulevard, Suite 600
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August 15, 2022

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**WHITE MESA URANIUM MILL
SEMI-ANNUAL EFFLUENT REPORT, JANUARY THROUGH JUNE 2022**

1.0 INTRODUCTION

The White Mesa Mill (the “Mill”) has established monitoring programs to evaluate compliance with effluent limitations and to assess the potential for release of radioactive material into the local environment. These monitoring programs were developed and implemented at the time of Mill construction, operated with appropriate adaptation over time, and are consistent with the Mill’s State of Utah Radioactive Materials License No. UT1900479 (the “License”) and guidelines developed by the United States Nuclear Regulatory Commission (“NRC”) (NRC Regulatory Guide 4.14, *Radiological Effluent and Environmental Monitoring at Uranium Mills-Rev. 1, ML003739941*), 1980).

1.1 Modifications to the Monitoring Programs

As stated above, the monitoring programs implemented to date are consistent with the Mill’s License and guidelines developed by the NRC and described in Regulatory Guide 4.14. The Mill’s License modifies and expands the effluent monitoring programs implemented at the Mill beyond what is regularly required by NRC Regulatory Guide 4.14. Specific changes to the individual monitoring programs are discussed in the subsequent sections of this report.

In a letter dated July 23, 2014, the Division of Waste Management and Radiation Control (“DWMRC”) stated that because “Tailings Cell 2 is no longer in operation (receiving tailings), the Division of Air Quality and the Division of Radiation Control agree that Subpart W NESHAPs requirements (40 CFR Part 61) no longer apply; however, at this phase of cell 2 closure activities, the requirements of 10 CFR Part 40, Appendix A, Criterion 6 do apply.” The July 23, 2014 letter further requires that radon flux measurements for Cell 2 be collected semi-annually in accordance with methodology specified in 40 CFR Part 61, Appendix B, Method 115 and that the measured results be included in the Semi-Annual Effluent Reports submitted to DWMRC. As a result of the July 23, 2014 letter, Cell 2 radon flux monitoring data are reported herein. Additional details regarding the monitoring and data collection activities for the Cell 2 radon flux are included in Section 9.0.

As specified by the License and the documents described above, the Mill monitors the following environmental media and conditions:

- a) Airborne particulate radionuclide concentrations obtained from the following sampling stations:
 - North, east and south of the Mill Site: BHV-1, BHV-2, and BHV-8 (north), BHV-5 and BHV-7 (east), and BHV-4 (south). BHV-1 and BHV-8 serve as surrogates for the nearest resident (BHV-1 and BHV-8 are approximately 1.2 miles north of the Mill, but approximately 0.4 miles closer to the Mill than the nearest resident);

- A background location distant to and west of the Mill (BHV-3) that was monitored for airborne particulates up until November, 1995 (at which time background was established), which is no longer monitored for air particulates; and
 - A station specifically requested by the White Mesa Ute Community south of the Mill Site (BHV-6);
- b) External (direct) gamma radiation measured at air monitoring stations BHV-1, BHV-2, BHV-3, BHV-4, BHV-5, BHV-6, BHV-7, and BHV-8;
 - c) Vegetation at three site periphery locations, for uptake of radionuclides;
 - d) Stack release rates from the Mill's air emissions sources;
 - e) Surface water at Cottonwood Creek and, when flowing, Westwater Creek, both located west of the Mill;
 - f) Soil radionuclide activity at 52 locations during the third quarter of each year;
 - g) Radon-222 at the air particulate monitoring stations (BHV-1 through BHV-8);
 - h) Meteorological conditions;
 - i) Radon flux of the Cell 2 cover as specified by the DWMRC in correspondence dated July 23, 2014;
 - j) Groundwater (up and down gradient) of the Mill facility; and¹
 - k) Seeps and springs in the vicinity of the Mill.¹

This semi-annual effluent report provides the results of the specific monitoring and sampling activities that were undertaken during the subject reporting period.

2.0 ENVIRONMENTAL AIR PARTICULATE SAMPLING

2.1 Program Overview

Prior to 2014, the environmental airborne particulate monitoring program at the Mill utilized four air sampling stations. Four high-volume continuous air sampling stations (BHV-1, BHV-2, BHV-4, and BHV-5) were required by the License. In addition to these four environmental air sampling locations, an additional station (BHV-6) was installed at the request of the White Mesa Ute Community. This station began operation in July of 1999 and provides airborne particulate

¹ Groundwater sampling and seeps and springs sampling are reported separately pursuant to the Mill's State of Utah Ground Water Discharge Permit No. UGW370004, and are not included with this report.

information in the southerly direction between the Mill and the White Mesa Ute Community.

In 2014 the air particulate monitoring program has expanded to include the following:

- The addition of two air monitoring stations (BHV-7 and BHV-8);
- The addition of thorium-232 (“Th-232”) to the list of air particulate analytes;

These sampling stations serve as sentinels for airborne particulate which could potentially emanate from the Mill site. In addition to its general site monitoring function, BHV-1 and BHV-8 also serve as conservative surrogates for concentrations at the nearest resident, because they are located approximately 1.2 miles north of the Mill just south of the nearest resident but between the Mill and that resident.

With regard to background monitoring, the Mill previously operated a continuous high-volume air sampling station (BHV-3) which was located 3.5 miles west of the Mill site. With the approval of NRC, this station (BHV-3) was removed from the active air monitoring program in November 1995. At that time, NRC determined that a sufficient air monitoring database had been compiled at BHV-3 to establish a representative airborne radionuclide background for the Mill. The NRC approval to remove BHV-3 from the active air monitoring program specified background radionuclide concentrations based on the historic data. These concentrations are shown on the graphs and tables in Tab B3. While air sampling was discontinued at this location, gamma measurements, radon measurements and soil sampling continue at BHV-3.

2.2 Sampling Protocol and Analytical Results

Airborne particulate monitors are operated continuously at each of the high-volume air sampling stations except BHV-3. As noted above, BHV-3 was removed from the active air monitoring program in November 1995, but the NRC specified background concentrations are shown in Attachment B.

Particulate sample collection filters are gathered by site technicians weekly in accordance with the Mill’s environmental air sampling procedures and are composited on a quarterly basis for laboratory analyses. The collected filters are analyzed for Unat activity, Th-230 activity, Ra-226 activity, Th-232 activity and Pb-210 activity. Fugitive dust standards for the facility are limited by the Mill’s State of Utah Air Approval Order. The specific locations of the Mill’s airborne particulate monitoring stations are depicted on the figure entitled Particulate Monitoring Stations included as Attachment A. Station BHV-3, which is no longer sampled for air particulates, is located approximately 3.5 miles west of the Mill facility.

The analytical results of radionuclide particulate sampling for each monitoring station operated during this reporting period are provided in Attachment B under separate sampling station attachment tabs (Tabs 1-8). Each tab contains graphical illustrations of the radionuclide concentrations in log-scale presentation format. The graphs display reported data over time since the 1981 inception of the Mill’s environmental air particulate monitoring program or the installation of the locations, whichever is appropriate. The actual analytical results (and

associated QA/QC information) reported by the laboratory for the reporting period are provided under Attachment C. In addition to the analyses for radionuclides, particulate loading is determined for each filter and composited as a quarterly mass-loading estimate for review purposes only. Graphs showing particulate loading at each station and the underlying data are included as Attachment D.

Analytical data were reviewed against the laboratory established acceptance limits specified in the data packages. The analytical data are usable for their intended purpose. Any deviations noted did not affect the quality or usability of the data.

For graphical illustration purposes, values reported at zero, values reported at less than the prescribed detection limit ($< 1 \times 10^{-16}$ uCi/ml), and missing values were plotted as 1×10^{-16} uCi/ml concentrations. Where other “less than” values were indicated (i.e., where detection limits for the data varied from 1×10^{-16} uCi/ml), the detection limit concentration was utilized for plotting the data point. This graphing convention is not utilized to formulate station average information, nor is it intended as a precedent for data treatment. Rather, the intent is to provide a conservative viewable depiction of site airborne radionuclide information. This is considered to be a conservative approach, because the actual concentration below the detection limit cannot be determined and, as a result, the plotted point will be at the same or a higher concentration than the actual activity concentration of the collected sample.

2.3 General Observations

The results of environmental air monitoring for this semi-annual period indicate that for all radionuclides at all monitoring stations, airborne radionuclide particulate activity concentrations were well below regulatory Effluent Concentration Limits (“ECL’s”) and the Mill’s ALARA goals, which are set at 25% of the ECLs.

It is noteworthy and expected that Pb-210 concentrations are elevated when compared to the other parent radionuclide concentrations (i.e. U-nat, Th-230 and Ra-226). This phenomenon is due to the well-established controlling effect experienced worldwide as a result of the ubiquitous presence of radon in the earth’s atmosphere. Accordingly, the elevated Pb-210 presence in disequilibrium with parent radionuclides measured here is not associated with uranium milling operations. Rn-222 emanates as a decay-chain progeny of the Ra-226 contained in the soil of the earth’s crust and is dispersed generally throughout the earth’s atmosphere. The electrically charged short and long-lived decay products of Rn-222 attach to ambient dust particles found naturally in the atmosphere and are carried with the air. Pb-210 is the longest lived of these decay products and is the decay product of the shorter-lived radon progeny. As such, it accumulates as an electrical attachment on the natural ambient dust in the atmosphere and is generally measured at elevated activity when compared to local decay-chain parent radionuclide activity, regardless of uranium milling activity. At the Mill’s BHV air monitoring stations, all dust (ambient natural and mill derived) is collected by the sample filter. Because of the natural elevation of Pb-210 accumulated as an attachment to the naturally occurring ambient dust particles collected by the air sampling equipment, Pb-210 is commonly elevated and in disequilibrium when compared to parent radionuclide activity, regardless of the Mill’s presence.

By way of illustration, average ground-level concentrations have been reported for selected States (NCRP Report 94, 1992) and are summarized in Table 1 in the Tables Tab of this report, demonstrating that elevated Pb-210 activity is present where no uranium milling operations are located nearby. In April 1977, prior to Mill construction and Mill operations, air particulate Pb-210 was measured at the Mill site to be $1.3\text{E-}14$ uCi/ml ($13.0\text{E-}3$ pCi/m³)².

2.4 Site Specific Sampling Data

The results of airborne particulate monitoring for the period (without background subtraction) are provided by sampling station and radionuclide in Tables 2 through 6 in the Tables Tab of this report. Along with these data, the tables present comparative ECLs and the ECL percentage measured at each of the monitoring stations sampled during the period. A review of these data support the conclusion that airborne particulates are well controlled at the Mill. In all cases, the measured activity concentrations were well within the ECL, as well as the Mill's ALARA goal (i.e. 25% of the ECL). Lower Limits of Detection consistent with NRC Regulatory Guide 4.14 were maintained by the Mill's contract analytical laboratory for this reporting period.

The data obtained since program inception in 1981 indicates that only one individual quarterly measurement (Th-230 at BHV-5 for the 2nd Quarter of 1996) has ever exceeded the ECL at the Mill. While it is important to consider and evaluate an individual measurement exceeding the ECL, it is the average annual concentration that is of primary significance for public dose estimation purposes. In that instance, the average annual concentration of Th-230 for BHV-5 in 1996 was well below the ECL. Data obtained since program inception in 1981 also indicate that, with very few exceptions, the gross (background inclusive) measurements do not exceed the site's ALARA goal (i.e. only ten of the several thousand total gross radionuclide determinations to date exceeded the Mill's self-imposed 25% ALARA goal).

2.5 Radon-222

With the approval of the NRC, Radon-222 monitoring at BHV stations at the Mill was discontinued in 1995 due to the unavailability of monitoring equipment to detect the revised 10 CFR Part 20 standard. Instead, compliance with these limits and the requirements of R313-15-301 was demonstrated by a calculation, authorized by the NRC and as contemplated by R313-15-302(2)(a) which states "A licensee or registrant shall show compliance with the annual dose limit in Section R313-15-301 by: (a) Demonstrating by measurement or calculation that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed or registered operation does not exceed the annual dose limit;". This calculation is performed by use of the MILDOS code for estimating environmental radiation doses for uranium recovery operations. R313-15-302(2)(a) contemplates demonstrating compliance either through modeling or measurement.

² See the *Environmental Report, White Mesa Uranium Project, San Juan County, Utah for Energy Fuels Nuclear, Inc.* prepared by Dames & Moore, January 30, 1978, Section 2.9.1.1

In order to determine whether or not detection equipment has improved since 1995, EFRI voluntarily began ambient Radon-222 monitoring at the BHV stations in 2013. The Radon-222 data collected from 2013 through present are presented in Attachment J. The Mill's effluent monitoring programs were expanded in 2014 and the expanded monitoring programs require the collection of Radon-222 data at all of the BHV stations. For the BHV stations EFRI calculated ECLs using methodology shown in Attachment J. The calculated ECLs for all of the BHV stations are included on the data table included in Attachment J. The radon-222 results are below the calculated ECLs and within the range of historic levels as shown in Attachment J.

Radon-222 monitoring is completed using detectors with an effective reporting limit of 0.06 pCi/L. Field blank detectors are collected quarterly and the results (with background included) are included in Attachment J.

During the reporting period, one field blank was collected during each quarter. Field blanks are opened at the beginning of the monitoring period and immediately sealed in the manufacturer supplied packaging. The field blanks are stored in the environmental office until the end of the monitoring period, when they are packaged with the field samples and shipped to the laboratory for processing. While relatively low concentrations were reported for the field blanks, the field blank data show detections which are greater than the highest detection reported for any of the samples collected at the high volume stations. The field blank data have been consistently higher than the samples. Despite the detections reported for the field blanks, there is no indication that the results reflect contamination during shipping. If the detections on the field blanks indicated contamination resulting from shipment, then all of the detectors would be affected in the same manner and the sample data are below the field blank levels. It appears that the field blanks have been affected by the storage prior to shipping. EFRI is conducting an investigation into the possible causes of the anomalous field blank detections.

3.0 EXTERNAL RADIATION (DIRECT GAMMA)

Gamma exposure rate estimates were measured for the reporting period utilizing optically stimulated luminescence dosimeters ("OSLs"). Previously, these dosimeters were located at each of the Mill's high-volume air sampling stations (BHV-1, BHV-2, BHV-4, BHV-5 and BHV-6) and at the designated background monitoring station (BHV-3). In 2014 the effluent monitoring programs at the Mill were expanded to include expansion of the gamma exposure monitoring program through the addition of gamma monitoring at the two new air monitoring stations (BHV-7 and BHV-8).

Measurements obtained from location BHV-3 have been designated as background due to BHV-3's remoteness from the Mill site (i.e., BHV-3 is located approximately 3.5 miles west of the Mill site). The results of the environmental OSL measurements and semi-annual cumulative above-background data are provided in Table 7 in the Tables Tab of this report. In addition, measurement data obtained at these locations are graphically presented in Attachment E to this report.

The results for this period indicate that above background measurements for stations BHV-1, BHV-2, BHV-4, BHV-5, BHV-6, BHV-7, and BHV-8 are within regulatory limits and are consistent with historical data. BHV-1 and BHV-8 are at the location of the nearest potential residence. The nearest actual residence is approximately 0.4 miles north of BHV-1 and BHV-8. The annual limit for an individual member of the public is 100 mrem/yr for combined internal and external exposure.

4.0 VEGETATION SAMPLES

The NRC Regulatory Guide 4.14 requires that three samples be collected during the grazing season, without specifying exact months or times during the season. Two samples were collected during the January through June reporting period. The third sample will be collected during the July through December reporting period. In 2014 the vegetation sampling program was expanded through the addition of Th-232 and U-Nat.

During the January through June reporting period, samples were collected on April 19, 2022 and June 29, 2022. The data from the sampling events are included in the in Attachment F.

Graphical log-scale presentation of the vegetation sampling results, together with the analytical results reported by the Mill's contract laboratory (including QA/QC information) for these sampling periods, are included as Attachment F of this report. The 2022 data results are within the variation of previous sampling episodes and are comparable to historic results.

Analytical data were reviewed against the laboratory established acceptance limits specified in the data packages. The analytical data are usable for their intended purpose. Any deviations noted did not affect the quality or usability of the data.

The value in the MDC column in the data package is the sample-specific minimum detectable concentration ("MDC"). The MDC is based on the sample moisture, composition and other sample-specific variables. The lower limit of detection which is a limit representing the detection capability of the measurement system is referred to as the Reporting limit ("RL") in the data package.

5.0 STACK SAMPLING

Under Section 5.0 of Tab 1.4 of the Mill's EPM gas stack samples are collected at the Mill in accordance with the schedule shown below:

Stack Sampling Requirements

Frequency	Grizzly Baghouse Stack	North and/or South Yellowcake Dryer Stacks	Yellowcake Packaging Baghouse Stack	Vanadium Dryer Stack	Vanadium Packaging Stack
Quarterly	If operating, U-nat, Th-230, Ra-226, Pb-210, Th-232, Ra-228, and Th-228.	If operating, U-nat, Th-230, Ra-226, Pb-210, Th-232, Ra-228, and Th-228.	If operating, U-nat, Th-230, Ra-226, Pb-210, Th-232, Ra-228, and Th-228.	If operating, U-nat, Th-230, Ra-226, Pb-210, Th-232, Ra-228, and Th-228.	If operating, U-nat, Th-230, Ra-226, Pb-210, Th-232, Ra-228, and Th-228.

No stack sampling was conducted in the reporting period because none of the stacks were operated during the reporting period. The uranium dryers last operated fourth quarter 2020. The vanadium dryers last operated first quarter 2020.

It is also important to note that uranium stack effluent concentrations are not comparable to environmental air sampling station ECLs for regulatory compliance purposes. The ECL is a limit that applies to the receptor locations and is not applicable to effluents from mill processes on the Mill site. These stack release data are more appropriately utilized for dose modeling purposes, and dose modeling is not computed for semi-annual reporting purposes.

When analytical data are collected they are reviewed against the laboratory established acceptance limits specified in the data packages.

6.0 SURFACE WATER MONITORING

Under the License, Part 11.2 B surface water samples are required to be obtained annually from Westwater Canyon and semi-annually from Cottonwood Creek when water is present. Sediment samples from Westwater Canyon are taken in place of the Westwater Canyon surface water sample when surface water is not available for sampling. If samples are not collected from Westwater Canyon a sediment sample will be collected in the third or fourth quarter of 2021.

The Mill’s EPM requires that samples from Cottonwood Creek be analyzed for TDS and total suspended solids (“TSS”) quarterly, and the License, Part 11.2 B requires that samples from Cottonwood Creek be analyzed for dissolved and suspended radionuclides including Gross Alpha, U-nat, Ra-226, and Th-230 semi-annually.

During the reporting period, no surface water was present in Cottonwood Creek or Westwater Canyon and therefore no surface water samples were collected. The lack of surface water during the period was due to drought conditions in the area.

The field data sheets for the surface water sampling attempts, along with graphs showing historic results are included as Attachment H.

7.0 SOIL SAMPLING

In accordance with the Mill's EPM and License, surface soils will be collected during the third quarter of 2022. The sampling results will be discussed in the July through December Semi-Annual Effluent Report submitted to DWMRC on or before March 1, 2023.

8.0 METEOROLOGICAL MONITORING

As in prior reporting periods, an independent contractor has prepared the White Mesa Mill Semi-annual Meteorological Monitoring Report for the reporting period. This information is retained at the Mill site for agency review.

9.0 CELL 2 RADON FLUX

The July 23, 2014 letter, DWMRC stated that because "Tailings Cell 2 is no longer in operation (receiving tailings), the Division of Air Quality and the Division of Radiation Control agree that Subpart W NESHAPs requirements (40 CFR Part 61) no longer apply; however, at this phase of cell 2 closure activities, the requirements of 10 CFR Part 40, Appendix A, Criterion 6 do apply."

Further, the DWMRC July 23, 2014 letter states that "since the MILDOS-Area Models that have been run to show compliance with dose limits for releases from the Mill were based on a limit of 20 picocuries per square meter second (pCi/m²-sec), in order to ensure compliance with previously analyzed conditions, the DWMRC will require the licensee to continue to measure the radon flux in accordance with [the latest revision of] 40 CFR 61, Appendix B, Method 115, "Monitoring for Radon-222 Emissions". The measured radon flux for Cell 2 shall not exceed a value of 20 (pCi/m²-sec) until a new MILDOS-Area Model to analyze a higher radon flux is completed and demonstrates compliance with dose limits based on the releases from the Mill. As required by Method 115, a minimum of 100 measurements are required and shall be performed on a semi-annual basis."

Per the requirements detailed above, EFRI sampled Cell 2 radon flux in April 2022 for the January through June 2022 reporting period. The April 2022 measurement was 3.8 pCi/(m²-sec). The full data report for the April 2022 Cell 2 radon flux sampling is provided in Attachment K.

It is important to note that Cell 2 Phase 1 cover placement/construction commenced in April 2016 and was completed in April 2017. The Phase 1 cover activities include the placement and compaction of approximately 4.5 feet of soil materials.

10.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc.

Energy Fuels Resources (USA) Inc.

By:



Scott A. Bakken
Vice President of Regulatory Affairs

8/15/22
Date

Certification:

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Scott A. Bakken
Vice President of Regulatory Affairs
Energy Fuels Resources (USA) Inc.

TABLES

Table 1- NCRP Report 94-Global Pb-210 Concentration Example

State	Pb-210 Concentration	
	uBq/M ³	uCi/ml
California	600	1.60E-14
Illinois	1500	4.10E-14
Ohio	300	8.10E-15
Massachusetts	700	1.90E-14

**Table 2 - Air Monitoring Station Results U-Nat (Comparison to Limits)
1st and 2nd Quarter 2022**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	1.00E-16	2.00E-16	9.00E-14	1.67E-01
BHV2	1.00E-16	9.00E-17	9.00E-14	1.06E-01
BHV4	1.00E-16	8.00E-17	9.00E-14	1.00E-01
BHV5	2.00E-16	3.00E-16	9.00E-14	2.78E-01
BHV6	1.00E-16	1.00E-16	9.00E-14	1.11E-01
BHV7	1.00E-16	5.00E-16	9.00E-14	3.33E-01
BHV8	1.00E-16	1.00E-16	9.00E-14	1.11E-01

**Table 3 - Air Monitoring Station Results Th-230 (Comparison to Limits)
1st and 2nd Quarter 2022**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	3.00E-17	3.00E-16	2.00E-14	8.25E-01
BHV2	2.00E-17	2.00E-17	2.00E-14	1.00E-01
BHV4	1.00E-16	2.00E-17	2.00E-14	3.00E-01
BHV5	1.00E-16	9.00E-16	2.00E-14	2.50E+00
BHV6	6.00E-17	7.00E-17	2.00E-14	3.25E-01
BHV7	8.00E-17	7.00E-16	2.00E-14	1.95E+00
BHV8	4.00E-17	6.00E-17	2.00E-14	2.50E-01

**Table 4 - Air Monitoring Station Results Ra-226 (Comparison to Limits)
1st and 2nd Quarter 2022**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	5.00E-17	1.10E-15	9.00E-13	6.39E-02
BHV2	3.00E-17	8.00E-17	9.00E-13	6.11E-03
BHV4	2.00E-16	4.00E-17	9.00E-13	1.33E-02
BHV5	4.00E-16	1.20E-15	9.00E-13	8.89E-02
BHV6	7.00E-17	8.00E-17	9.00E-13	8.33E-03
BHV7	1.00E-16	1.80E-15	9.00E-13	1.06E-01
BHV8	1.00E-16	3.00E-16	9.00E-13	2.22E-02

**Table 5 - Air Monitoring Station Results Pb-210 (Comparison to Limits)
1st and 2nd Quarter 2022**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	1.00E-14	1.00E-14	6.00E-13	1.67E+00
BHV2	1.00E-14	1.00E-14	6.00E-13	1.67E+00
BHV4	2.00E-14	1.00E-14	6.00E-13	2.50E+00
BHV5	2.00E-14	1.00E-14	6.00E-13	2.50E+00
BHV6	1.00E-14	8.00E-15	6.00E-13	1.50E+00
BHV7	2.00E-14	1.00E-14	6.00E-13	2.50E+00
BHV8	1.00E-14	1.00E-14	6.00E-13	1.67E+00

**Table 6 - Air Monitoring Station Results Th-232 (Comparison to Limits)
1st and 2nd Quarter 2022**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	3.00E-18	1.00E-17	4.00E-15	1.63E-01
BHV2	6.00E-18	4.00E-18	4.00E-15	1.25E-01
BHV4	3.00E-18	5.00E-18	4.00E-15	1.00E-01
BHV5	4.00E-18	2.00E-17	4.00E-15	3.00E-01
BHV6	5.00E-18	1.00E-17	4.00E-15	1.88E-01
BHV7	5.00E-18	1.00E-17	4.00E-15	1.88E-01
BHV8	3.00E-18	4.00E-18	4.00E-15	8.75E-02

**Table 7 - Environmental Optically Stimulated Luminescence Dosimeter
2022**

Monitoring Station	1st Quarter Result (mrem)	2nd Quarter Result (mrem)	1st Quarter Result Less Background (mrem)	2nd Quarter Result Less Background (mrem)	Cumulative Semiannual Estimate (mrem)
BHV1	40.0	35.8	4.8	5	9.8
BHV2	36.5	35.9	1.3	5.1	6.4
BHV3	35.2	30.8	0	0	0
BHV4	34.1	34.6	0	3.8	3.8
BHV5	41.5	35.9	6.3	5.1	11.4
BHV6	36.0	31.8	0.8	1	1.8
BHV7	34.5	31.7	0	0.9	0.9
BHV8	37.7	30.3	2.5	0	2.5

Table 8 Uranium Stack Effluent Concentrations and Release Rates

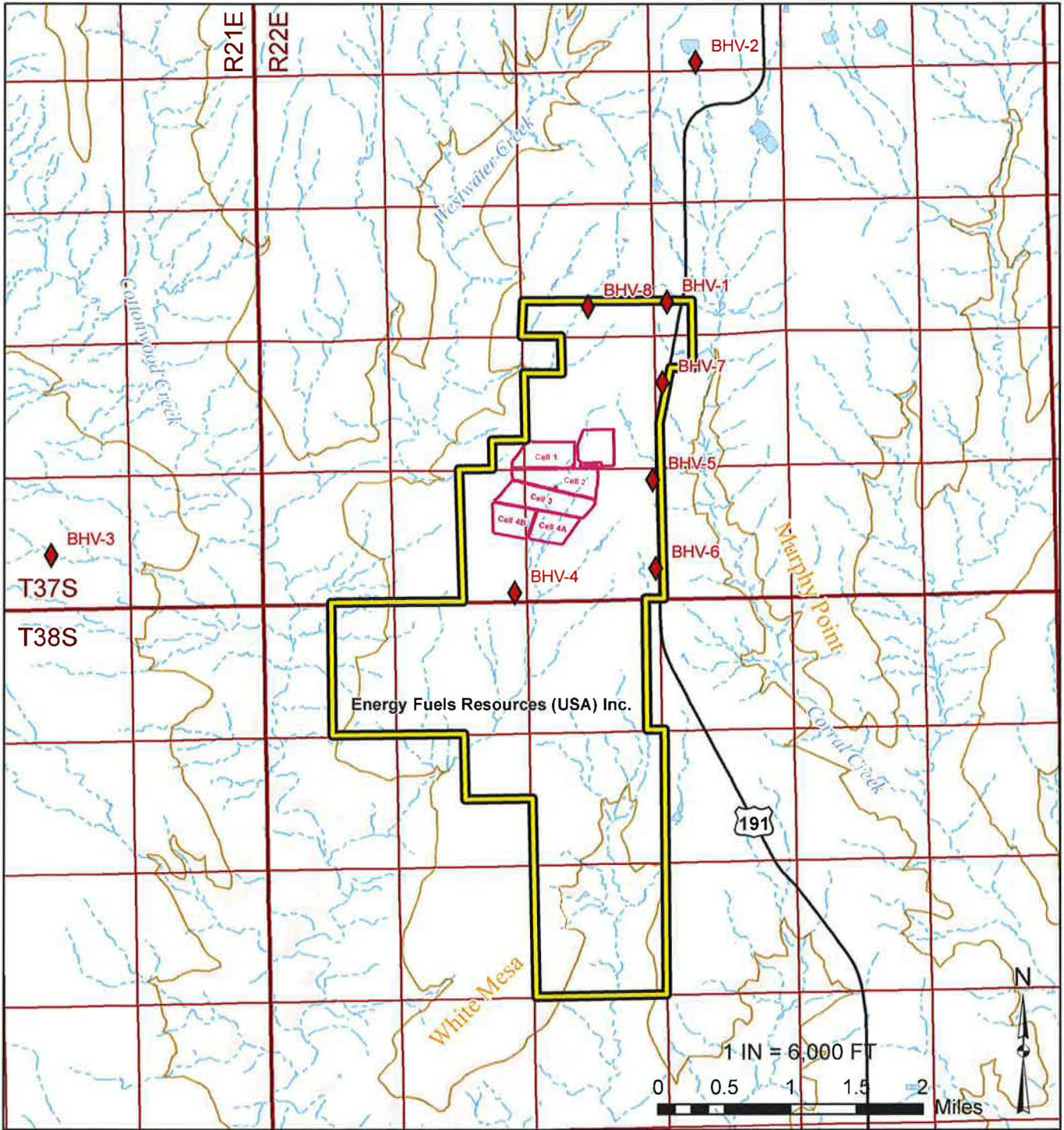
3rd Qtr. 2021
No uranium stack sampling was conducted as the dryers did not run. No uranium packaging was completed during the quarter.
4th Qtr. 2021
No uranium stack sampling was conducted as the dryers did not run. No uranium packaging was completed during the quarter.
1st Qtr. 2022
No uranium stack sampling was conducted as the dryers did not run. No uranium packaging was completed during the quarter.
2nd Qtr. 2022
No uranium stack sampling was conducted as the dryers did not run. No uranium packaging was completed during the quarter.

Table 9 Vanadium Stack Effluent Concentrations and Release Rates

3rd Qtr. 2021
No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.
4th Qtr. 2021
No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.
1st Qtr. 2022
No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.
2nd Qtr. 2022
No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.

ATTACHMENT A
HIGH VOLUME AIR MONITORING STATIONS

S:\Source\UT\WhiteMesaMill\Maps\Mill_PartMonitoring.mxd / 2/20/2017 3:55:23 PM by:rellis



Legend

- Air Monitoring Station
- Property Boundary
- Tailings Cell
- Road
- Canyon Rim
- Township and Range
- Section
- Pond
- Drainage

Coordinate System: NAD
1983 StatePlane Utah
South FIPS 4303 Feet

ENERGY FUELS

REVISIONS		Project: WHITE MESA MILL	
Date:	By:	County: San Juan	State: Utah
		Location: -	
ATTACHMENT A			
PARTICULATE MONITORING STATIONS			
		Author: rellis	Date: 2/20/2017
		Drafted By: rellis	

ATTACHMENT B

BHV AIR SAMPLING GRAPHS AND DATA TABLES

TAB 1

BHV-1 AIR SAMPLING GRAPHS AND DATA TABLE

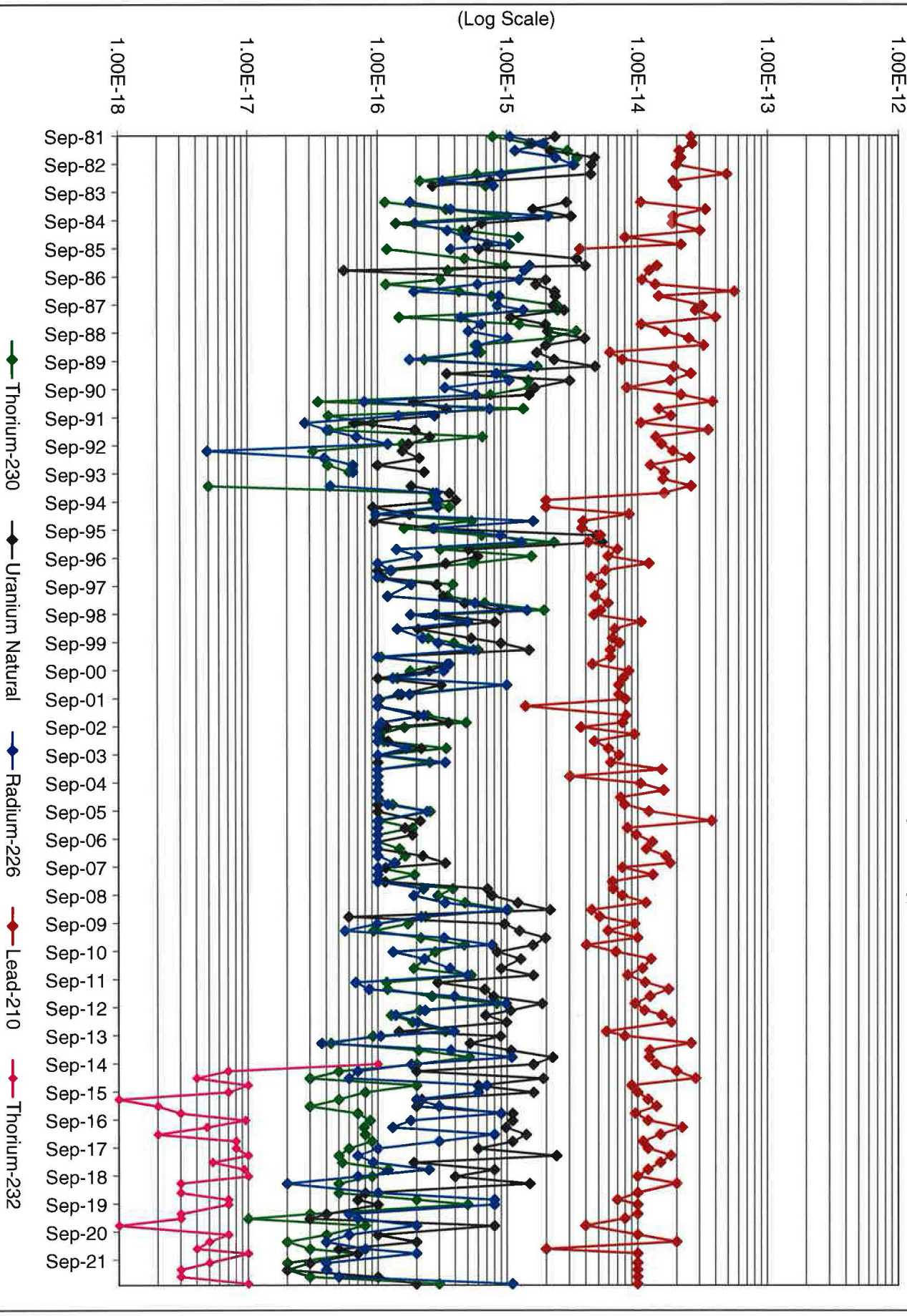
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-1T232	
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml		
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable		
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable		
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	
9/28/1981	2.35E-15	5.00E-12	1.25E-12	7.82E-16	8.00E-14	2.00E-14	1.06E-15	2.00E-12	5.00E-13	2.57E-14	1.06E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/14/1981	1.56E-15	5.00E-12	1.25E-12	1.49E-15	8.00E-14	2.00E-14	1.93E-15	2.00E-12	5.00E-13	2.64E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
3/29/1982	2.16E-15	5.00E-12	1.25E-12	2.93E-15	8.00E-14	2.00E-14	1.16E-15	2.00E-12	5.00E-13	2.09E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
6/30/1982	4.69E-15	5.00E-12	1.25E-12	3.46E-15	8.00E-14	2.00E-14	2.38E-15	2.00E-12	5.00E-13	2.14E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
9/27/1982	4.45E-15	5.00E-12	1.25E-12	3.29E-15	8.00E-14	2.00E-14	3.23E-15	2.00E-12	5.00E-13	1.99E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
1/3/1983	4.39E-15	5.00E-12	1.25E-12	5.91E-16	8.00E-14	2.00E-14	9.14E-16	2.00E-12	5.00E-13	4.87E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
4/4/1983	7.51E-16	5.00E-12	1.25E-12	2.13E-16	8.00E-14	2.00E-14	3.20E-16	2.00E-12	5.00E-13	1.88E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
6/30/1983	2.68E-16	5.00E-12	1.25E-12	6.92E-16	8.00E-14	2.00E-14	7.92E-16	2.00E-12	5.00E-13	2.00E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
10/3/1983		5.00E-12	1.25E-12		8.00E-14	2.00E-14	0.00E+00	2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
1/3/1984	2.87E-15	5.00E-12	1.25E-12	1.14E-16	8.00E-14	2.00E-14	1.79E-16	2.00E-12	5.00E-13	1.06E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
4/2/1984	1.59E-15	5.00E-12	1.25E-12	3.40E-16	8.00E-14	2.00E-14	3.71E-16	2.00E-12	5.00E-13	3.34E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
7/2/1984	3.10E-15	5.00E-12	1.25E-12	1.00E-15	8.00E-14	2.00E-14	2.09E-15	2.00E-12	5.00E-13	1.88E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
10/1/1984	6.42E-16	5.00E-12	1.25E-12	1.39E-16	8.00E-14	2.00E-14	1.94E-16	2.00E-12	5.00E-13	1.85E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
1/2/1985	5.06E-16	5.00E-12	1.25E-12	4.56E-16	8.00E-14	2.00E-14	3.49E-16	2.00E-12	5.00E-13	3.03E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
4/1/1985	0.00E+00	5.00E-12	1.25E-12	1.23E-15	8.00E-14	2.00E-14	4.88E-16	2.00E-12	5.00E-13	8.06E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
7/1/1985	7.17E-16	5.00E-12	1.25E-12		8.00E-14	2.00E-14	1.05E-15	2.00E-12	5.00E-13	2.15E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
9/30/1985	6.13E-16	5.00E-12	1.25E-12	1.18E-16	8.00E-14	2.00E-14	3.71E-16	2.00E-12	5.00E-13	3.64E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
1/2/1986	3.42E-15	5.00E-12	1.25E-12	4.74E-16	8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
4/1/1986	3.98E-15	5.00E-12	1.25E-12	9.74E-16	8.00E-14	2.00E-14	1.50E-15	2.00E-12	5.00E-13	1.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
6/30/1986	5.51E-17	5.00E-12	1.25E-12	3.52E-16	8.00E-14	2.00E-14	1.37E-15	2.00E-12	5.00E-13	1.23E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
10/27/1986	1.99E-15	5.00E-12	1.25E-12	3.06E-16	8.00E-14	2.00E-14	1.25E-15	2.00E-12	5.00E-13	1.08E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
12/15/1986	1.67E-15	5.00E-12	1.25E-12	1.16E-16	8.00E-14	2.00E-14	5.98E-16	2.00E-12	5.00E-13	1.37E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
3/16/1987	2.33E-15	5.00E-12	1.25E-12	4.30E-16	8.00E-14	2.00E-14	1.92E-16	2.00E-12	5.00E-13	5.59E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/11/1987	2.36E-15	5.00E-12	1.25E-12	7.69E-16	8.00E-14	2.00E-14	8.76E-16	2.00E-12	5.00E-13	1.45E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
9/9/1987	2.27E-15	5.00E-12	1.25E-12	2.44E-15	8.00E-14	2.00E-14	8.51E-16	2.00E-12	5.00E-13	3.14E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/2/1987	2.75E-15	5.00E-12	1.25E-12	2.46E-15	8.00E-14	2.00E-14	1.34E-15	2.00E-12	5.00E-13	2.79E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/16/1988	1.07E-15	5.00E-12	1.25E-12	1.47E-16	8.00E-14	2.00E-14	4.44E-16	2.00E-12	5.00E-13	4.01E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/18/1988	1.98E-15	5.00E-12	1.25E-12	1.25E-15	8.00E-14	2.00E-14	6.40E-16	2.00E-12	5.00E-13	1.07E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
8/15/1988	2.06E-15	5.00E-12	1.25E-12	3.41E-15	8.00E-14	2.00E-14	5.08E-16	2.00E-12	5.00E-13	1.62E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/14/1988	3.94E-15	5.00E-12	1.25E-12	2.12E-15	8.00E-14	2.00E-14	1.01E-15	2.00E-12	5.00E-13	2.47E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/13/1989	1.99E-15	5.00E-12	1.25E-12	5.73E-16	8.00E-14	2.00E-14	5.99E-16	2.00E-12	5.00E-13	3.23E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/15/1989	1.70E-15	5.00E-12	1.25E-12	6.32E-16	8.00E-14	2.00E-14	5.86E-16	2.00E-12	5.00E-13	6.16E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
8/14/1989	2.31E-15	5.00E-12	1.25E-12	2.31E-16	8.00E-14	2.00E-14	1.77E-16	2.00E-12	5.00E-13	7.65E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/13/1989	4.72E-15	5.00E-12	1.25E-12	1.71E-15	8.00E-14	2.00E-14	1.52E-15	2.00E-12	5.00E-13	1.89E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/12/1990	3.44E-16	5.00E-12	1.25E-12	8.39E-16	8.00E-14	2.00E-14	8.31E-16	2.00E-12	5.00E-13	2.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/14/1990	3.03E-15	5.00E-12	1.25E-12	1.47E-15	8.00E-14	2.00E-14	1.04E-15	2.00E-12	5.00E-13	1.79E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
8/13/1990	1.64E-15	5.00E-12	1.25E-12	1.49E-15	8.00E-14	2.00E-14	3.34E-16	2.00E-12	5.00E-13	8.27E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/12/1990	1.48E-15	5.00E-12	1.25E-12	7.50E-16	8.00E-14	2.00E-14	5.80E-16	2.00E-12	5.00E-13	2.16E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/11/1991	1.90E-16	5.00E-12	1.25E-12	3.48E-17	8.00E-14	2.00E-14	7.91E-17	2.00E-12	5.00E-13	3.79E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/13/1991	3.42E-16	5.00E-12	1.25E-12	1.34E-15	8.00E-14	2.00E-14	7.39E-16	2.00E-12	5.00E-13	1.46E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
8/12/1991	2.77E-16	5.00E-12	1.25E-12	4.17E-17	8.00E-14	2.00E-14	1.45E-16	2.00E-12	5.00E-13	1.80E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/11/1991	6.65E-17	5.00E-12	1.25E-12	9.13E-17	8.00E-14	2.00E-14	2.77E-17	2.00E-12	5.00E-13	1.06E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/10/1992	1.94E-16	5.00E-12	1.25E-12	4.28E-17	8.00E-14	2.00E-14	4.08E-17	2.00E-12	5.00E-13	3.51E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/11/1992	2.54E-16	5.00E-12	1.25E-12	6.49E-16	8.00E-14	2.00E-14	6.86E-17	2.00E-12	5.00E-13	1.38E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
8/10/1992	1.73E-16	5.00E-12	1.25E-12	1.55E-16	8.00E-14	2.00E-14	1.20E-16	2.00E-12	5.00E-13	1.53E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
11/9/1992	1.56E-16	5.00E-12	1.25E-12	3.19E-17	8.00E-14	2.00E-14	4.90E-18	2.00E-12	5.00E-13	1.86E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
2/9/1993	2.10E-16	5.00E-12	1.25E-12		8.00E-14	2.00E-14	3.89E-17	2.00E-12	5.00E-13	2.52E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	
5/10/1993	1.00E-16	5.00E-12	1.25E-12	4.11E-17	8.00E-14	2.00E-14	6.43E-17	2.00E-12	5.00E-13	1.26E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable	

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-1T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
8/10/1993	2.30E-16	5.00E-12	1.25E-12	6.00E-17	8.00E-14	2.00E-14	6.43E-17	2.00E-12	5.00E-13	1.60E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/8/1993		5.00E-12	1.25E-12		8.00E-14	2.00E-14	0.00E+00	2.00E-12	5.00E-13	1.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1994	1.82E-16	5.00E-12	1.25E-12	5.00E-18	8.00E-14	2.00E-14	4.30E-17	2.00E-12	5.00E-13	2.59E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/9/1994	3.60E-16	5.00E-12	1.25E-12	2.70E-16	8.00E-14	2.00E-14	2.87E-16	2.00E-12	5.00E-13	1.60E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/9/1994	4.04E-16	5.00E-12	1.25E-12	2.70E-16	8.00E-14	2.00E-14	2.94E-16	2.00E-12	5.00E-13	2.00E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/7/1994	9.18E-17	5.00E-12	1.25E-12	3.60E-16	8.00E-14	2.00E-14	2.91E-16	2.00E-12	5.00E-13	2.00E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1995	1.77E-16	9.00E-14	2.25E-14	9.70E-17	2.00E-14	5.00E-15	9.70E-17	9.00E-13	2.25E-13	8.60E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/9/1995	9.40E-17	9.00E-14	2.25E-14	5.36E-16	2.00E-14	5.00E-15	1.60E-15	9.00E-13	2.25E-13	3.84E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/9/1995	2.70E-16	9.00E-14	2.25E-14	1.60E-16	2.00E-14	5.00E-15	2.76E-16	9.00E-13	2.25E-13	3.76E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/11/1995	4.80E-15	9.00E-14	2.25E-14	6.41E-16	2.00E-14	5.00E-15	8.93E-16	9.00E-13	2.25E-13	5.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/5/1996	5.34E-15	9.00E-14	2.25E-14	2.30E-15	2.00E-14	5.00E-15	1.30E-15	9.00E-13	2.25E-13	4.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/6/1996	5.11E-16	9.00E-14	2.25E-14	3.06E-16	2.00E-14	5.00E-15	1.40E-16	9.00E-13	2.25E-13	7.03E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/5/1996	5.99E-16	9.00E-14	2.25E-14	1.55E-15	2.00E-14	5.00E-15	2.03E-16	9.00E-13	2.25E-13	5.94E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/6/1996	3.38E-16	9.00E-14	2.25E-14	5.45E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.22E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/6/1997	1.00E-16	9.00E-14	2.25E-14	1.25E-16	2.00E-14	5.00E-15	1.28E-16	9.00E-13	2.25E-13	5.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/5/1997	1.09E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.39E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/11/1997	2.88E-16	9.00E-14	2.25E-14	3.83E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	5.29E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/5/1998	3.24E-16	9.00E-14	2.25E-14	3.47E-16	2.00E-14	5.00E-15	1.19E-16	9.00E-13	2.25E-13	4.73E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/28/1998	4.75E-16	9.00E-14	2.25E-14	6.73E-16	2.00E-14	5.00E-15	5.69E-16	9.00E-13	2.25E-13	5.94E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/31/1998	8.84E-16	9.00E-14	2.25E-14	1.93E-15	2.00E-14	5.00E-15	1.43E-15	9.00E-13	2.25E-13	5.22E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/28/1998	2.81E-16	9.00E-14	2.25E-14	2.89E-16	2.00E-14	5.00E-15	1.80E-16	9.00E-13	2.25E-13	4.64E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1998	8.08E-16	9.00E-14	2.25E-14	4.93E-16	2.00E-14	5.00E-15	5.01E-16	9.00E-13	2.25E-13	1.06E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/1999	2.06E-16	9.00E-14	2.25E-14	2.06E-16	2.00E-14	5.00E-15	1.42E-16	9.00E-13	2.25E-13	6.69E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/1999	5.31E-16	9.00E-14	2.25E-14	2.47E-16	2.00E-14	5.00E-15	2.23E-16	9.00E-13	2.25E-13	6.44E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/1999	8.98E-16	9.00E-14	2.25E-14	3.90E-16	2.00E-14	5.00E-15	2.96E-16	9.00E-13	2.25E-13	7.29E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1999	1.48E-15	9.00E-14	2.25E-14	6.00E-16	2.00E-14	5.00E-15	5.57E-16	9.00E-13	2.25E-13	6.19E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/27/2000	1.00E-16	9.00E-14	2.25E-14	1.06E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.23E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/26/2000	3.47E-16	9.00E-14	2.25E-14	3.46E-16	2.00E-14	5.00E-15	3.62E-16	9.00E-13	2.25E-13	4.50E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2000	2.51E-16	9.00E-14	2.25E-14	1.78E-16	2.00E-14	5.00E-15	3.25E-16	9.00E-13	2.25E-13	8.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/26/2000	1.00E-16	9.00E-14	2.25E-14	1.42E-16	2.00E-14	5.00E-15	1.31E-16	9.00E-13	2.25E-13	7.77E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/26/2001	3.10E-16	9.00E-14	2.25E-14	1.00E-15	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	7.19E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/29/2001	1.52E-16	9.00E-14	2.25E-14	1.44E-16	2.00E-14	5.00E-15	1.77E-16	9.00E-13	2.25E-13	7.21E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/24/2001	1.03E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.09E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2001	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.39E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/1/2002	2.05E-16	9.00E-14	2.25E-14	2.44E-16	2.00E-14	5.00E-15	2.29E-16	9.00E-13	2.25E-13	8.15E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/1/2002	3.55E-16	9.00E-14	2.25E-14	4.85E-16	2.00E-14	5.00E-15	1.06E-16	9.00E-13	2.25E-13	7.65E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2002	1.17E-16	9.00E-14	2.25E-14	1.61E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2002	1.00E-16	9.00E-14	2.25E-14	1.03E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.46E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2003	1.20E-16	9.00E-14	2.25E-14	1.12E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2003	2.18E-16	9.00E-14	2.25E-14	3.40E-16	2.00E-14	5.00E-15	1.67E-16	9.00E-13	2.25E-13	5.96E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/29/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.28E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/29/2003	1.00E-16	9.00E-14	2.25E-14	2.54E-16	2.00E-14	5.00E-15	3.35E-16	9.00E-13	2.25E-13	6.25E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.54E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.04E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.05E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.59E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/28/2005	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.42E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/29/2005	1.00E-16	9.00E-14	2.25E-14	1.30E-16	2.00E-14	5.00E-15	1.20E-16	9.00E-13	2.25E-13	7.94E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-1T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/26/2005	1.00E-16	9.00E-14	2.25E-14	2.56E-16	2.00E-14	5.00E-15	2.42E-16	9.00E-13	2.25E-13	1.22E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2006	2.13E-16	9.00E-14	2.25E-14	1.04E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.73E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2006	1.62E-16	9.00E-14	2.25E-14	1.86E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.36E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/2006	1.86E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.77E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/2/2006	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/1/2007	1.00E-16	9.00E-14	2.25E-14	1.47E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.17E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/2/2007	2.23E-16	9.00E-14	2.25E-14	1.63E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.65E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2007	3.35E-16	9.00E-14	2.25E-14	1.34E-16	2.00E-14	5.00E-15	1.36E-16	9.00E-13	2.25E-13	1.78E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2007	1.15E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2007	1.00E-16	9.00E-14	2.25E-14	1.93E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2008	1.14E-16	9.00E-14	2.25E-14	1.13E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.44E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2008	7.09E-16	9.00E-14	2.25E-14	3.83E-16	2.00E-14	5.00E-15	2.27E-16	9.00E-13	2.25E-13	6.52E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2008	7.69E-16	9.00E-14	2.25E-14	2.94E-16	2.00E-14	5.00E-15	1.90E-16	9.00E-13	2.25E-13	7.64E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2008	1.21E-15	9.00E-14	2.25E-14	4.76E-16	2.00E-14	5.00E-15	3.34E-16	9.00E-13	2.25E-13	1.16E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/15/2009	2.14E-15	9.00E-14	2.25E-14	1.02E-15	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	4.44E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/15/2009	5.97E-17	9.00E-14	2.25E-14	2.35E-16	2.00E-14	5.00E-15	2.18E-16	9.00E-13	2.25E-13	5.13E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/15/2009	9.55E-16	9.00E-14	2.25E-14	1.71E-16	2.00E-14	5.00E-15	9.87E-17	9.00E-13	2.25E-13	9.47E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/15/2009	1.24E-15	9.00E-14	2.25E-14	9.25E-17	2.00E-14	5.00E-15	5.60E-17	9.00E-13	2.25E-13	5.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2010	1.97E-15	9.00E-14	2.25E-14	2.15E-16	2.00E-14	5.00E-15	3.27E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2010	1.58E-15	9.00E-14	2.25E-14	4.71E-16	2.00E-14	5.00E-15	7.70E-16	9.00E-13	2.25E-13	4.07E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2010	8.42E-16	9.00E-14	2.25E-14	2.80E-16	2.00E-14	5.00E-15	1.31E-16	9.00E-13	2.25E-13	6.80E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2010	1.27E-15	9.00E-14	2.25E-14	2.32E-16	2.00E-14	5.00E-15	2.30E-16	9.00E-13	2.25E-13	1.27E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/4/2011	9.01E-16	9.00E-14	2.25E-14	1.90E-16	2.00E-14	5.00E-15	3.64E-16	9.00E-13	2.25E-13	1.09E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/4/2011	1.59E-15	9.00E-14	2.25E-14	5.31E-16	2.00E-14	5.00E-15	4.99E-16	9.00E-13	2.25E-13	8.38E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/3/2011	2.92E-16	9.00E-14	2.25E-14	1.17E-16	2.00E-14	5.00E-15	6.76E-17	9.00E-13	2.25E-13	1.14E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2012	6.73E-16	9.00E-14	2.25E-14	1.19E-16	2.00E-14	5.00E-15	8.58E-17	9.00E-13	2.25E-13	1.73E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2012	7.87E-16	9.00E-14	2.25E-14	2.64E-16	2.00E-14	5.00E-15	3.95E-16	9.00E-13	2.25E-13	1.25E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2012	1.86E-15	9.00E-14	2.25E-14	8.33E-16	2.00E-14	5.00E-15	9.85E-16	9.00E-13	2.25E-13	9.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/1/2012	1.06E-15	9.00E-14	2.25E-14	2.11E-16	2.00E-14	5.00E-15	2.34E-16	9.00E-13	2.25E-13	1.13E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2012	6.86E-16	9.00E-14	2.25E-14	1.27E-16	2.00E-14	5.00E-15	1.38E-16	9.00E-13	2.25E-13	1.54E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/25/2013	9.91E-16	9.00E-14	2.25E-14	1.86E-16	2.00E-14	5.00E-15	2.04E-16	9.00E-13	2.25E-13	1.82E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2013	1.46E-16	9.00E-14	2.25E-14	3.34E-16	2.00E-14	5.00E-15	3.91E-16	9.00E-13	2.25E-13	5.78E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2013	8.89E-16	9.00E-14	2.25E-14	9.13E-17	2.00E-14	5.00E-15	1.05E-16	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2013	5.21E-16	9.00E-14	2.25E-14	4.34E-17	2.00E-14	5.00E-15	3.70E-17	9.00E-13	2.25E-13	2.59E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2014	1.07E-15	9.00E-14	2.25E-14	2.07E-16	2.00E-14	5.00E-15	3.69E-16	9.00E-13	2.25E-13	1.24E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2014	2.24E-15	9.00E-14	2.25E-14	5.14E-16	2.00E-14	5.00E-15	1.09E-15	9.00E-13	2.25E-13	1.23E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2014	1.59E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.39E-14	6.00E-13	1.50E-13	1.00E-16	4.00E-15	1.00E-15
12/29/2014	2.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
3/30/2015	1.90E-15	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	2.80E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/29/2015	6.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	7.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/28/2015	1.60E-15	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	6.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
12/28/2015	2.20E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
3/28/2016	2.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/27/2016	1.10E-15	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	9.00E-16	9.00E-13	2.25E-13	9.60E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
9/27/2016	1.10E-15	9.00E-14	2.25E-14	8.70E-17	2.00E-14	5.00E-15	1.80E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	9.50E-18	4.00E-15	1.00E-15
12/27/2016	9.80E-16	9.00E-14	2.25E-14	7.80E-17	2.00E-14	5.00E-15	1.30E-16	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	4.80E-18	4.00E-15	1.00E-15
3/27/2017	1.40E-15	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	8.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/26/2017	1.10E-15	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15

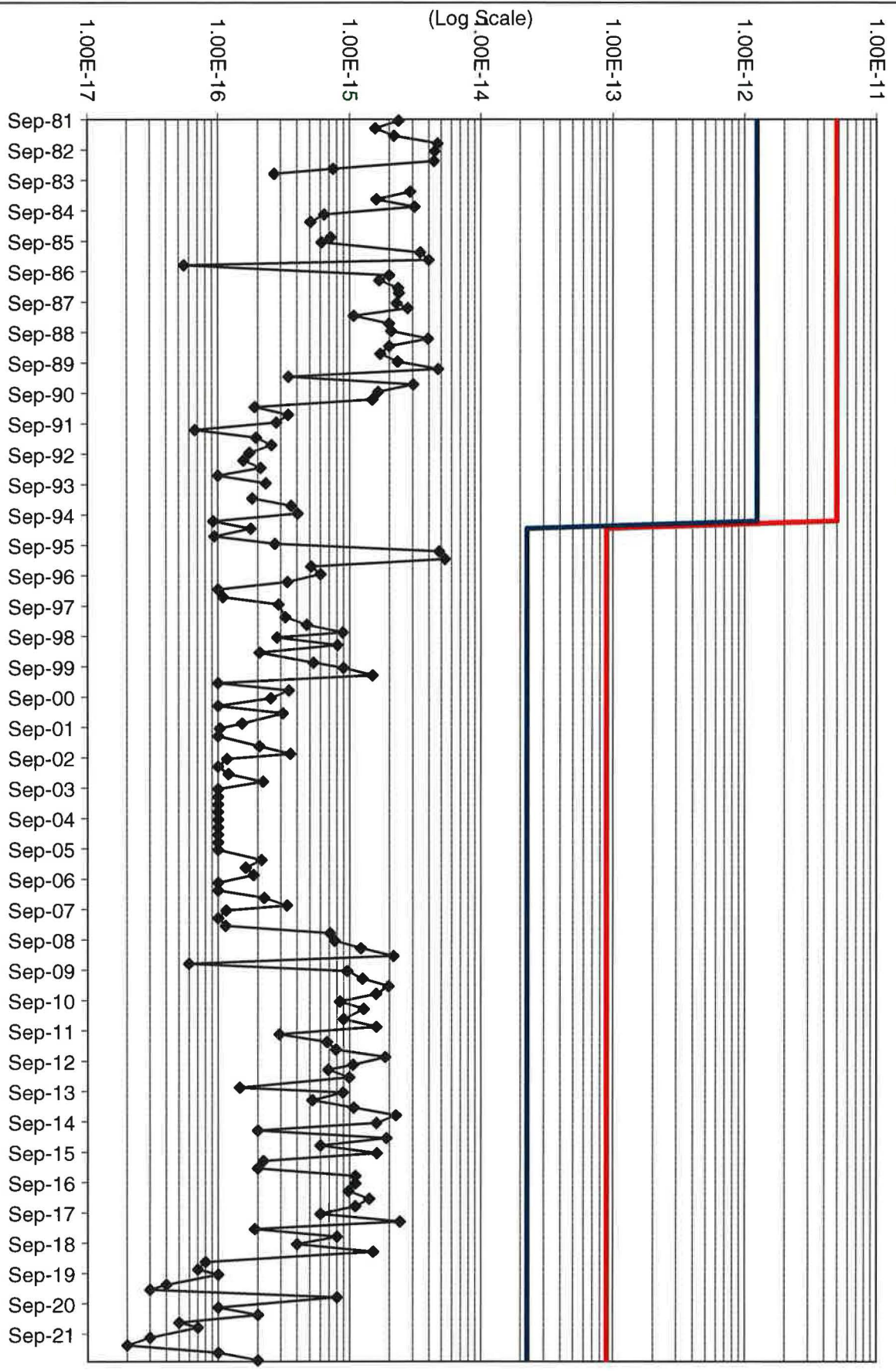
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-1T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/25/2017	6.00E-16	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
12/26/2017	2.40E-15	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	1.80E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
3/26/2018	1.90E-16	9.00E-14	2.25E-14	5.30E-17	2.00E-14	5.00E-15	9.20E-17	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	5.30E-18	4.00E-15	1.00E-15
6/25/2018	8.00E-16	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	2.50E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	9.30E-18	4.00E-15	1.00E-15
9/24/2018	4.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/31/2018	1.50E-15	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	2.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
4/1/2019	8.00E-17	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/1/2019	7.00E-17	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	8.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
9/30/2019	1.00E-16	9.00E-14	2.25E-14	5.00E-16	2.00E-14	5.00E-15	8.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
1/6/2020	4.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
3/30/2020	3.00E-17	9.00E-14	2.25E-14	1.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/30/2020	8.00E-16	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	4.00E-15	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
10/12/2020	1.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
1/4/2021	2.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/5/2021	5.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	2.00E-15	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/28/2021	7.00E-17	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	3.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
1/4/2022	2.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
4/4/2022	1.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/5/2022	2.00E-16	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	1.10E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15

BHV-1 Radionuclide Concentrations (uCi/m³)



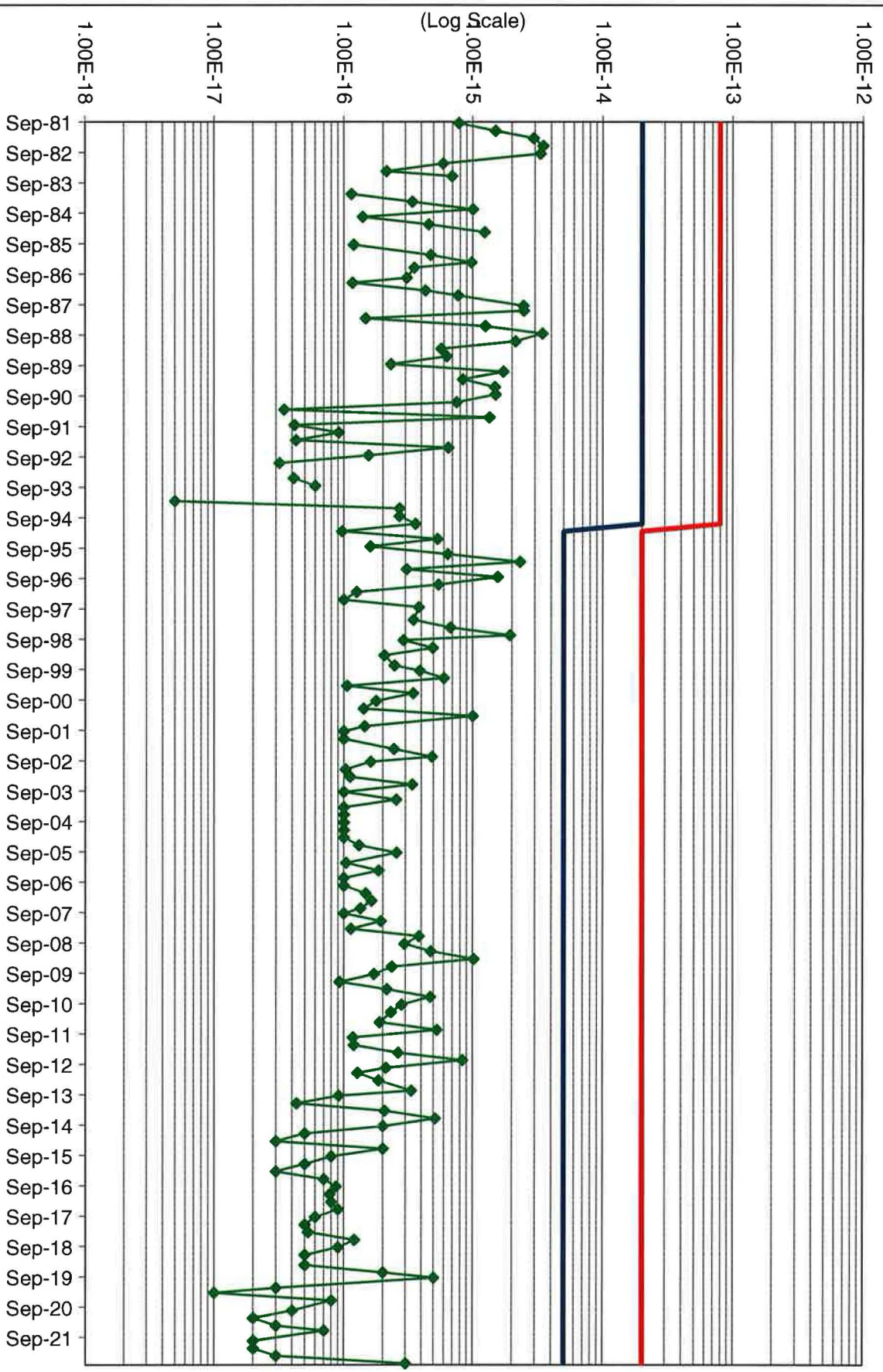
Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml

BHV-1 Uranium-Natural Concentrations (uCi/ml)



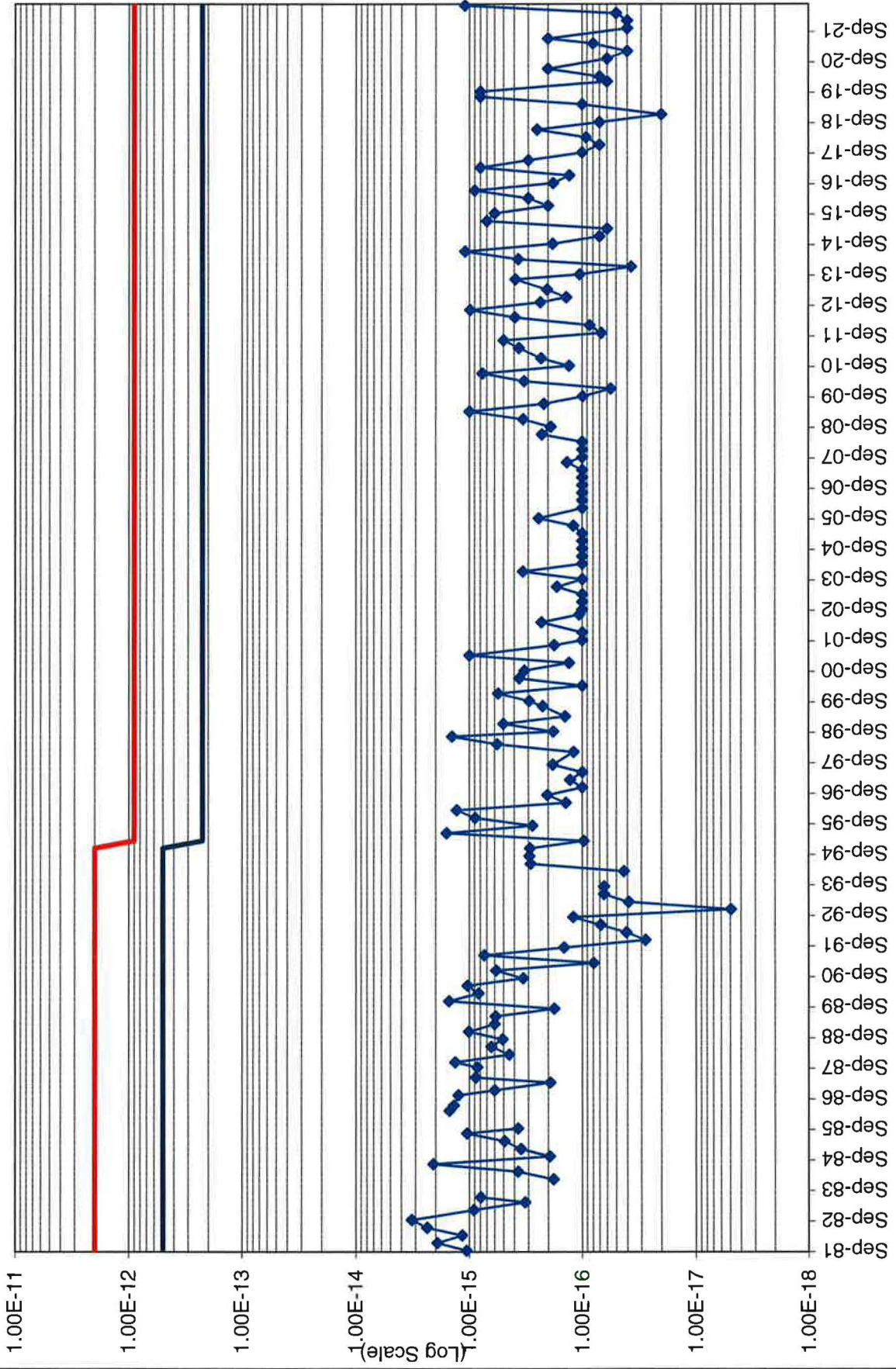
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-1 Thorium-230 Concentrations (uCi/ml)



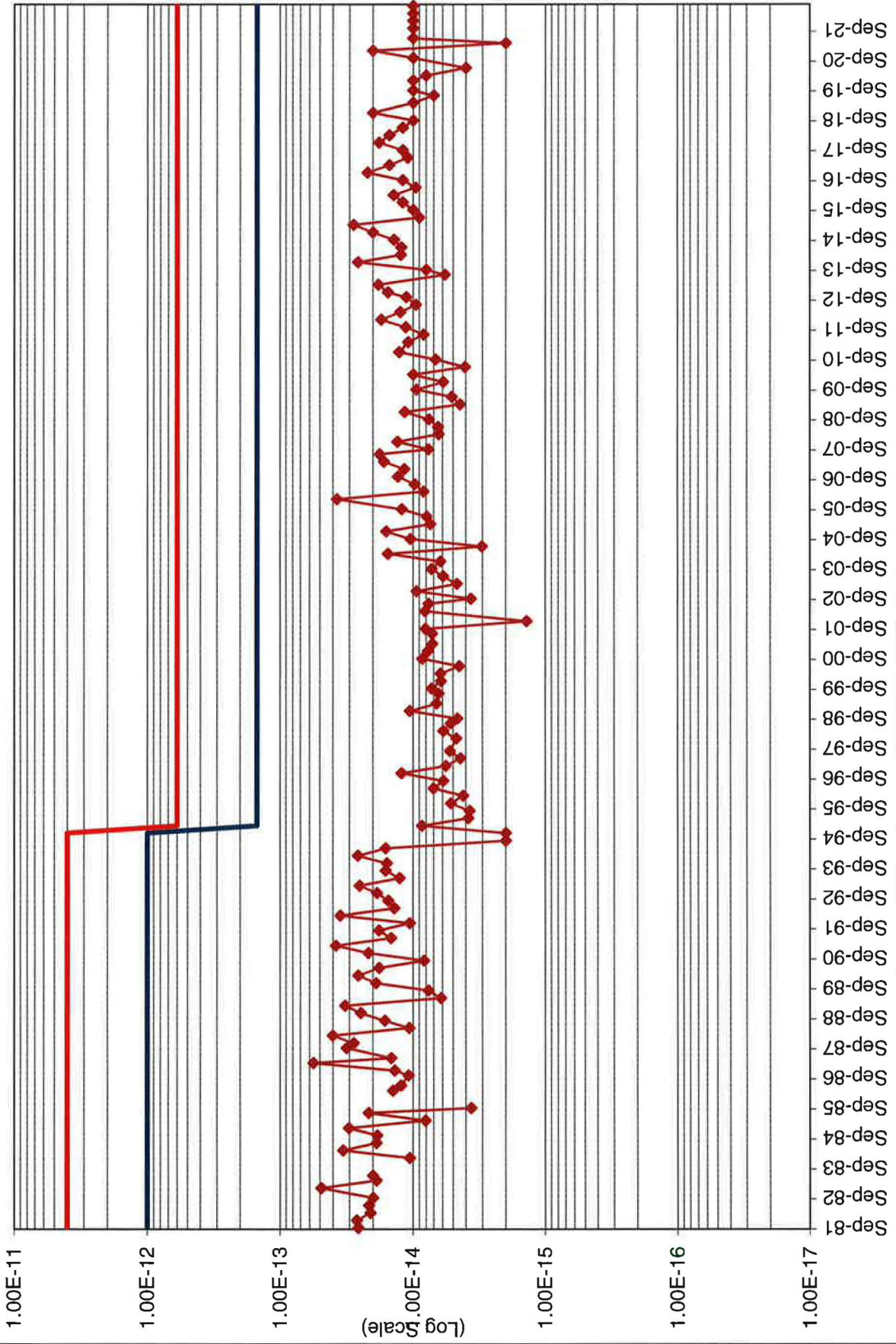
BHV-1 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = $9E-13$ uCi/ml
ALARA Goal = $2.25E-13$ uCi/ml
Pre 1994 MPC Limit = $2E-12$ uCi/ml
Pre 1994 ALARA Goal = $5E-13$ uCi/ml



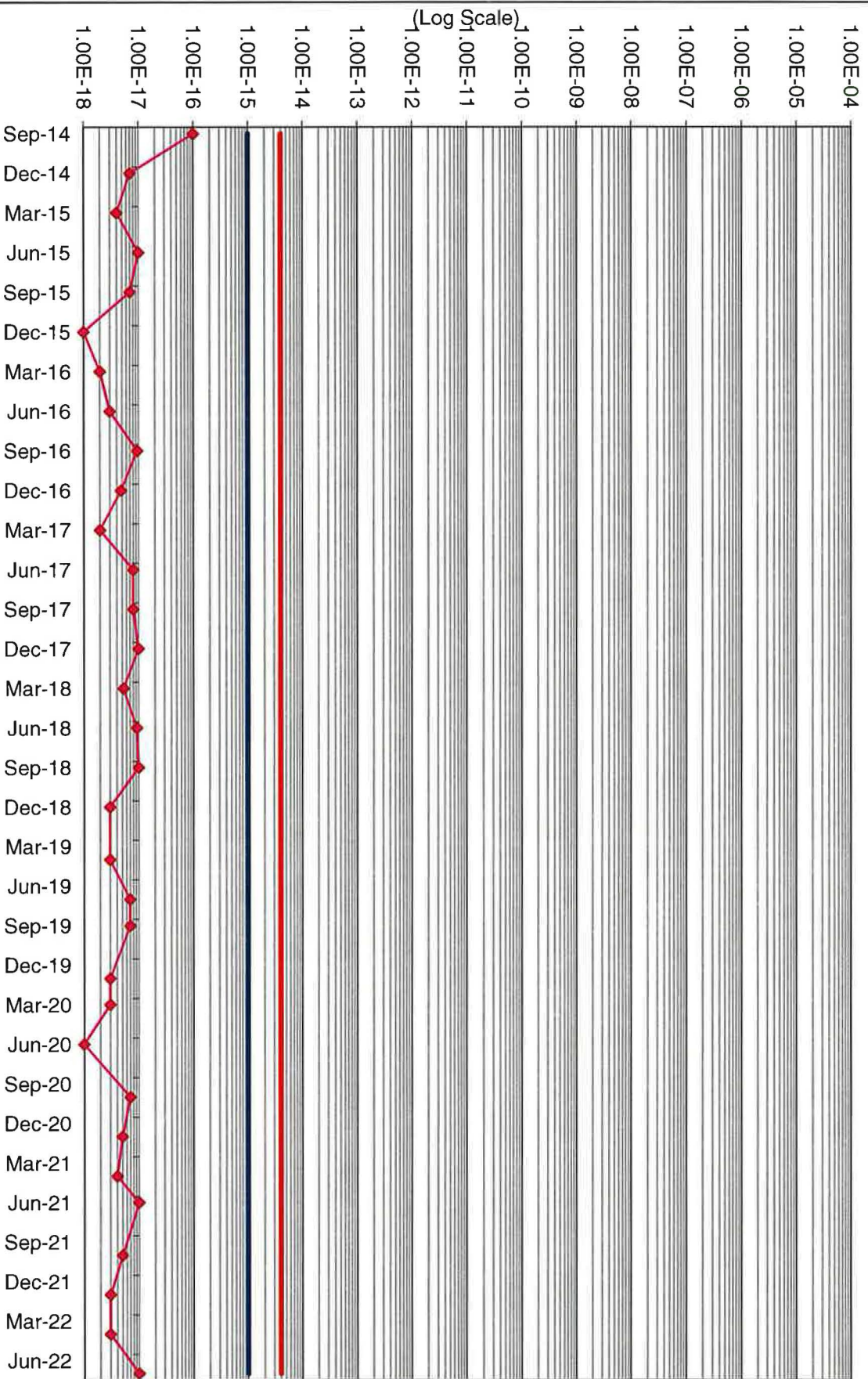
BHV-1 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-1 Thorium-232 Concentrations (uCi/ml)



TAB 2

BHV-2 AIR SAMPLING GRAPHS AND DATA TABLE

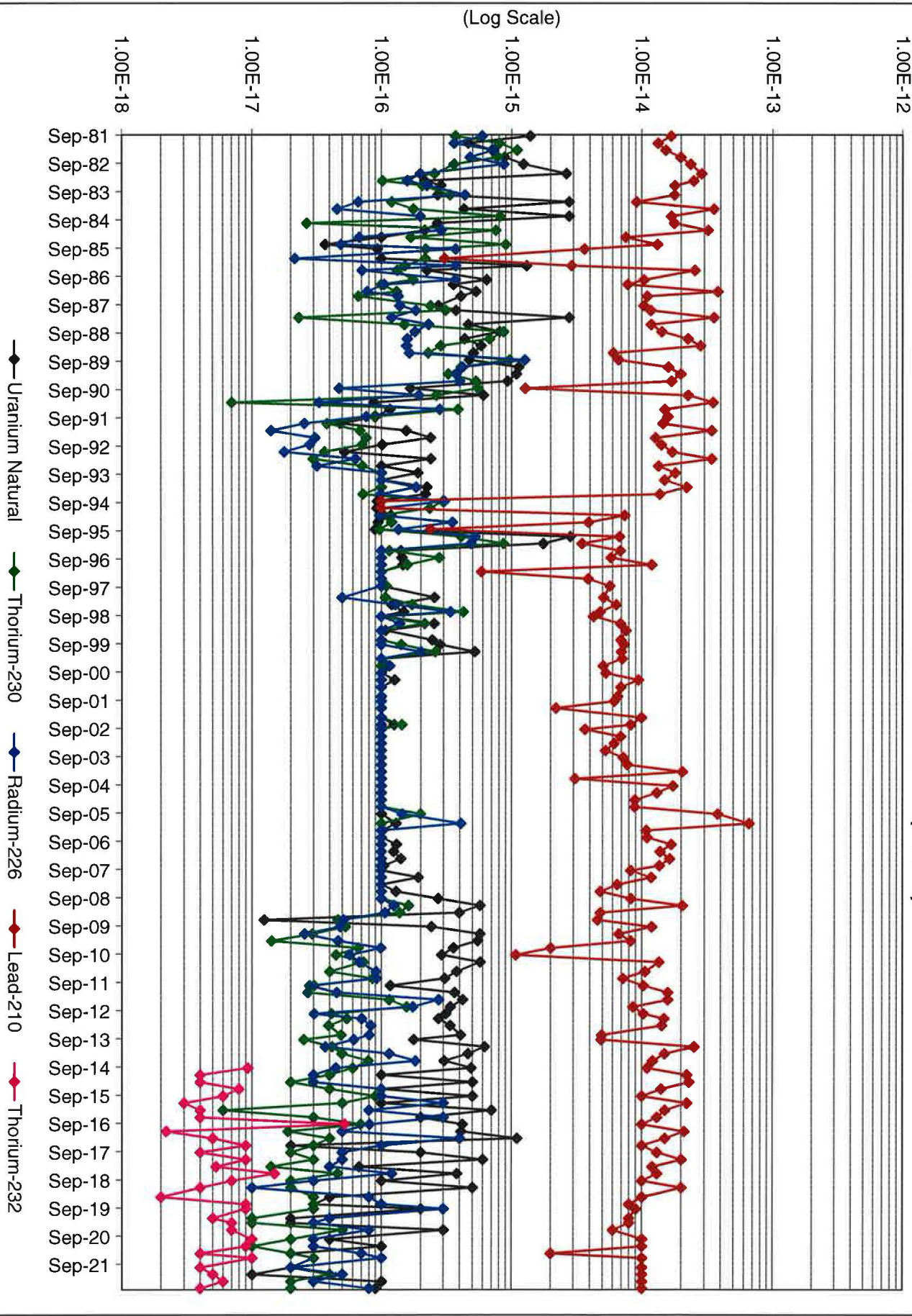
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-2U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-2T230	Effluent Concentration Limit =	9E-15 uCi/ml	BHV-2R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-2PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-2T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/28/1981	1.39E-15	5.00E-12	1.25E-12	3.69E-16	8.00E-14	2.00E-14	5.92E-16	2.00E-12	5.00E-13	1.67E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/14/1981	4.62E-16	5.00E-12	1.25E-12	8.03E-16	8.00E-14	2.00E-14	3.62E-16	2.00E-12	5.00E-13	1.33E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/29/1982	7.07E-16	5.00E-12	1.25E-12	1.10E-15	8.00E-14	2.00E-14	7.27E-16	2.00E-12	5.00E-13	1.52E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1982	8.84E-16	5.00E-12	1.25E-12	7.73E-16	8.00E-14	2.00E-14	4.78E-16	2.00E-12	5.00E-13	1.98E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/27/1982	1.23E-15	5.00E-12	1.25E-12	3.60E-16	8.00E-14	2.00E-14	8.73E-16	2.00E-12	5.00E-13	2.35E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1983	2.64E-15	5.00E-12	1.25E-12	2.55E-16	8.00E-14	2.00E-14	1.98E-16	2.00E-12	5.00E-13	2.85E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/4/1983	2.14E-16	5.00E-12	1.25E-12	1.02E-16	8.00E-14	2.00E-14	1.57E-16	2.00E-12	5.00E-13	2.48E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1983	2.85E-16	5.00E-12	1.25E-12	2.06E-16	8.00E-14	2.00E-14	2.24E-16	2.00E-12	5.00E-13	1.79E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/3/1983	2.70E-16	5.00E-12	1.25E-12	3.36E-16	8.00E-14	2.00E-14	4.37E-16	2.00E-12	5.00E-13	1.78E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1984	2.78E-15	5.00E-12	1.25E-12	1.20E-16	8.00E-14	2.00E-14	6.64E-17	2.00E-12	5.00E-13	9.14E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/2/1984	4.28E-16	5.00E-12	1.25E-12	1.75E-16	8.00E-14	2.00E-14	4.57E-17	2.00E-12	5.00E-13	3.55E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/2/1984	2.78E-15	5.00E-12	1.25E-12	8.12E-16	8.00E-14	2.00E-14	1.98E-16	2.00E-12	5.00E-13	1.68E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/1/1984	2.69E-16	5.00E-12	1.25E-12	2.66E-17	8.00E-14	2.00E-14	0.00E+00	2.00E-12	5.00E-13	1.77E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1985	2.15E-16	5.00E-12	1.25E-12	7.55E-16	8.00E-14	2.00E-14	2.87E-16	2.00E-12	5.00E-13	3.19E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1985	1.00E-16	5.00E-12	1.25E-12	1.67E-16	8.00E-14	2.00E-14	6.75E-17	2.00E-12	5.00E-13	7.56E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/1/1985	3.70E-17	5.00E-12	1.25E-12	9.00E-16	8.00E-14	2.00E-14	4.90E-17	2.00E-12	5.00E-13	1.31E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/30/1985	9.32E-17	5.00E-12	1.25E-12	2.18E-16	8.00E-14	2.00E-14	3.71E-16	2.00E-12	5.00E-13	3.64E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1986	1.00E-16	5.00E-12	1.25E-12	2.16E-16	8.00E-14	2.00E-14	2.15E-17	2.00E-12	5.00E-13	3.04E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1986	1.31E-15	5.00E-12	1.25E-12	1.50E-16	8.00E-14	2.00E-14	3.71E-16	2.00E-12	5.00E-13	2.90E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1986	2.23E-16	5.00E-12	1.25E-12	1.32E-16	8.00E-14	2.00E-14	7.09E-17	2.00E-12	5.00E-13	2.53E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/27/1986	6.41E-16	5.00E-12	1.25E-12	1.74E-16	8.00E-14	2.00E-14	3.67E-16	2.00E-12	5.00E-13	1.04E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/15/1986	3.56E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.05E-16	2.00E-12	5.00E-13	7.81E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/16/1987	5.31E-16	5.00E-12	1.25E-12	1.30E-16	8.00E-14	2.00E-14	7.74E-17	2.00E-12	5.00E-13	3.80E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1987	4.06E-16	5.00E-12	1.25E-12	6.63E-17	8.00E-14	2.00E-14	1.34E-16	2.00E-12	5.00E-13	1.10E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/9/1987	2.74E-16	5.00E-12	1.25E-12	2.38E-16	8.00E-14	2.00E-14	1.38E-16	2.00E-12	5.00E-13	1.04E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/2/1987	3.73E-16	5.00E-12	1.25E-12	3.11E-16	8.00E-14	2.00E-14	1.83E-16	2.00E-12	5.00E-13	1.17E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/16/1988	2.78E-15	5.00E-12	1.25E-12	2.31E-17	8.00E-14	2.00E-14	1.20E-16	2.00E-12	5.00E-13	3.55E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/18/1988	4.63E-16	5.00E-12	1.25E-12	1.49E-16	8.00E-14	2.00E-14	2.30E-16	2.00E-12	5.00E-13	1.18E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/15/1988	8.06E-16	5.00E-12	1.25E-12	8.69E-16	8.00E-14	2.00E-14	1.80E-16	2.00E-12	5.00E-13	1.42E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/14/1988	4.34E-16	5.00E-12	1.25E-12	6.76E-16	8.00E-14	2.00E-14	1.57E-16	2.00E-12	5.00E-13	2.25E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/13/1989	5.80E-16	5.00E-12	1.25E-12	2.85E-16	8.00E-14	2.00E-14	1.55E-16	2.00E-12	5.00E-13	2.80E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/15/1989	5.06E-16	5.00E-12	1.25E-12	2.28E-16	8.00E-14	2.00E-14	1.63E-16	2.00E-12	5.00E-13	6.05E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/14/1989	4.71E-16	5.00E-12	1.25E-12	9.60E-16	8.00E-14	2.00E-14	1.26E-15	2.00E-12	5.00E-13	6.65E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/13/1989	1.14E-15	5.00E-12	1.25E-12	4.08E-16	8.00E-14	2.00E-14	4.18E-16	2.00E-12	5.00E-13	1.59E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/12/1990	1.09E-15	5.00E-12	1.25E-12	3.25E-16	8.00E-14	2.00E-14	3.74E-16	2.00E-12	5.00E-13	1.98E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/14/1990	9.32E-16	5.00E-12	1.25E-12	5.27E-16	8.00E-14	2.00E-14	3.97E-16	2.00E-12	5.00E-13	1.69E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/13/1990	1.66E-16	5.00E-12	1.25E-12	5.49E-16	8.00E-14	2.00E-14	4.75E-17	2.00E-12	5.00E-13	1.27E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/12/1990	6.05E-16	5.00E-12	1.25E-12	2.64E-16	8.00E-14	2.00E-14	1.93E-16	2.00E-12	5.00E-13	2.25E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/11/1991	8.72E-17	5.00E-12	1.25E-12	7.00E-18	8.00E-14	2.00E-14	3.33E-17	2.00E-12	5.00E-13	3.49E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/13/1991	1.16E-16	5.00E-12	1.25E-12	3.86E-16	8.00E-14	2.00E-14	2.80E-16	2.00E-12	5.00E-13	1.50E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/12/1991	9.02E-17	5.00E-12	1.25E-12	8.82E-17	8.00E-14	2.00E-14	7.65E-17	2.00E-12	5.00E-13	1.58E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/11/1991	4.81E-17	5.00E-12	1.25E-12	3.82E-17	8.00E-14	2.00E-14	2.54E-17	2.00E-12	5.00E-13	1.45E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/10/1992	1.54E-16	5.00E-12	1.25E-12	6.82E-17	8.00E-14	2.00E-14	1.40E-17	2.00E-12	5.00E-13	3.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1992	2.38E-16	5.00E-12	1.25E-12	7.63E-17	8.00E-14	2.00E-14	3.07E-17	2.00E-12	5.00E-13	1.27E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1992	1.01E-16	5.00E-12	1.25E-12	7.07E-17	8.00E-14	2.00E-14	2.80E-17	2.00E-12	5.00E-13	1.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/9/1992	5.20E-17	5.00E-12	1.25E-12	3.65E-17	8.00E-14	2.00E-14	1.78E-17	2.00E-12	5.00E-13	1.71E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/9/1993	2.39E-16	5.00E-12	1.25E-12	2.97E-17	8.00E-14	2.00E-14	6.31E-17	2.00E-12	5.00E-13	3.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/10/1993	1.00E-16	5.00E-12	1.25E-12	7.11E-17	8.00E-14	2.00E-14	3.19E-17	2.00E-12	5.00E-13	1.34E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1993	1.90E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.80E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-2U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-2T230	Effluent Concentration Limit =	9E-15 uCi/ml	BHV-2R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-2PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-2T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
11/8/1993	1.00E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.49E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1994	2.23E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.84E-16	2.00E-12	5.00E-13	2.19E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/9/1994	2.16E-16	5.00E-12	1.25E-12	7.20E-17	8.00E-14	2.00E-14	9.89E-17	2.00E-12	5.00E-13	1.37E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/9/1994	9.29E-17	5.00E-12	1.25E-12	2.96E-16	8.00E-14	2.00E-14	3.04E-16	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/7/1994	9.21E-17	5.00E-12	1.25E-12	2.35E-16	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1995	1.18E-16	9.00E-14	2.25E-14	9.70E-15	2.00E-14	5.00E-15	9.70E-17	9.00E-13	2.25E-13	7.42E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/9/1995	9.40E-17	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	3.50E-16	9.00E-13	2.25E-13	3.90E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/9/1995	8.90E-17	9.00E-14	2.25E-14	9.67E-17	2.00E-14	5.00E-15	1.35E-16	9.00E-13	2.25E-13	2.38E-16	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/11/1995	2.83E-15	9.00E-14	2.25E-14	4.09E-16	2.00E-14	5.00E-15	5.23E-16	9.00E-13	2.25E-13	6.77E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/5/1996	1.75E-15	9.00E-14	2.25E-14	8.66E-16	2.00E-14	5.00E-15	4.86E-16	9.00E-13	2.25E-13	3.50E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/6/1996	1.40E-16	9.00E-14	2.25E-14	1.15E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.85E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/5/1996	1.43E-16	9.00E-14	2.25E-14	2.78E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.83E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/6/1996	1.45E-16	9.00E-14	2.25E-14	1.57E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.19E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/6/1997	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.84E-16	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/5/1997	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.89E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/11/1997	1.00E-16	9.00E-14	2.25E-14	1.09E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.69E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/5/1998	2.55E-16	9.00E-14	2.25E-14	1.07E-16	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	5.11E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/28/1998	1.20E-16	9.00E-14	2.25E-14	1.71E-16	2.00E-14	5.00E-15	1.28E-16	9.00E-13	2.25E-13	6.40E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/31/1998	1.47E-16	9.00E-14	2.25E-14	4.24E-16	2.00E-14	5.00E-15	3.39E-16	9.00E-13	2.25E-13	4.80E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/28/1998	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.26E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1998	2.54E-16	9.00E-14	2.25E-14	2.15E-16	2.00E-14	5.00E-15	1.38E-16	9.00E-13	2.25E-13	6.88E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/1999	1.07E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.61E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/1999	2.46E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/1999	2.81E-16	9.00E-14	2.25E-14	1.41E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.35E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1999	5.20E-16	9.00E-14	2.25E-14	2.60E-16	2.00E-14	5.00E-15	2.01E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/27/2000	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.12E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/26/2000	1.10E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.16E-16	9.00E-13	2.25E-13	5.07E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2000	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.31E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/26/2000	1.26E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.45E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/26/2001	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2001	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.56E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/24/2001	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.16E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2001	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/1/2002	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/1/2002	1.25E-16	9.00E-14	2.25E-14	1.43E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.25E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2002	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.69E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2002	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.91E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.16E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.27E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/29/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.23E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/29/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.80E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.04E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.09E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.73E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/28/2005	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.88E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/29/2005	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.85E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2005	1.00E-16	9.00E-14	2.25E-14	1.99E-16	2.00E-14	5.00E-15	1.44E-16	9.00E-13	2.25E-13	3.81E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2006	1.29E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	4.08E-16	9.00E-13	2.25E-13	6.58E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-2U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-2T230	Effluent Concentration Limit =	9E-15 uCi/ml	BHV-2R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-2PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-2T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
4/3/2006	1.02E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.08E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/2006	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/2/2006	1.30E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.68E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/1/2007	1.24E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.38E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/2/2007	1.40E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.63E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2007	1.04E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.36E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2007	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.24E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2007	1.91E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.18E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/30/2008	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.49E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2008	1.29E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.82E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2008	2.73E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.30E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2008	5.71E-16	9.00E-14	2.25E-14	1.61E-16	2.00E-14	5.00E-15	1.25E-16	9.00E-13	2.25E-13	2.04E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/15/2009	3.96E-16	9.00E-14	2.25E-14	1.38E-16	2.00E-14	5.00E-15	1.07E-16	9.00E-13	2.25E-13	4.81E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/15/2009	1.24E-17	9.00E-14	2.25E-14	4.64E-17	2.00E-14	5.00E-15	5.11E-17	9.00E-13	2.25E-13	4.58E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/15/2009	2.43E-16	9.00E-14	2.25E-14	5.28E-17	2.00E-14	5.00E-15	4.84E-17	9.00E-13	2.25E-13	1.19E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/15/2009	5.72E-16	9.00E-14	2.25E-14	2.94E-17	2.00E-14	5.00E-15	2.57E-17	9.00E-13	2.25E-13	6.70E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2010	5.47E-16	9.00E-14	2.25E-14	1.42E-17	2.00E-14	5.00E-15	4.66E-17	9.00E-13	2.25E-13	8.24E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2010	3.58E-16	9.00E-14	2.25E-14	6.64E-17	2.00E-14	5.00E-15	9.90E-17	9.00E-13	2.25E-13	2.01E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2010	2.91E-16	9.00E-14	2.25E-14	4.48E-17	2.00E-14	5.00E-15	5.72E-17	9.00E-13	2.25E-13	1.08E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2010	5.73E-16	9.00E-14	2.25E-14	7.24E-17	2.00E-14	5.00E-15	6.76E-17	9.00E-13	2.25E-13	1.35E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/4/2011	3.79E-16	9.00E-14	2.25E-14	4.01E-17	2.00E-14	5.00E-15	9.11E-17	9.00E-13	2.25E-13	1.06E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/4/2011	3.07E-16	9.00E-14	2.25E-14	8.54E-17	2.00E-14	5.00E-15	9.21E-17	9.00E-13	2.25E-13	7.21E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/3/2011	1.17E-16	9.00E-14	2.25E-14	3.04E-17	2.00E-14	5.00E-15	2.81E-17	9.00E-13	2.25E-13	1.03E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2012	3.65E-16	9.00E-14	2.25E-14	2.72E-17	2.00E-14	5.00E-15	4.54E-17	9.00E-13	2.25E-13	1.58E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2012	4.22E-16	9.00E-14	2.25E-14	1.15E-16	2.00E-14	5.00E-15	2.77E-16	9.00E-13	2.25E-13	1.58E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2012	3.39E-16	9.00E-14	2.25E-14	1.56E-16	2.00E-14	5.00E-15	1.74E-16	9.00E-13	2.25E-13	8.60E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/1/2012	3.13E-16	9.00E-14	2.25E-14	4.13E-17	2.00E-14	5.00E-15	3.04E-17	9.00E-13	2.25E-13	1.03E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2012	2.76E-16	9.00E-14	2.25E-14	5.41E-17	2.00E-14	5.00E-15	7.05E-17	9.00E-13	2.25E-13	1.48E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/25/2013	3.38E-16	9.00E-14	2.25E-14	3.94E-17	2.00E-14	5.00E-15	8.32E-17	9.00E-13	2.25E-13	1.42E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2013	4.06E-16	9.00E-14	2.25E-14	4.89E-17	2.00E-14	5.00E-15	8.06E-17	9.00E-13	2.25E-13	4.93E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2013	1.76E-16	9.00E-14	2.25E-14	2.52E-17	2.00E-14	5.00E-15	6.13E-17	9.00E-13	2.25E-13	4.90E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2013	6.20E-16	9.00E-14	2.25E-14	4.19E-17	2.00E-14	5.00E-15	3.72E-17	9.00E-13	2.25E-13	2.50E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2014	4.63E-16	9.00E-14	2.25E-14	4.97E-17	2.00E-14	5.00E-15	1.15E-16	9.00E-13	2.25E-13	1.49E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2014	3.04E-16	9.00E-14	2.25E-14	7.92E-17	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.21E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2014	4.89E-16	9.00E-14	2.25E-14	6.01E-17	2.00E-14	5.00E-15	4.47E-17	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	9.35E-18	4.00E-15	1.00E-15
12/29/2014	1.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
3/30/2015	5.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	2.30E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/29/2015	1.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
9/28/2015	5.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
12/28/2015	1.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
3/28/2016	7.00E-16	9.00E-14	2.25E-14	6.00E-18	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/27/2016	2.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
9/27/2016	4.20E-16	9.00E-14	2.25E-14	6.90E-17	2.00E-14	5.00E-15	8.10E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.20E-17	4.00E-15	1.00E-15
12/27/2016	4.10E-16	9.00E-14	2.25E-14	1.90E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	2.20E-18	4.00E-15	1.00E-15
3/27/2017	1.10E-15	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
6/26/2017	2.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
9/25/2017	2.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
12/26/2017	6.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
3/26/2018	6.70E-17	9.00E-14	2.25E-14	1.40E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	5.30E-18	4.00E-15	1.00E-15

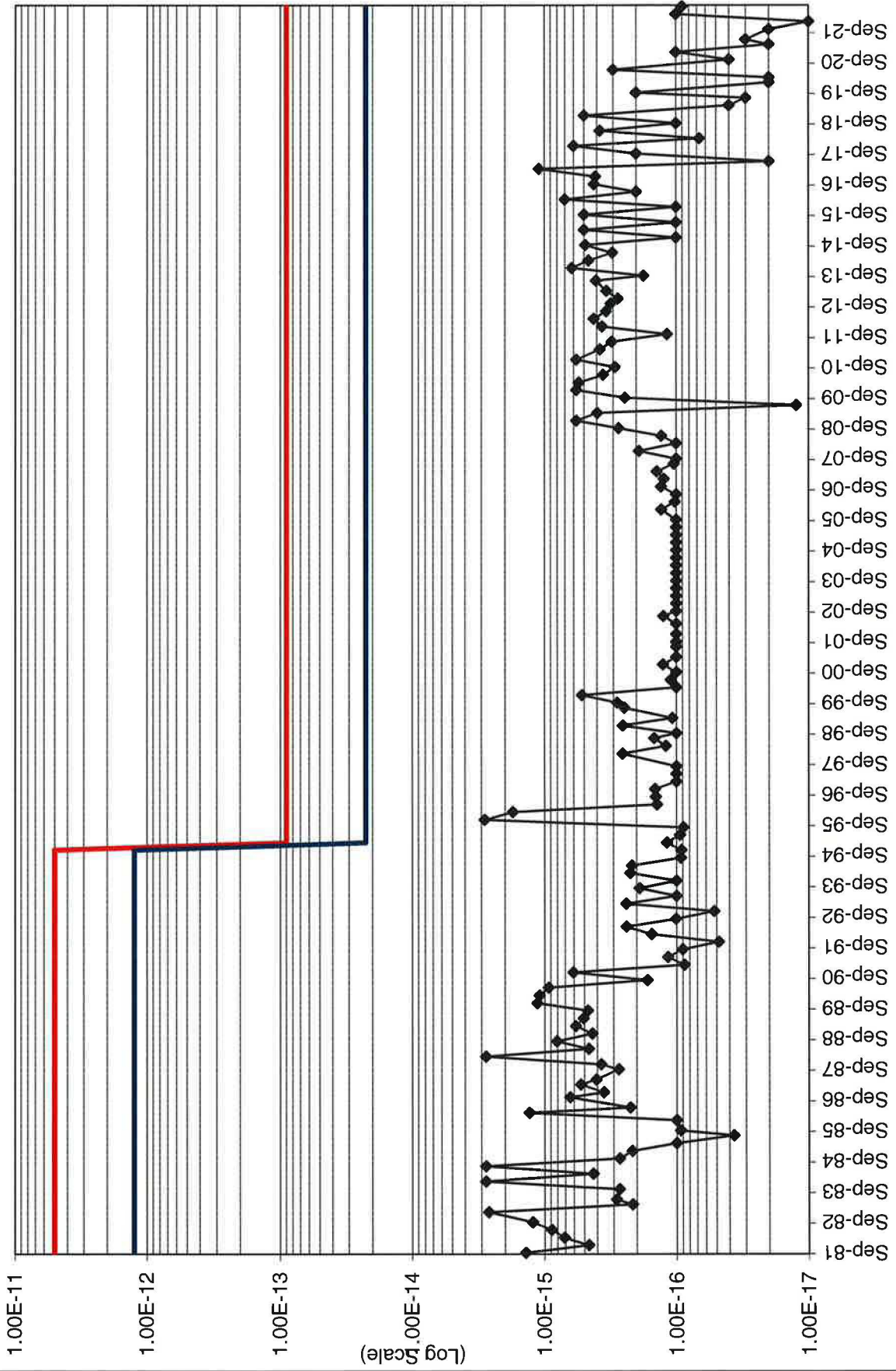
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-2U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-2T230	Effluent Concentration Limit =	9E-15 uCi/ml	BHV-2R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-2PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-2T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
6/25/2018	3.80E-16	9.00E-14	2.25E-14	4.60E-17	2.00E-14	5.00E-15	1.20E-16	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	1.50E-17	4.00E-15	1.00E-15
9/24/2018	1.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
12/31/2018	5.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	1.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
4/1/2019	4.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
7/1/2019	3.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
9/30/2019	2.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
1/6/2020	2.00E-17	9.00E-14	2.25E-14	1.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
3/30/2020	2.00E-17	9.00E-14	2.25E-14	1.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
6/30/2020	3.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	6.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
10/12/2020	4.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
1/4/2021	1.00E-16	9.00E-14	2.25E-14	1.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
4/5/2021	2.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	2.00E-15	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/28/2021	3.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	2.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	2.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
1/4/2022	1.00E-17	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/4/2022	1.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
7/5/2022	9.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15

BHV-2 Radionuclide Concentrations (uCi/ml)



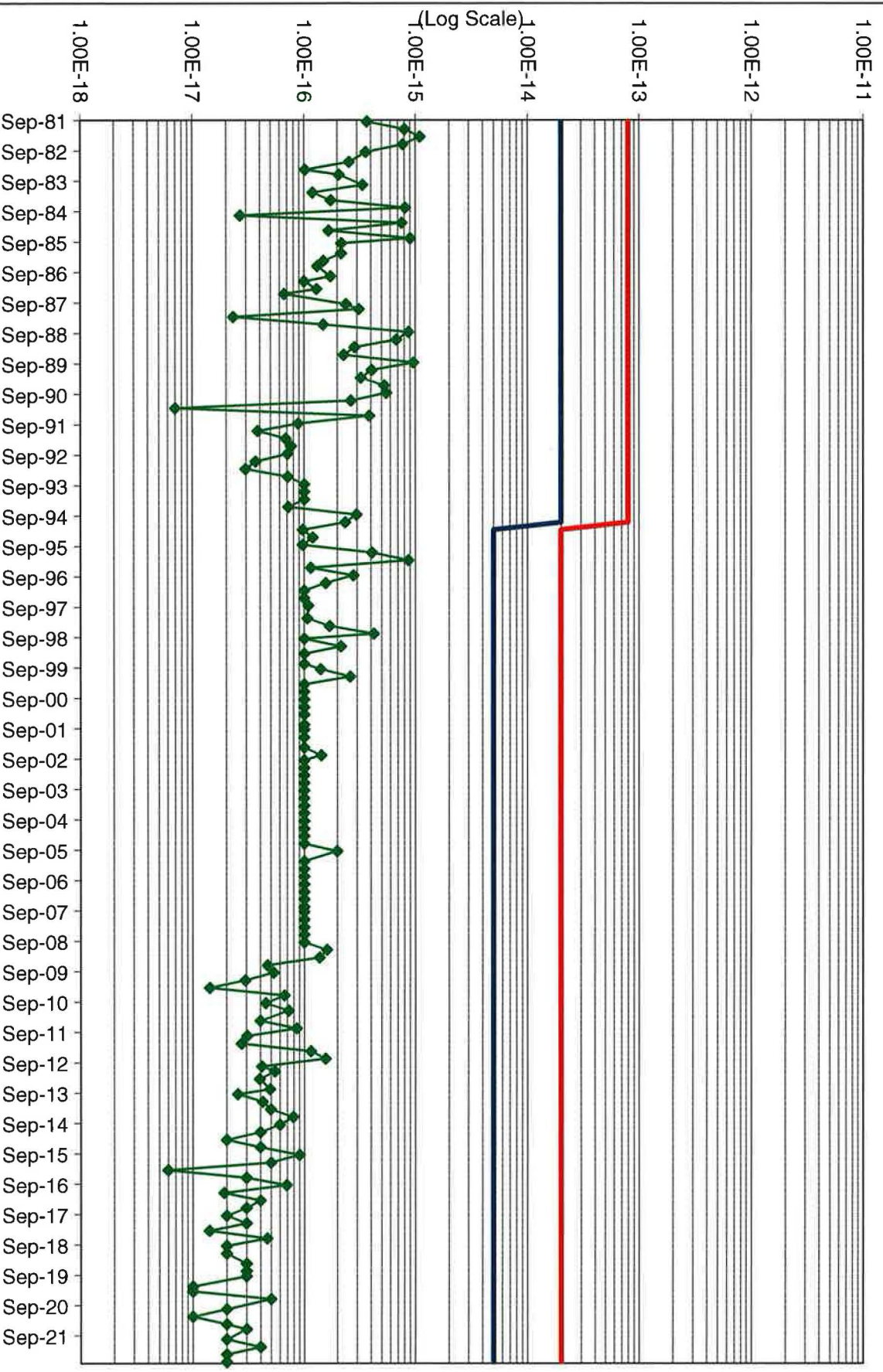
BHV-2 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml



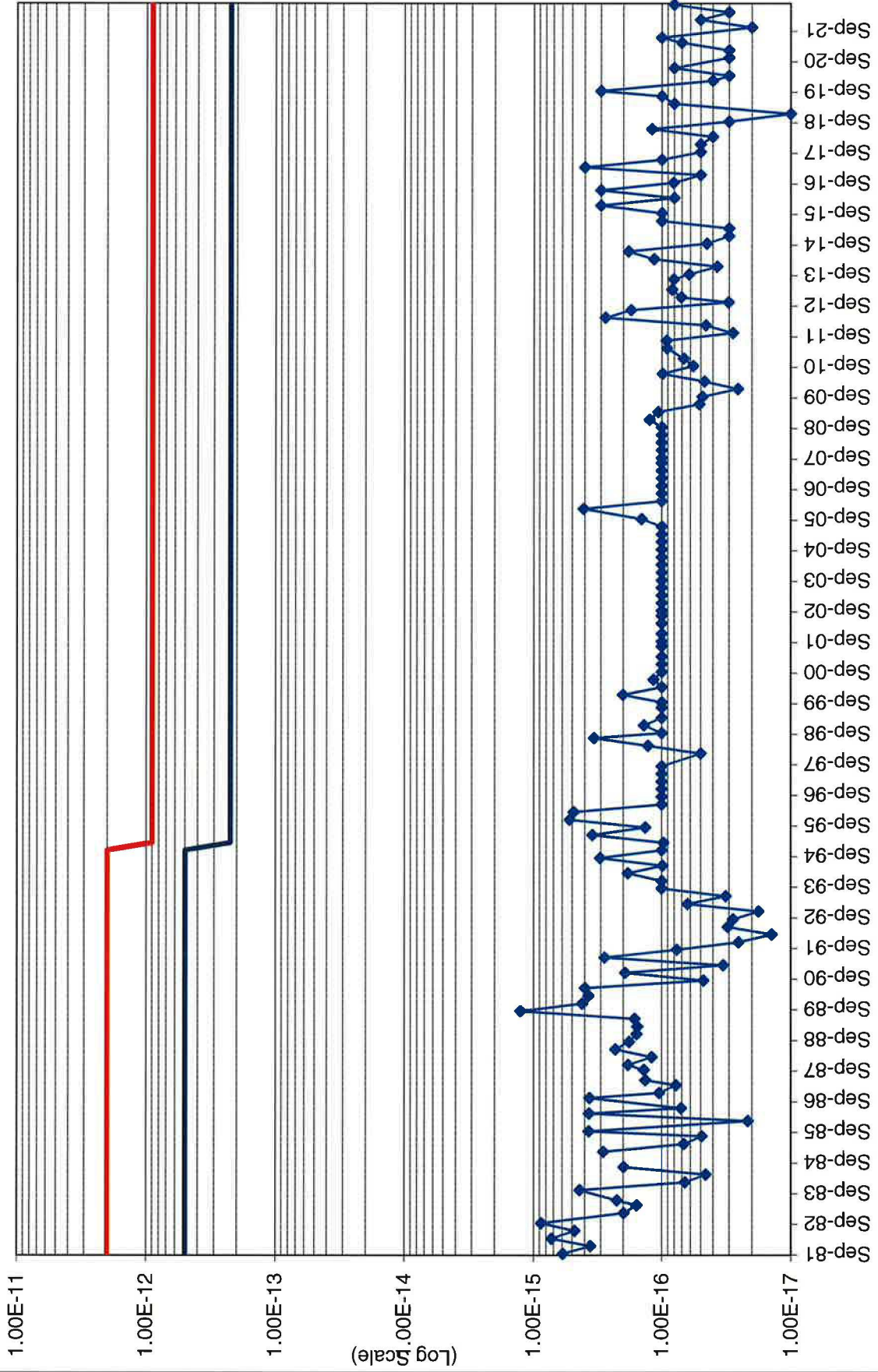
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-2 Thorium-230 Concentrations (uCi/ml)



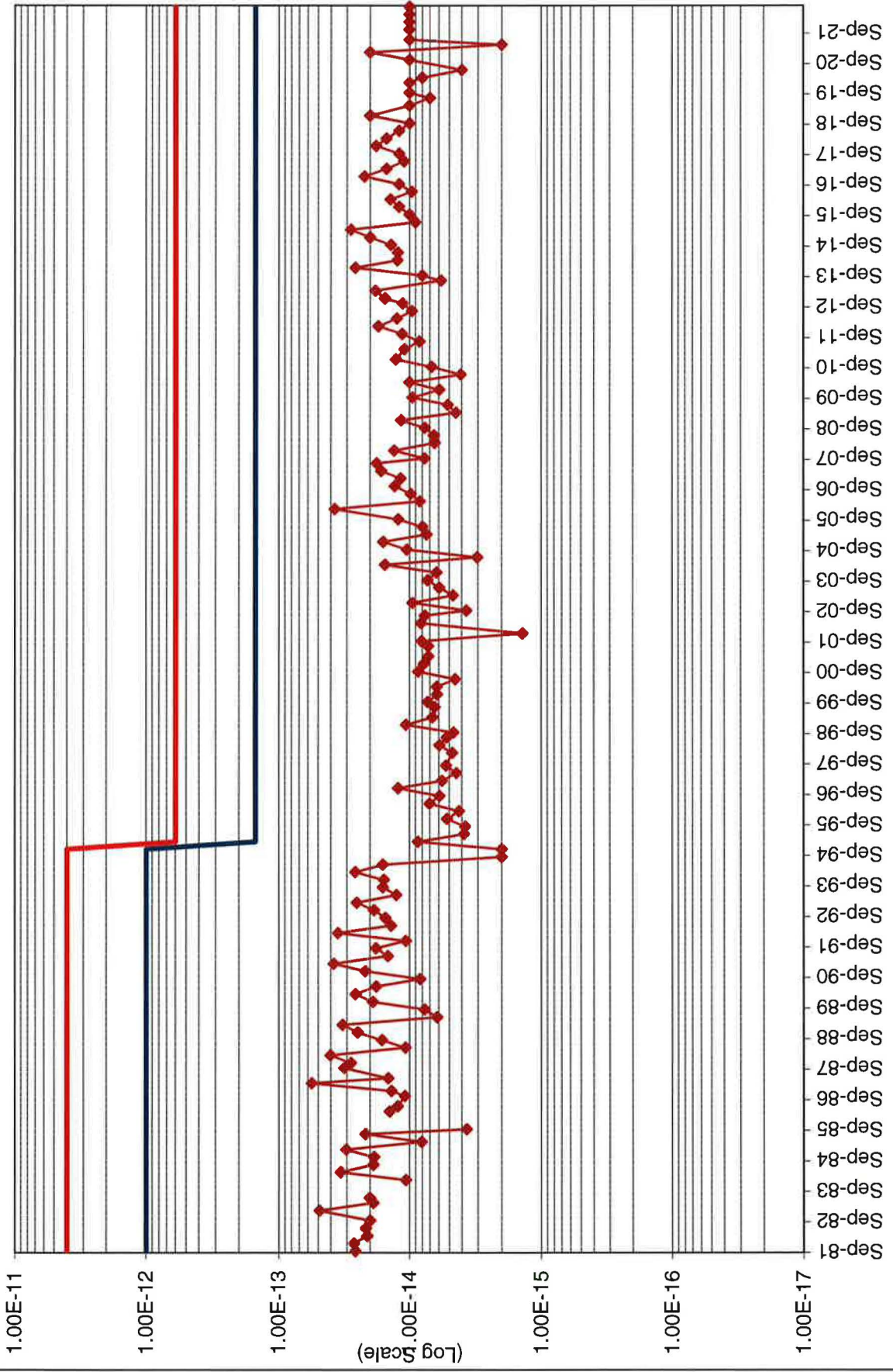
BHV-2 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = $9E-13$ uCi/ml
ALARA Goal = $2.25E-13$ uCi/ml
Pre 1994 MPC Limit = $2E-12$ uCi/ml
Pre 1994 ALARA Goal = $5E-13$ uCi/ml



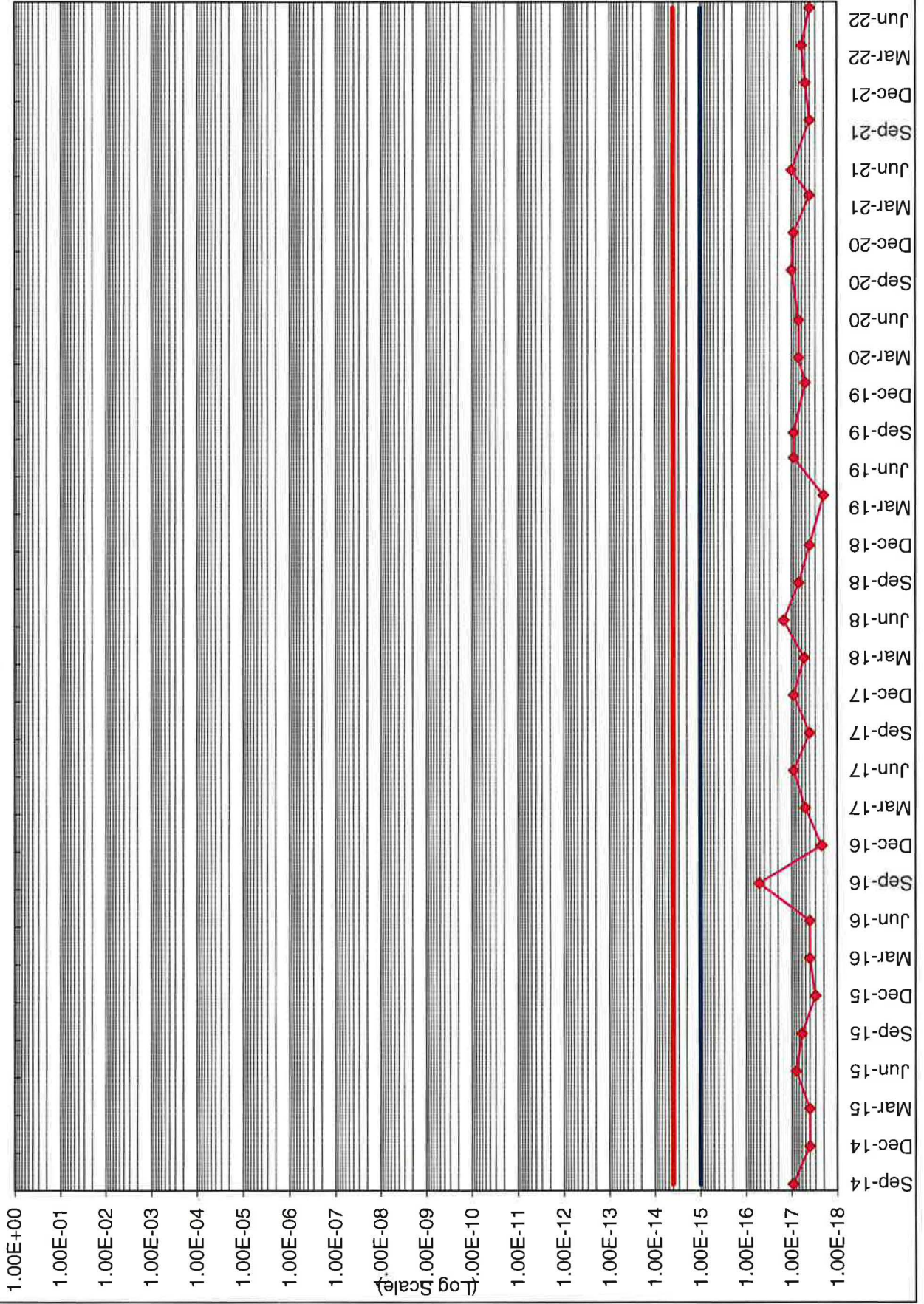
BHV-2 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



BHV-2 Thorium-232 Concentrations (uCi/ml)

Effluent Concentration Limit = $4E-15$ uCi/ml
ALARA Goal = $1.0E-15$ uCi/ml



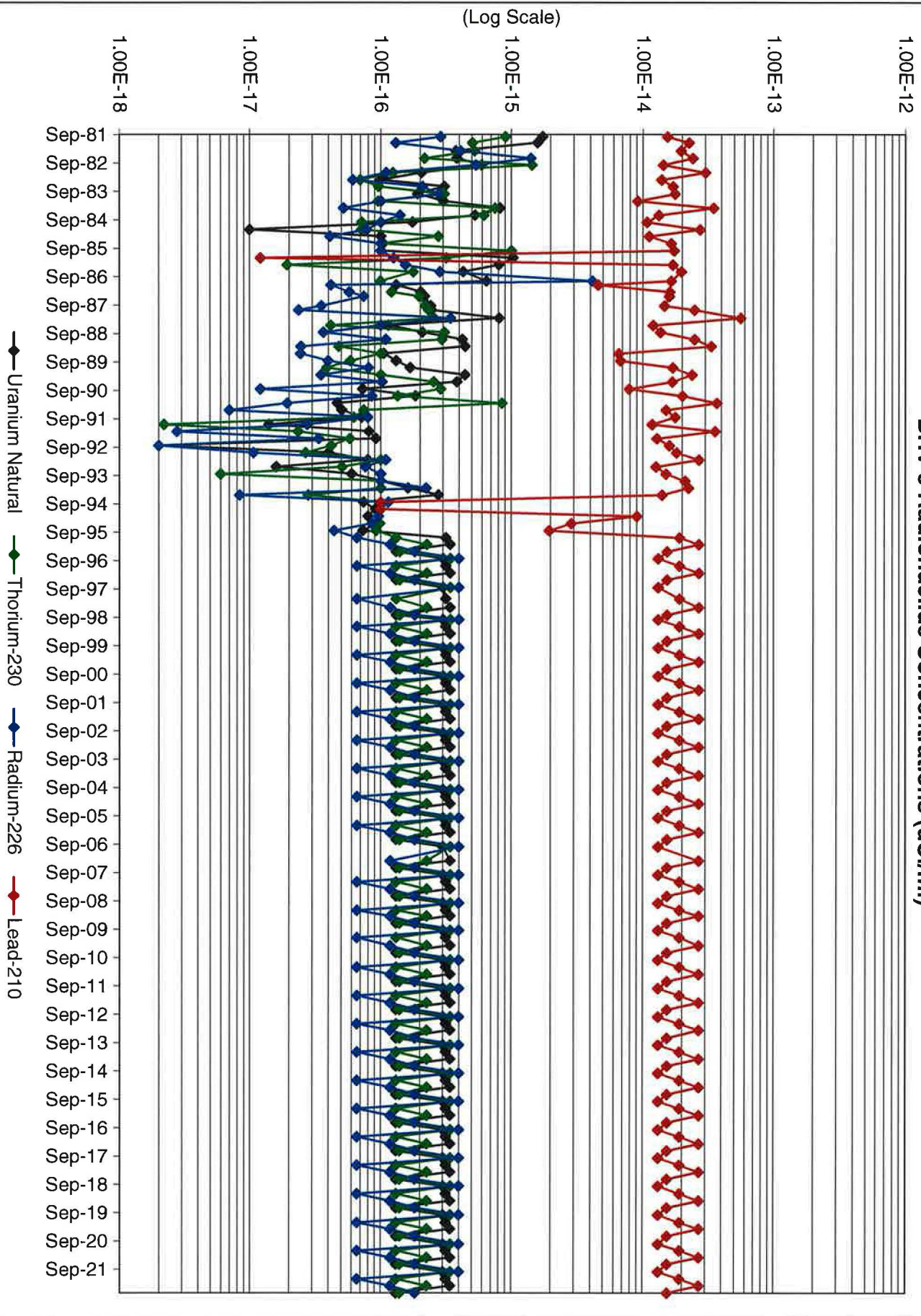
TAB 3

BHV-3 AIR SAMPLING GRAPHS AND DATA TABLE

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-3U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-3T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-3R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-3PB
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/28/1981	1.74E-15	5.00E-12	1.25E-12	9.02E-16	8.00E-14	2.00E-14	2.87E-16	2.00E-12	5.00E-13	1.54E-14	4.00E-12	1.00E-12
12/14/1981	1.59E-15	5.00E-12	1.25E-12	5.03E-16	8.00E-14	2.00E-14	1.30E-16	2.00E-12	5.00E-13	2.25E-14	4.00E-12	1.00E-12
3/29/1982	3.76E-16	5.00E-12	1.25E-12	5.25E-16	8.00E-14	2.00E-14	4.08E-16	2.00E-12	5.00E-13	1.96E-14	4.00E-12	1.00E-12
6/30/1982	3.83E-16	5.00E-12	1.25E-12	2.16E-16	8.00E-14	2.00E-14	1.41E-15	2.00E-12	5.00E-13	2.40E-14	4.00E-12	1.00E-12
9/27/1982	5.95E-16	5.00E-12	1.25E-12	1.44E-15	8.00E-14	2.00E-14	5.36E-16	2.00E-12	5.00E-13	1.43E-14	4.00E-12	1.00E-12
1/3/1983	2.05E-16	5.00E-12	1.25E-12	1.23E-16	8.00E-14	2.00E-14	1.10E-16	2.00E-12	5.00E-13	3.01E-14	4.00E-12	1.00E-12
4/4/1983	1.00E-16	5.00E-12	1.25E-12	6.94E-17	8.00E-14	2.00E-14	6.11E-17	2.00E-12	5.00E-13	1.39E-14	4.00E-12	1.00E-12
6/30/1983	3.06E-16	5.00E-12	1.25E-12	9.59E-17	8.00E-14	2.00E-14	2.08E-16	2.00E-12	5.00E-13	1.70E-14	4.00E-12	1.00E-12
10/3/1983	1.91E-16	5.00E-12	1.25E-12	3.05E-16	8.00E-14	2.00E-14	2.79E-16	2.00E-12	5.00E-13	1.76E-14	4.00E-12	1.00E-12
1/3/1984	3.01E-16	5.00E-12	1.25E-12	9.51E-17	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	9.17E-15	4.00E-12	1.00E-12
4/2/1984	8.22E-16	5.00E-12	1.25E-12	7.52E-16	8.00E-14	2.00E-14	5.20E-17	2.00E-12	5.00E-13	3.47E-14	4.00E-12	1.00E-12
7/2/1984	5.29E-16	5.00E-12	1.25E-12	6.18E-16	8.00E-14	2.00E-14	1.40E-16	2.00E-12	5.00E-13	1.32E-14	4.00E-12	1.00E-12
10/1/1984	1.74E-16	5.00E-12	1.25E-12	7.10E-17	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.08E-14	4.00E-12	1.00E-12
1/2/1985	1.00E-17	5.00E-12	1.25E-12	7.10E-17	8.00E-14	2.00E-14	7.80E-17	2.00E-12	5.00E-13	2.73E-14	4.00E-12	1.00E-12
4/1/1985	1.00E-16	5.00E-12	1.25E-12	2.76E-16	8.00E-14	2.00E-14	4.10E-17	2.00E-12	5.00E-13	1.12E-14	4.00E-12	1.00E-12
7/1/1985	1.04E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.64E-14	4.00E-12	1.00E-12
9/30/1985	1.00E-16	5.00E-12	1.25E-12	1.00E-15	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.73E-14	4.00E-12	1.00E-12
1/2/1986	1.03E-15	5.00E-12	1.25E-12	3.17E-16	8.00E-14	2.00E-14	1.25E-16	2.00E-12	5.00E-13	1.21E-17	4.00E-12	1.00E-12
4/1/1986	8.04E-16	5.00E-12	1.25E-12	1.93E-17	8.00E-14	2.00E-14	1.54E-16	2.00E-12	5.00E-13	1.69E-14	4.00E-12	1.00E-12
6/30/1986	4.29E-16	5.00E-12	1.25E-12	1.77E-16	8.00E-14	2.00E-14	2.83E-16	2.00E-12	5.00E-13	1.97E-14	4.00E-12	1.00E-12
10/27/1986	6.45E-16	5.00E-12	1.25E-12	9.89E-17	8.00E-14	2.00E-14	4.16E-15	2.00E-12	5.00E-13	1.64E-14	4.00E-12	1.00E-12
12/15/1986	1.31E-16	5.00E-12	1.25E-12	0.00E+00	8.00E-14	2.00E-14	4.16E-17	2.00E-12	5.00E-13	4.60E-15	4.00E-12	1.00E-12
3/16/1987	2.01E-16	5.00E-12	1.25E-12	1.20E-16	8.00E-14	2.00E-14	5.73E-17	2.00E-12	5.00E-13	1.60E-14	4.00E-12	1.00E-12
5/11/1987	2.16E-16	5.00E-12	1.25E-12	1.96E-16	8.00E-14	2.00E-14	7.38E-17	2.00E-12	5.00E-13	1.59E-14	4.00E-12	1.00E-12
9/9/1987	2.41E-16	5.00E-12	1.25E-12	2.18E-16	8.00E-14	2.00E-14	3.52E-17	2.00E-12	5.00E-13	1.46E-14	4.00E-12	1.00E-12
11/2/1987	2.44E-16	5.00E-12	1.25E-12	2.32E-16	8.00E-14	2.00E-14	2.37E-17	2.00E-12	5.00E-13	2.48E-14	4.00E-12	1.00E-12
2/16/1988	8.08E-16	5.00E-12	1.25E-12	2.55E-16	8.00E-14	2.00E-14	3.42E-16	2.00E-12	5.00E-13	5.61E-14	4.00E-12	1.00E-12
5/18/1988	1.14E-16	5.00E-12	1.25E-12	4.14E-17	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.20E-14	4.00E-12	1.00E-12
8/15/1988	2.08E-16	5.00E-12	1.25E-12	3.06E-16	8.00E-14	2.00E-14	3.65E-17	2.00E-12	5.00E-13	1.36E-14	4.00E-12	1.00E-12
11/14/1988	4.21E-16	5.00E-12	1.25E-12	2.93E-16	8.00E-14	2.00E-14	1.09E-16	2.00E-12	5.00E-13	2.48E-14	4.00E-12	1.00E-12
2/13/1989	4.45E-16	5.00E-12	1.25E-12	4.78E-17	8.00E-14	2.00E-14	2.47E-17	2.00E-12	5.00E-13	3.34E-14	4.00E-12	1.00E-12
5/15/1989	1.05E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	2.45E-17	2.00E-12	5.00E-13	6.56E-15	4.00E-12	1.00E-12
8/14/1989	1.31E-16	5.00E-12	1.25E-12	5.85E-17	8.00E-14	2.00E-14	3.97E-17	2.00E-12	5.00E-13	6.75E-15	4.00E-12	1.00E-12
11/13/1989	1.67E-16	5.00E-12	1.25E-12	3.87E-17	8.00E-14	2.00E-14	8.03E-17	2.00E-12	5.00E-13	1.69E-14	4.00E-12	1.00E-12
2/12/1990	4.43E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	3.50E-17	2.00E-12	5.00E-13	2.37E-14	4.00E-12	1.00E-12
5/14/1990	3.84E-16	5.00E-12	1.25E-12	2.54E-16	8.00E-14	2.00E-14	1.02E-16	2.00E-12	5.00E-13	1.68E-14	4.00E-12	1.00E-12
8/13/1990	7.27E-17	5.00E-12	1.25E-12	2.87E-16	8.00E-14	2.00E-14	1.21E-17	2.00E-12	5.00E-13	7.86E-15	4.00E-12	1.00E-12
11/12/1990	1.84E-16	5.00E-12	1.25E-12	1.34E-16	8.00E-14	2.00E-14	8.53E-17	2.00E-12	5.00E-13	2.01E-14	4.00E-12	1.00E-12
2/11/1991	4.66E-17	5.00E-12	1.25E-12	8.48E-16	8.00E-14	2.00E-14	1.94E-17	2.00E-12	5.00E-13	3.69E-14	4.00E-12	1.00E-12
5/13/1991	5.05E-17	5.00E-12	1.25E-12	7.40E-17	8.00E-14	2.00E-14	7.00E-18	2.00E-12	5.00E-13	1.50E-14	4.00E-12	1.00E-12
8/12/1991	7.14E-17	5.00E-12	1.25E-12	6.22E-17	8.00E-14	2.00E-14	7.95E-17	2.00E-12	5.00E-13	1.77E-14	4.00E-12	1.00E-12
11/11/1991	1.41E-17	5.00E-12	1.25E-12	2.19E-18	8.00E-14	2.00E-14	2.75E-17	2.00E-12	5.00E-13	1.18E-14	4.00E-12	1.00E-12
2/10/1992	8.12E-17	5.00E-12	1.25E-12	2.35E-17	8.00E-14	2.00E-14	2.76E-18	2.00E-12	5.00E-13	3.57E-14	4.00E-12	1.00E-12
5/11/1992	9.18E-17	5.00E-12	1.25E-12	5.80E-17	8.00E-14	2.00E-14	3.36E-17	2.00E-12	5.00E-13	1.28E-14	4.00E-12	1.00E-12
8/10/1992	2.00E-18	5.00E-12	1.25E-12	4.19E-17	8.00E-14	2.00E-14	2.00E-18	2.00E-12	5.00E-13	1.59E-14	4.00E-12	1.00E-12
11/9/1992	4.00E-17	5.00E-12	1.25E-12	2.68E-17	8.00E-14	2.00E-14	1.07E-17	2.00E-12	5.00E-13	1.81E-14	4.00E-12	1.00E-12
2/9/1993	7.94E-17	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	1.09E-16	2.00E-12	5.00E-13	2.69E-14	4.00E-12	1.00E-12
5/10/1993	1.60E-17	5.00E-12	1.25E-12	5.07E-17	8.00E-14	2.00E-14	7.64E-17	2.00E-12	5.00E-13	1.26E-14	4.00E-12	1.00E-12
8/10/1993	6.00E-17	5.00E-12	1.25E-12	6.00E-18	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.50E-14	4.00E-12	1.00E-12

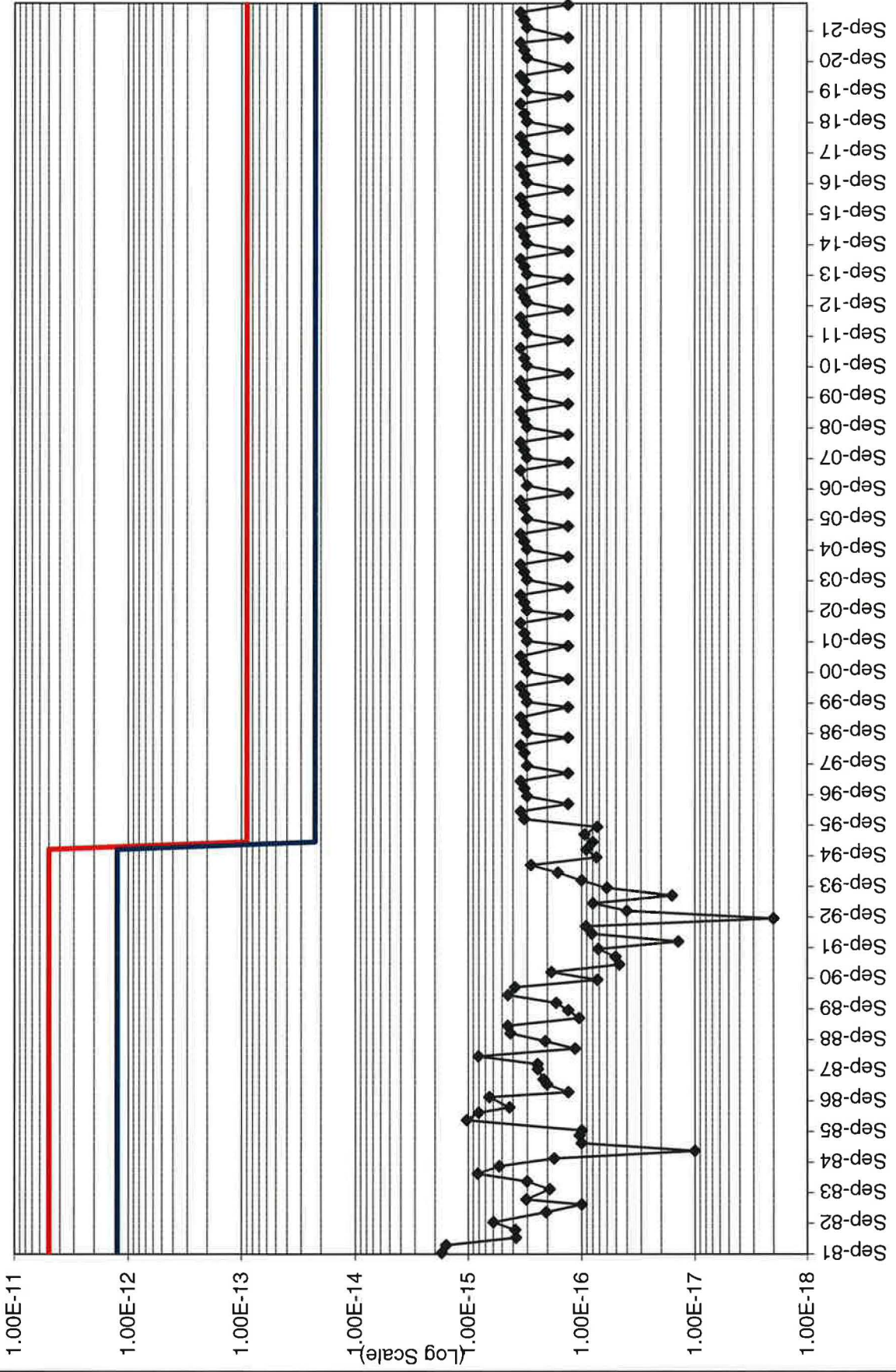
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-3U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-3T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-3R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-3PB
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
3/26/2018	3.41E-16	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	2.69E-14	6.00E-13	1.50E-13
6/25/2018	1.31E-16	9.00E-14	2.25E-14	1.39E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13
9/24/2018	3.00E-16	9.00E-14	2.25E-14	3.43E-16	2.00E-14	5.00E-15	3.99E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13
12/31/2018	3.16E-16	9.00E-14	2.25E-14	1.31E-16	2.00E-14	5.00E-15	6.58E-17	9.00E-13	2.25E-13	1.91E-14	6.00E-13	1.50E-13
4/1/2019	3.41E-16	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	2.69E-14	6.00E-13	1.50E-13
7/1/2019	1.31E-16	9.00E-14	2.25E-14	1.39E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13
9/30/2019	3.00E-16	9.00E-14	2.25E-14	3.43E-16	2.00E-14	5.00E-15	3.99E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13
1/6/2020	3.16E-16	9.00E-14	2.25E-14	1.31E-16	2.00E-14	5.00E-15	6.58E-17	9.00E-13	2.25E-13	1.91E-14	6.00E-13	1.50E-13
3/30/2020	3.41E-16	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	2.69E-14	6.00E-13	1.50E-13
6/30/2020	1.31E-16	9.00E-14	2.25E-14	1.39E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13
10/12/2020	3.00E-16	9.00E-14	2.25E-14	3.43E-16	2.00E-14	5.00E-15	3.99E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13
1/4/2021	3.16E-16	9.00E-14	2.25E-14	1.31E-16	2.00E-14	5.00E-15	6.58E-17	9.00E-13	2.25E-13	1.91E-14	6.00E-13	1.50E-13
4/5/2021	3.41E-16	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	2.69E-14	6.00E-13	1.50E-13
6/28/2021	1.31E-16	9.00E-14	2.25E-14	1.39E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13
10/4/2021	3.00E-16	9.00E-14	2.25E-14	3.43E-16	2.00E-14	5.00E-15	3.99E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13
1/4/2022	3.16E-16	9.00E-14	2.25E-14	1.31E-16	2.00E-14	5.00E-15	6.58E-17	9.00E-13	2.25E-13	1.91E-14	6.00E-13	1.50E-13
4/4/2022	3.41E-16	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	2.69E-14	6.00E-13	1.50E-13
7/5/2022	1.31E-16	9.00E-14	2.25E-14	1.39E-16	2.00E-14	5.00E-15	1.82E-16	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13

BHV-3 Radionuclide Concentrations (uCi/ml)



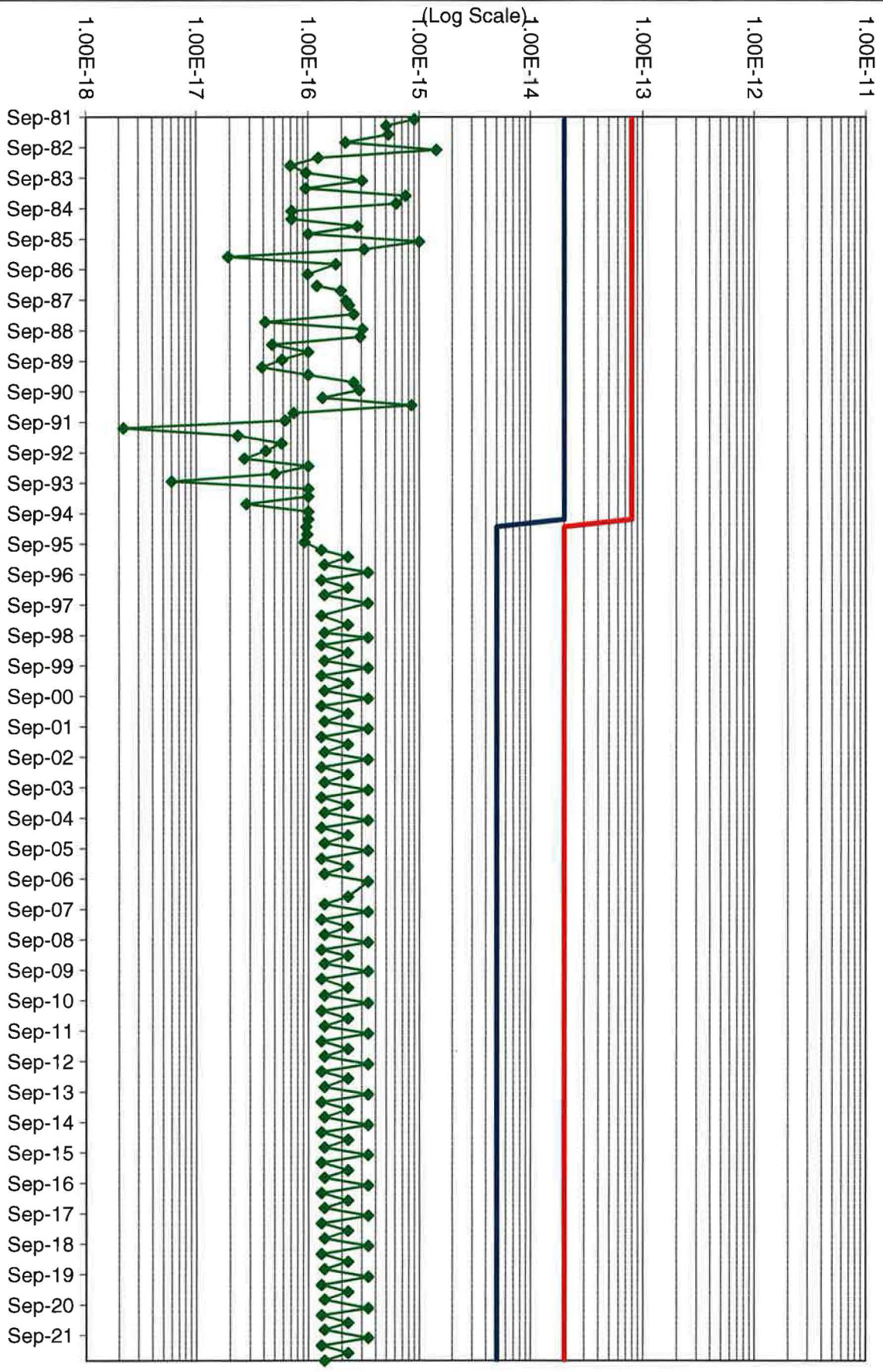
BHV-3 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml



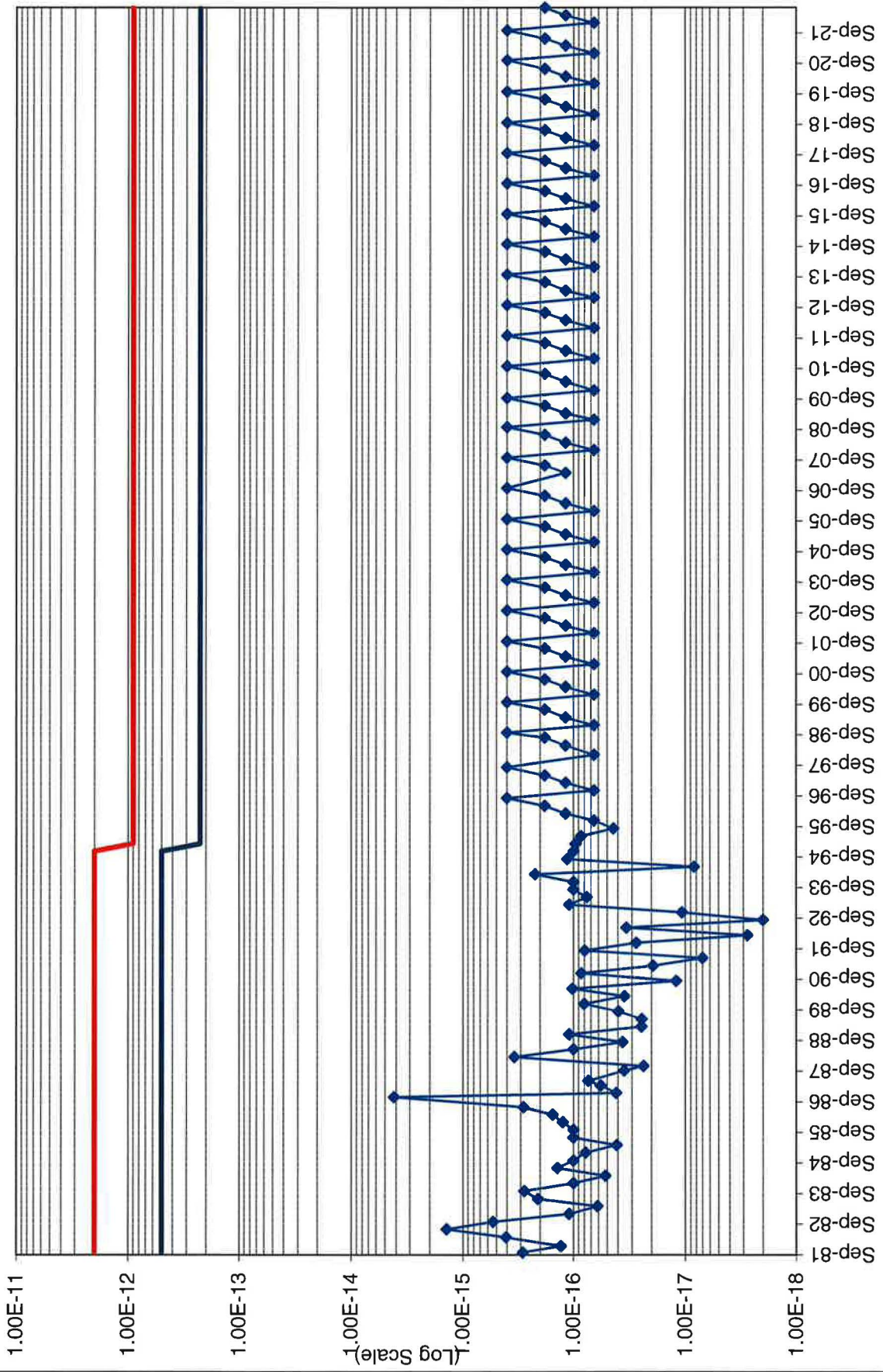
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-3 Thorium-230 Concentrations (uCi/ml)



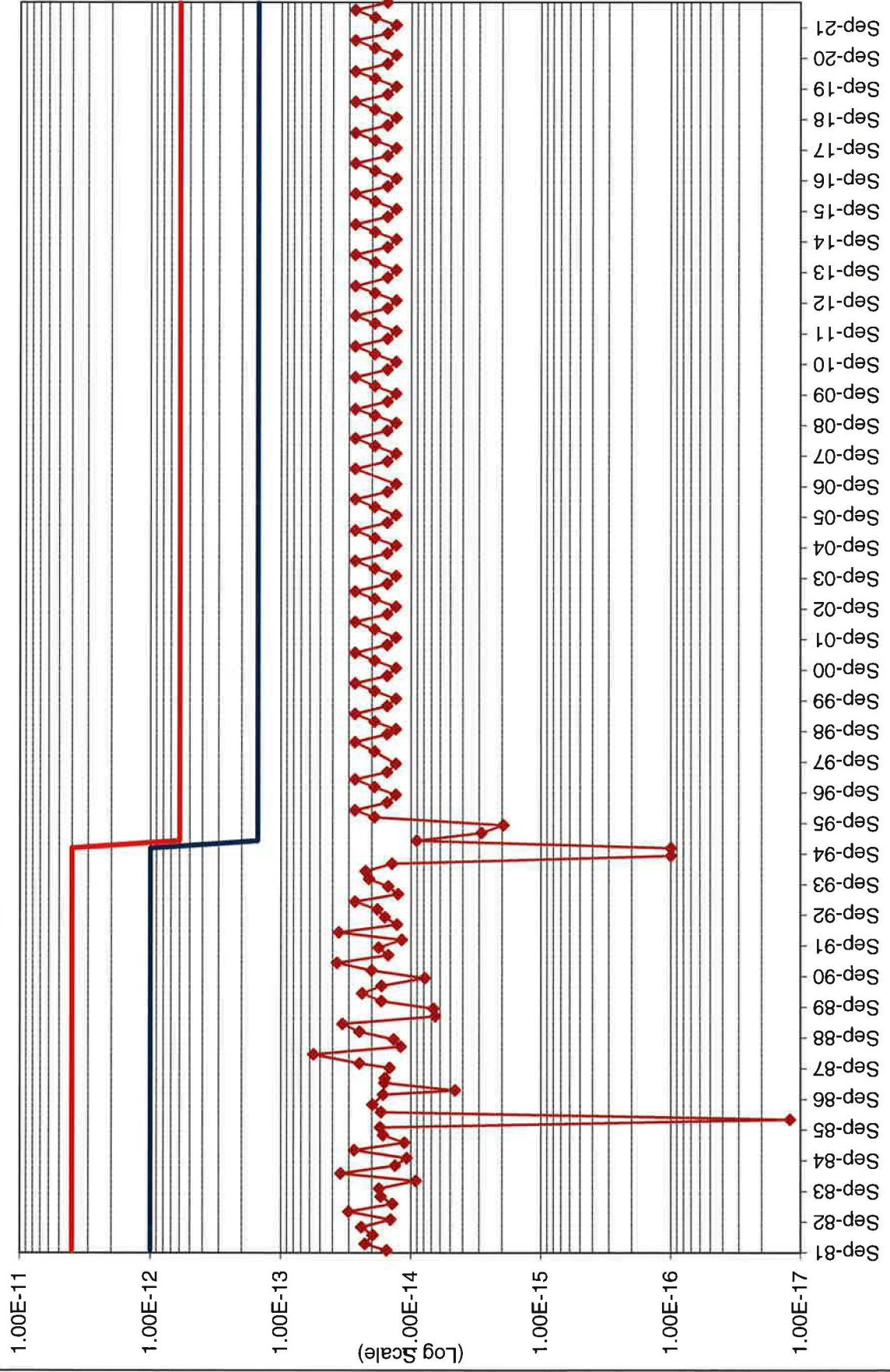
BHV-3 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml



BHV-3 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



TAB 4

BHV-4 AIR SAMPLING GRAPHS AND DATA TABLE

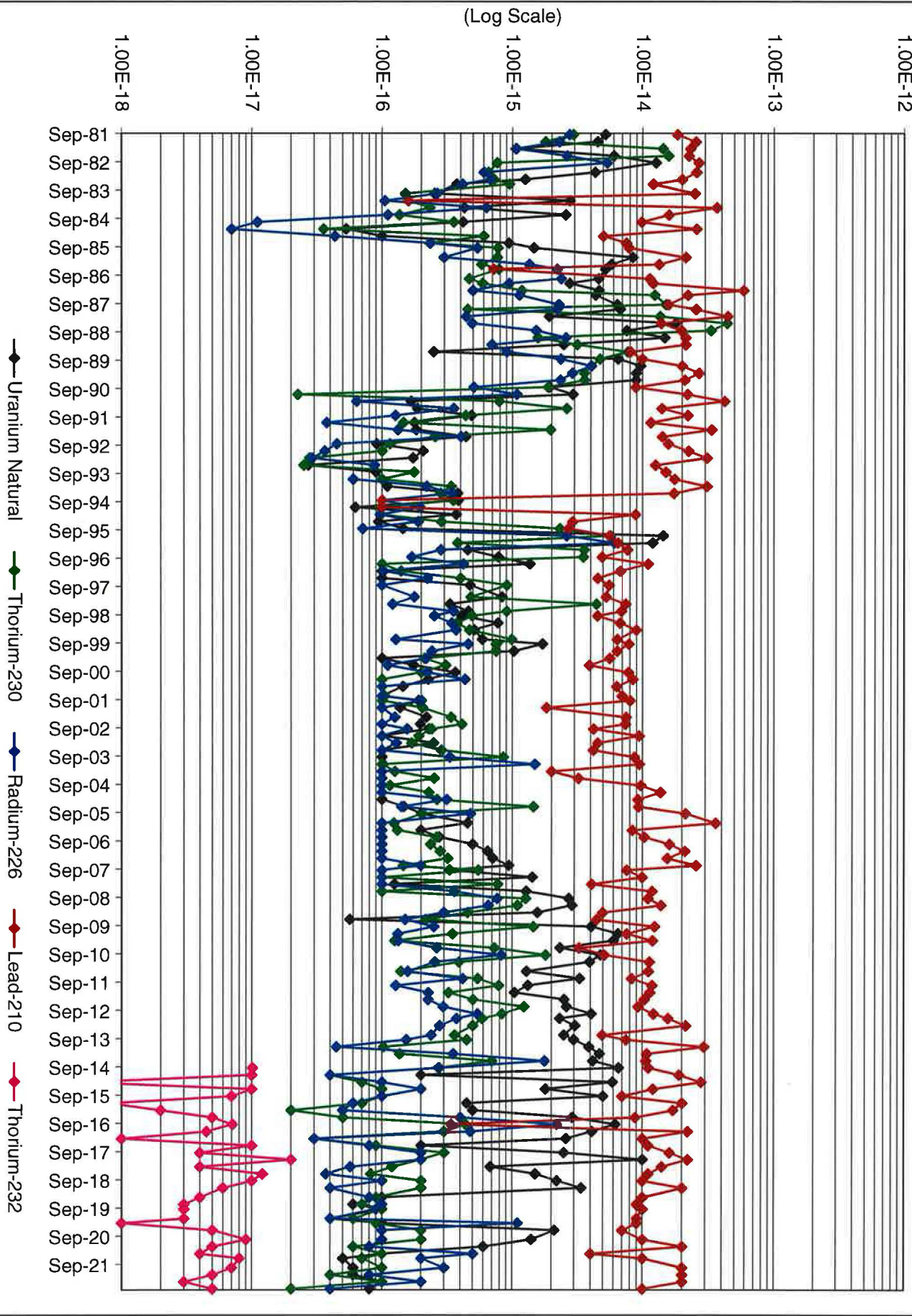
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-4U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-4T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-4R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-4PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-4T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/28/1981	5.20E-15	5.00E-12	1.25E-12	2.93E-15	8.00E-14	2.00E-14	2.74E-15	2.00E-12	5.00E-13	1.84E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/14/1981	4.53E-15	5.00E-12	1.25E-12	1.78E-15	8.00E-14	2.00E-14	2.29E-15	2.00E-12	5.00E-13	2.54E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/29/1982	1.06E-15	5.00E-12	1.25E-12	1.42E-14	8.00E-14	2.00E-14	1.07E-15	2.00E-12	5.00E-13	2.31E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1982	6.03E-15	5.00E-12	1.25E-12	1.57E-14	8.00E-14	2.00E-14	2.62E-15	2.00E-12	5.00E-13	2.25E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/27/1982	1.26E-14	5.00E-12	1.25E-12	7.58E-16	8.00E-14	2.00E-14	5.35E-15	2.00E-12	5.00E-13	2.68E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1983	4.33E-15	5.00E-12	1.25E-12	6.52E-16	8.00E-14	2.00E-14	6.04E-16	2.00E-12	5.00E-13	2.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/4/1983	1.25E-15	5.00E-12	1.25E-12	7.17E-16	8.00E-14	2.00E-14	6.76E-16	2.00E-12	5.00E-13	2.00E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1983	3.73E-16	5.00E-12	1.25E-12	9.43E-16	8.00E-14	2.00E-14	4.13E-16	2.00E-12	5.00E-13	1.20E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/3/1983	2.54E-16	5.00E-12	1.25E-12	1.51E-16	8.00E-14	2.00E-14	2.65E-16	2.00E-12	5.00E-13	2.50E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1984	2.76E-15	5.00E-12	1.25E-12	1.60E-16	8.00E-14	2.00E-14	1.05E-16	2.00E-12	5.00E-13	1.59E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/2/1984	4.27E-16	5.00E-12	1.25E-12	2.33E-16	8.00E-14	2.00E-14	6.28E-16	2.00E-12	5.00E-13	3.67E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/2/1984	2.57E-15	5.00E-12	1.25E-12	1.36E-16	8.00E-14	2.00E-14	1.11E-16	2.00E-12	5.00E-13	1.58E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/1/1984	4.18E-16	5.00E-12	1.25E-12	3.54E-16	8.00E-14	2.00E-14	1.10E-17	2.00E-12	5.00E-13	9.83E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1985	5.30E-17	5.00E-12	1.25E-12	3.55E-17	8.00E-14	2.00E-14	7.00E-18	2.00E-12	5.00E-13	2.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1985	1.00E-16	5.00E-12	1.25E-12	6.00E-16	8.00E-14	2.00E-14	4.35E-17	2.00E-12	5.00E-13	5.02E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/1/1985	9.36E-16	5.00E-12	1.25E-12	2.33E-16	8.00E-14	2.00E-14	2.36E-16	2.00E-12	5.00E-13	7.48E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/30/1985	1.46E-15	5.00E-12	1.25E-12	7.69E-16	8.00E-14	2.00E-14	5.38E-16	2.00E-12	5.00E-13	7.86E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1986	8.40E-15	5.00E-12	1.25E-12	7.60E-16	8.00E-14	2.00E-14	2.99E-16	2.00E-12	5.00E-13	2.12E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1986	5.79E-15	5.00E-12	1.25E-12	5.80E-16	8.00E-14	2.00E-14	1.34E-15	2.00E-12	5.00E-13	1.33E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1986	5.19E-15	5.00E-12	1.25E-12	7.83E-16	8.00E-14	2.00E-14	2.20E-15	2.00E-12	5.00E-13	7.14E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/27/1986	4.60E-15	5.00E-12	1.25E-12	4.67E-16	8.00E-14	2.00E-14	2.37E-15	2.00E-12	5.00E-13	1.13E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/15/1986	2.75E-15	5.00E-12	1.25E-12	5.90E-16	8.00E-14	2.00E-14	9.39E-16	2.00E-12	5.00E-13	1.20E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/16/1987	4.64E-15	5.00E-12	1.25E-12	1.18E-15	8.00E-14	2.00E-14	4.97E-16	2.00E-12	5.00E-13	5.89E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1987	4.35E-15	5.00E-12	1.25E-12	1.23E-14	8.00E-14	2.00E-14	1.13E-15	2.00E-12	5.00E-13	2.21E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/9/1987	6.39E-15	5.00E-12	1.25E-12	1.50E-14	8.00E-14	2.00E-14	2.26E-15	2.00E-12	5.00E-13	1.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/2/1987	6.72E-15	5.00E-12	1.25E-12	4.53E-16	8.00E-14	2.00E-14	2.20E-15	2.00E-12	5.00E-13	2.55E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/16/1988	1.91E-15	5.00E-12	1.25E-12	1.35E-14	8.00E-14	2.00E-14	4.42E-16	2.00E-12	5.00E-13	4.44E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/18/1988	1.78E-14	5.00E-12	1.25E-12	4.39E-14	8.00E-14	2.00E-14	4.92E-16	2.00E-12	5.00E-13	1.38E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/15/1988	7.56E-15	5.00E-12	1.25E-12	3.31E-14	8.00E-14	2.00E-14	1.51E-15	2.00E-12	5.00E-13	1.97E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/14/1988	1.47E-14	5.00E-12	1.25E-12	1.56E-15	8.00E-14	2.00E-14	2.57E-15	2.00E-12	5.00E-13	2.12E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/13/1989	2.47E-15	5.00E-12	1.25E-12	3.14E-15	8.00E-14	2.00E-14	6.94E-16	2.00E-12	5.00E-13	2.12E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/15/1989	2.50E-16	5.00E-12	1.25E-12	7.68E-15	8.00E-14	2.00E-14	9.03E-16	2.00E-12	5.00E-13	8.05E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/14/1989	6.50E-15	5.00E-12	1.25E-12	4.72E-15	8.00E-14	2.00E-14	2.35E-15	2.00E-12	5.00E-13	9.95E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/13/1989	9.63E-15	5.00E-12	1.25E-12	4.05E-15	8.00E-14	2.00E-14	4.03E-15	2.00E-12	5.00E-13	1.99E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/12/1990	8.92E-15	5.00E-12	1.25E-12	3.56E-15	8.00E-14	2.00E-14	2.89E-15	2.00E-12	5.00E-13	2.69E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/14/1990	8.90E-15	5.00E-12	1.25E-12	3.58E-15	8.00E-14	2.00E-14	2.33E-15	2.00E-12	5.00E-13	2.09E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/13/1990	1.92E-15	5.00E-12	1.25E-12	1.87E-15	8.00E-14	2.00E-14	5.06E-16	2.00E-12	5.00E-13	8.86E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/12/1990	2.91E-15	5.00E-12	1.25E-12	2.25E-17	8.00E-14	2.00E-14	1.08E-15	2.00E-12	5.00E-13	2.19E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/11/1991	1.67E-16	5.00E-12	1.25E-12	7.89E-16	8.00E-14	2.00E-14	6.38E-17	2.00E-12	5.00E-13	4.19E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/13/1991	1.87E-16	5.00E-12	1.25E-12	2.61E-15	8.00E-14	2.00E-14	3.54E-16	2.00E-12	5.00E-13	1.40E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/12/1991	4.85E-16	5.00E-12	1.25E-12	4.38E-16	8.00E-14	2.00E-14	1.27E-16	2.00E-12	5.00E-13	2.20E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/11/1991	1.77E-16	5.00E-12	1.25E-12	1.46E-16	8.00E-14	2.00E-14	3.76E-17	2.00E-12	5.00E-13	1.15E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/10/1992	1.83E-16	5.00E-12	1.25E-12	1.95E-15	8.00E-14	2.00E-14	1.33E-16	2.00E-12	5.00E-13	3.35E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1992	4.40E-16	5.00E-12	1.25E-12	2.56E-16	8.00E-14	2.00E-14	4.04E-16	2.00E-12	5.00E-13	1.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1992	9.09E-17	5.00E-12	1.25E-12	1.15E-16	8.00E-14	2.00E-14	4.50E-17	2.00E-12	5.00E-13	1.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/9/1992	2.07E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	3.62E-17	2.00E-12	5.00E-13	2.24E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/9/1993	1.73E-16	5.00E-12	1.25E-12	2.76E-17	8.00E-14	2.00E-14	2.89E-17	2.00E-12	5.00E-13	3.08E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/10/1993	2.70E-17	5.00E-12	1.25E-12	2.50E-17	8.00E-14	2.00E-14	8.74E-17	2.00E-12	5.00E-13	1.25E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1993	9.00E-17	5.00E-12	1.25E-12	1.76E-16	8.00E-14	2.00E-14	0.00E+00	2.00E-12	5.00E-13	1.50E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/8/1993	1.00E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	6.00E-17	2.00E-12	5.00E-13	1.75E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-4U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-4T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-4R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-4PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-4T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
2/7/1994	1.10E-16	5.00E-12	1.25E-12	3.38E-16	8.00E-14	2.00E-14	2.21E-16	2.00E-12	5.00E-13	3.08E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/9/1994	3.80E-16	5.00E-12	1.25E-12	2.82E-16	8.00E-14	2.00E-14	3.46E-16	2.00E-12	5.00E-13	1.73E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/9/1994	3.85E-16	5.00E-12	1.25E-12	3.53E-16	8.00E-14	2.00E-14	1.00E-16	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/7/1994	6.21E-17	5.00E-12	1.25E-12	9.70E-17	8.00E-14	2.00E-14	1.96E-16	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1995	3.70E-16	9.00E-14	2.25E-14	9.80E-17	2.00E-14	5.00E-15	9.70E-17	9.00E-13	2.25E-13	8.84E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/9/1995	9.40E-17	9.00E-14	2.25E-14	2.86E-16	2.00E-14	5.00E-15	1.90E-16	9.00E-13	2.25E-13	2.90E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/9/1995	1.45E-16	9.00E-14	2.25E-14	2.31E-15	2.00E-14	5.00E-15	7.10E-17	9.00E-13	2.25E-13	2.70E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/11/1995	1.43E-14	9.00E-14	2.25E-14	5.70E-15	2.00E-14	5.00E-15	2.61E-15	9.00E-13	2.25E-13	5.60E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/5/1996	1.19E-14	9.00E-14	2.25E-14	3.80E-16	2.00E-14	5.00E-15	6.10E-15	9.00E-13	2.25E-13	6.48E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/6/1996	4.55E-16	9.00E-14	2.25E-14	3.57E-15	2.00E-14	5.00E-15	2.84E-16	9.00E-13	2.25E-13	7.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/5/1996	7.78E-16	9.00E-14	2.25E-14	3.51E-15	2.00E-14	5.00E-15	1.69E-16	9.00E-13	2.25E-13	4.90E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/6/1996	1.36E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	4.21E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/6/1997	1.00E-16	9.00E-14	2.25E-14	1.40E-16	2.00E-14	5.00E-15	1.03E-16	9.00E-13	2.25E-13	6.76E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/5/1997	1.00E-16	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	2.24E-16	9.00E-13	2.25E-13	4.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/11/1997	4.74E-16	9.00E-14	2.25E-14	9.07E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/5/1998	8.31E-16	9.00E-14	2.25E-14	4.82E-16	2.00E-14	5.00E-15	1.77E-16	9.00E-13	2.25E-13	5.28E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/28/1998	3.32E-16	9.00E-14	2.25E-14	4.43E-15	2.00E-14	5.00E-15	1.21E-16	9.00E-13	2.25E-13	7.43E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/31/1998	4.60E-16	9.00E-14	2.25E-14	9.02E-16	2.00E-14	5.00E-15	3.54E-16	9.00E-13	2.25E-13	6.91E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/28/1998	4.08E-16	9.00E-14	2.25E-14	4.93E-16	2.00E-14	5.00E-15	2.53E-16	9.00E-13	2.25E-13	4.52E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1998	7.72E-16	9.00E-14	2.25E-14	3.75E-16	2.00E-14	5.00E-15	3.43E-16	9.00E-13	2.25E-13	6.73E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/1999	5.11E-16	9.00E-14	2.25E-14	4.70E-16	2.00E-14	5.00E-15	3.70E-16	9.00E-13	2.25E-13	8.96E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/1999	5.90E-16	9.00E-14	2.25E-14	9.89E-16	2.00E-14	5.00E-15	1.28E-16	9.00E-13	2.25E-13	6.40E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/1999	1.70E-15	9.00E-14	2.25E-14	7.50E-16	2.00E-14	5.00E-15	4.61E-16	9.00E-13	2.25E-13	7.86E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1999	1.03E-15	9.00E-14	2.25E-14	7.50E-16	2.00E-14	5.00E-15	2.43E-16	9.00E-13	2.25E-13	6.42E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/27/2000	1.00E-16	9.00E-14	2.25E-14	2.13E-16	2.00E-14	5.00E-15	2.20E-16	9.00E-13	2.25E-13	5.61E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/26/2000	1.75E-16	9.00E-14	2.25E-14	3.08E-16	2.00E-14	5.00E-15	1.11E-16	9.00E-13	2.25E-13	3.92E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2000	3.65E-16	9.00E-14	2.25E-14	2.01E-16	2.00E-14	5.00E-15	2.24E-16	9.00E-13	2.25E-13	7.79E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/26/2000	2.27E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	4.35E-16	9.00E-13	2.25E-13	8.45E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/26/2001	1.45E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.37E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2001	1.00E-16	9.00E-14	2.25E-14	1.05E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.99E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/24/2001	1.91E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.01E-16	9.00E-13	2.25E-13	8.04E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2001	1.38E-16	9.00E-14	2.25E-14	2.05E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.83E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/1/2002	2.20E-16	9.00E-14	2.25E-14	3.38E-16	2.00E-14	5.00E-15	1.26E-16	9.00E-13	2.25E-13	7.48E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/1/2002	1.97E-16	9.00E-14	2.25E-14	4.10E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.40E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2002	2.30E-16	9.00E-14	2.25E-14	2.42E-16	2.00E-14	5.00E-15	1.56E-16	9.00E-13	2.25E-13	4.21E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2002	1.00E-16	9.00E-14	2.25E-14	1.92E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.42E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2003	2.50E-16	9.00E-14	2.25E-14	1.69E-16	2.00E-14	5.00E-15	1.29E-16	9.00E-13	2.25E-13	4.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2003	1.00E-16	9.00E-14	2.25E-14	2.87E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/29/2003	1.00E-16	9.00E-14	2.25E-14	8.53E-16	2.00E-14	5.00E-15	3.32E-16	9.00E-13	2.25E-13	8.69E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/29/2003	1.02E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.49E-15	9.00E-13	2.25E-13	9.45E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/2004	1.00E-16	9.00E-14	2.25E-14	1.26E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/27/2004	1.00E-16	9.00E-14	2.25E-14	2.53E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.23E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/2004	1.00E-16	9.00E-14	2.25E-14	1.15E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/27/2004	1.00E-16	9.00E-14	2.25E-14	2.30E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.37E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/28/2005	1.00E-16	9.00E-14	2.25E-14	2.66E-16	2.00E-14	5.00E-15	3.15E-16	9.00E-13	2.25E-13	9.22E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/29/2005	1.47E-16	9.00E-14	2.25E-14	1.45E-15	2.00E-14	5.00E-15	1.42E-16	9.00E-13	2.25E-13	9.34E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2005	2.01E-16	9.00E-14	2.25E-14	2.06E-16	2.00E-14	5.00E-15	4.80E-16	9.00E-13	2.25E-13	2.12E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2006	4.54E-16	9.00E-14	2.25E-14	1.24E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.60E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2006	1.99E-16	9.00E-14	2.25E-14	1.32E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.36E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/2006	2.76E-16	9.00E-14	2.25E-14	2.63E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.03E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-4U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-4T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-4R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-4PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-4T232
	ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL =	2.25E-14 uCi/ml 5E-12 uCi/ml 1.25E-12 uCi/ml		ALARA Goal = Pre 1994 MPC Limit =	5E-15 uCi/ml 8E-14 uCi/ml		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL =	2.25E-13 uCi/ml 2E-12 uCi/ml 5E-13 uCi/ml		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL =	1.5E-13 uCi/ml 4E-12 uCi/ml 1E-12 uCi/ml		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL =	1E-15 uCi/ml Not Applicable Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
10/2/2006	4.97E-16	9.00E-14	2.25E-14	2.37E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/1/2007	6.46E-16	9.00E-14	2.25E-14	2.81E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/2/2007	7.08E-16	9.00E-14	2.25E-14	3.20E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.54E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2007	9.41E-16	9.00E-14	2.25E-14	1.46E-16	2.00E-14	5.00E-15	1.99E-16	9.00E-13	2.25E-13	2.56E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2007	3.30E-16	9.00E-14	2.25E-14	5.50E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.57E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2007	1.42E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.93E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2008	1.25E-16	9.00E-14	2.25E-14	7.72E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.09E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2008	1.28E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	3.61E-16	9.00E-13	2.25E-13	1.18E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2008	2.72E-15	9.00E-14	2.25E-14	1.27E-15	2.00E-14	5.00E-15	7.66E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2008	2.88E-15	9.00E-14	2.25E-14	1.10E-15	2.00E-14	5.00E-15	6.56E-16	9.00E-13	2.25E-13	1.38E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/15/2009	1.56E-15	9.00E-14	2.25E-14	4.57E-16	2.00E-14	5.00E-15	2.99E-16	9.00E-13	2.25E-13	4.97E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/15/2009	5.67E-17	9.00E-14	2.25E-14	2.17E-16	2.00E-14	5.00E-15	1.51E-16	9.00E-13	2.25E-13	4.47E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/15/2009	4.05E-15	9.00E-14	2.25E-14	1.45E-15	2.00E-14	5.00E-15	2.52E-16	9.00E-13	2.25E-13	1.24E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/15/2009	6.50E-15	9.00E-14	2.25E-14	3.48E-16	2.00E-14	5.00E-15	1.33E-16	9.00E-13	2.25E-13	7.60E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2010	6.01E-15	9.00E-14	2.25E-14	1.26E-16	2.00E-14	5.00E-15	1.34E-16	9.00E-13	2.25E-13	1.19E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2010	2.33E-15	9.00E-14	2.25E-14	7.29E-16	2.00E-14	5.00E-15	2.66E-16	9.00E-13	2.25E-13	3.27E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2010	4.77E-15	9.00E-14	2.25E-14	1.80E-15	2.00E-14	5.00E-15	8.23E-16	9.00E-13	2.25E-13	5.11E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2010	3.93E-15	9.00E-14	2.25E-14	3.90E-16	2.00E-14	5.00E-15	2.56E-16	9.00E-13	2.25E-13	1.13E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/4/2011	1.29E-15	9.00E-14	2.25E-14	1.40E-16	2.00E-14	5.00E-15	1.58E-16	9.00E-13	2.25E-13	1.11E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/4/2011	3.30E-15	9.00E-14	2.25E-14	5.44E-16	2.00E-14	5.00E-15	4.18E-16	9.00E-13	2.25E-13	8.26E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/3/2011	1.32E-15	9.00E-14	2.25E-14	7.89E-16	2.00E-14	5.00E-15	1.28E-16	9.00E-13	2.25E-13	1.18E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2012	1.04E-15	9.00E-14	2.25E-14	3.25E-16	2.00E-14	5.00E-15	2.28E-16	9.00E-13	2.25E-13	1.14E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2012	2.51E-15	9.00E-14	2.25E-14	5.02E-16	2.00E-14	5.00E-15	2.27E-16	9.00E-13	2.25E-13	1.03E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2012	2.62E-15	9.00E-14	2.25E-14	1.23E-15	2.00E-14	5.00E-15	2.97E-16	9.00E-13	2.25E-13	9.27E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/1/2012	4.05E-15	9.00E-14	2.25E-14	8.33E-16	2.00E-14	5.00E-15	5.43E-16	9.00E-13	2.25E-13	1.21E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2012	2.32E-15	9.00E-14	2.25E-14	5.89E-16	2.00E-14	5.00E-15	3.75E-16	9.00E-13	2.25E-13	1.56E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/25/2013	3.04E-15	9.00E-14	2.25E-14	4.99E-16	2.00E-14	5.00E-15	2.79E-16	9.00E-13	2.25E-13	2.13E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2013	2.50E-15	9.00E-14	2.25E-14	3.62E-16	2.00E-14	5.00E-15	2.40E-16	9.00E-13	2.25E-13	4.93E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2013	2.98E-15	9.00E-14	2.25E-14	4.49E-16	2.00E-14	5.00E-15	1.54E-16	9.00E-13	2.25E-13	7.49E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2013	3.88E-15	9.00E-14	2.25E-14	1.03E-16	2.00E-14	5.00E-15	4.47E-17	9.00E-13	2.25E-13	2.93E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2014	4.69E-15	9.00E-14	2.25E-14	1.37E-16	2.00E-14	5.00E-15	3.53E-16	9.00E-13	2.25E-13	1.08E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2014	4.16E-15	9.00E-14	2.25E-14	6.96E-16	2.00E-14	5.00E-15	1.77E-15	9.00E-13	2.25E-13	1.06E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2014	6.56E-15	9.00E-14	2.25E-14	2.73E-16	2.00E-14	5.00E-15	2.77E-16	9.00E-13	2.25E-13	1.11E-14	6.00E-13	1.50E-13	1.01E-17	4.00E-15	1.00E-15
12/29/2014	2.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	1.90E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
3/30/2015	5.90E-15	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.80E-14	6.00E-13	1.50E-13	5.00E-19	4.00E-15	1.00E-15
6/29/2015	1.80E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/28/2015	5.00E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
12/28/2015	4.50E-16	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	8.00E-19	4.00E-15	1.00E-15
3/28/2016	5.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/27/2016	2.90E-15	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	8.80E-15	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
9/27/2016	6.20E-15	9.00E-14	2.25E-14	4.40E-16	2.00E-14	5.00E-15	2.20E-15	9.00E-13	2.25E-13	3.40E-16	6.00E-13	1.50E-13	7.10E-18	4.00E-15	1.00E-15
12/27/2016	4.10E-15	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	4.80E-16	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	4.50E-18	4.00E-15	1.00E-15
3/27/2017	2.60E-15	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
6/26/2017	2.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/25/2017	2.50E-15	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
12/26/2017	1.00E-14	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
3/26/2018	6.80E-16	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	5.70E-17	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/25/2018	1.50E-15	9.00E-14	2.25E-14	8.20E-17	2.00E-14	5.00E-15	3.70E-17	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	1.20E-17	4.00E-15	1.00E-15

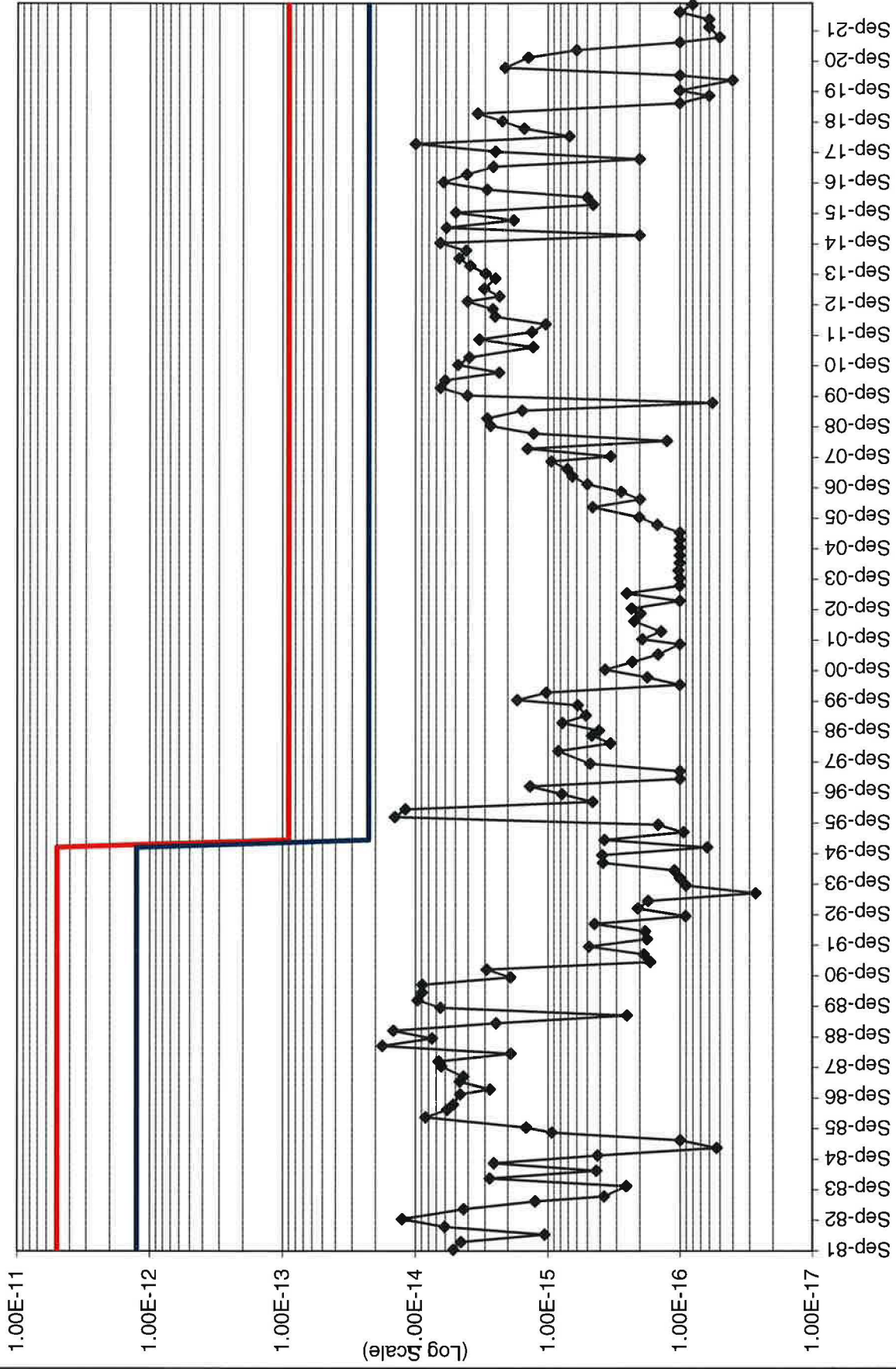
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-4U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-4T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-4R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-4PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-4T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
9/24/2018	2.20E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/31/2018	3.40E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
4/1/2019	1.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
7/1/2019	6.00E-17	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
9/30/2019	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	9.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
1/6/2020	4.00E-17	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
3/30/2020	1.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	1.10E-15	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
6/30/2020	2.10E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
10/12/2020	1.40E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
1/4/2021	6.00E-16	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/5/2021	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	4.00E-15	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
6/28/2021	5.00E-17	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
10/4/2021	6.00E-17	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
1/4/2022	6.00E-17	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/4/2022	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/5/2022	8.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15

BHV-4 Radionuclide Concentrations (uCi/ml)



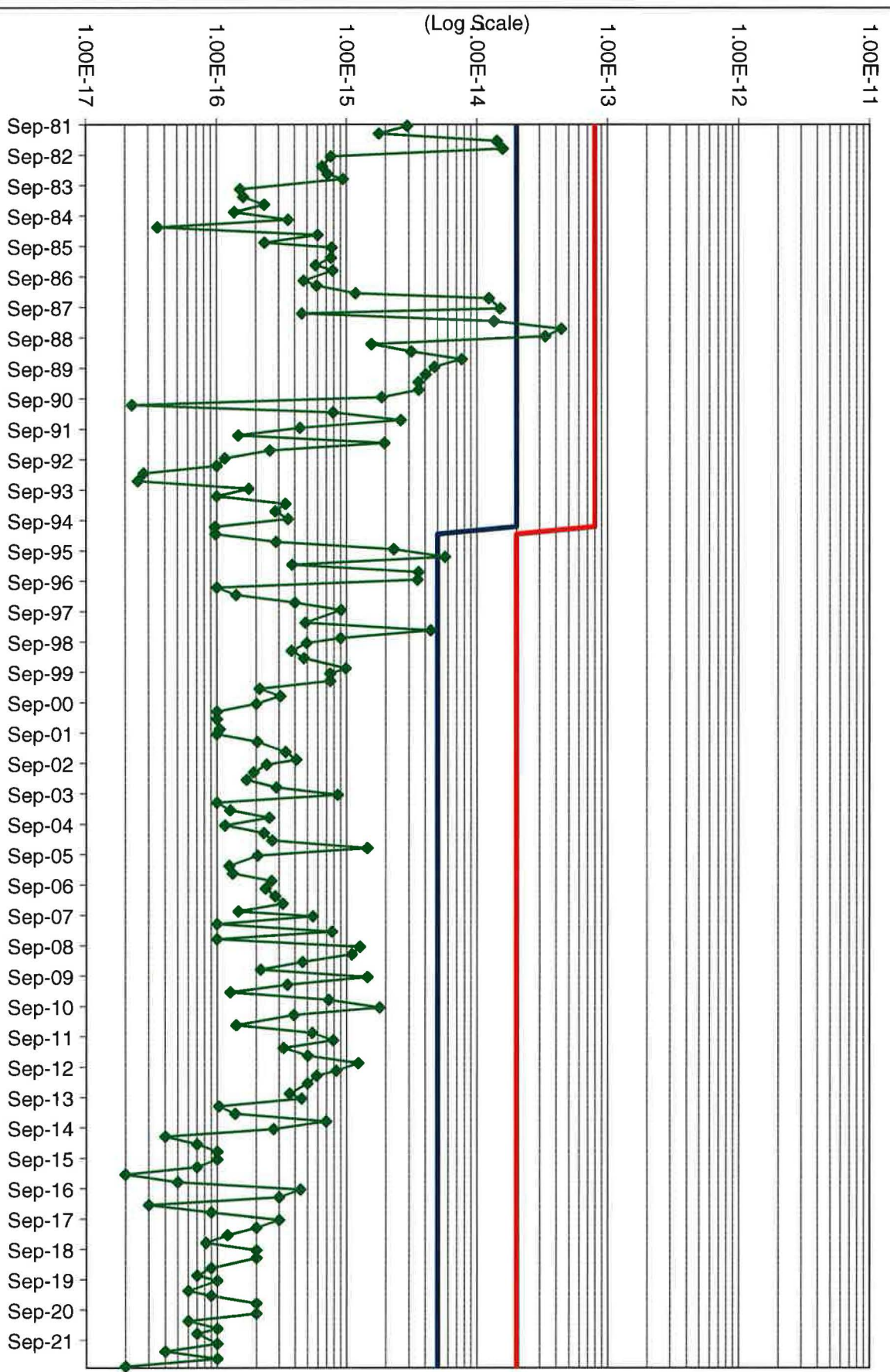
BHV-4 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml



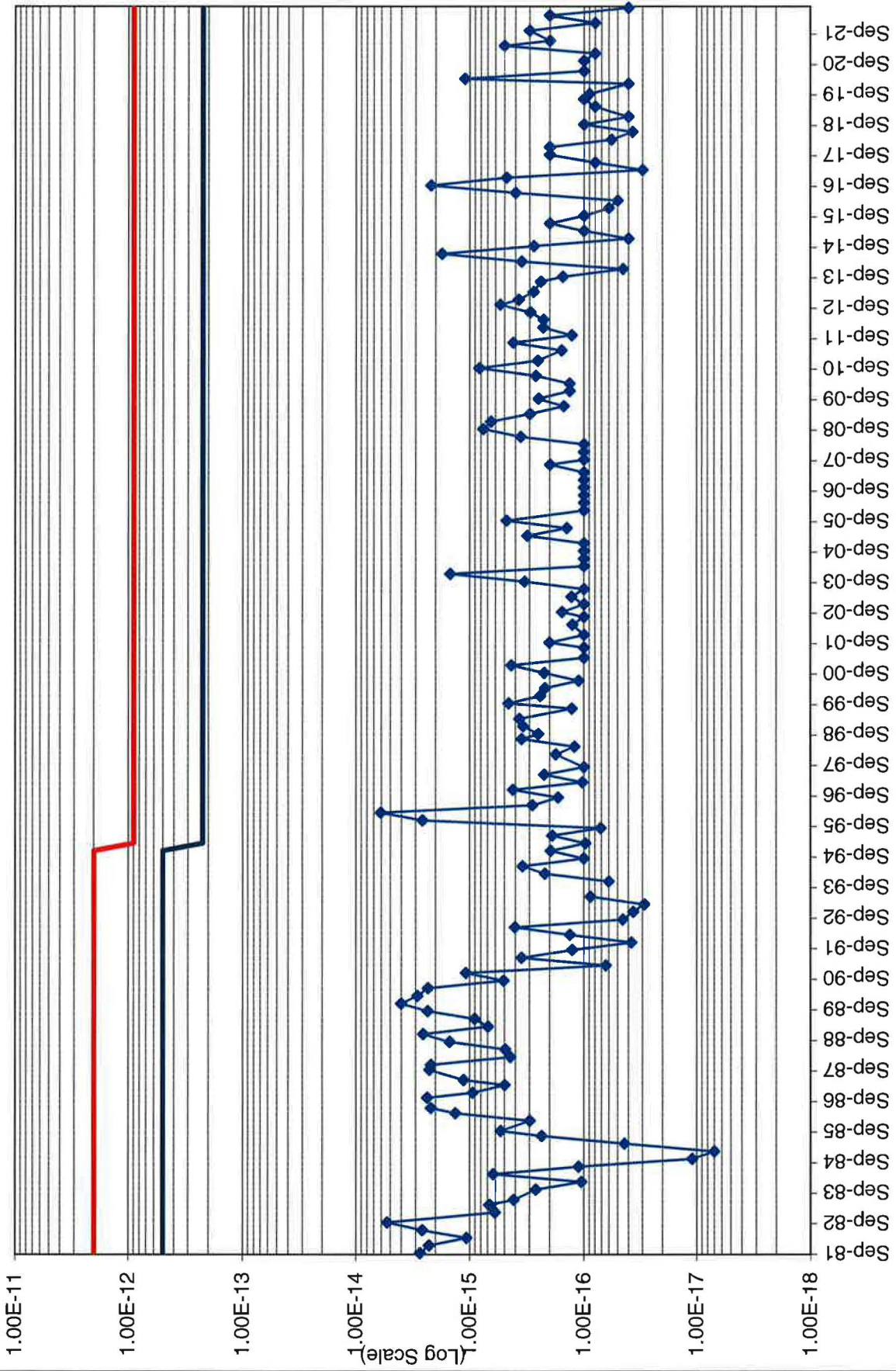
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-4 Thorium-230 Concentrations (uCi/ml)



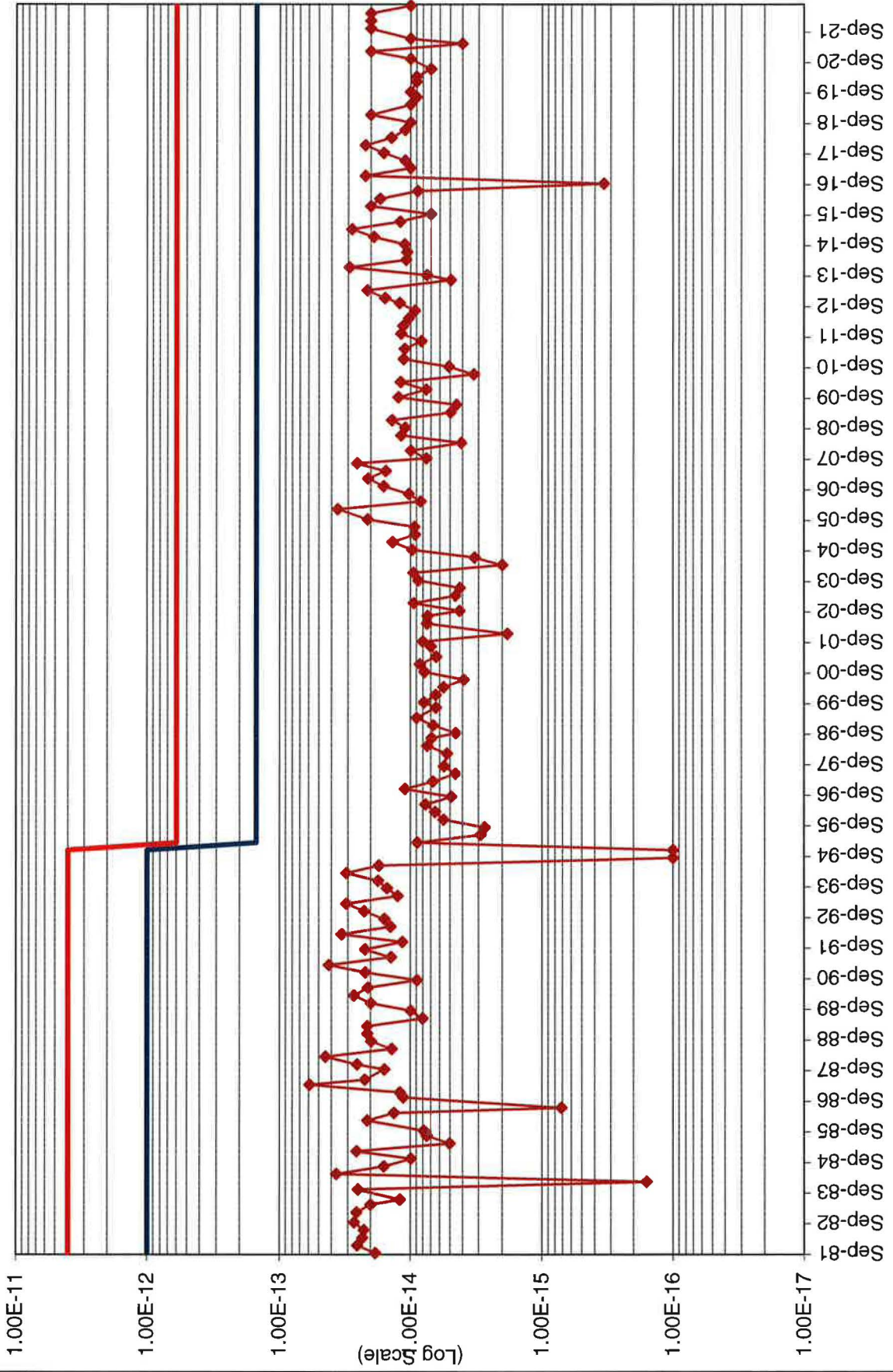
BHV-4 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml



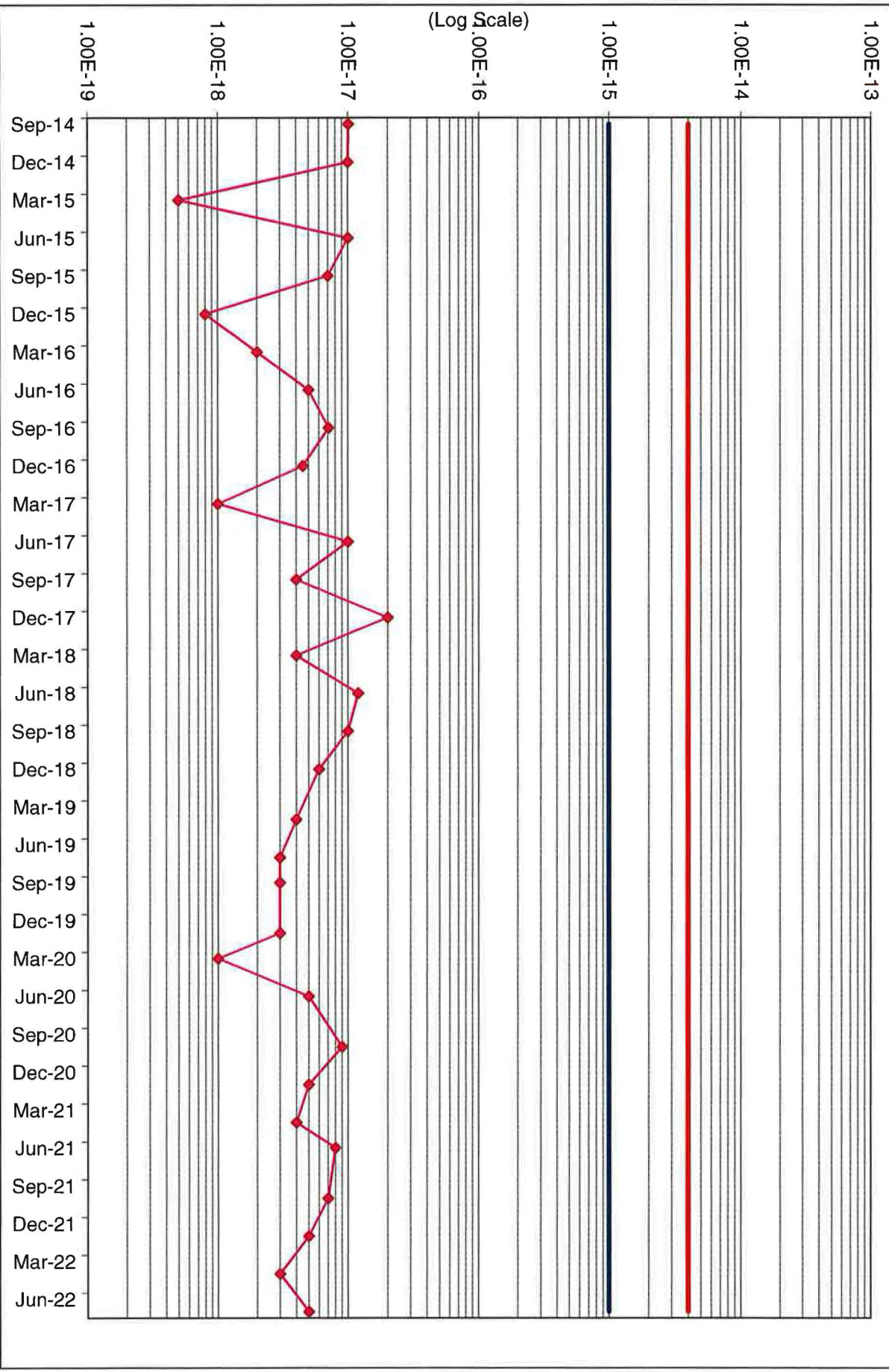
BHV-4 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-4 Thorium-232 Concentrations (uCi/ml)



TAB 5

BHV-5 AIR SAMPLING GRAPHS AND DATA TABLE

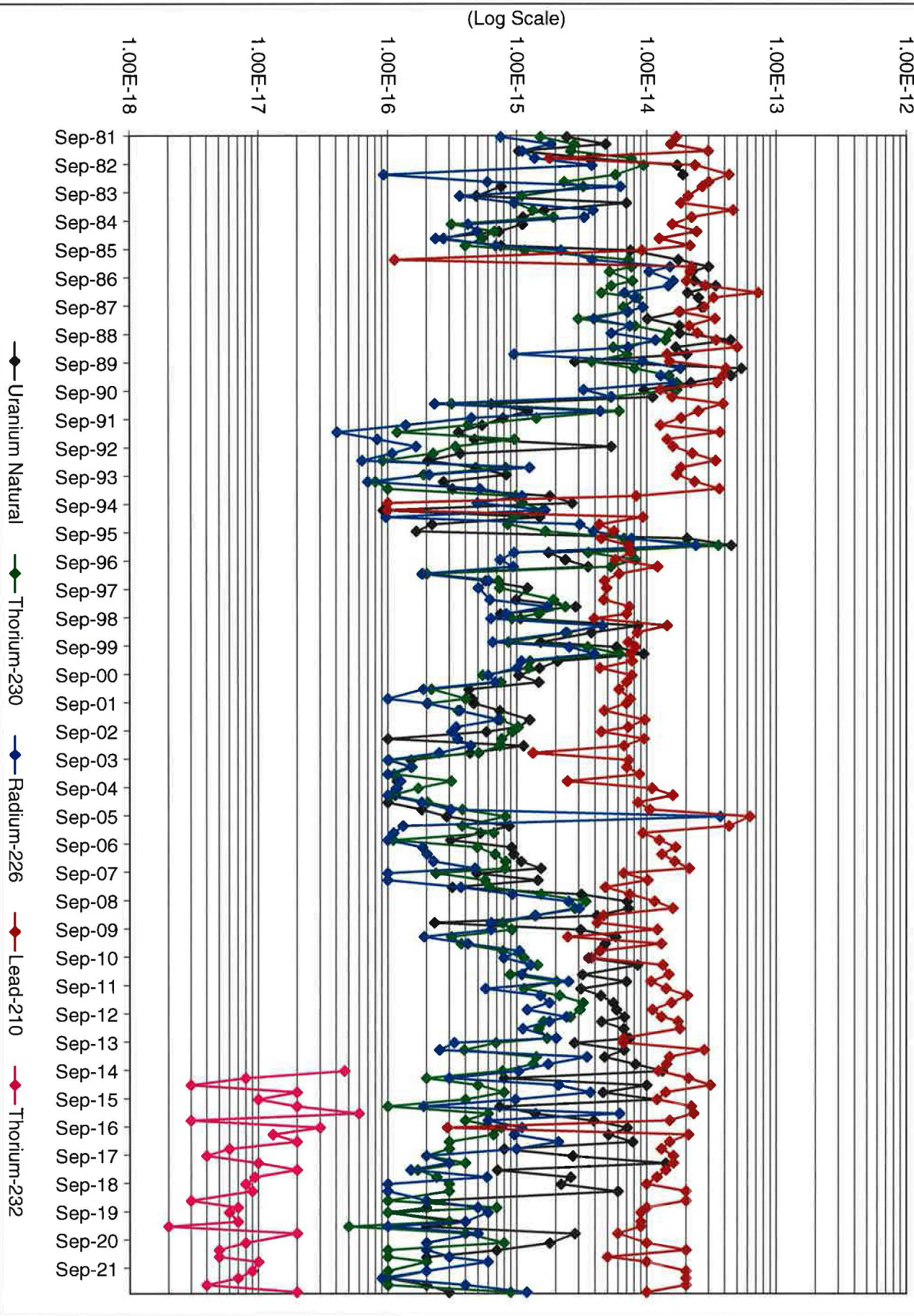
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-5U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-5T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-5R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-5PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-5T232
	ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL = Conc	2.25E-14 uCi/ml 5E-12 uCi/ml 1.25E-12 uCi/ml EFC		ALARA Goal = Pre 1994 MPC Limit = Conc	5E-15 uCi/ml 8E-14 uCi/ml EFC		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL = Conc	2.25E-13 uCi/ml 2E-12 uCi/ml 5E-13 uCi/ml EFC		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL = Conc	1.5E-13 uCi/ml 4E-12 uCi/ml 1E-12 uCi/ml EFC		ALARA Goal = Pre 1994 MPC Limit = Pre 1994 ALARA GOAL = Conc	1E-15 uCi/ml Not Applicable Not Applicable EFC	
9/28/1981	2.44E-15	5.00E-12	1.25E-12	1.53E-15	8.00E-14	2.00E-14	7.54E-16	2.00E-12	5.00E-13	1.69E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/14/1981	4.84E-15	5.00E-12	1.25E-12	2.78E-15	8.00E-14	2.00E-14	1.84E-15	2.00E-12	5.00E-13	1.53E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/29/1982	1.04E-15	5.00E-12	1.25E-12	2.62E-15	8.00E-14	2.00E-14	1.11E-15	2.00E-12	5.00E-13	2.98E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1982	3.61E-15	5.00E-12	1.25E-12	7.61E-15	8.00E-14	2.00E-14	1.39E-15	2.00E-12	5.00E-13	1.80E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/27/1982	1.71E-14	5.00E-12	1.25E-12	9.46E-15	8.00E-14	2.00E-14	3.80E-15	2.00E-12	5.00E-13	2.35E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1983	1.90E-14	5.00E-12	1.25E-12	5.77E-15	8.00E-14	2.00E-14	9.34E-17	2.00E-12	5.00E-13	4.32E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/4/1983		5.00E-12	1.25E-12	2.33E-15	8.00E-14	2.00E-14	5.93E-16	2.00E-12	5.00E-13	3.01E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1983	7.62E-16	5.00E-12	1.25E-12	3.25E-15	8.00E-14	2.00E-14	6.28E-15	2.00E-12	5.00E-13	2.69E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/3/1983	4.86E-16	5.00E-12	1.25E-12	1.10E-15	8.00E-14	2.00E-14	3.63E-16	2.00E-12	5.00E-13	2.08E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/3/1984	6.96E-15	5.00E-12	1.25E-12	9.69E-16	8.00E-14	2.00E-14	9.60E-16	2.00E-12	5.00E-13	1.83E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/2/1984	1.64E-15	5.00E-12	1.25E-12	1.34E-15	8.00E-14	2.00E-14	3.88E-15	2.00E-12	5.00E-13	4.67E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/2/1984	1.12E-15	5.00E-12	1.25E-12	1.92E-15	8.00E-14	2.00E-14	3.31E-15	2.00E-12	5.00E-13	2.21E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/1/1984	1.11E-15	5.00E-12	1.25E-12	3.13E-16	8.00E-14	2.00E-14	4.21E-16	2.00E-12	5.00E-13	1.57E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1985	7.32E-16	5.00E-12	1.25E-12	6.71E-16	8.00E-14	2.00E-14	4.94E-16	2.00E-12	5.00E-13	2.42E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1985	2.36E-16	5.00E-12	1.25E-12	5.43E-16	8.00E-14	2.00E-14	2.71E-16	2.00E-12	5.00E-13	1.25E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
7/1/1985	7.58E-16	5.00E-12	1.25E-12	4.00E-16	8.00E-14	2.00E-14	6.90E-16	2.00E-12	5.00E-13	2.15E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/30/1985	7.47E-15	5.00E-12	1.25E-12	1.16E-15	8.00E-14	2.00E-14	2.19E-15	2.00E-12	5.00E-13	9.20E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
1/2/1986	1.75E-14	5.00E-12	1.25E-12	7.24E-15	8.00E-14	2.00E-14	3.83E-15	2.00E-12	5.00E-13	1.13E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
4/1/1986	2.99E-14	5.00E-12	1.25E-12	7.64E-15	8.00E-14	2.00E-14	1.51E-14	2.00E-12	5.00E-13	2.22E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
6/30/1986	2.23E-14	5.00E-12	1.25E-12	5.19E-15	8.00E-14	2.00E-14	1.05E-14	2.00E-12	5.00E-13	2.16E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
10/27/1986	2.33E-14	5.00E-12	1.25E-12	7.78E-15	8.00E-14	2.00E-14	1.60E-14	2.00E-12	5.00E-13	2.02E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
12/15/1986	3.40E-14	5.00E-12	1.25E-12	5.35E-15	8.00E-14	2.00E-14	1.47E-14	2.00E-12	5.00E-13	2.82E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
3/16/1987	2.06E-14	5.00E-12	1.25E-12	4.50E-15	8.00E-14	2.00E-14	6.74E-15	2.00E-12	5.00E-13	7.29E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1987	2.50E-14	5.00E-12	1.25E-12	8.54E-15	8.00E-14	2.00E-14	8.15E-15	2.00E-12	5.00E-13	3.28E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
9/9/1987	2.65E-14	5.00E-12	1.25E-12	6.62E-15	8.00E-14	2.00E-14	9.34E-15	2.00E-12	5.00E-13	2.77E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/2/1987	1.80E-14	5.00E-12	1.25E-12	7.09E-15	8.00E-14	2.00E-14	7.20E-15	2.00E-12	5.00E-13	1.77E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/16/1988	1.01E-14	5.00E-12	1.25E-12	2.98E-15	8.00E-14	2.00E-14	3.93E-15	2.00E-12	5.00E-13	3.36E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/18/1988	1.78E-14	5.00E-12	1.25E-12	8.14E-15	8.00E-14	2.00E-14	7.43E-15	2.00E-12	5.00E-13	2.12E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/15/1988	1.79E-14	5.00E-12	1.25E-12	1.49E-14	8.00E-14	2.00E-14	5.34E-15	2.00E-12	5.00E-13	2.45E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/14/1988	4.46E-14	5.00E-12	1.25E-12	1.39E-14	8.00E-14	2.00E-14	1.17E-14	2.00E-12	5.00E-13	3.43E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/13/1989	1.67E-14	5.00E-12	1.25E-12	5.54E-15	8.00E-14	2.00E-14	7.20E-15	2.00E-12	5.00E-13	5.02E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/15/1989	2.03E-14	5.00E-12	1.25E-12	7.05E-15	8.00E-14	2.00E-14	9.56E-16	2.00E-12	5.00E-13	1.43E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/14/1989	2.81E-15	5.00E-12	1.25E-12	3.78E-15	8.00E-14	2.00E-14	9.26E-15	2.00E-12	5.00E-13	1.50E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/13/1989	5.38E-14	5.00E-12	1.25E-12	8.01E-15	8.00E-14	2.00E-14	1.81E-14	2.00E-12	5.00E-13	4.09E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/12/1990	4.48E-14	5.00E-12	1.25E-12	1.48E-14	8.00E-14	2.00E-14	1.28E-14	2.00E-12	5.00E-13	3.88E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/14/1990	2.18E-14	5.00E-12	1.25E-12	1.70E-14	8.00E-14	2.00E-14	1.59E-14	2.00E-12	5.00E-13	3.49E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/13/1990	9.53E-15	5.00E-12	1.25E-12	1.70E-14	8.00E-14	2.00E-14	3.27E-15	2.00E-12	5.00E-13	1.27E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/12/1990	1.11E-14	5.00E-12	1.25E-12	5.27E-15	8.00E-14	2.00E-14	5.38E-15	2.00E-12	5.00E-13	1.56E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/11/1991	6.35E-16	5.00E-12	1.25E-12	3.13E-16	8.00E-14	2.00E-14	2.31E-16	2.00E-12	5.00E-13	3.89E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/13/1991	1.22E-15	5.00E-12	1.25E-12	6.14E-15	8.00E-14	2.00E-14	4.41E-15	2.00E-12	5.00E-13	2.50E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/12/1991	7.84E-16	5.00E-12	1.25E-12	1.43E-15	8.00E-14	2.00E-14	4.47E-16	2.00E-12	5.00E-13	1.84E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/11/1991	5.37E-16	5.00E-12	1.25E-12	4.20E-16	8.00E-14	2.00E-14	1.37E-16	2.00E-12	5.00E-13	1.27E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/10/1992	3.54E-16	5.00E-12	1.25E-12	1.18E-16	8.00E-14	2.00E-14	4.08E-17	2.00E-12	5.00E-13	3.69E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/11/1992	4.71E-16	5.00E-12	1.25E-12	9.58E-16	8.00E-14	2.00E-14	8.31E-17	2.00E-12	5.00E-13	1.43E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1992	5.32E-15	5.00E-12	1.25E-12	3.36E-16	8.00E-14	2.00E-14	1.65E-16	2.00E-12	5.00E-13	1.59E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/9/1992	3.66E-16	5.00E-12	1.25E-12	2.25E-16	8.00E-14	2.00E-14	1.08E-16	2.00E-12	5.00E-13	2.24E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/9/1993	2.05E-16	5.00E-12	1.25E-12	9.14E-17	8.00E-14	2.00E-14	6.31E-17	2.00E-12	5.00E-13	3.41E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/10/1993	4.80E-16	5.00E-12	1.25E-12	8.25E-16	8.00E-14	2.00E-14	1.26E-15	2.00E-12	5.00E-13	1.83E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/10/1993	8.30E-16	5.00E-12	1.25E-12	1.90E-16	8.00E-14	2.00E-14	2.10E-16	2.00E-12	5.00E-13	1.70E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-5U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-5T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-5R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-5PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-5T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
11/8/1993	2.70E-16	5.00E-12	1.25E-12	8.00E-17	8.00E-14	2.00E-14	7.00E-17	2.00E-12	5.00E-13	2.34E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1994	3.18E-16	5.00E-12	1.25E-12	1.00E-16	8.00E-14	2.00E-14	5.18E-16	2.00E-12	5.00E-13	3.64E-14	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/9/1994	1.80E-15	5.00E-12	1.25E-12	9.78E-16	8.00E-14	2.00E-14	1.10E-15	2.00E-12	5.00E-13	8.30E-15	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/9/1994	2.67E-15	5.00E-12	1.25E-12	1.11E-15	8.00E-14	2.00E-14	4.95E-16	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/7/1994	9.21E-17	5.00E-12	1.25E-12	1.59E-15	8.00E-14	2.00E-14	1.66E-15	2.00E-12	5.00E-13	1.00E-16	4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1995	1.51E-15	9.00E-14	2.25E-14	9.50E-16	2.00E-14	5.00E-15	9.70E-17	9.00E-13	2.25E-13	9.35E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/9/1995	2.21E-16	9.00E-14	2.25E-14	8.56E-16	2.00E-14	5.00E-15	3.06E-15	9.00E-13	2.25E-13	4.34E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/9/1995	1.66E-16	9.00E-14	2.25E-14	1.67E-15	2.00E-14	5.00E-15	3.90E-15	9.00E-13	2.25E-13	5.60E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/11/1995	2.04E-14	9.00E-14	2.25E-14	6.70E-15	2.00E-14	5.00E-15	7.65E-15	9.00E-13	2.25E-13	4.47E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/5/1996	4.50E-14	9.00E-14	2.25E-14	3.58E-14	2.00E-14	5.00E-15	2.39E-14	9.00E-13	2.25E-13	7.30E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/6/1996	1.76E-15	9.00E-14	2.25E-14	3.57E-15	2.00E-14	5.00E-15	9.55E-16	9.00E-13	2.25E-13	7.54E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/5/1996	2.37E-15	9.00E-14	2.25E-14	8.18E-15	2.00E-14	5.00E-15	7.46E-16	9.00E-13	2.25E-13	5.75E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/6/1996	3.53E-15	9.00E-14	2.25E-14	5.31E-15	2.00E-14	5.00E-15	9.39E-16	9.00E-13	2.25E-13	1.21E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/6/1997	1.84E-16	9.00E-14	2.25E-14	2.01E-16	2.00E-14	5.00E-15	1.87E-16	9.00E-13	2.25E-13	6.14E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/5/1997	5.75E-16	9.00E-14	2.25E-14	7.24E-16	2.00E-14	5.00E-15	6.07E-16	9.00E-13	2.25E-13	4.75E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/11/1997	1.21E-15	9.00E-14	2.25E-14	7.39E-16	2.00E-14	5.00E-15	5.05E-16	9.00E-13	2.25E-13	4.92E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/5/1998	9.89E-16	9.00E-14	2.25E-14	1.92E-15	2.00E-14	5.00E-15	6.21E-16	9.00E-13	2.25E-13	4.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/28/1998	2.84E-15	9.00E-14	2.25E-14	2.38E-15	2.00E-14	5.00E-15	1.72E-15	9.00E-13	2.25E-13	7.35E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/31/1998	7.49E-16	9.00E-14	2.25E-14	1.49E-15	2.00E-14	5.00E-15	8.34E-16	9.00E-13	2.25E-13	7.01E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/28/1998	1.07E-15	9.00E-14	2.25E-14	9.20E-16	2.00E-14	5.00E-15	6.32E-16	9.00E-13	2.25E-13	3.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1998	8.51E-15	9.00E-14	2.25E-14	4.58E-15	2.00E-14	5.00E-15	4.58E-15	9.00E-13	2.25E-13	1.43E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/1999	3.75E-15	9.00E-14	2.25E-14	2.45E-15	2.00E-14	5.00E-15	2.39E-15	9.00E-13	2.25E-13	8.46E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/1999	1.53E-15	9.00E-14	2.25E-14	8.65E-16	2.00E-14	5.00E-15	6.52E-16	9.00E-13	2.25E-13	7.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/1999	5.83E-15	9.00E-14	2.25E-14	3.52E-15	2.00E-14	5.00E-15	2.55E-15	9.00E-13	2.25E-13	8.22E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1999	9.48E-15	9.00E-14	2.25E-14	6.20E-15	2.00E-14	5.00E-15	3.96E-15	9.00E-13	2.25E-13	7.56E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/27/2000	2.06E-15	9.00E-14	2.25E-14	1.27E-15	2.00E-14	5.00E-15	1.09E-15	9.00E-13	2.25E-13	7.72E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/26/2000	1.50E-15	9.00E-14	2.25E-14	1.24E-15	2.00E-14	5.00E-15	1.01E-15	9.00E-13	2.25E-13	4.36E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2000	1.04E-15	9.00E-14	2.25E-14	5.45E-16	2.00E-14	5.00E-15	6.01E-16	9.00E-13	2.25E-13	7.67E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/26/2000	1.48E-15	9.00E-14	2.25E-14	7.56E-16	2.00E-14	5.00E-15	6.84E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/26/2001	4.27E-16	9.00E-14	2.25E-14	2.19E-16	2.00E-14	5.00E-15	1.89E-16	9.00E-13	2.25E-13	6.13E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2001	4.52E-16	9.00E-14	2.25E-14	4.02E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.48E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/24/2001	4.65E-16	9.00E-14	2.25E-14	2.06E-16	2.00E-14	5.00E-15	2.02E-16	9.00E-13	2.25E-13	6.98E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2001	7.40E-16	9.00E-14	2.25E-14	3.51E-16	2.00E-14	5.00E-15	3.64E-16	9.00E-13	2.25E-13	4.72E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/1/2002	1.26E-15	9.00E-14	2.25E-14	7.53E-16	2.00E-14	5.00E-15	7.19E-16	9.00E-13	2.25E-13	9.65E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/1/2002	1.02E-15	9.00E-14	2.25E-14	1.03E-15	2.00E-14	5.00E-15	3.39E-16	9.00E-13	2.25E-13	7.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2002	5.82E-16	9.00E-14	2.25E-14	9.28E-16	2.00E-14	5.00E-15	3.14E-16	9.00E-13	2.25E-13	4.48E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2002	1.00E-16	9.00E-14	2.25E-14	7.67E-16	2.00E-14	5.00E-15	3.48E-16	9.00E-13	2.25E-13	9.56E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2003	1.13E-15	9.00E-14	2.25E-14	7.41E-16	2.00E-14	5.00E-15	4.41E-16	9.00E-13	2.25E-13	6.68E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2003	4.35E-16	9.00E-14	2.25E-14	5.08E-16	2.00E-14	5.00E-15	2.51E-16	9.00E-13	2.25E-13	1.34E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/29/2003	1.51E-16	9.00E-14	2.25E-14	1.02E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.28E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/29/2003	1.52E-16	9.00E-14	2.25E-14	1.54E-16	2.00E-14	5.00E-15	1.51E-16	9.00E-13	2.25E-13	7.02E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/2004	1.00E-16	9.00E-14	2.25E-14	1.12E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.82E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/27/2004	1.18E-16	9.00E-14	2.25E-14	3.11E-16	2.00E-14	5.00E-15	1.25E-16	9.00E-13	2.25E-13	2.47E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/2004	1.16E-16	9.00E-14	2.25E-14	1.72E-16	2.00E-14	5.00E-15	1.18E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/27/2004	1.14E-16	9.00E-14	2.25E-14	1.06E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.59E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/28/2005	1.00E-16	9.00E-14	2.25E-14	2.04E-16	2.00E-14	5.00E-15	1.83E-16	9.00E-13	2.25E-13	8.57E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/29/2005	1.83E-16	9.00E-14	2.25E-14	3.81E-16	2.00E-14	5.00E-15	3.09E-16	9.00E-13	2.25E-13	1.06E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2005	2.87E-16	9.00E-14	2.25E-14	8.21E-16	2.00E-14	5.00E-15	3.71E-14	9.00E-13	2.25E-13	6.28E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2006	8.74E-16	9.00E-14	2.25E-14	3.79E-16	2.00E-14	5.00E-15	1.31E-16	9.00E-13	2.25E-13	4.32E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-5U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-5T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-5R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-5PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-5T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
4/3/2006	5.22E-16	9.00E-14	2.25E-14	6.66E-16	2.00E-14	5.00E-15	1.11E-16	9.00E-13	2.25E-13	9.34E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/2006	3.08E-16	9.00E-14	2.25E-14	1.10E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.25E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/2/2006	9.14E-16	9.00E-14	2.25E-14	4.95E-16	2.00E-14	5.00E-15	1.86E-16	9.00E-13	2.25E-13	1.67E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/1/2007	9.49E-16	9.00E-14	2.25E-14	6.81E-16	2.00E-14	5.00E-15	2.02E-16	9.00E-13	2.25E-13	1.31E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/2/2007	1.08E-15	9.00E-14	2.25E-14	8.22E-16	2.00E-14	5.00E-15	2.26E-16	9.00E-13	2.25E-13	1.64E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2007	1.54E-15	9.00E-14	2.25E-14	8.16E-16	2.00E-14	5.00E-15	4.76E-16	9.00E-13	2.25E-13	2.12E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2007	4.90E-16	9.00E-14	2.25E-14	2.37E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.65E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2007	1.46E-15	9.00E-14	2.25E-14	5.67E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.02E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2008	3.16E-16	9.00E-14	2.25E-14	6.17E-16	2.00E-14	5.00E-15	3.71E-16	9.00E-13	2.25E-13	4.82E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2008	3.13E-15	9.00E-14	2.25E-14	1.55E-15	2.00E-14	5.00E-15	9.27E-16	9.00E-13	2.25E-13	7.40E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2008	7.08E-15	9.00E-14	2.25E-14	3.41E-15	2.00E-14	5.00E-15	2.52E-15	9.00E-13	2.25E-13	1.15E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2008	7.22E-15	9.00E-14	2.25E-14	2.82E-15	2.00E-14	5.00E-15	3.03E-15	9.00E-13	2.25E-13	1.59E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/15/2009	4.13E-15	9.00E-14	2.25E-14	1.39E-15	2.00E-14	5.00E-15	1.41E-15	9.00E-13	2.25E-13	4.66E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/15/2009	2.31E-16	9.00E-14	2.25E-14	7.79E-16	2.00E-14	5.00E-15	6.37E-16	9.00E-13	2.25E-13	4.18E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/15/2009	3.10E-15	9.00E-14	2.25E-14	9.20E-16	2.00E-14	5.00E-15	6.36E-16	9.00E-13	2.25E-13	1.21E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/15/2009	5.77E-15	9.00E-14	2.25E-14	3.13E-16	2.00E-14	5.00E-15	1.92E-16	9.00E-13	2.25E-13	2.48E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2010	4.78E-15	9.00E-14	2.25E-14	3.73E-16	2.00E-14	5.00E-15	4.19E-16	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2010	4.35E-15	9.00E-14	2.25E-14	7.84E-16	2.00E-14	5.00E-15	1.05E-15	9.00E-13	2.25E-13	4.40E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2010	3.57E-15	9.00E-14	2.25E-14	1.14E-15	2.00E-14	5.00E-15	7.97E-16	9.00E-13	2.25E-13	3.78E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2010	8.52E-15	9.00E-14	2.25E-14	1.45E-15	2.00E-14	5.00E-15	1.29E-15	9.00E-13	2.25E-13	1.33E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/4/2011	3.20E-15	9.00E-14	2.25E-14	8.89E-16	2.00E-14	5.00E-15	1.10E-15	9.00E-13	2.25E-13	1.48E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/4/2011	6.98E-15	9.00E-14	2.25E-14	2.03E-15	2.00E-14	5.00E-15	2.52E-15	9.00E-13	2.25E-13	1.08E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/3/2011	3.11E-15	9.00E-14	2.25E-14	1.14E-15	2.00E-14	5.00E-15	5.75E-16	9.00E-13	2.25E-13	1.41E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2012	4.44E-15	9.00E-14	2.25E-14	2.14E-15	2.00E-14	5.00E-15	1.53E-15	9.00E-13	2.25E-13	2.05E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2012	5.52E-15	9.00E-14	2.25E-14	3.24E-15	2.00E-14	5.00E-15	1.79E-15	9.00E-13	2.25E-13	1.55E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2012	5.87E-15	9.00E-14	2.25E-14	3.06E-15	2.00E-14	5.00E-15	1.21E-15	9.00E-13	2.25E-13	1.11E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/1/2012	6.73E-15	9.00E-14	2.25E-14	2.59E-15	2.00E-14	5.00E-15	2.43E-15	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2012	4.50E-15	9.00E-14	2.25E-14	1.62E-15	2.00E-14	5.00E-15	1.79E-15	9.00E-13	2.25E-13	1.74E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/25/2013	6.66E-15	9.00E-14	2.25E-14	1.48E-15	2.00E-14	5.00E-15	1.12E-15	9.00E-13	2.25E-13	1.80E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2013	7.35E-15	9.00E-14	2.25E-14	1.72E-15	2.00E-14	5.00E-15	2.02E-15	9.00E-13	2.25E-13	6.67E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2013	2.78E-15	9.00E-14	2.25E-14	6.92E-16	2.00E-14	5.00E-15	3.29E-16	9.00E-13	2.25E-13	6.62E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2013	6.70E-15	9.00E-14	2.25E-14	3.93E-16	2.00E-14	5.00E-15	2.53E-16	9.00E-13	2.25E-13	2.78E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2014	4.74E-15	9.00E-14	2.25E-14	1.42E-15	2.00E-14	5.00E-15	3.48E-15	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2014	8.18E-15	9.00E-14	2.25E-14	1.34E-15	2.00E-14	5.00E-15	1.76E-15	9.00E-13	2.25E-13	1.42E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2014	1.32E-14	9.00E-14	2.25E-14	7.76E-16	2.00E-14	5.00E-15	1.04E-15	9.00E-13	2.25E-13	1.23E-14	6.00E-13	1.50E-13	4.66E-17	4.00E-15	1.00E-15
12/29/2014	8.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
3/30/2015	1.00E-14	9.00E-14	2.25E-14	5.00E-16	2.00E-14	5.00E-15	2.10E-15	9.00E-13	2.25E-13	3.10E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/29/2015	4.60E-15	9.00E-14	2.25E-14	8.00E-16	2.00E-14	5.00E-15	3.70E-15	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
9/28/2015	1.20E-14	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	9.80E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/28/2015	7.40E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.90E-16	9.00E-13	2.25E-13	2.20E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
3/28/2016	1.40E-15	9.00E-14	2.25E-14	6.00E-16	2.00E-14	5.00E-15	6.20E-15	9.00E-13	2.25E-13	2.30E-14	6.00E-13	1.50E-13	6.00E-17	4.00E-15	1.00E-15
6/27/2016	3.90E-15	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	6.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
9/27/2016	7.10E-15	9.00E-14	2.25E-14	7.60E-16	2.00E-14	5.00E-15	1.10E-15	9.00E-13	2.25E-13	2.90E-16	6.00E-13	1.50E-13	3.00E-17	4.00E-15	1.00E-15
12/27/2016	5.10E-15	9.00E-14	2.25E-14	6.60E-16	2.00E-14	5.00E-15	9.60E-16	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	1.30E-17	4.00E-15	1.00E-15
3/27/2017	7.80E-15	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	2.10E-15	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
6/26/2017	8.00E-16	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
9/25/2017	2.70E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
12/26/2017	1.40E-14	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
3/26/2018	7.10E-16	9.00E-14	2.25E-14	1.70E-16	2.00E-14	5.00E-15	1.50E-16	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15

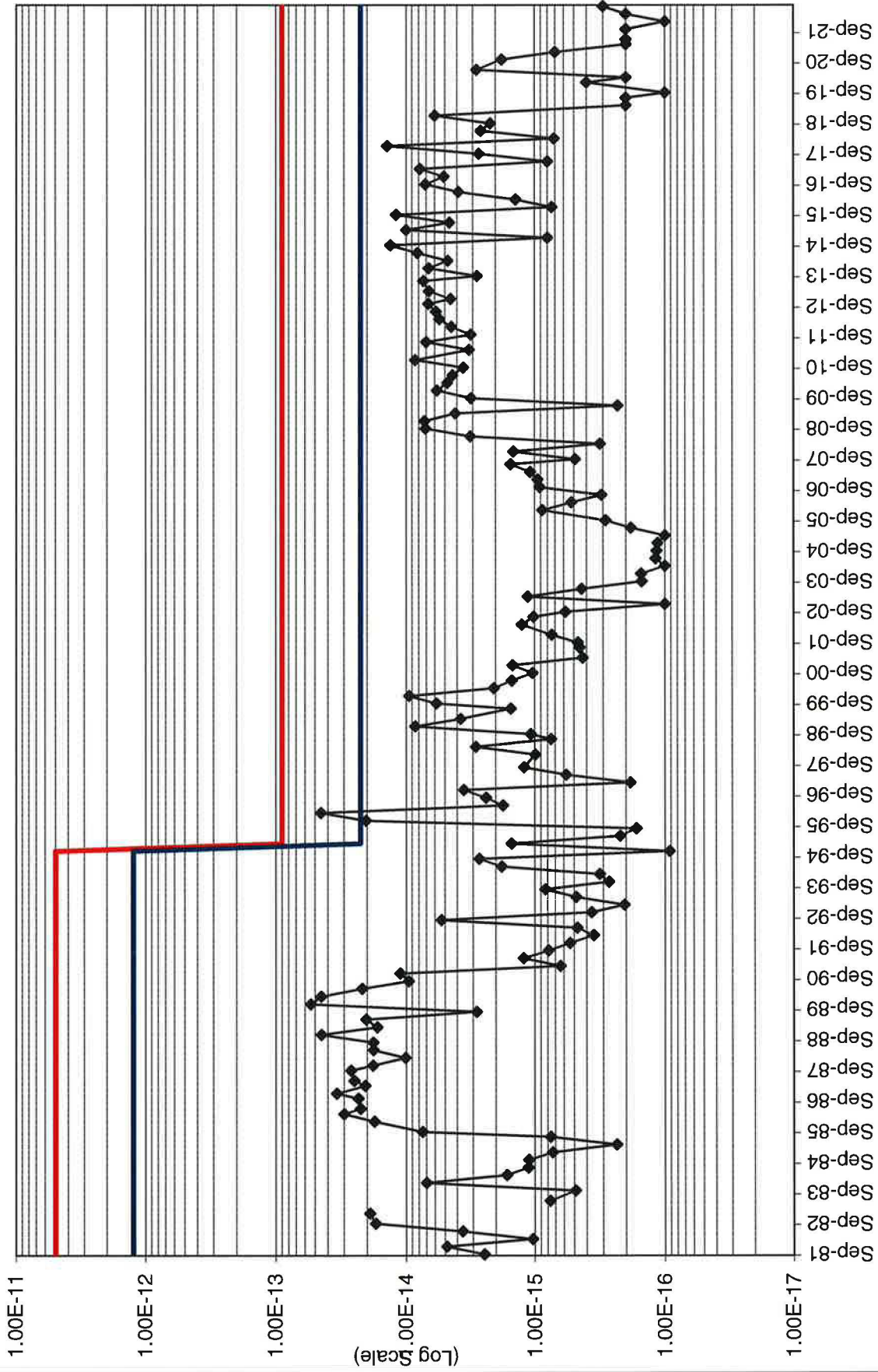
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-5U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-5T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-5R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-5PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-5T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
6/25/2018	2.60E-15	9.00E-14	2.25E-14	2.40E-16	2.00E-14	5.00E-15	5.90E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	9.40E-18	4.00E-15	1.00E-15
9/24/2018	2.20E-15	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
12/31/2018	6.00E-15	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
4/1/2019	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/1/2019	2.00E-16	9.00E-14	2.25E-14	7.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
9/30/2019	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	6.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
1/6/2020	4.00E-16	9.00E-14	2.25E-14	3.00E-16	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
3/30/2020	2.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/30/2020	2.80E-15	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	6.00E-15	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
10/12/2020	1.80E-15	9.00E-14	2.25E-14	8.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
1/4/2021	7.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/5/2021	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	5.00E-15	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
6/28/2021	2.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	6.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
1/4/2022	1.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	9.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
4/4/2022	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
7/5/2022	3.00E-16	9.00E-14	2.25E-14	9.00E-16	2.00E-14	5.00E-15	1.20E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15

BHV-5 Radionuclide Concentrations (uCi/ml)



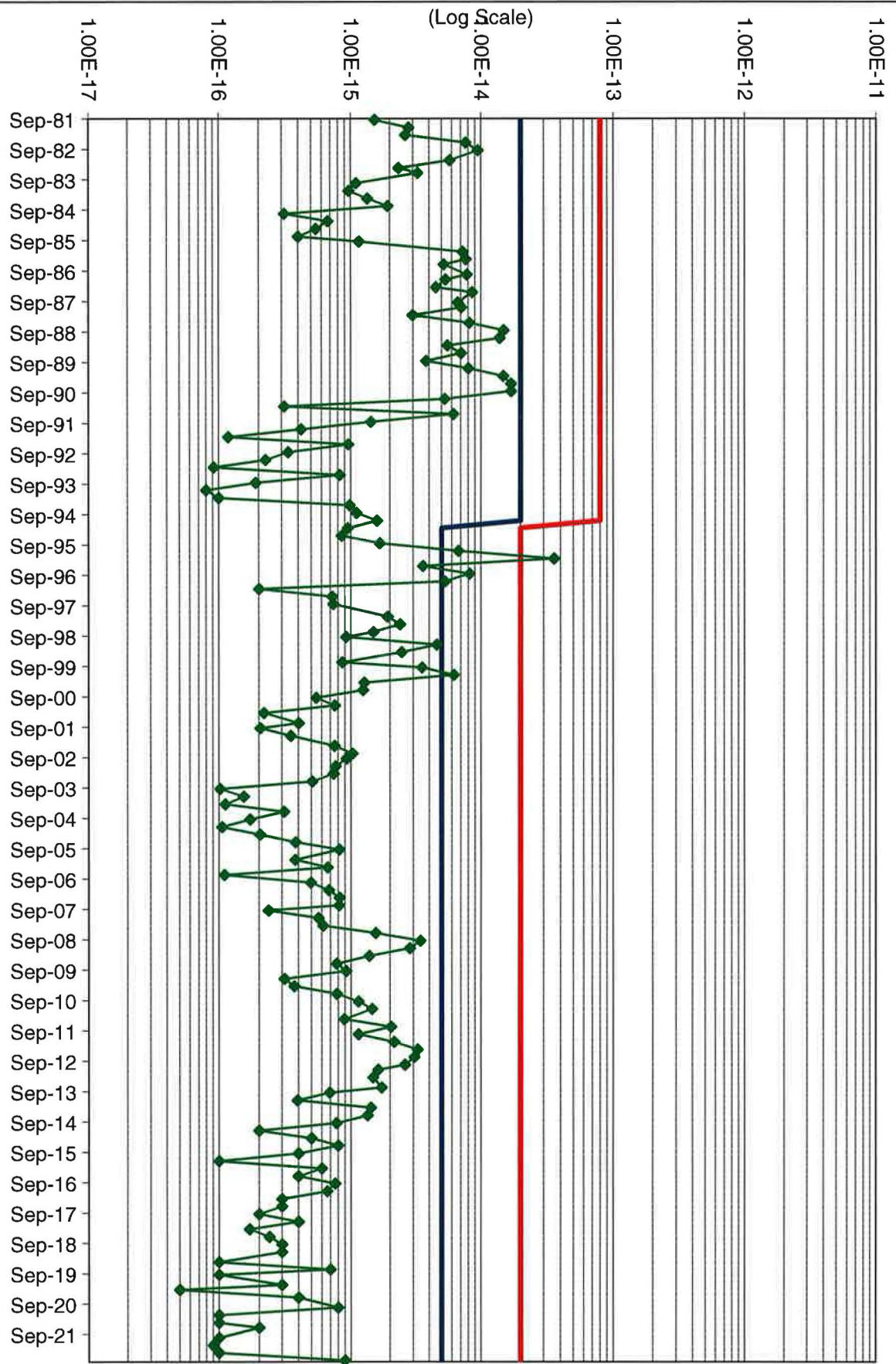
BHV-5 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = $9E-14$ uCi/ml
ALARA Goal = $2.25E-14$ uCi/ml
Pre 1994 MPC Limit = $5E-12$ uCi/ml
Pre 1994 ALARA Goal = $1.25E-12$ uCi/ml



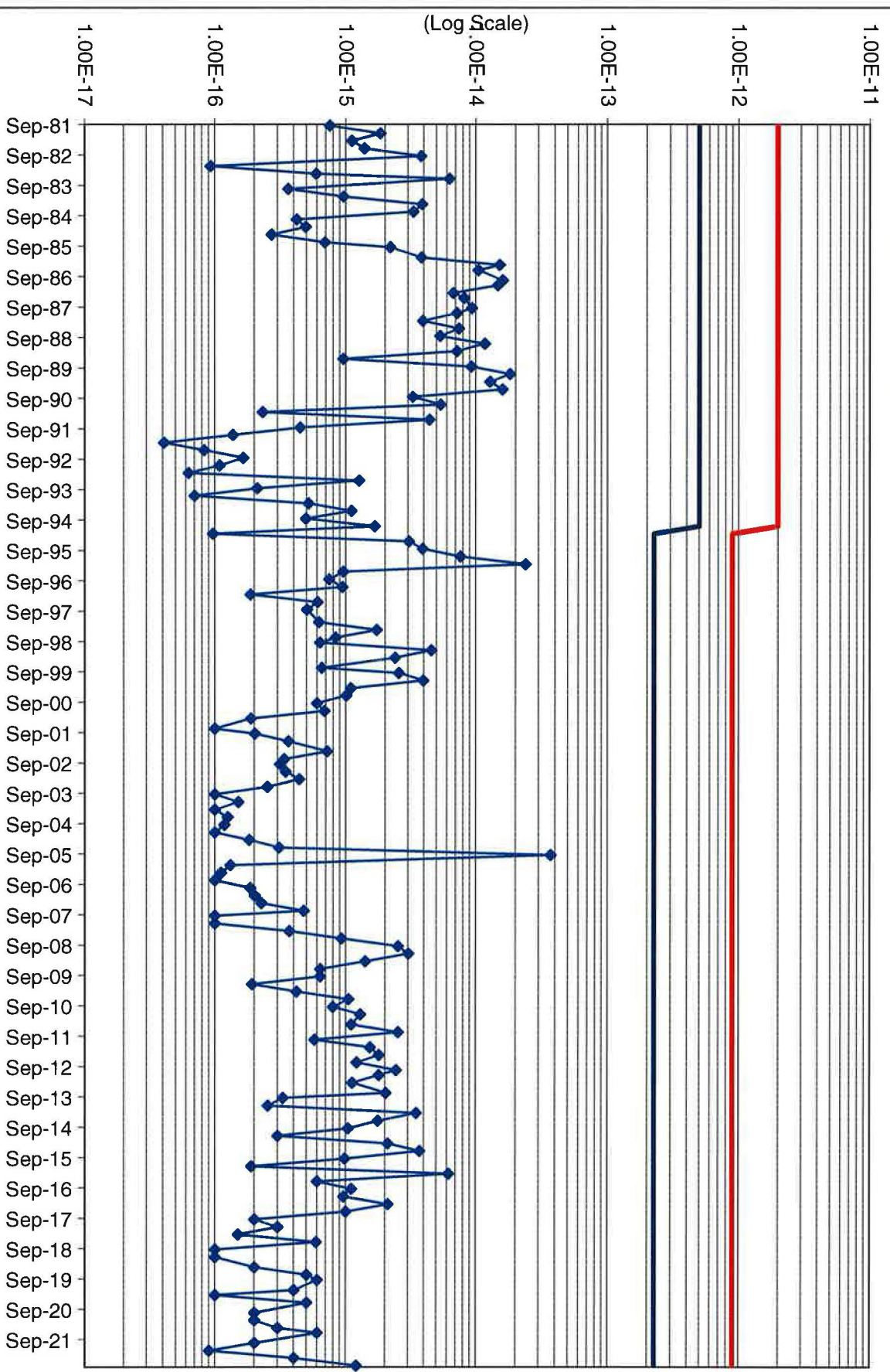
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14uCi/ml

BHV-5 Thorium-230 Concentrations (uCi/ml)



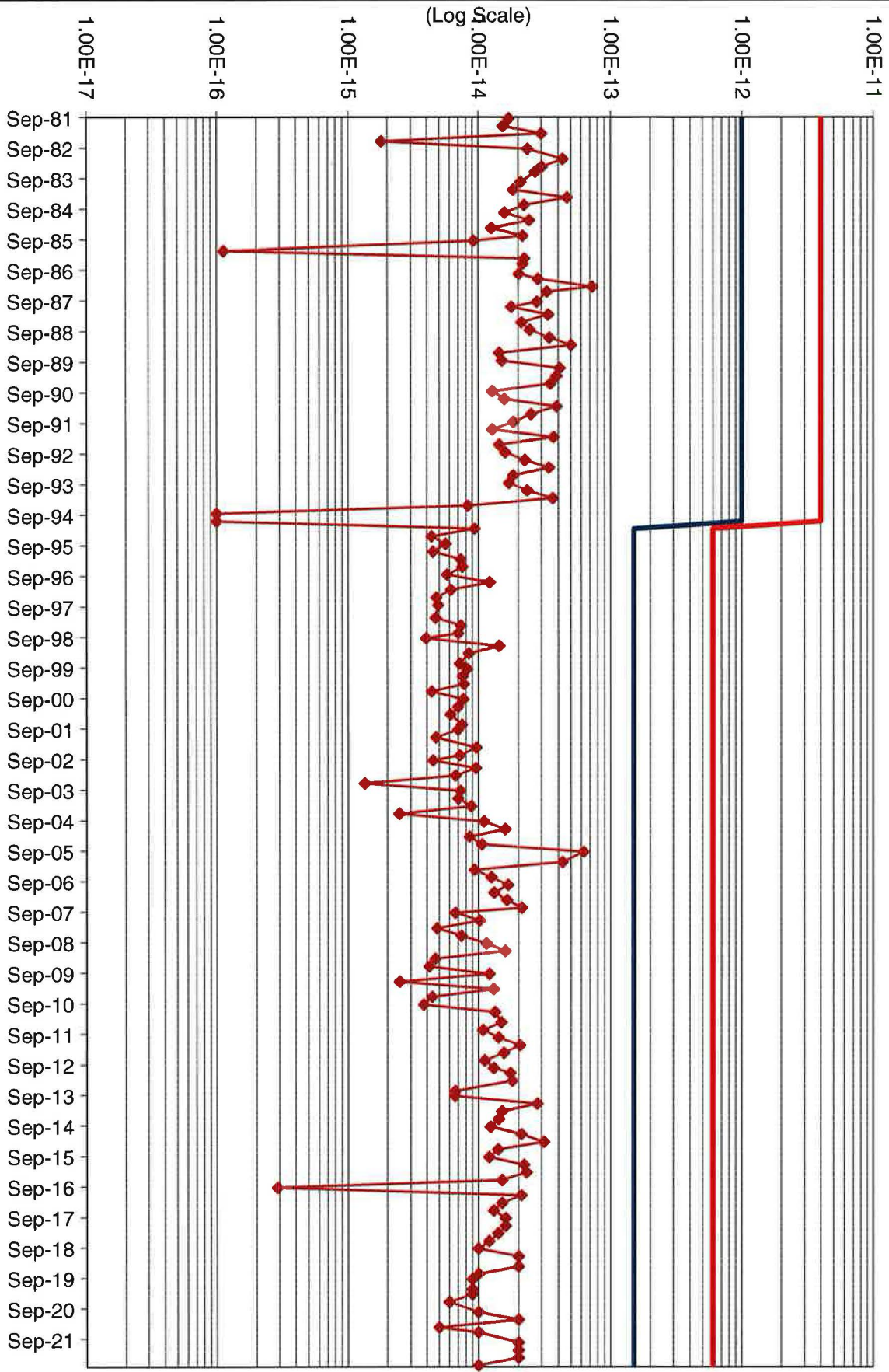
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

BHV-5 Radium-226 Concentrations (uCi/ml)



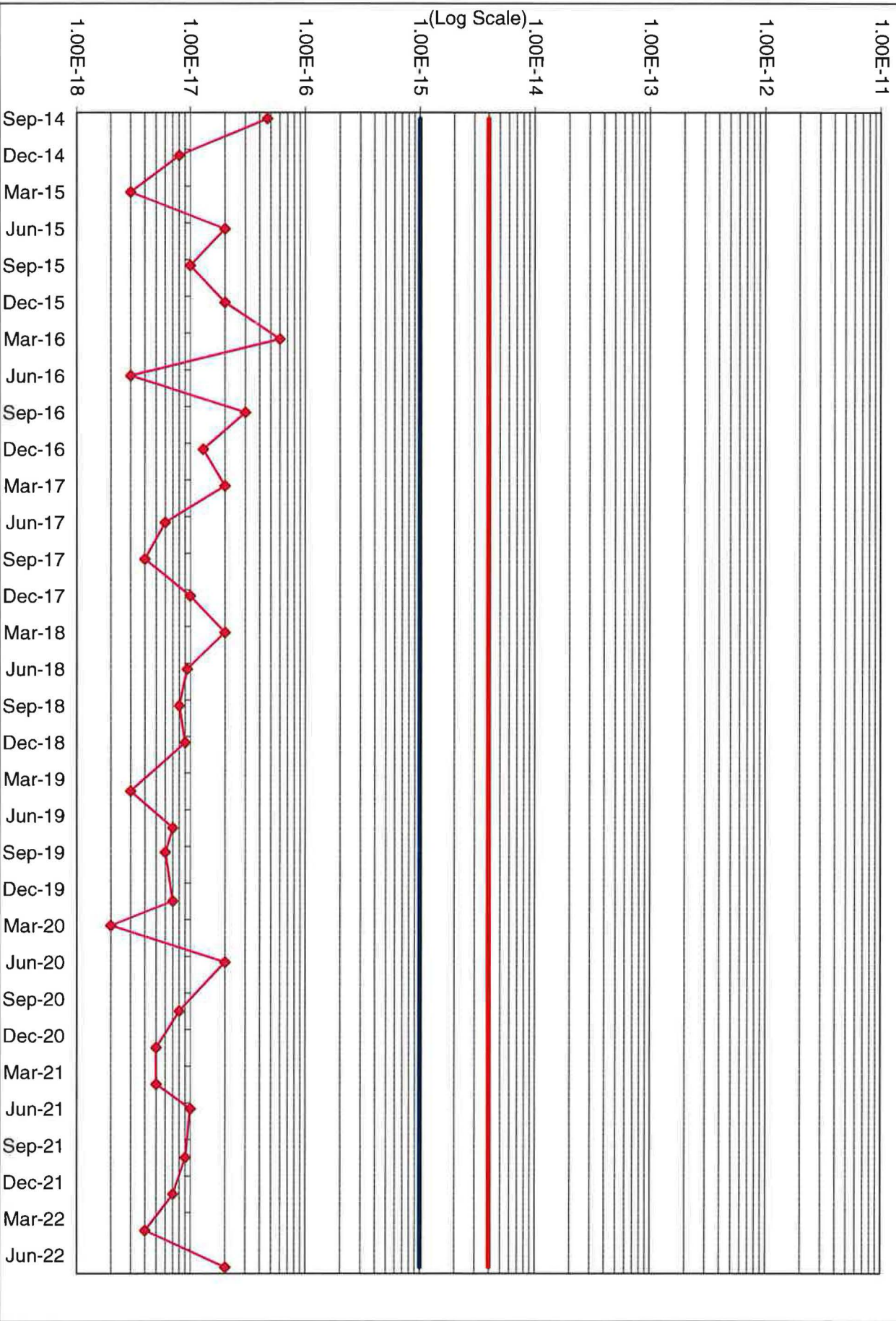
BHV-5 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-5 Thorium-232 Concentrations (uCi/ml)



TAB 6

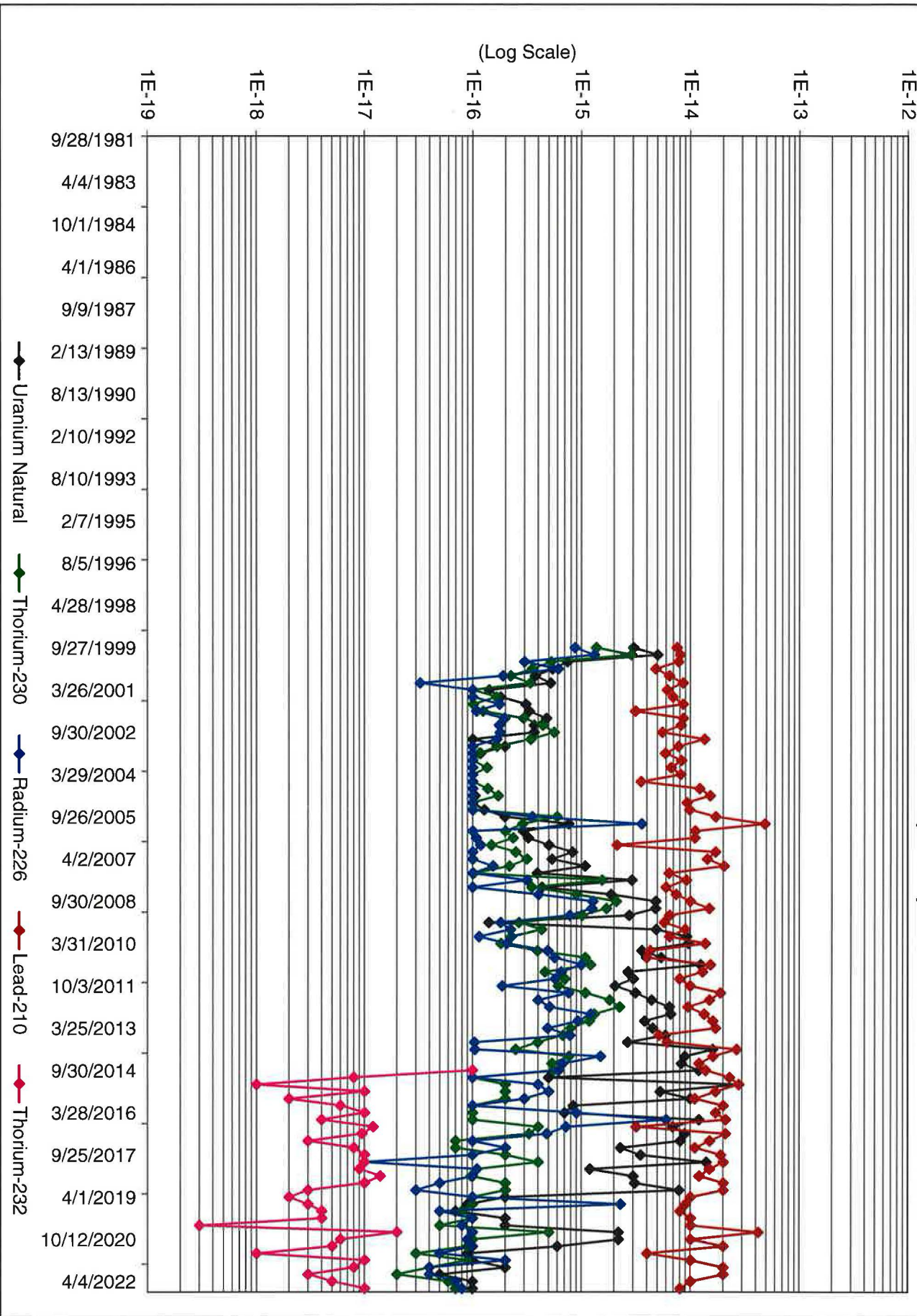
BHV-6 AIR SAMPLING GRAPHS AND DATA TABLE

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-6U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-6T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-6R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-6PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-6T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
11/8/1993		5.00E-12	1.25E-12		8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1994		5.00E-12	1.25E-12		8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
5/9/1994		5.00E-12	1.25E-12		8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
8/9/1994		5.00E-12	1.25E-12		8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
11/7/1994		5.00E-12	1.25E-12		8.00E-14	2.00E-14		2.00E-12	5.00E-13		4.00E-12	1.00E-12	Not Analyzed	Not Applicable	Not Applicable
2/7/1995		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/9/1995		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/9/1995		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/11/1995		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/5/1996		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/6/1996		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/5/1996		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
11/6/1996		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
2/6/1997		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
5/5/1997		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
8/11/1997		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/5/1998		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/28/1998		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/31/1998		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/28/1998		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1998		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/1999		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/1999		9.00E-14	2.25E-14		2.00E-14	5.00E-15		9.00E-13	2.25E-13		6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/1999	3.03E-15	9.00E-14	2.25E-14	1.37E-15	2.00E-14	5.00E-15	8.72E-16	9.00E-13	2.25E-13	7.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/28/1999	5.01E-15	9.00E-14	2.25E-14	2.89E-15	2.00E-14	5.00E-15	1.31E-15	9.00E-13	2.25E-13	8.10E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/30/2000	7.46E-16	9.00E-14	2.25E-14	5.25E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	7.83E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/26/2000	5.40E-16	9.00E-14	2.25E-14	3.53E-16	2.00E-14	5.00E-15	6.11E-16	9.00E-13	2.25E-13	4.83E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/25/2000	3.75E-16	9.00E-14	2.25E-14	2.23E-16	2.00E-14	5.00E-15	1.91E-16	9.00E-13	2.25E-13	6.41E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/26/2000	5.21E-16	9.00E-14	2.25E-14	3.39E-16	2.00E-14	5.00E-15	3.28E-17	9.00E-13	2.25E-13	8.57E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/26/2001	1.42E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.15E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2001	1.81E-16	9.00E-14	2.25E-14	1.66E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.95E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/24/2001	3.08E-16	9.00E-14	2.25E-14	1.01E-16	2.00E-14	5.00E-15	1.77E-16	9.00E-13	2.25E-13	8.59E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2001	3.31E-16	9.00E-14	2.25E-14	1.25E-16	2.00E-14	5.00E-15	1.09E-16	9.00E-13	2.25E-13	3.14E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/1/2002	4.77E-16	9.00E-14	2.25E-14	2.94E-16	2.00E-14	5.00E-15	1.96E-16	9.00E-13	2.25E-13	8.61E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/1/2002	3.68E-16	9.00E-14	2.25E-14	4.41E-16	2.00E-14	5.00E-15	1.76E-16	9.00E-13	2.25E-13	8.20E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2002	3.67E-16	9.00E-14	2.25E-14	5.60E-16	2.00E-14	5.00E-15	1.80E-16	9.00E-13	2.25E-13	5.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2002	1.00E-16	9.00E-14	2.25E-14	3.43E-16	2.00E-14	5.00E-15	1.67E-16	9.00E-13	2.25E-13	1.35E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2003	1.98E-16	9.00E-14	2.25E-14	1.68E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.77E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2003	1.18E-16	9.00E-14	2.25E-14	1.15E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.92E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/29/2003	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.30E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/29/2003	1.00E-16	9.00E-14	2.25E-14	1.36E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.66E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/29/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	8.17E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/27/2004	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	3.55E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/27/2004	1.00E-16	9.00E-14	2.25E-14	1.38E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.22E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/27/2004	1.05E-16	9.00E-14	2.25E-14	1.72E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.52E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/28/2005	1.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.34E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/29/2005	1.28E-16	9.00E-14	2.25E-14	1.01E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	9.85E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/26/2005	1.98E-16	9.00E-14	2.25E-14	5.98E-16	2.00E-14	5.00E-15	3.55E-16	9.00E-13	2.25E-13	1.71E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2006	7.67E-16	9.00E-14	2.25E-14	2.88E-16	2.00E-14	5.00E-15	3.60E-15	9.00E-13	2.25E-13	4.85E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-6U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-6T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-6R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-6PB	Effluent Concentration Limit =	4e-15 uCi/ml	BHV-6T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
4/3/2006	2.92E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.11E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/3/2006	3.25E-16	9.00E-14	2.25E-14	2.36E-16	2.00E-14	5.00E-15	1.08E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/2/2006	5.03E-16	9.00E-14	2.25E-14	1.49E-16	2.00E-14	5.00E-15	1.19E-16	9.00E-13	2.25E-13	2.13E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/1/2007	8.31E-16	9.00E-14	2.25E-14	2.49E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/2/2007	5.36E-16	9.00E-14	2.25E-14	3.15E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.43E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2007	1.08E-15	9.00E-14	2.25E-14	2.18E-16	2.00E-14	5.00E-15	1.54E-16	9.00E-13	2.25E-13	2.04E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2007	3.92E-16	9.00E-14	2.25E-14	1.02E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	6.38E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2007	2.92E-15	9.00E-14	2.25E-14	1.55E-15	2.00E-14	5.00E-15	3.16E-16	9.00E-13	2.25E-13	9.19E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2008	4.34E-16	9.00E-14	2.25E-14	3.51E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	5.99E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/31/2008	1.88E-15	9.00E-14	2.25E-14	9.00E-16	2.00E-14	5.00E-15	4.04E-16	9.00E-13	2.25E-13	7.41E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2008	4.82E-15	9.00E-14	2.25E-14	2.10E-15	2.00E-14	5.00E-15	1.27E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2008	4.80E-15	9.00E-14	2.25E-14	1.70E-15	2.00E-14	5.00E-15	1.25E-15	9.00E-13	2.25E-13	1.49E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/15/2009	2.77E-15	9.00E-14	2.25E-14	1.01E-15	2.00E-14	5.00E-15	7.82E-16	9.00E-13	2.25E-13	6.46E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/15/2009	1.41E-16	9.00E-14	2.25E-14	2.67E-16	2.00E-14	5.00E-15	1.81E-16	9.00E-13	2.25E-13	5.76E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/15/2009	4.87E-15	9.00E-14	2.25E-14	4.32E-16	2.00E-14	5.00E-15	2.23E-16	9.00E-13	2.25E-13	8.98E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/15/2009	9.24E-15	9.00E-14	2.25E-14	2.26E-16	2.00E-14	5.00E-15	1.15E-16	9.00E-13	2.25E-13	6.44E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2010	9.63E-15	9.00E-14	2.25E-14	1.82E-16	2.00E-14	5.00E-15	2.06E-16	9.00E-13	2.25E-13	1.37E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2010	3.62E-15	9.00E-14	2.25E-14	3.94E-16	2.00E-14	5.00E-15	4.89E-16	9.00E-13	2.25E-13	4.30E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2010	5.42E-15	9.00E-14	2.25E-14	1.08E-15	2.00E-14	5.00E-15	5.68E-16	9.00E-13	2.25E-13	3.98E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2010	1.24E-14	9.00E-14	2.25E-14	1.21E-15	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	1.53E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/4/2011	2.70E-15	9.00E-14	2.25E-14	4.62E-16	2.00E-14	5.00E-15	6.51E-16	9.00E-13	2.25E-13	1.29E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/4/2011	3.01E-15	9.00E-14	2.25E-14	7.07E-16	2.00E-14	5.00E-15	5.75E-16	9.00E-13	2.25E-13	7.97E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/3/2011	2.05E-15	9.00E-14	2.25E-14	6.12E-16	2.00E-14	5.00E-15	1.88E-16	9.00E-13	2.25E-13	9.93E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
1/3/2012	3.14E-15	9.00E-14	2.25E-14	1.09E-15	2.00E-14	5.00E-15	7.65E-16	9.00E-13	2.25E-13	1.89E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
4/3/2012	4.41E-15	9.00E-14	2.25E-14	1.82E-15	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2012	6.42E-15	9.00E-14	2.25E-14	2.25E-15	2.00E-14	5.00E-15	5.11E-16	9.00E-13	2.25E-13	9.54E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
10/1/2012	6.63E-15	9.00E-14	2.25E-14	1.31E-15	2.00E-14	5.00E-15	1.22E-15	9.00E-13	2.25E-13	1.34E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/31/2012	3.83E-15	9.00E-14	2.25E-14	1.18E-15	2.00E-14	5.00E-15	9.30E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/25/2013	4.52E-15	9.00E-14	2.25E-14	7.93E-16	2.00E-14	5.00E-15	4.91E-16	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
7/2/2013	5.91E-15	9.00E-14	2.25E-14	6.74E-16	2.00E-14	5.00E-15	7.85E-16	9.00E-13	2.25E-13	5.18E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2013	2.68E-15	9.00E-14	2.25E-14	3.97E-16	2.00E-14	5.00E-15	1.04E-16	9.00E-13	2.25E-13	6.13E-15	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
12/30/2013	1.60E-14	9.00E-14	2.25E-14	2.48E-16	2.00E-14	5.00E-15	1.05E-16	9.00E-13	2.25E-13	2.67E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
3/31/2014	8.92E-15	9.00E-14	2.25E-14	7.68E-16	2.00E-14	5.00E-15	1.50E-15	9.00E-13	2.25E-13	1.61E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
6/30/2014	8.29E-15	9.00E-14	2.25E-14	5.35E-16	2.00E-14	5.00E-15	6.72E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	Not Analyzed	Not Applicable	Not Applicable
9/30/2014	1.20E-14	9.00E-14	2.25E-14	5.54E-16	2.00E-14	5.00E-15	6.18E-16	9.00E-13	2.25E-13	1.38E-14	6.00E-13	1.50E-13	1.00E-16	4.00E-15	1.00E-15
12/29/2014	5.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.30E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
3/30/2015	2.80E-14	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	2.80E-14	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
6/29/2015	5.30E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/28/2015	1.00E-14	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
12/28/2015	8.40E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
3/28/2016	7.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	9.00E-16	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
6/27/2016	1.20E-14	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	6.00E-15	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
9/27/2016	6.90E-15	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	7.20E-16	9.00E-13	2.25E-13	3.20E-15	6.00E-13	1.50E-13	1.20E-17	4.00E-15	1.00E-15
12/27/2016	8.90E-15	9.00E-14	2.25E-14	3.30E-16	2.00E-14	5.00E-15	4.80E-16	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	9.50E-18	4.00E-15	1.00E-15
3/27/2017	8.10E-15	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/26/2017	2.30E-15	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
9/25/2017	3.50E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.90E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/26/2017	1.40E-14	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	1.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
3/26/2018	1.20E-15	9.00E-14	2.25E-14	1.10E-16	2.00E-14	5.00E-15	1.10E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15

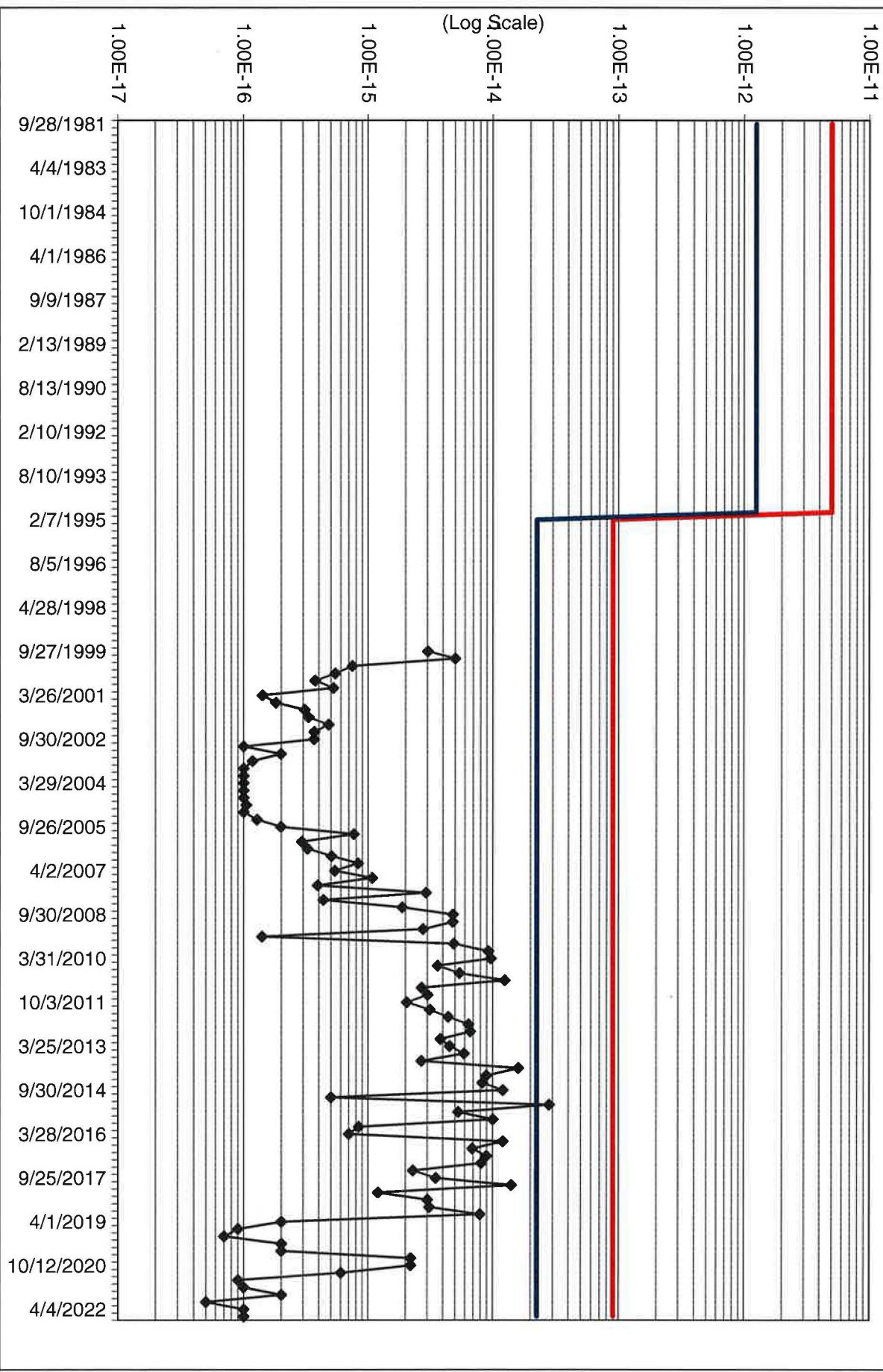
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-6U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-6T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-6R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-6PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-6T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
6/25/2018	3.00E-15	9.00E-14	2.25E-14	9.70E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	1.40E-17	4.00E-15	1.00E-15
9/24/2018	3.10E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/31/2018	7.90E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
4/1/2019	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
7/1/2019	9.00E-17	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.30E-15	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
9/30/2019	7.00E-17	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
1/6/2020	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
3/30/2020	2.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-19	4.00E-15	1.00E-15
6/30/2020	2.20E-15	9.00E-14	2.25E-14	5.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	4.20E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
10/12/2020	2.20E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	9.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
1/4/2021	6.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/5/2021	9.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	4.00E-15	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
6/28/2021	1.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	2.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
1/4/2022	5.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
4/4/2022	1.00E-16	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
7/5/2022	1.00E-16	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15

BHV-6 Radionuclide Concentrations (uCi/ml)



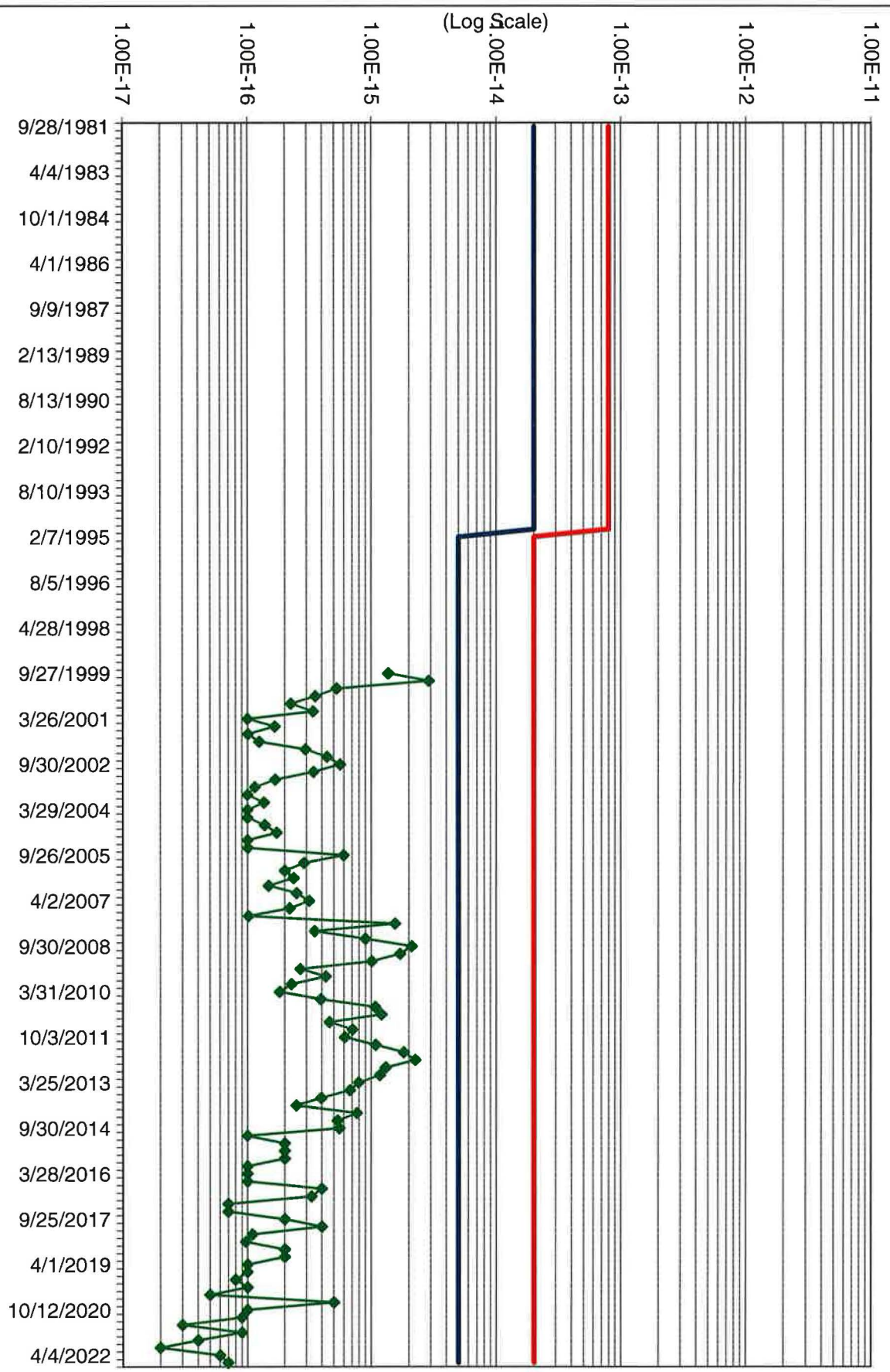
Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml

BHV-6 Uranium-Natural Concentrations (uCi/ml)



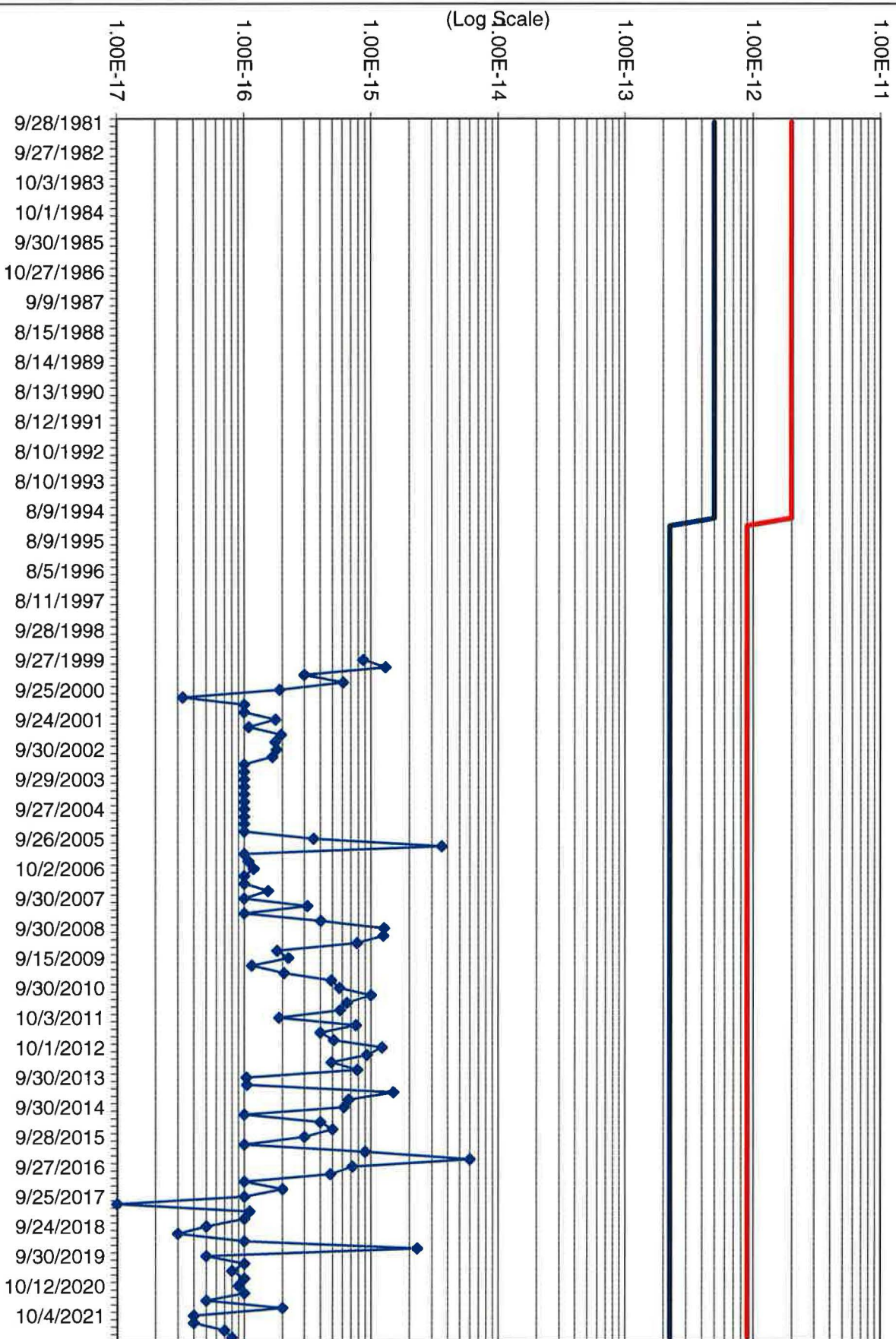
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14uCi/ml

BHV-6 Thorium-230 Concentrations (uCi/ml)



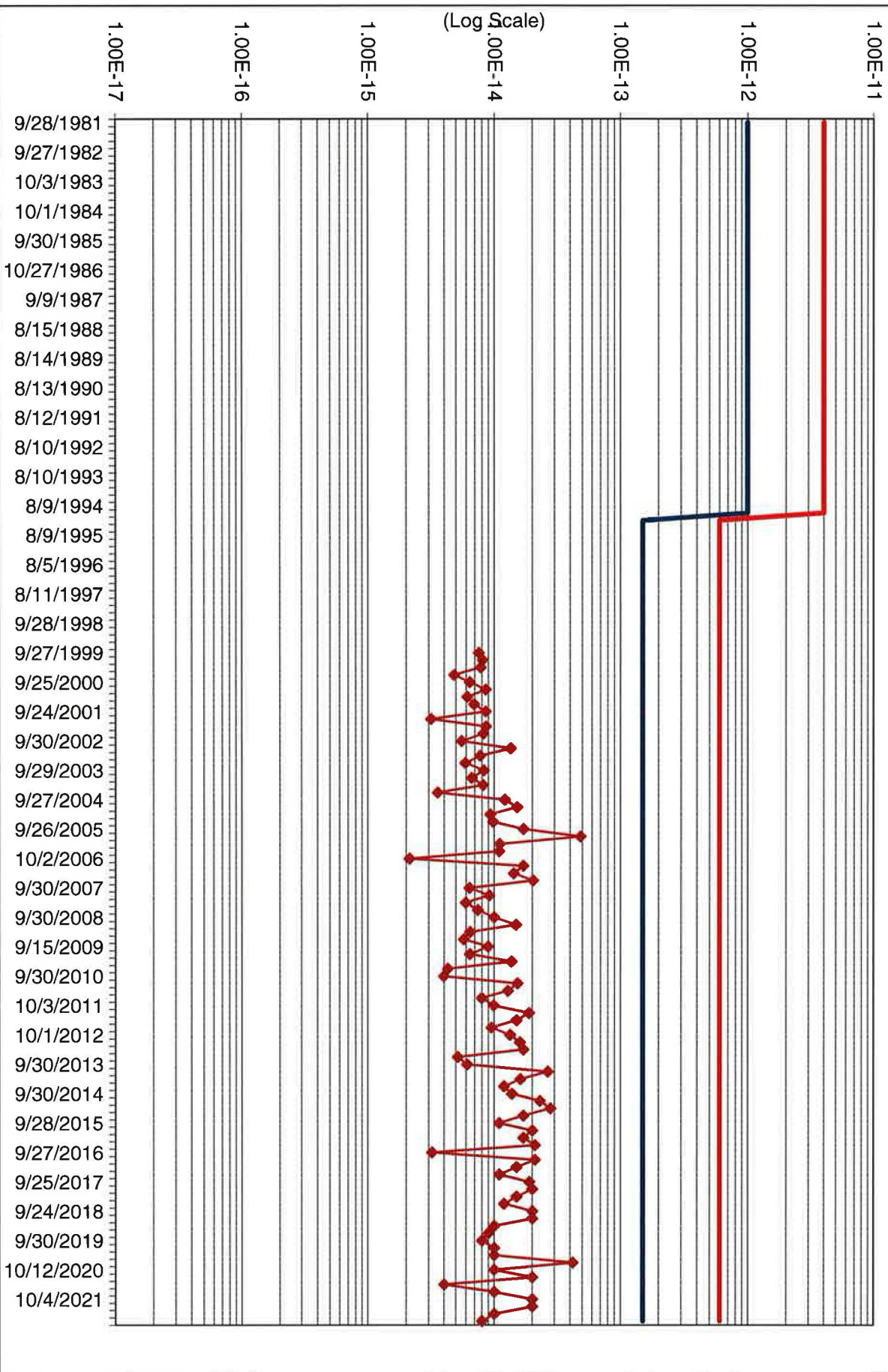
BHV-6 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml



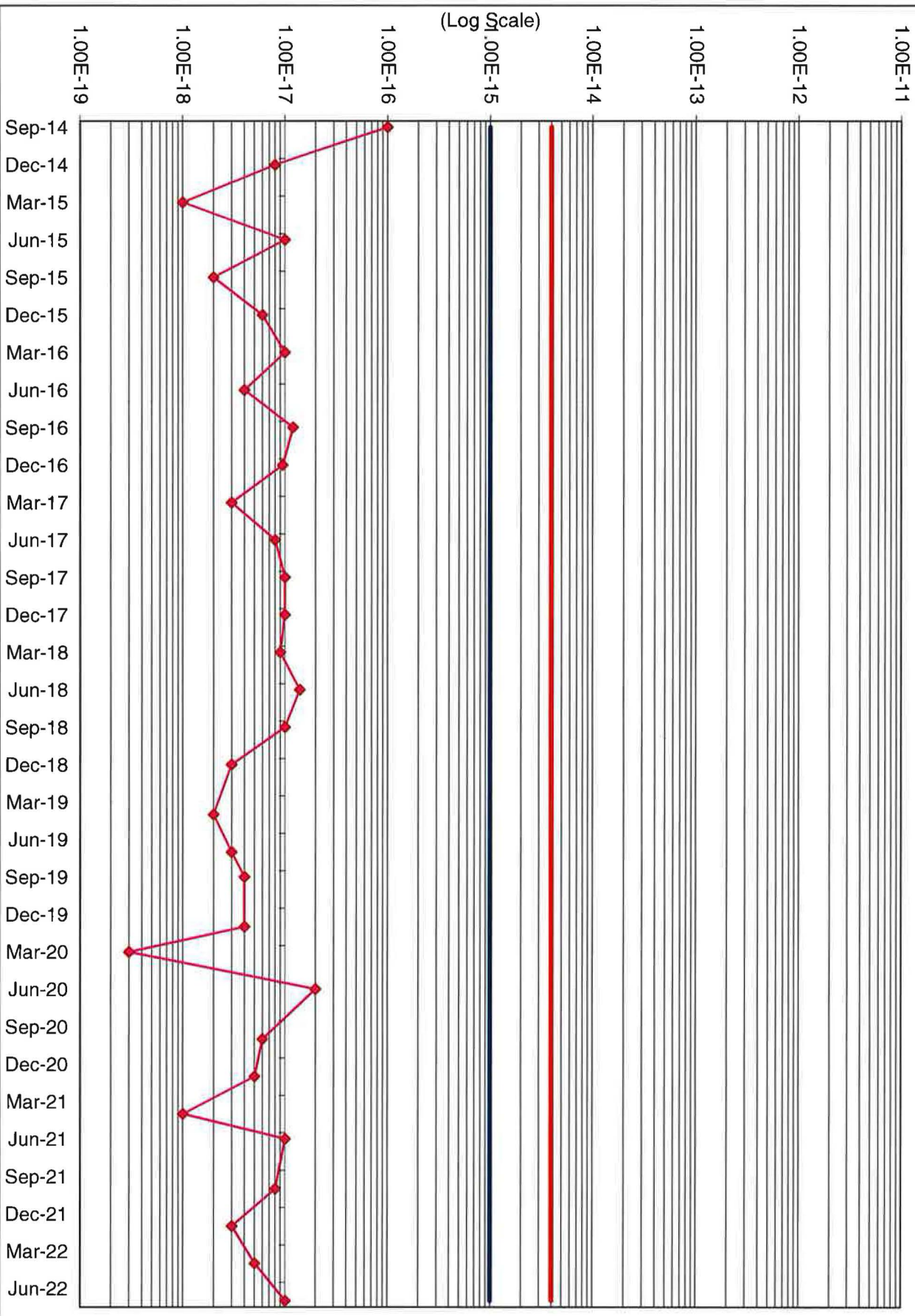
BHV-6 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-6 Thorium-232 Concentrations (uCi/ml)



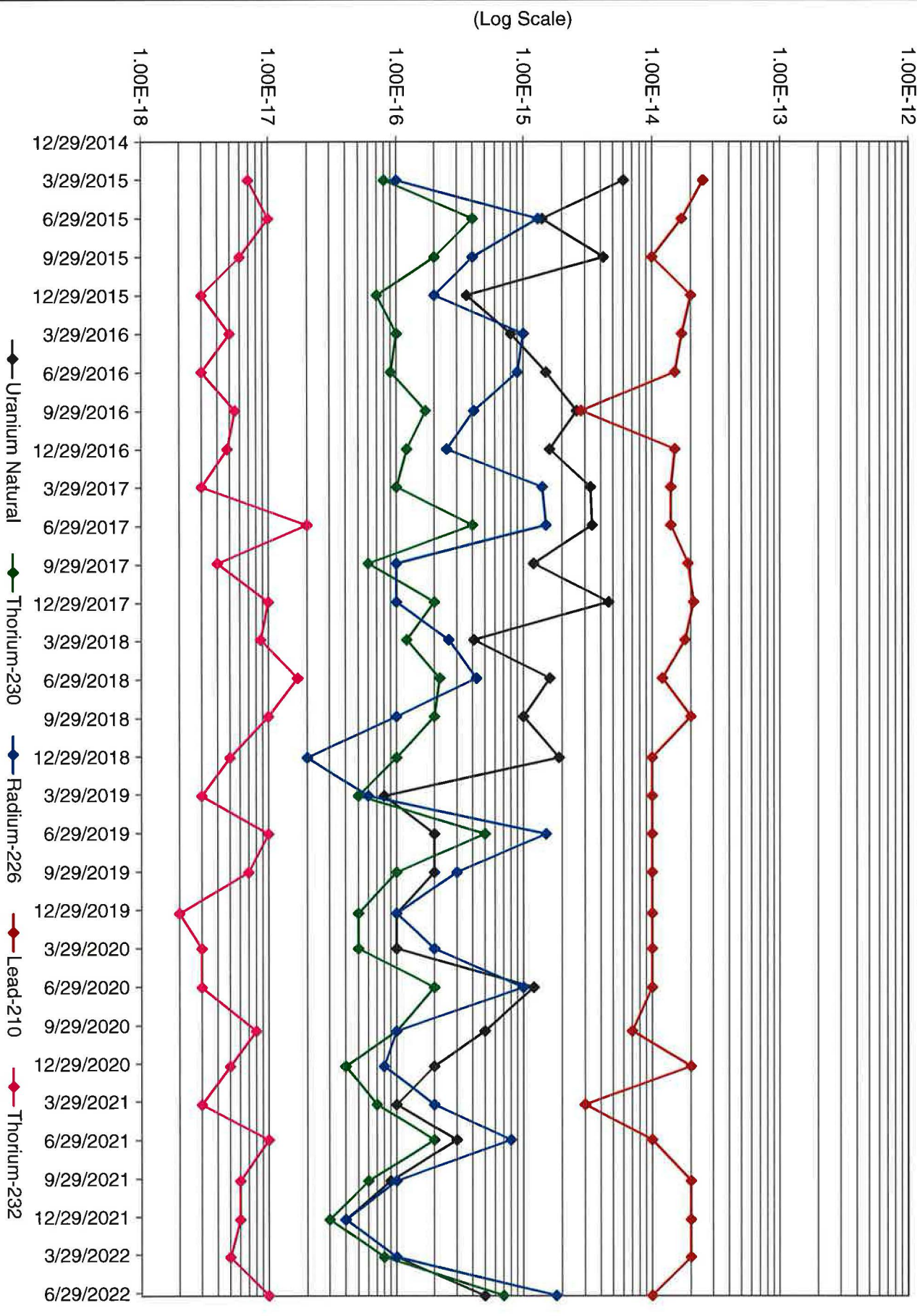
TAB 7

BHV-7 AIR SAMPLING GRAPHS AND DATA TABLE

Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-7U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-7T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-7R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-7PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-7T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
12/29/2014	NS	9.00E-14	2.25E-14	NS	2.00E-14	5.00E-15	NS	9.00E-13	2.25E-13	NS	6.00E-13	1.50E-13	NS	4.00E-15	1.00E-15
3/30/2015	6.00E-15	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.50E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
6/29/2015	1.40E-15	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	1.30E-15	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/28/2015	4.20E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
12/28/2015	3.60E-16	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
3/28/2016	8.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
6/27/2016	1.50E-15	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	9.00E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
9/27/2016	2.60E-15	9.00E-14	2.25E-14	1.70E-16	2.00E-14	5.00E-15	4.10E-16	9.00E-13	2.25E-13	2.80E-15	6.00E-13	1.50E-13	5.50E-18	4.00E-15	1.00E-15
12/27/2016	1.60E-15	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	2.50E-16	9.00E-13	2.25E-13	1.50E-14	6.00E-13	1.50E-13	4.80E-18	4.00E-15	1.00E-15
3/27/2017	3.30E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.40E-15	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/26/2017	3.40E-15	9.00E-14	2.25E-14	4.00E-16	2.00E-14	5.00E-15	1.50E-15	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	2.00E-17	4.00E-15	1.00E-15
9/25/2017	1.20E-15	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.90E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
12/26/2017	4.60E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
3/26/2018	4.10E-16	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	2.60E-16	9.00E-13	2.25E-13	1.80E-14	6.00E-13	1.50E-13	8.70E-18	4.00E-15	1.00E-15
6/25/2018	1.60E-15	9.00E-14	2.25E-14	2.20E-16	2.00E-14	5.00E-15	4.30E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	1.70E-17	4.00E-15	1.00E-15
9/24/2018	1.00E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
12/31/2018	1.90E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/1/2019	8.00E-17	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/1/2019	2.00E-16	9.00E-14	2.25E-14	5.00E-16	2.00E-14	5.00E-15	1.50E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
9/30/2019	2.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
1/6/2020	1.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
3/30/2020	1.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/30/2020	1.20E-15	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.00E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
10/12/2020	5.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	8.00E-18	4.00E-15	1.00E-15
1/4/2021	2.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/5/2021	1.00E-16	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	3.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
6/28/2021	3.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	8.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	9.00E-17	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
1/4/2022	4.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
4/4/2022	1.00E-16	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
7/5/2022	5.00E-16	9.00E-14	2.25E-14	7.00E-16	2.00E-14	5.00E-15	1.80E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15

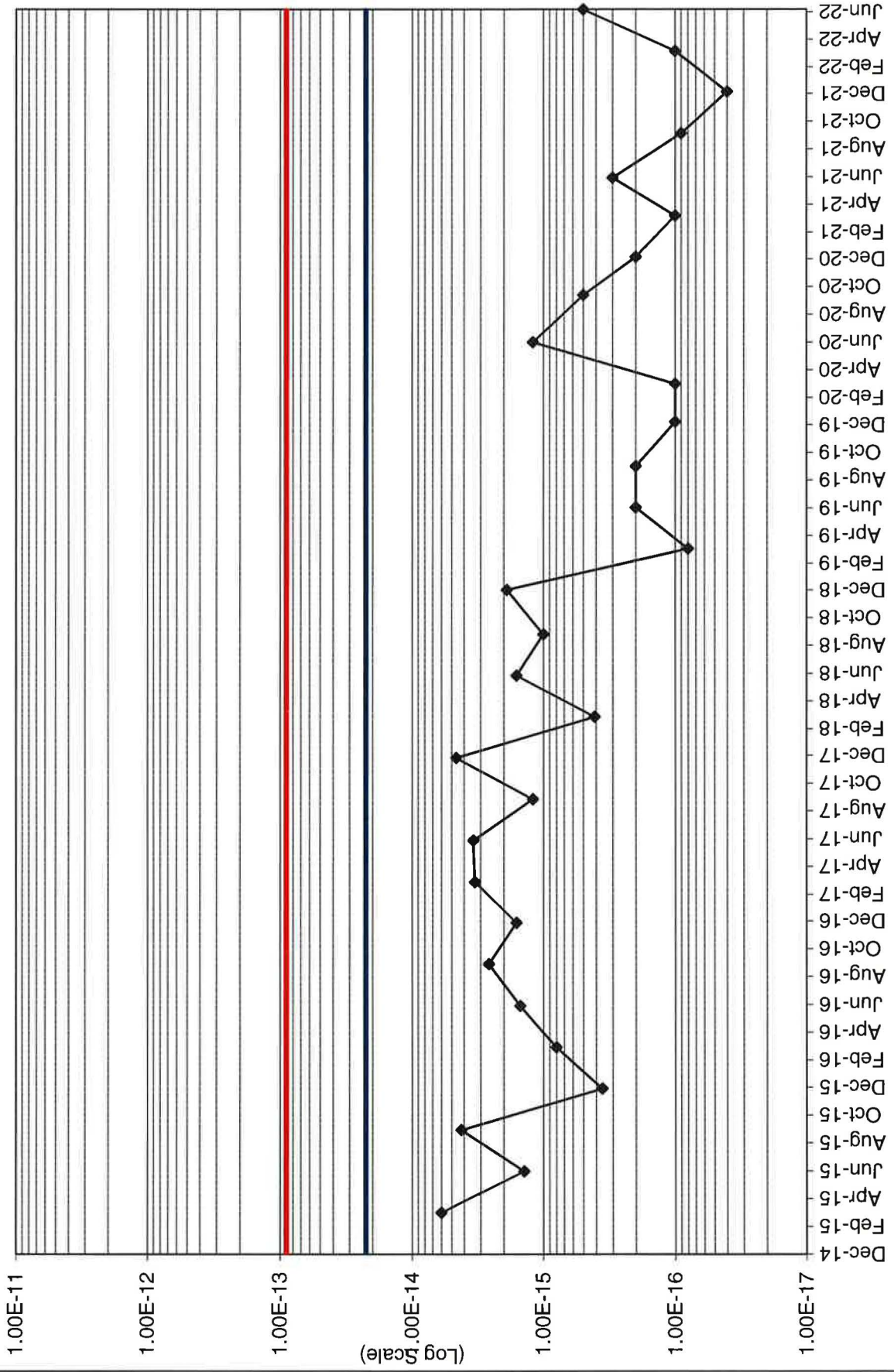
5E-15

BHV-7 Radionuclide Concentrations (uCi/ml)



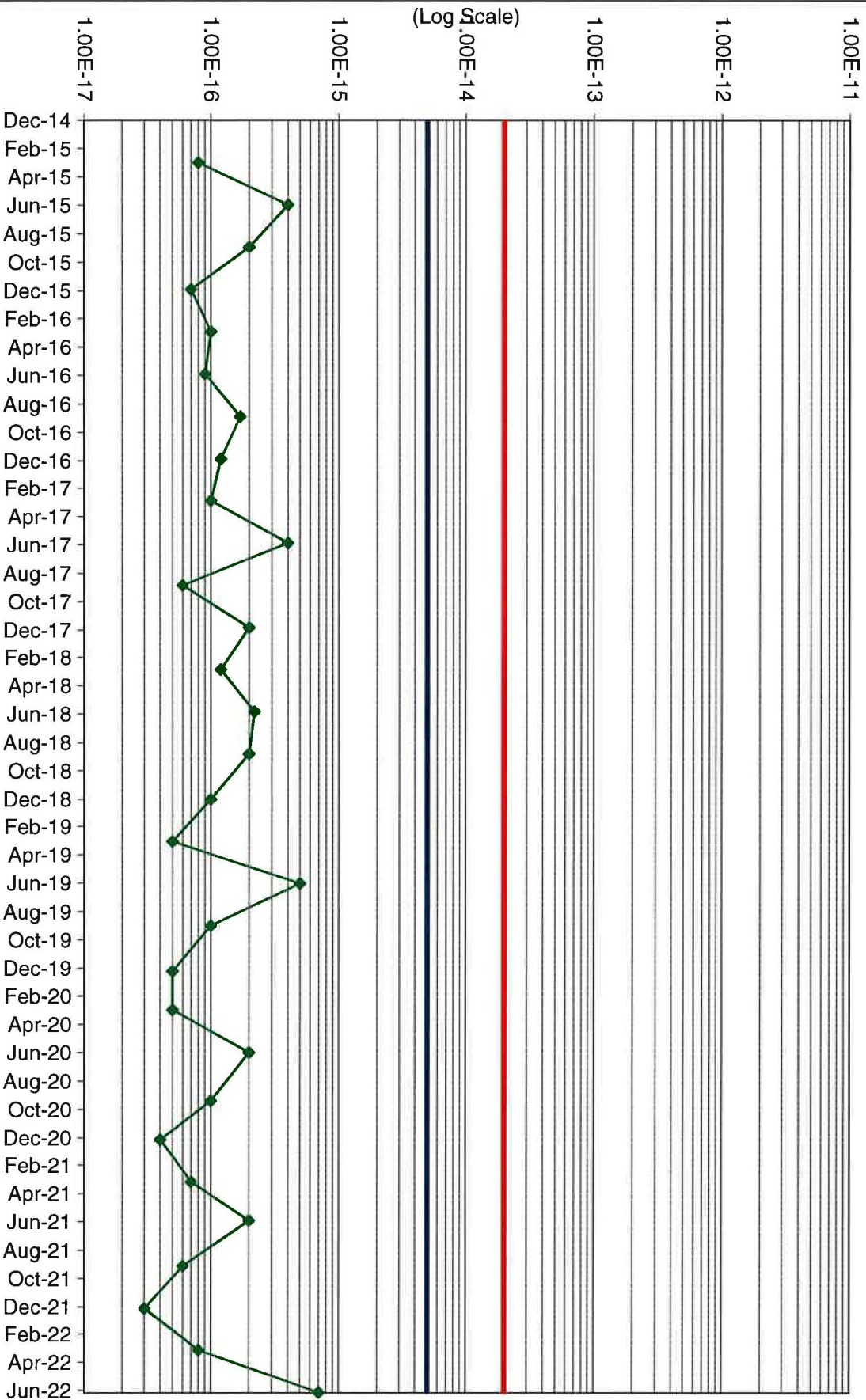
BHV-7 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = $9E-14$ uCi/ml
ALARA Goal = $2.25E-14$ uCi/ml
Pre 1994 MPC Limit = $5E-12$ uCi/ml
Pre 1994 ALARA Goal = $1.25E-12$ uCi/ml



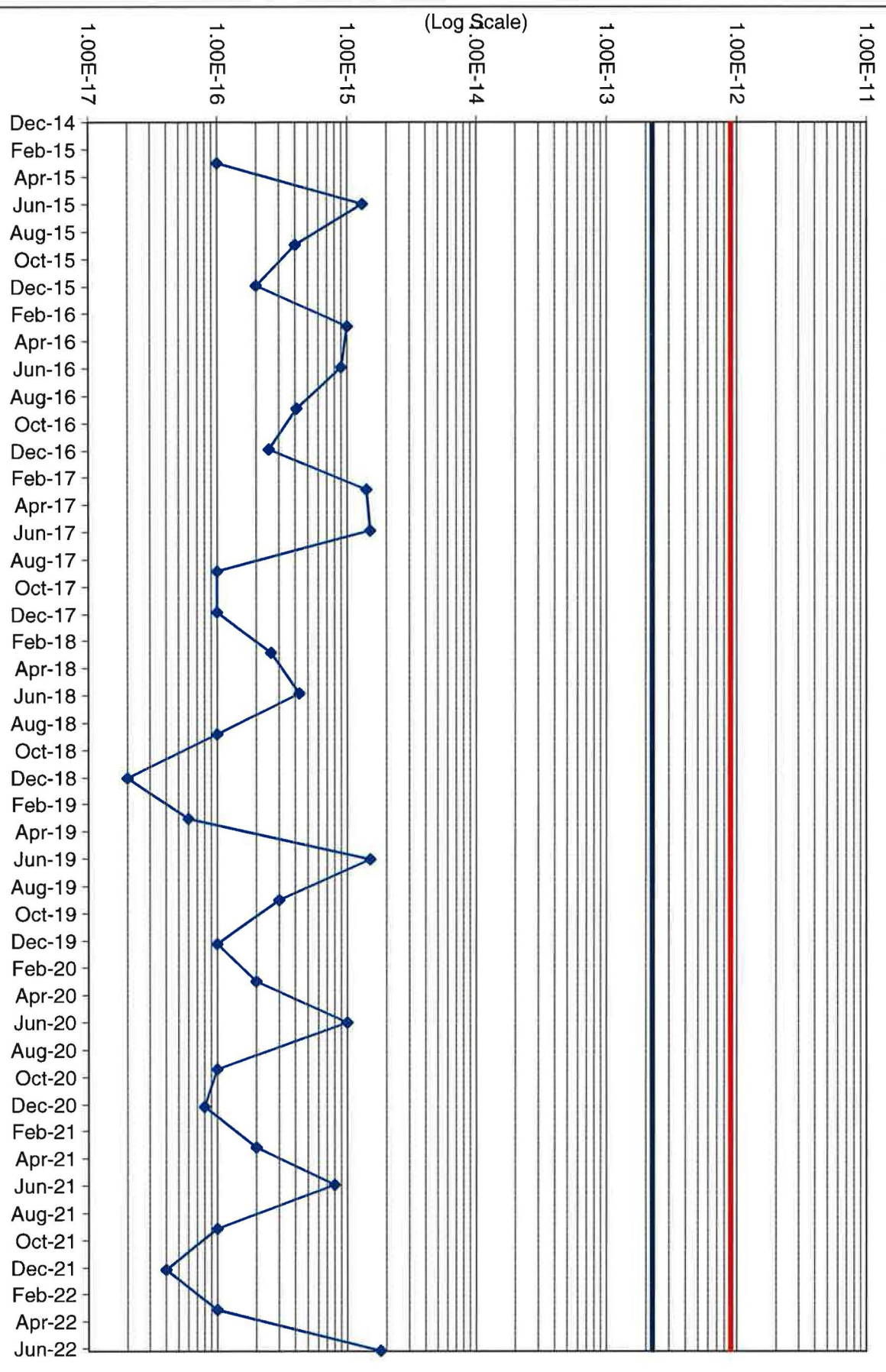
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-7 Thorium-230 Concentrations (uCi/ml)



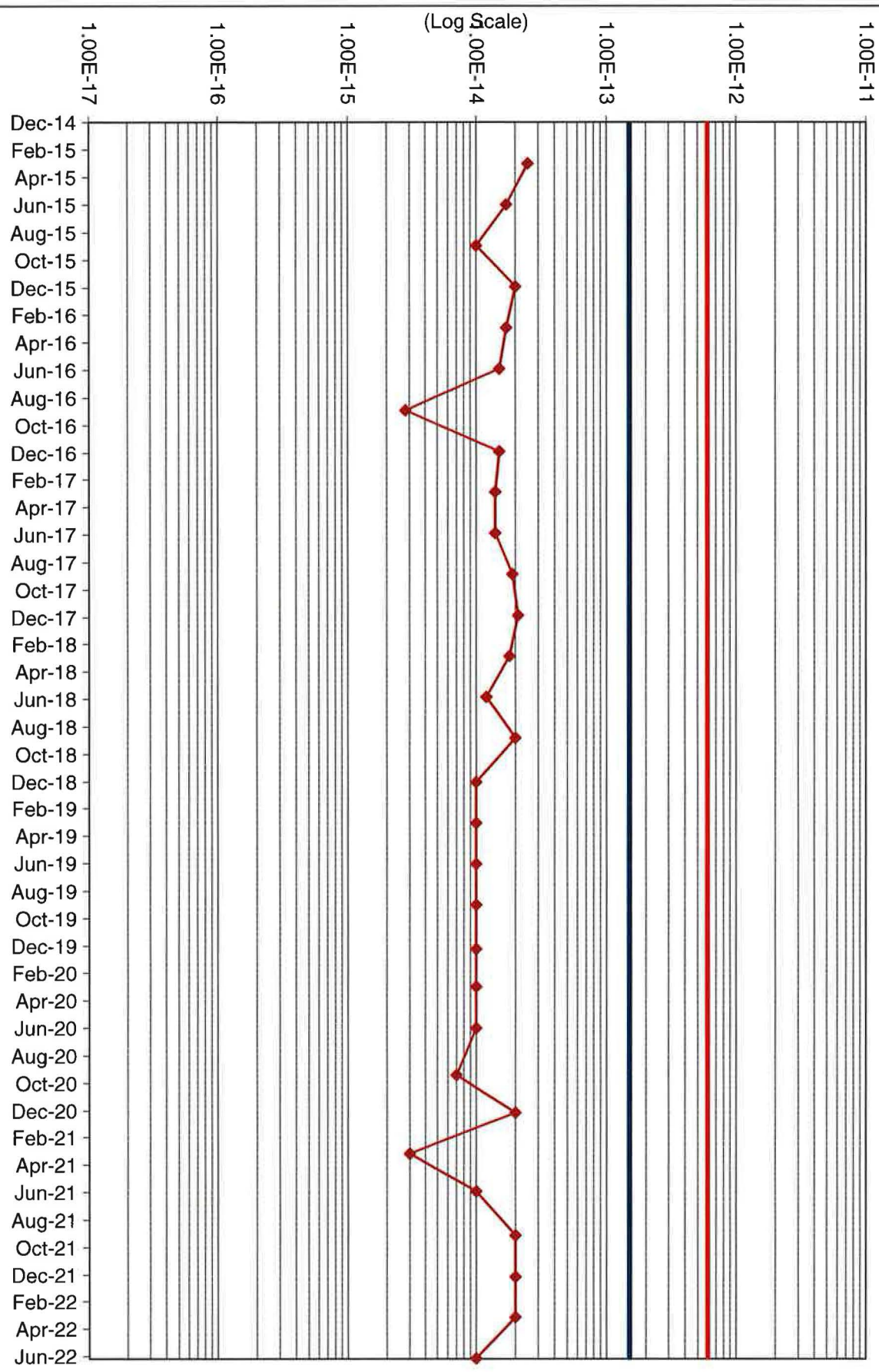
BHV-7 Radium-226 Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml



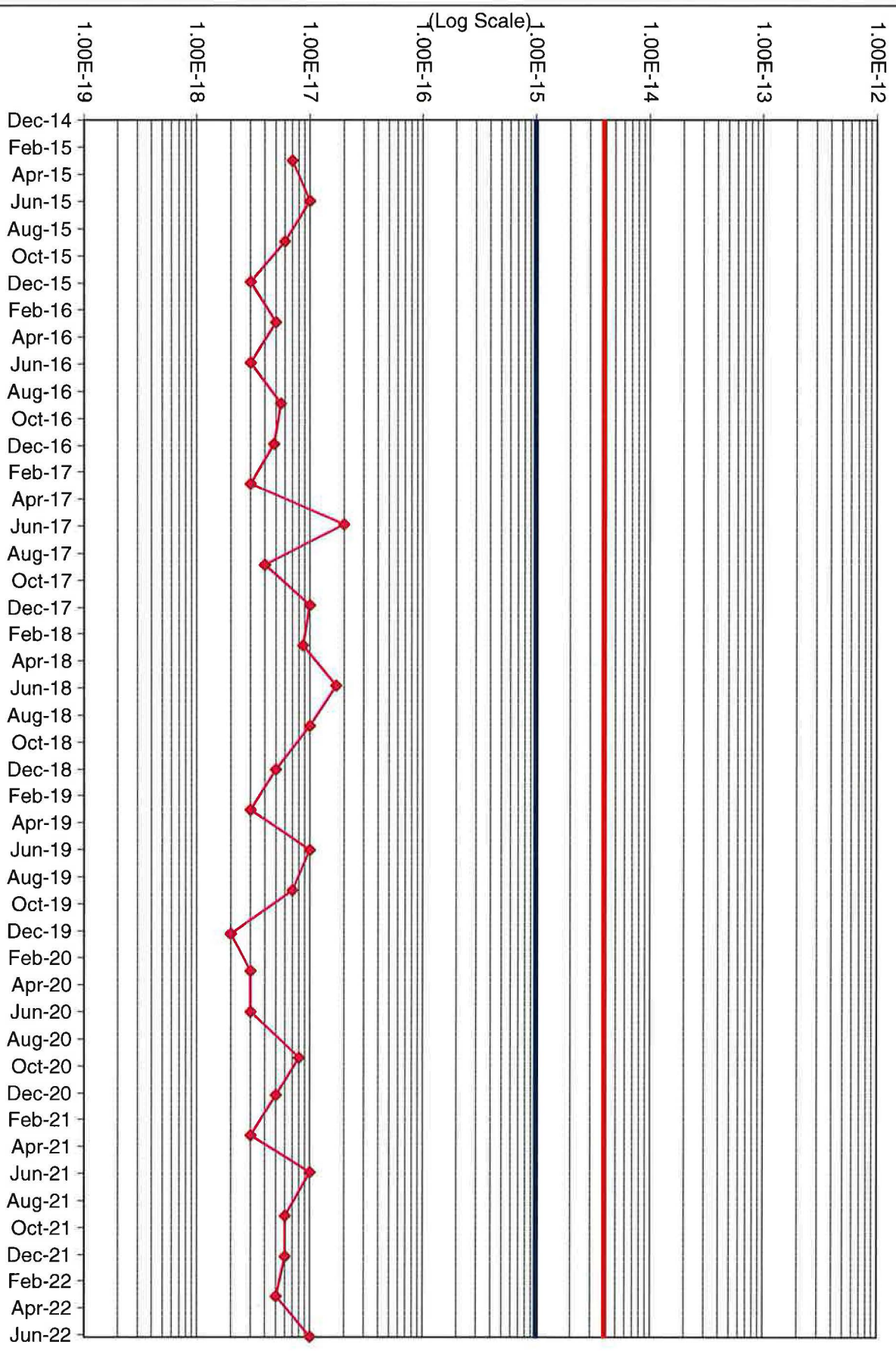
Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml

BHV-7 Lead-210 Concentrations (uCi/ml)



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-7 Thorium-232 Concentrations (uCi/ml)

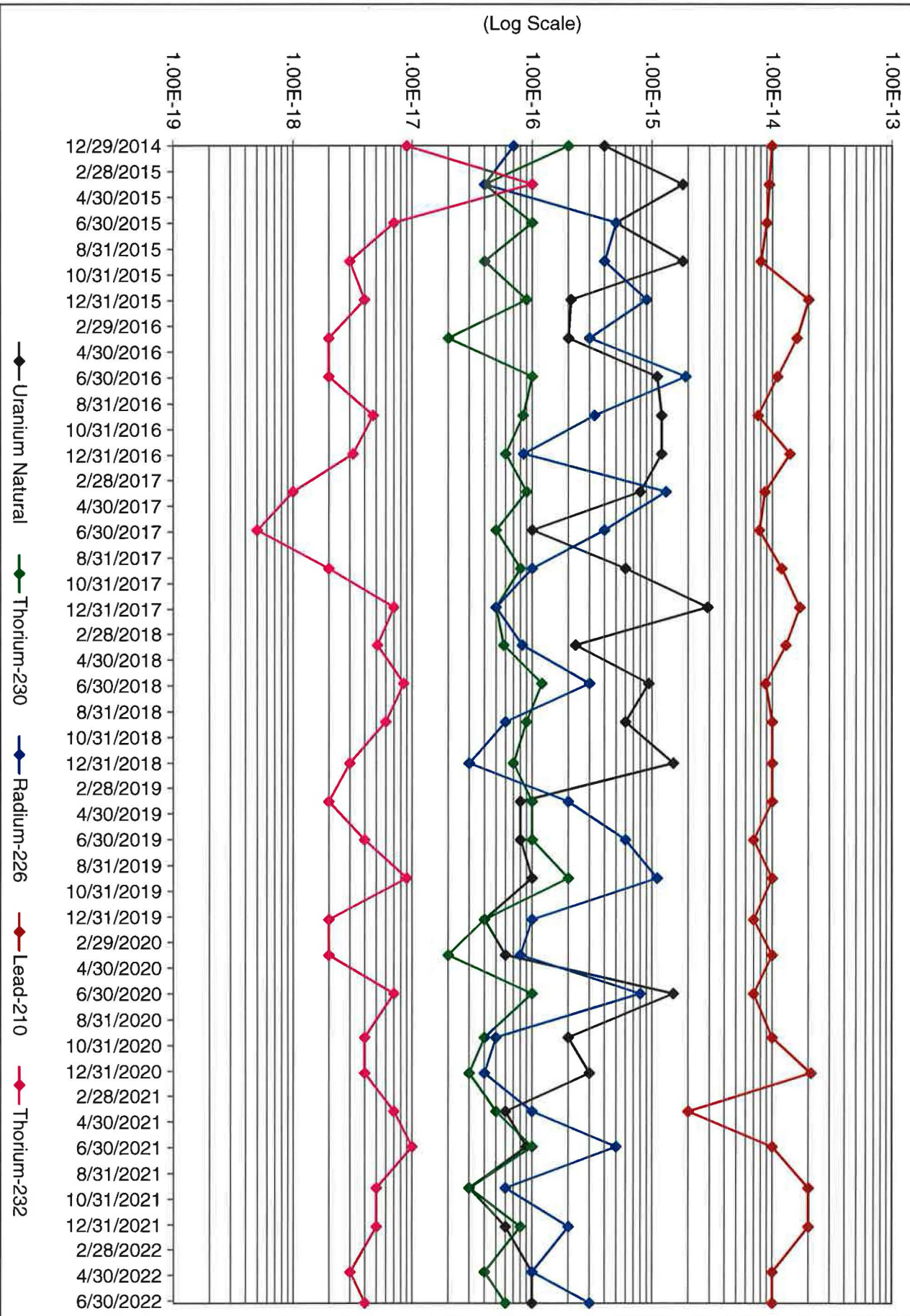


TAB 8

BHV-8 AIR SAMPLING GRAPHS AND DATA TABLE

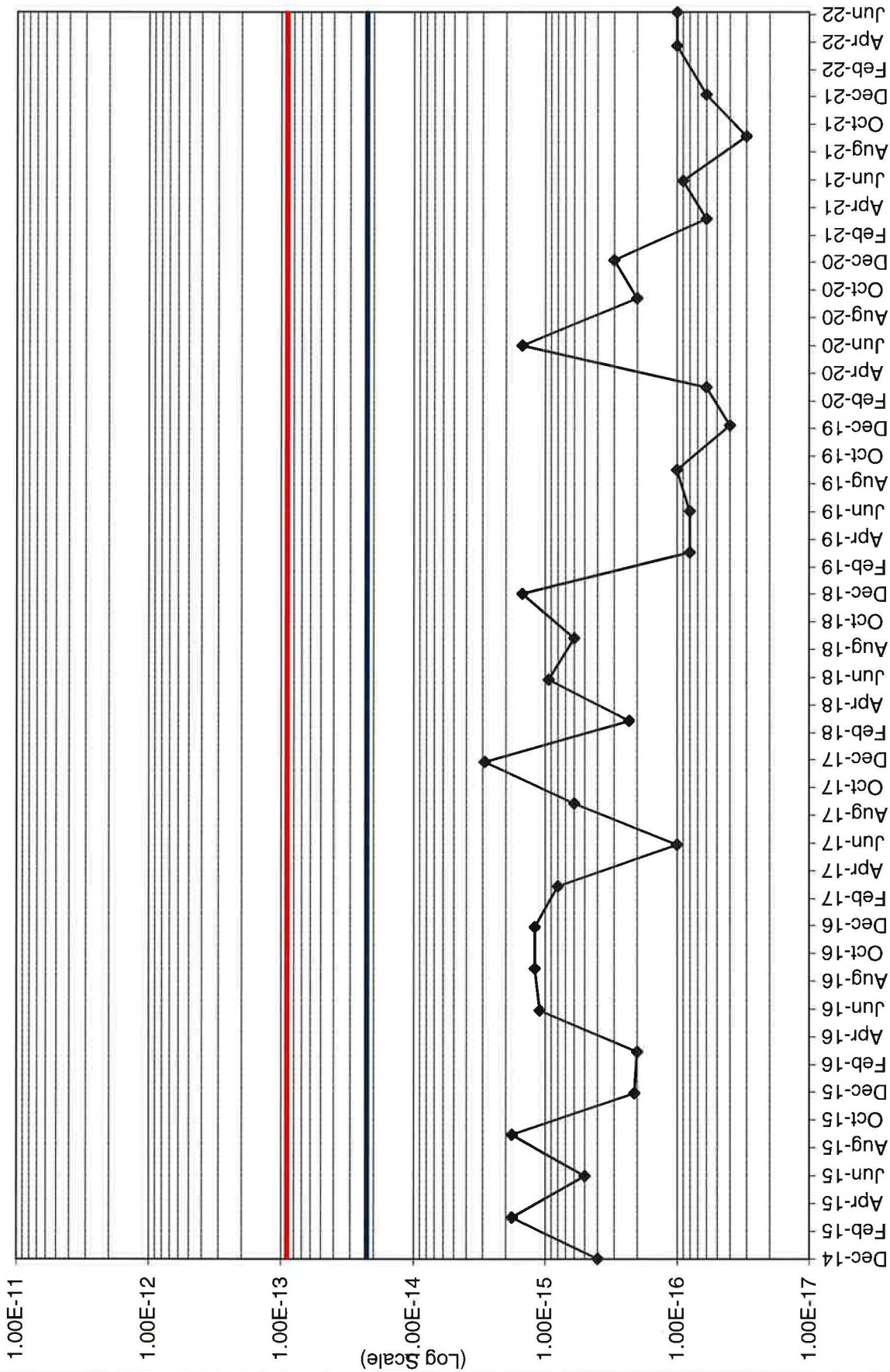
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-8U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-8T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-8R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-8PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-8T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		ALARA Goal =	1.5E-13 uCi/ml		ALARA Goal =	1E-15 uCi/ml	
	Pre 1994 MPC Limit =	5E-12 uCi/ml		Pre 1994 MPC Limit =	8E-14 uCi/ml		Pre 1994 MPC Limit =	2E-12 uCi/ml		Pre 1994 MPC Limit =	4E-12 uCi/ml		Pre 1994 MPC Limit =	Not Applicable	
	Pre 1994 ALARA GOAL =	1.25E-12 uCi/ml					Pre 1994 ALARA GOAL =	5E-13 uCi/ml		Pre 1994 ALARA GOAL =	1E-12 uCi/ml		Pre 1994 ALARA GOAL =	Not Applicable	
	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A	Conc	EFC	EFC A
12/29/2014	4.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	7.00E-17	9.00E-13	2.25E-13	9.90E-15	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
3/30/2015	1.80E-15	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	9.40E-15	6.00E-13	1.50E-13	1.00E-16	4.00E-15	1.00E-15
6/29/2015	5.00E-16	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	9.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
9/28/2015	1.80E-15	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	8.00E-15	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
12/28/2015	2.10E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	9.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
3/28/2016	2.00E-16	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.60E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/27/2016	1.10E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	1.90E-15	9.00E-13	2.25E-13	1.10E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
9/27/2016	1.20E-15	9.00E-14	2.25E-14	8.40E-17	2.00E-14	5.00E-15	3.30E-16	9.00E-13	2.25E-13	7.60E-15	6.00E-13	1.50E-13	4.70E-18	4.00E-15	1.00E-15
12/27/2016	1.20E-15	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	8.50E-17	9.00E-13	2.25E-13	1.40E-14	6.00E-13	1.50E-13	3.20E-18	4.00E-15	1.00E-15
3/27/2017	8.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	1.30E-15	9.00E-13	2.25E-13	8.70E-15	6.00E-13	1.50E-13	1.00E-18	4.00E-15	1.00E-15
6/26/2017	1.00E-16	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	4.00E-16	9.00E-13	2.25E-13	7.80E-15	6.00E-13	1.50E-13	5.00E-19	4.00E-15	1.00E-15
9/25/2017	6.00E-16	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.20E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
12/26/2017	2.90E-15	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.70E-14	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
3/26/2018	2.30E-16	9.00E-14	2.25E-14	5.80E-17	2.00E-14	5.00E-15	8.30E-17	9.00E-13	2.25E-13	1.30E-14	6.00E-13	1.50E-13	5.10E-18	4.00E-15	1.00E-15
6/25/2018	9.40E-16	9.00E-14	2.25E-14	1.20E-16	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	8.80E-15	6.00E-13	1.50E-13	8.50E-18	4.00E-15	1.00E-15
9/24/2018	6.00E-16	9.00E-14	2.25E-14	9.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	6.00E-18	4.00E-15	1.00E-15
12/31/2018	1.50E-15	9.00E-14	2.25E-14	7.00E-17	2.00E-14	5.00E-15	3.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
4/1/2019	8.00E-17	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
7/1/2019	8.00E-17	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	6.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
9/30/2019	1.00E-16	9.00E-14	2.25E-14	2.00E-16	2.00E-14	5.00E-15	1.10E-15	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	9.00E-18	4.00E-15	1.00E-15
1/6/2020	4.00E-17	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
3/30/2020	6.00E-17	9.00E-14	2.25E-14	2.00E-17	2.00E-14	5.00E-15	8.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	2.00E-18	4.00E-15	1.00E-15
6/30/2020	1.50E-15	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	8.00E-16	9.00E-13	2.25E-13	7.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
10/12/2020	2.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	5.00E-17	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
1/4/2021	3.00E-16	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	4.00E-17	9.00E-13	2.25E-13	2.10E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15
4/5/2021	6.00E-17	9.00E-14	2.25E-14	5.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	2.00E-15	6.00E-13	1.50E-13	7.00E-18	4.00E-15	1.00E-15
6/28/2021	9.00E-17	9.00E-14	2.25E-14	1.00E-16	2.00E-14	5.00E-15	5.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	1.00E-17	4.00E-15	1.00E-15
10/4/2021	3.00E-17	9.00E-14	2.25E-14	3.00E-17	2.00E-14	5.00E-15	6.00E-17	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
1/4/2022	6.00E-17	9.00E-14	2.25E-14	8.00E-17	2.00E-14	5.00E-15	2.00E-16	9.00E-13	2.25E-13	2.00E-14	6.00E-13	1.50E-13	5.00E-18	4.00E-15	1.00E-15
4/22/2022	1.00E-16	9.00E-14	2.25E-14	4.00E-17	2.00E-14	5.00E-15	1.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	3.00E-18	4.00E-15	1.00E-15
7/5/2022	1.00E-16	9.00E-14	2.25E-14	6.00E-17	2.00E-14	5.00E-15	3.00E-16	9.00E-13	2.25E-13	1.00E-14	6.00E-13	1.50E-13	4.00E-18	4.00E-15	1.00E-15

BHV-8 Radionuclide Concentrations (uCi/ml)



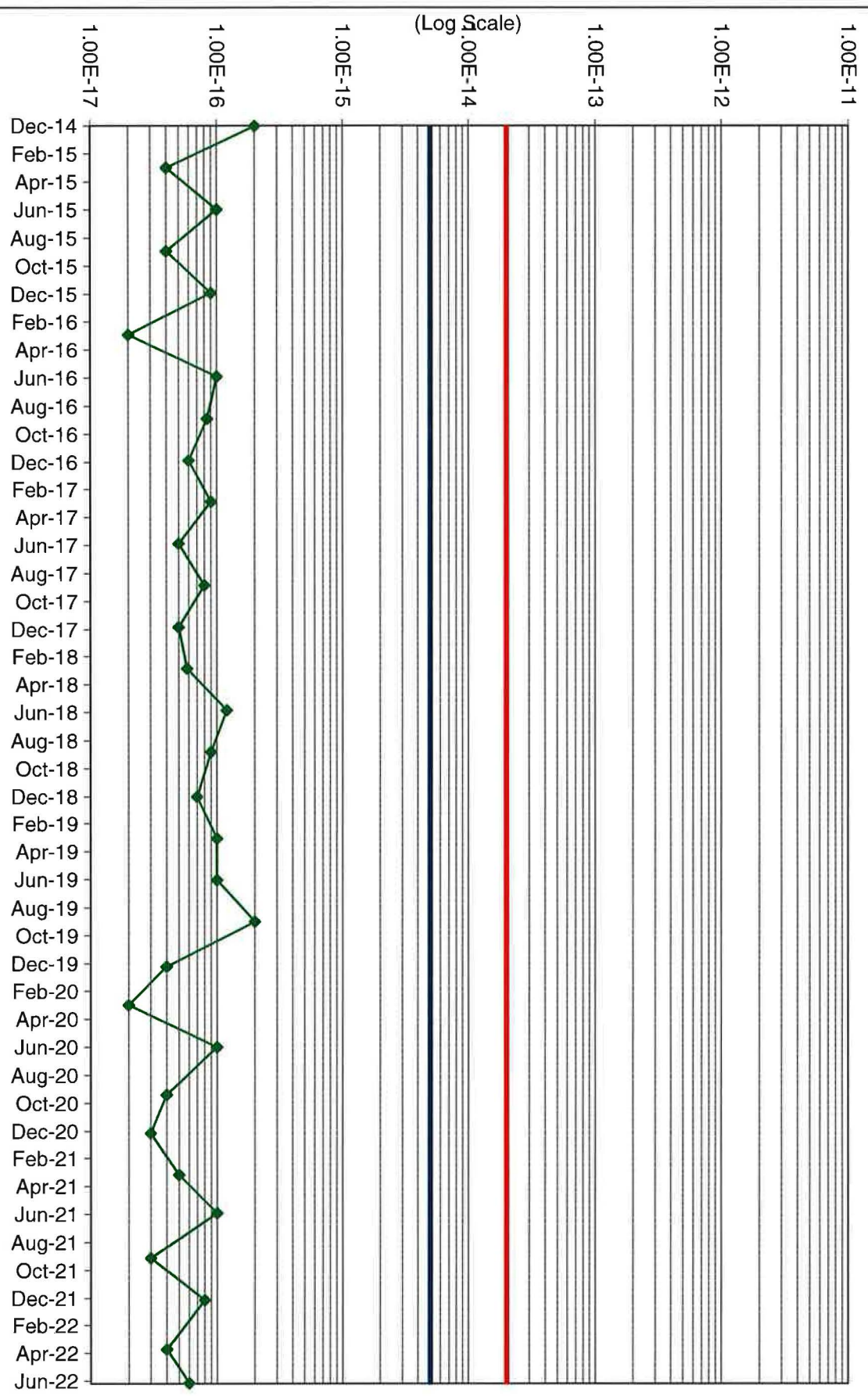
BHV-8 Uranium-Natural Concentrations (uCi/ml)

Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12 uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml



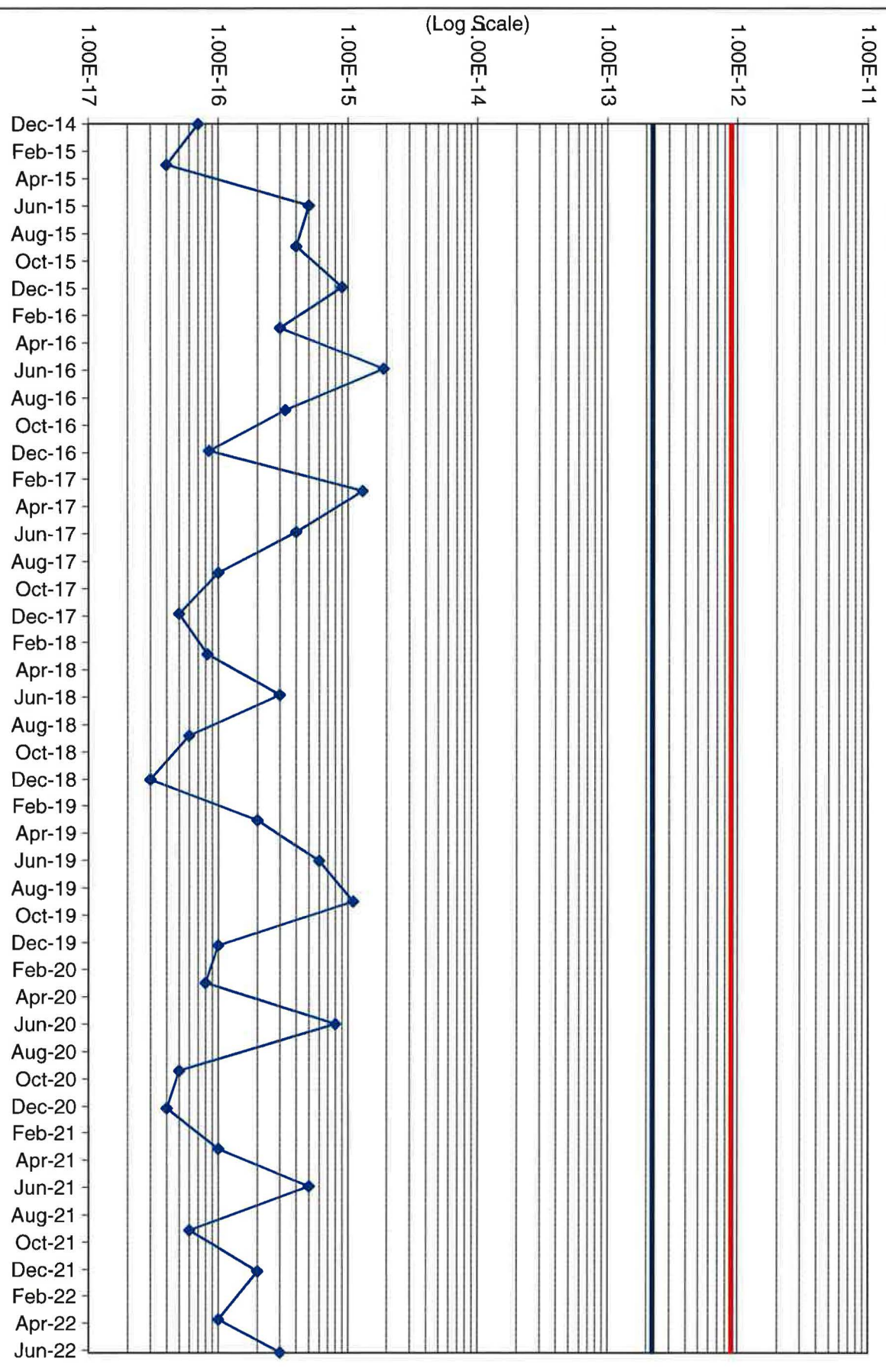
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

BHV-8 Thorium-230 Concentrations (uCi/ml)



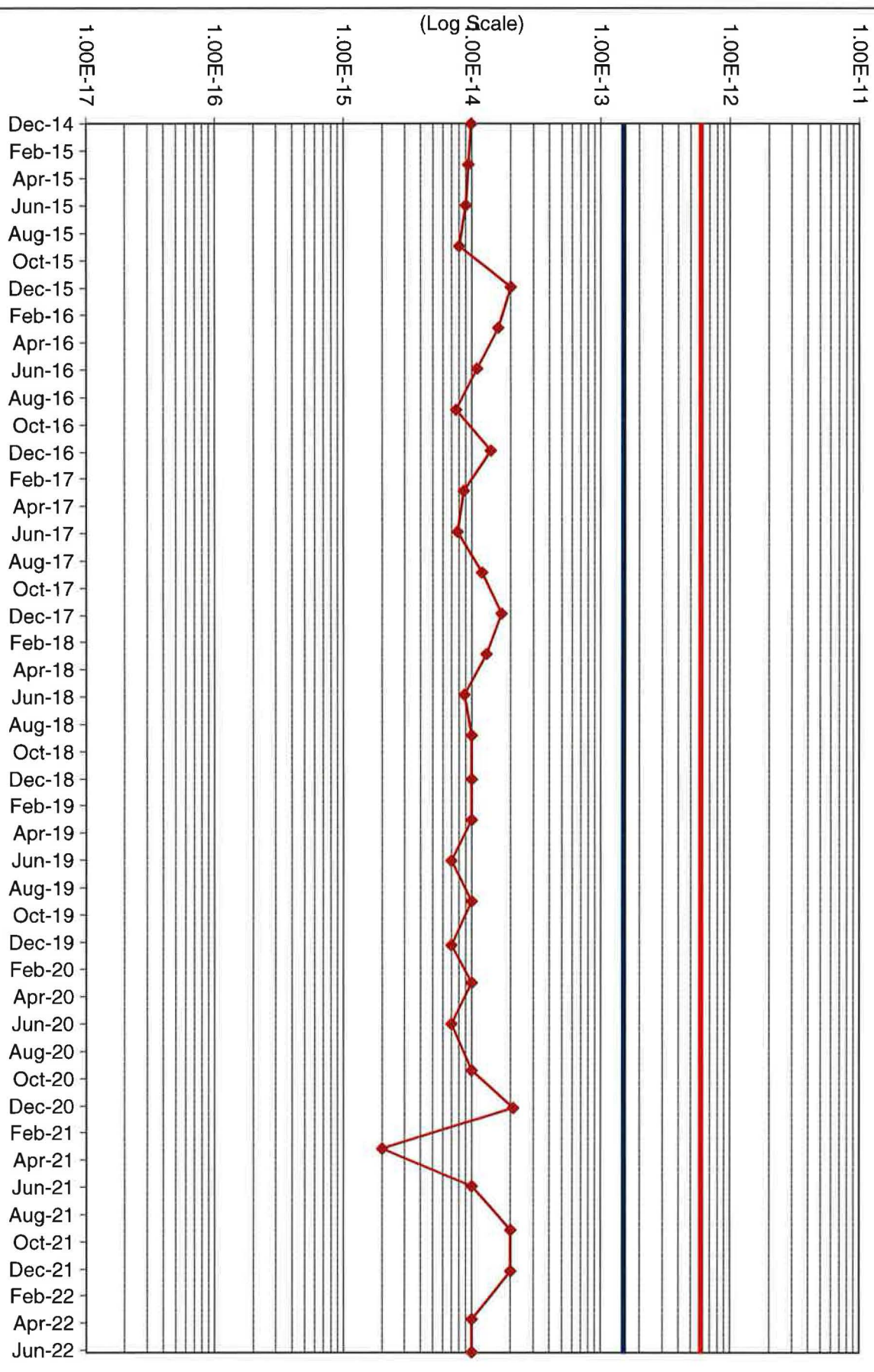
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

BHV-8 Radium-226 Concentrations (uCi/ml)



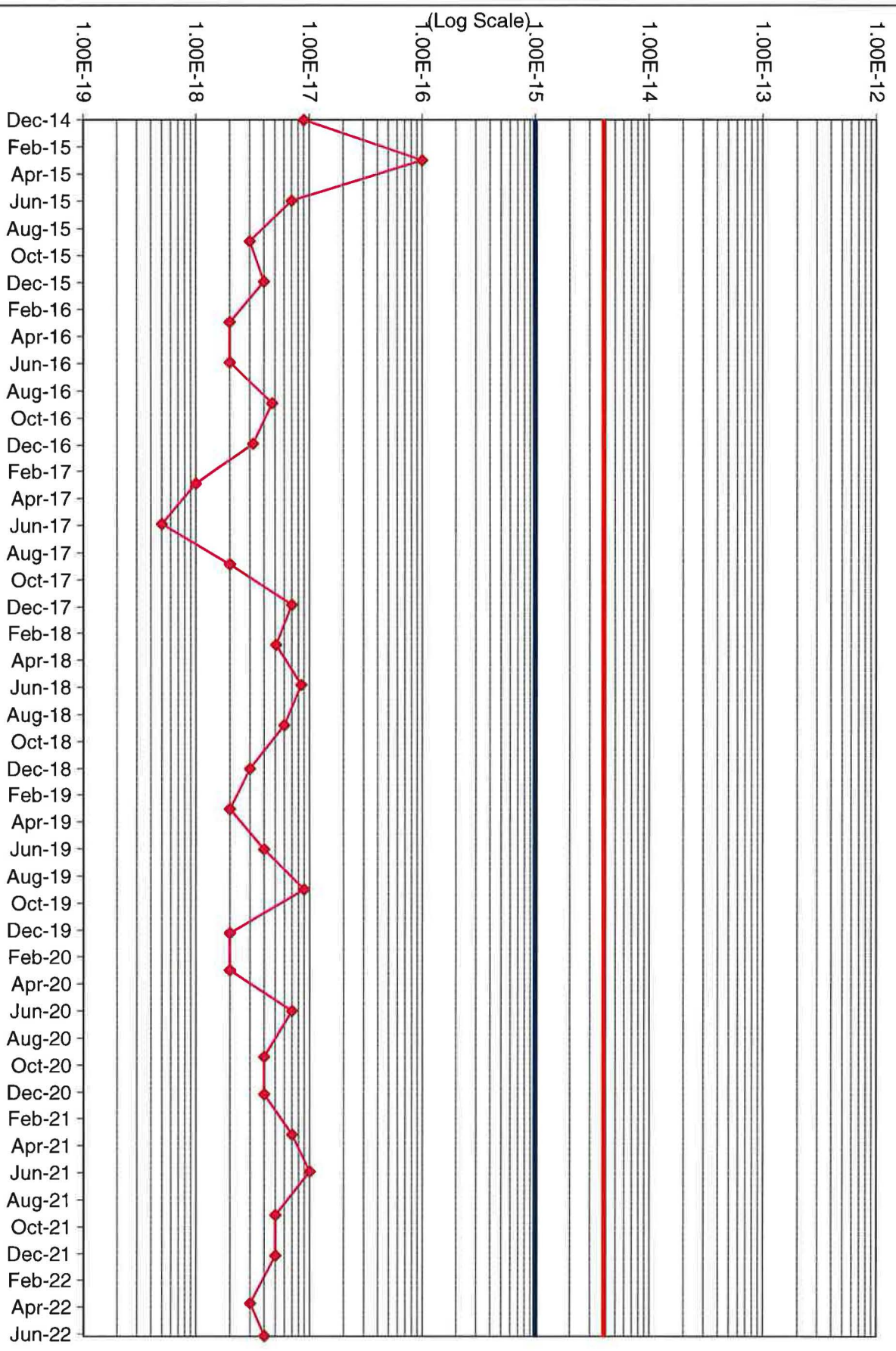
Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml

BHV-8 Lead-210 Concentrations (uCi/ml)



Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 uCi/ml

BHV-8 Thorium-232 Concentrations (uCi/ml)



ATTACHMENT C

BHV AIR SAMPLING LABORATORY RESULTS AND QA/QC

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-1

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D. ⁺ $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22040326-001 Quarterly Air Analysis 2021 Air Volume in mLs 1.11E+11	^{nat} U	< 2E-18	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	3E-17	6E-18	3E-18	1E-16	3E-14	1E-01
	²²⁶ Ra	5E-17	1E-17	5E-18	1E-16	9E-13	6E-03
	²¹⁰ Pb	1E-14	4E-15	4E-16	2E-15	6E-13	2E+00
	²³² Th	3E-18	2E-18	3E-18	N/A	6E-15	4E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-1

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D.* $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22070269-001 Quarterly Air Analysis 2022 Air Volume in mLs 1.21E+11	^{nat} U	2E-16	N/A	N/A	1E-16	9E-14	3E-01
	²³⁰ Th	3E-16	6E-17	3E-18	1E-16	3E-14	1E+00
	²²⁶ Ra	1.1E-15	2E-16	7E-18	1E-16	9E-13	1.2E-01
	²¹⁰ Pb	1E-14	4E-15	3E-16	2E-15	6E-13	2E+00
	²³² Th	1E-17	2E-18	2E-18	N/A	6E-15	2E-01

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-2

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-002 Quarterly Air Analysis 2021 Air Volume in mLs 1.22E+11	^{nat} U	< 2E-18	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	2E-17	4E-18	2E-18	1E-16	3E-14	8E-02
	²²⁶ Ra	3E-17	7E-18	5E-18	1E-16	9E-13	3E-03
	²¹⁰ Pb	1E-14	4E-15	3E-16	2E-15	6E-13	2E+00
	²³² Th	6E-18	2E-18	2E-18	N/A	6E-15	1E-01

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-2

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D.+ $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22070269-002 Quarterly Air Analysis 2022 Air Volume in mLs 1.21E+11	^{nat} U	9E-17	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	2E-17	4E-18	3E-18	1E-16	3E-14	7E-02
	²²⁶ Ra	8E-17	2E-17	7E-18	1E-16	9E-13	9E-03
	²¹⁰ Pb	1E-14	3E-15	2E-16	2E-15	6E-13	2E+00
	²³² Th	4E-18	2E-18	2E-18	N/A	6E-15	7E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-4

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D.* μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-003 Quarterly Air Analysis 2021 Air Volume in mLs 1.21E+11	^{nat} U	< 2E-18	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	1E-16	2E-17	3E-18	1E-16	3E-14	4E-01
	²²⁶ Ra	2E-16	5E-17	5E-18	1E-16	9E-13	3E-02
	²¹⁰ Pb	2E-14	5E-15	4E-16	2E-15	6E-13	3E+00
	²³² Th	3E-18	2E-18	2E-18	N/A	6E-15	5E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-4

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22070269-003	^{nat} U	8E-17	N/A	N/A	1E-16	9E-14	9E-02
Quarterly Air Analysis 2022 Air Volume in mLs 1.20E+11	²³⁰ Th	2E-17	3E-18	2E-18	1E-16	3E-14	6E-02
	²²⁶ Ra	4E-17	9E-18	6E-18	1E-16	9E-13	4E-03
	²¹⁰ Pb	1E-14	4E-15	3E-16	2E-15	6E-13	2E+00
	²³² Th	5E-18	2E-18	2E-18	N/A	6E-15	8E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-5

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-004 Quarterly Air Analysis 2021 Air Volume in mLs 1.21E+11	^{nat} U	2E-16	N/A	N/A	1E-16	9E-14	3E-01
	²³⁰ Th	1E-16	3E-17	4E-18	1E-16	3E-14	5E-01
	²²⁶ Ra	4E-16	8E-17	5E-18	1E-16	9E-13	5E-02
	²¹⁰ Pb	2E-14	5E-15	4E-16	2E-15	6E-13	3E+00
	²³² Th	4E-18	2E-18	2E-18	N/A	6E-15	6E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-5

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D. ⁺ $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22070269-004 Quarterly Air Analysis 2022 Air Volume in mLs 1.22E+11	^{nat} U	3E-16	N/A	N/A	1E-16	9E-14	3E-01
	²³⁰ Th	9E-16	2E-16	3E-18	1E-16	3E-14	3E+00
	²²⁶ Ra	1.2E-15	2E-16	7E-18	1E-16	9E-13	1.4E-01
	²¹⁰ Pb	1E-14	3E-15	2E-16	2E-15	6E-13	2E+00
	²³² Th	2E-17	3E-18	2E-18	N/A	6E-15	3E-01

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-6

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci}/\text{mL}$	Counting Precision $\mu\text{Ci}/\text{mL}$	MDC $\mu\text{Ci}/\text{mL}$	L.L.D. ⁺ $\mu\text{Ci}/\text{mL}$	Effluent Conc.* $\mu\text{Ci}/\text{mL}$	% Effluent Concentration
C22040326-005 Quarterly Air Analysis 2021 Air Volume in mLs 1.14E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	6E-17	1E-17	2E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	7E-17	1E-17	5E-18	1E-16	9E-13	8E-03
	²¹⁰ Pb	1E-14	4E-15	4E-16	2E-15	6E-13	2E+00
	²³² Th	5E-18	2E-18	2E-18	N/A	6E-15	8E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-6

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22070269-005 Quarterly Air Analysis 2022 Air Volume in mLs 1.21E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	7E-17	1E-17	3E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	8E-17	2E-17	6E-18	1E-16	9E-13	9E-03
	²¹⁰ Pb	8E-15	2E-15	2E-16	2E-15	6E-13	1E+00
	²³² Th	1E-17	2E-18	2E-18	N/A	6E-15	2E-01

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-7

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-006 Quarterly Air Analysis 2021 Air Volume in mLs 1.21E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	8E-17	1E-17	2E-18	1E-16	3E-14	3E-01
	²²⁶ Ra	1E-16	3E-17	5E-18	1E-16	9E-13	2E-02
	²¹⁰ Pb	2E-14	5E-15	4E-16	2E-15	6E-13	3E+00
	²³² Th	5E-18	2E-18	2E-18	N/A	6E-15	9E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-7

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D. ⁺ $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22070269-006	^{nat} U	5E-16	N/A	N/A	1E-16	9E-14	5E-01
Quarterly Air Analysis 2022 Air Volume in mLs 1.21E+11	²³⁰ Th	7E-16	1E-16	3E-18	1E-16	3E-14	2E+00
	²²⁶ Ra	1.8E-15	3E-16	7E-18	1E-16	9E-13	2.0E-01
	²¹⁰ Pb	1E-14	4E-15	2E-16	2E-15	6E-13	2E+00
	²³² Th	1E-17	3E-18	2E-18	N/A	6E-15	2E-01

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: BHV-8

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D.* μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-007 Quarterly Air Analysis 2021 Air Volume in mLs 1.21E+11	^{nat} U	< 2E-18	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	4E-17	7E-18	2E-18	1E-16	3E-14	1E-01
	²²⁶ Ra	1E-16	2E-17	5E-18	1E-16	9E-13	1E-02
	²¹⁰ Pb	1E-14	4E-15	4E-16	2E-15	6E-13	2E+00
	²³² Th	3E-18	1E-18	1E-18	N/A	6E-15	5E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: BHV-8

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration $\mu\text{Ci/mL}$	Counting Precision $\mu\text{Ci/mL}$	MDC $\mu\text{Ci/mL}$	L.L.D. ⁺ $\mu\text{Ci/mL}$	Effluent Conc.* $\mu\text{Ci/mL}$	% Effluent Concentration
C22070269-007	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
Quarterly Air Analysis 2022 Air Volume in mLs 1.21E+11	²³⁰ Th	6E-17	1E-17	2E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	3E-16	7E-17	7E-18	1E-16	9E-13	4E-02
	²¹⁰ Pb	1E-14	3E-15	2E-16	2E-15	6E-13	2E+00
	²³² Th	4E-18	2E-18	2E-18	N/A	6E-15	6E-02

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2022
SAMPLE ID: Blanks

REPORT DATE: April 27, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22040326-008 Quarterly Air Analysis 2021 Air Volume in mLs 1.00E+03	^{nat} U	< 2E-10	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	8.5E-10	2.8E-10	3.0E-10	1E-16	3E-14	2.8E+06
	²²⁶ Ra	1.1E-09	4.6E-10	5.3E-10	1E-16	9E-13	1.2E+05
	²¹⁰ Pb	2.7E-09	5.5E-09	9.0E-09	2E-15	6E-13	4.5E+05
	²³² Th	1.5E-11	1.0E-10	2.3E-10	N/A	6E-15	2.4E+05

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2022
SAMPLE ID: Blanks

REPORT DATE: August 9, 2022

Quarter/Date Sampled Air Volume	Radionuclide	Concentration μCi/mL	Counting Precision μCi/mL	MDC μCi/mL	L.L.D. ⁺ μCi/mL	Effluent Conc.* μCi/mL	% Effluent Concentration
C22070269-008 Quarterly Air Analysis 2022 Air Volume in mLs 1.00E+03	^{nat} U	< 2E-10	N/A	N/A	1E-16	9E-14	< 0E+00
	²³⁰ Th	9.4E-10	2.9E-10	2.8E-10	1E-16	3E-14	3.1E+06
	²²⁶ Ra	6.1E-10	4.9E-10	7.7E-10	1E-16	9E-13	6.7E+04
	²¹⁰ Pb	-8E-09	7.4E-09	1.3E-08	2E-15	6E-13	-1E+06
	²³² Th	4.2E-11	1.2E-10	2.4E-10	N/A	6E-15	7.0E+05

+LLD's are from NRC Reg. Guide 4.14

*Effluent Concentration from the NEW 10 CFR Part 20 - Appendix B - Table 2

Year for Natural Uranium

Year for Thorium-230, Thorium-232

Week for Radium-226

Day for Lead-210



ANALYTICAL SUMMARY REPORT

May 04, 2022

Energy Fuels Resources (USA) Inc
44 Union Blvd Ste 600
Lakewood, CO 80228-1826

Work Order: C22040326 Quote ID: C5470

Project Name: 1st Quarter Air 2022

Energy Laboratories, Inc. Casper WY received the following 8 samples for Energy Fuels Resources (USA) Inc on 4/8/2022 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C22040326-001	BHV-1	04/04/22 0:00	04/08/22	Filter	Composite of two or more samples Client Provided Field Parameters Metals, Total Digestion, Total Metals, Radiochemistry Radiochemistry Air Filter Compliance Calculations RAD-AIR, Routine Radiological Reports RAD Alternate Unit Reporting Air Filters Lead 210 Radium 226 Thorium, Isotopic
C22040326-002	BHV-2	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-003	BHV-4	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-004	BHV-5	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-005	BHV-6	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-006	BHV-7	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-007	BHV-8	04/04/22 0:00	04/08/22	Filter	Same As Above
C22040326-008	Blanks	04/04/22 0:00	04/08/22	Filter	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager .

Report Approved By:


Project Manager

Digitally signed by
Ashley L. Wilson
Date: 2022.05.04 15:41:15 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Work Order: C22040326

Report Date: 05/04/22

CASE NARRATIVE

Air filters were collected from 01/04/2022 to 04/04/2022.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-001
Client Sample ID: BHV-1

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	111188800	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/20/22 18:57 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/20/22 18:57 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.4E-14	uCi/mL				E909.0	04/16/22 02:44 / hat
Lead 210 precision (±)	4.3E-15	uCi/mL				E909.0	04/16/22 02:44 / hat
Lead 210 MDC	3.7E-16	uCi/mL				E909.0	04/16/22 02:44 / hat
Radium 226	5.1E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	1.1E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	5.2E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	3.3E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	6.3E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	3.2E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	2.6E-18	uCi/mL	U			A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.9E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	2.9E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1590	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	475	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	41.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	5.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	1.2	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.58	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	3.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	0.70	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.36	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.29	pCi/Filter	U			RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.21	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.32	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.4E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	6.0E-03	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	1.1E-01	%				RADCALC	04/21/22 12:05 / dmf

Report Definitions:
 RL - Analyte Reporting Limit
 QCL - Quality Control Limit
 U - Not detected at Minimum Detectable Concentration (MDC)

MCL - Maximum Contaminant Level
 ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-001
Client Sample ID: BHV-1

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	4.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	0.0E+00	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-002
Client Sample ID: BHV-2

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	122090600	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/20/22 19:00 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/20/22 19:00 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.3E-14	uCi/mL				E909.0	04/16/22 02:54 / hat
Lead 210 precision (±)	4.0E-15	uCi/mL				E909.0	04/16/22 02:54 / hat
Lead 210 MDC	3.5E-16	uCi/mL				E909.0	04/16/22 02:54 / hat
Radium 226	2.8E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	6.6E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.6E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	2.3E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	4.3E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	2.1E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	6.1E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	2.0E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	1.5E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1650	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	492	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	42.3	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	3.4	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	0.80	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.56	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	2.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	0.52	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.26	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.74	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.25	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.18	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.2E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	3.0E-03	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	8.0E-02	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-002
Client Sample ID: BHV-2

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	1.0E-01	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	0.0E+00	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-003
Client Sample ID: BHV-4

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	121415200	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/20/22 19:02 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/20/22 19:02 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.7E-14	uCi/mL				E909.0	04/16/22 03:04 / hat
Lead 210 precision (±)	5.2E-15	uCi/mL				E909.0	04/16/22 03:04 / hat
Lead 210 MDC	3.9E-16	uCi/mL				E909.0	04/16/22 03:04 / hat
Radium 226	2.4E-16	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	4.7E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.7E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	1.2E-16	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	2.3E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	3.2E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	3.1E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.6E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	2.2E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	2110	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	630	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	47.8	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	29.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	5.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.57	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	14.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	2.8	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.38	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.38	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.20	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.26	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.9E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	3.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	4.0E-01	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-003
Client Sample ID: BHV-4

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	5.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	0.0E+00	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-004
Client Sample ID: BHV-5

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	121157600	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	3.6E-10	mg/L		1.5E-10		SW6020	04/20/22 19:04 / jcg
Uranium, Activity	2.4E-16	uCi/mL		1.0E-16		SW6020	04/20/22 19:04 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.6E-14	uCi/mL				E909.0	04/16/22 03:12 / hat
Lead 210 precision (±)	4.8E-15	uCi/mL				E909.0	04/16/22 03:12 / hat
Lead 210 MDC	3.8E-16	uCi/mL				E909.0	04/16/22 03:12 / hat
Radium 226	4.1E-16	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	7.8E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.6E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	1.5E-16	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	2.8E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	3.6E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	3.9E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.7E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	2.0E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1930	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	577	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	45.8	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	49.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	9.4	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.56	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	17.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	3.3	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.44	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.47	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.21	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.24	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	29.3	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.7E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	5.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	4.9E-01	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-004
Client Sample ID: BHV-5

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	6.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	2.7E-01	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-005
Client Sample ID: BHV-6

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	113917500	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/20/22 19:12 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/20/22 19:12 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.5E-14	uCi/mL				E909.0	04/16/22 03:29 / hat
Lead 210 precision (±)	4.4E-15	uCi/mL				E909.0	04/16/22 03:29 / hat
Lead 210 MDC	3.8E-16	uCi/mL				E909.0	04/16/22 03:29 / hat
Radium 226	6.9E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	1.4E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.7E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	5.8E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	1.1E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	1.8E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	4.9E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.7E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	1.5E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1680	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	501	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	42.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	7.8	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	1.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.53	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	6.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	1.3	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.21	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.56	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.20	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.17	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	10.9	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.5E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	8.0E-03	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	1.9E-01	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-005
Client Sample ID: BHV-6

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	8.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	1.1E-01	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-006
Client Sample ID: BHV-7

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	120520100	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	1.5E-10	mg/L		1.5E-10		SW6020	04/20/22 19:14 / jcg
Uranium, Activity	1.0E-16	uCi/mL		1.0E-16		SW6020	04/20/22 19:14 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.5E-14	uCi/mL				E909.0	04/16/22 03:39 / hat
Lead 210 precision (±)	4.5E-15	uCi/mL				E909.0	04/16/22 03:39 / hat
Lead 210 MDC	3.7E-16	uCi/mL				E909.0	04/16/22 03:39 / hat
Radium 226	1.4E-16	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	2.7E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.7E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	7.6E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	1.4E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	2.2E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	5.4E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.9E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	1.7E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1820	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	544	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	44.5	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	16.9	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	3.3	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.57	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	9.2	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	1.7	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.27	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.65	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.23	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.21	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	12.2	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.5E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	2.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	2.5E-01	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-006
Client Sample ID: BHV-7

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	9.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	1.1E-01	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-007
Client Sample ID: BHV-8

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	120520500	L				FIELD	01/04/22 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/20/22 19:16 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/20/22 19:16 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.4E-14	uCi/mL				E909.0	04/16/22 03:48 / hat
Lead 210 precision (±)	4.3E-15	uCi/mL				E909.0	04/16/22 03:48 / hat
Lead 210 MDC	3.6E-16	uCi/mL				E909.0	04/16/22 03:48 / hat
Radium 226	1.1E-16	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	2.2E-17	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	4.9E-18	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	3.7E-17	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	7.0E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	2.3E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	3.0E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.4E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	1.3E-18	uCi/mL				A7500-U C	04/18/22 13:51 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1750	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	522	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	43.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	13.1	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	2.6	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.59	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	4.5	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	0.85	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.27	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.36	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.16	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.16	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.4E+00	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	1.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	1.2E-01	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-007
Client Sample ID: BHV-8

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	5.0E-02	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	0.0E+00	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-008
Client Sample ID: Blanks

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
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CLIENT PROVIDED FIELD PARAMETERS

Air Filtering Volume	1	L				FIELD	01/04/22 00:00 / ***
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*** Performed by Sampler

METALS, IN AIR

Uranium	ND	mg/L	L	0.013		SW6020	04/20/22 19:18 / jcg
Uranium, Activity	ND	uCi/mL	L	8.8E-09		SW6020	04/20/22 19:18 / jcg

RADIONUCLIDES - IN AIR

Lead 210	2.7E-09	uCi/mL	U			E909.0	04/16/22 03:57 / hat
Lead 210 precision (±)	5.5E-09	uCi/mL				E909.0	04/16/22 03:57 / hat
Lead 210 MDC	9.0E-09	uCi/mL				E909.0	04/16/22 03:57 / hat
Radium 226	1.1E-09	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 precision (±)	4.6E-10	uCi/mL				E903.0	04/19/22 14:13 / kdk
Radium 226 MDC	5.3E-10	uCi/mL				E903.0	04/19/22 14:13 / kdk
Thorium 230	8.5E-10	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 precision (±)	2.8E-10	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 230 MDC	3.0E-10	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232	1.5E-11	uCi/mL	U			A7500-U C	04/18/22 13:51 / sec
Thorium 232 precision (±)	1.0E-10	uCi/mL				A7500-U C	04/18/22 13:51 / sec
Thorium 232 MDC	2.3E-10	uCi/mL				A7500-U C	04/18/22 13:51 / sec

RADIONUCLIDES - IN AIR - PER FILTER

Lead 210	2.7	pCi/Filter	U			RADCALC	04/21/22 12:01 / dmf
Lead 210 precision (±)	5.5	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Lead 210 MDC	9.0	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226	1.1	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 precision (±)	0.46	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Radium 226 MDC	0.53	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230	0.85	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 precision (±)	0.28	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 230 MDC	0.30	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232	0.015	pCi/Filter	U			RADCALC	04/21/22 12:01 / dmf
Thorium 232 precision (±)	0.10	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Thorium 232 MDC	0.23	pCi/Filter				RADCALC	04/21/22 12:01 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	04/21/22 12:01 / dmf

RADIOCHEMISTRY AIR FILTER COMPLIANCE

Lead 210, % of EFF	4.5E+05	%				RADCALC	04/21/22 12:05 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, % of EFF	1.2E+05	%				RADCALC	04/21/22 12:05 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, % of EFF	2.8E+06	%				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
L - Lowest available reporting limit for the analytical method used

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
U - Not detected at Minimum Detectable Concentration (MDC)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2022
Lab ID: C22040326-008
Client Sample ID: Blanks

Report Date: 05/04/22
Collection Date: 04/04/22
Date Received: 04/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, % of EFF	2.4E+05	%				RADCALC	04/21/22 12:05 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, % of EFF	0.0E+00	%				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	04/21/22 12:05 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	04/21/22 12:05 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22040326

Report Date: 04/21/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW6020										Analytical Run: ICPMS5-C_220420A	
Lab ID: QCS		Initial Calibration Verification Standard								04/20/22 15:06	
Uranium		0.0188	mg/L	0.00030	94	90	110				
Lab ID: ICSA		Interference Check Sample A								04/20/22 15:21	
Uranium		8.37E-06	mg/L	0.00030							
Lab ID: ICSAB		Interference Check Sample AB								04/20/22 15:23	
Uranium		1.37E-06	mg/L	0.00030							
Method: SW6020										Batch: 66457	
Lab ID: MB-66457		Method Blank								Run: ICPMS5-C_220420A	04/20/22 18:47
Uranium		ND	mg/L								
Lab ID: LCS-66457		Laboratory Control Sample								Run: ICPMS5-C_220420A	04/21/22 00:03
Uranium		0.0525	mg/L	0.013	105	85	115				
Lab ID: C22040276-001ADIL		Serial Dilution								Run: ICPMS5-C_220420A	04/20/22 18:53
Uranium		ND	mg/L	1.3E-09		0	0			20	
Lab ID: C22040276-001APDS		Post Digestion/Distillation Spike								Run: ICPMS5-C_220420A	04/20/22 18:55
Uranium		1.12E-09	mg/L	2.7E-10	107	75	125				

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22040326

Report Date: 04/22/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A7500-U C										Batch: 66457
Lab ID: MB-66457	6	Method Blank								
		Run: EGG-ORTEC_ALL_220413B 04/18/22 13:51								
Thorium 230	1		pCi/L							
Thorium 230 precision (±)		0.3	pCi/L							
Thorium 230 MDC		0.3	pCi/L							
Thorium 232		0.09	pCi/L							U
Thorium 232 precision (±)		0.1	pCi/L							
Thorium 232 MDC		0.2	pCi/L							
Lab ID: LCS-66457	3	Laboratory Control Sample								
		Run: EGG-ORTEC_ALL_220413B 04/18/22 13:51								
Thorium 230		255	pCi/L	102		70	130			
Thorium 230 precision (±)		48.4	pCi/L							
Thorium 230 MDC		0.628	pCi/L							
Lab ID: C22040326-003ADUP	6	Sample Duplicate								
		Run: EGG-ORTEC_ALL_220413B 04/18/22 13:51								
Thorium 230		1.19E-07	pCi/L					1.1	20	
Thorium 230 precision (±)		2.27E-08	pCi/L							
Thorium 230 MDC		2.81E-09	pCi/L							
Thorium 232		4.43E-09	pCi/L					34	20	R
Thorium 232 precision (±)		2.05E-09	pCi/L							
Thorium 232 MDC		2.59E-09	pCi/L							

- Duplicate RPD is outside of the acceptance range for Th-232. However, the RER is less than or equal to the limit of 2, the RER result is 0.50.
- The RER result for Th-230 is 0.02.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22040326

Report Date: 04/22/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0 Batch: 66457										
Lab ID: LCS-66457	3	Laboratory Control Sample								04/19/22 14:13
Radium 226		53.4	pCi/L	104		70	130			
Radium 226 precision (±)		10.1	pCi/L							
Radium 226 MDC		0.563	pCi/L							
Lab ID: MB-66457	3	Method Blank								04/19/22 14:13
Radium 226		0.7	pCi/L							U
Radium 226 precision (±)		0.4	pCi/L							
Radium 226 MDC		0.7	pCi/L							
Lab ID: C22040276-001ADUP	3	Sample Duplicate								04/19/22 14:13
Radium 226		1.35E-08	pCi/L					35	20	R
Radium 226 precision (±)		6.42E-09	pCi/L							
Radium 226 MDC		9.89E-09	pCi/L							

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 2, the RER result is 0.55.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22040326

Report Date: 04/22/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0										Batch: 66457
Lab ID: LCS-66457	3	Laboratory Control Sample								Run: PACKARD 3100TR_220413A 04/15/22 18:35
Lead 210		166	pCi/L		98	60	130			
Lead 210 precision (±)		50.7	pCi/L							
Lead 210 MDC		15.8	pCi/L							
Lab ID: MB-66457	3	Method Blank								Run: PACKARD 3100TR_220413A 04/15/22 19:42
Lead 210		1	pCi/L							U
Lead 210 precision (±)		3	pCi/L							
Lead 210 MDC		5	pCi/L							
Lab ID: C22040326-004ADUP	3	Sample Duplicate								Run: PACKARD 3100TR_220413A 04/16/22 03:21
Lead 210		0.0000174	pCi/L					8.8	20	
Lead 210 precision (±)		5.20E-06	pCi/L							
Lead 210 MDC		3.96E-07	pCi/L							
- The RER result is 0.19.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



Work Order Receipt Checklist

Energy Fuels Resources (USA) Inc

C22040326

Login completed by: Kirsten L. Smith

Date Received: 4/8/2022

Reviewed by: Misty Stephens

Received by: cml

Reviewed Date: 4/12/2022

Carrier name: UPS

- Shipping container/cooler in good condition? Yes [checked] No [] Not Present []
Custody seals intact on all shipping container(s)/cooler(s)? Yes [checked] No [] Not Present []
Custody seals intact on all sample bottles? Yes [] No [] Not Present [checked]
Chain of custody present? Yes [checked] No []
Chain of custody signed when relinquished and received? Yes [checked] No []
Chain of custody agrees with sample labels? Yes [checked] No []
Samples in proper container/bottle? Yes [checked] No []
Sample containers intact? Yes [checked] No []
Sufficient sample volume for indicated test? Yes [checked] No []
All samples received within holding time? Yes [checked] No []
Temp Blank received in all shipping container(s)/cooler(s)? Yes [] No [checked] Not Applicable []
Container/Temp Blank temperature: 17.3°C No Ice
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). Yes [] No [] No VOA vials submitted [checked]
Water - pH acceptable upon receipt? Yes [] No [] Not Applicable [checked]

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

C20040326



CHAIN OF CUSTODY

Samples Shipped to: Energy Laboratories **Contact:** Tanner Holliday
2393 Salt Creek Hwy. Ph: 435 678 2221
Casper WY, 82601 tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
1st Quarter Air 2022	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
BHV-1	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-2	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-4	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-5	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-6	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-7	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-8	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
Blanks	1/4/2022 - 4/4/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com			

Relinquished By:(Signature) <i>Tanner Holliday</i> Tanner Holliday	Date/Time 4/6/2022 1100	Received By:(Signature) <i>Carrie</i>	Date/Time 4-6-22 11:33
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

BHV-1		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2015 Updated: 7/30/14				
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008495	1/4/2022	1/10/2022	9091.38	9233.77	8543.4	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8035.4	4.5663	4.6116	45.3	0.0056	84.8
2	A0008487	1/10/2022	1/17/2022	9233.77	9401.91	10088.4	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9517.5	4.5675	4.6198	52.3	0.0055	100.1
3	A0008479	1/17/2022	1/24/2022	9401.91	9570.39	10108.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9524.0	4.5876	4.6560	68.4	0.0072	100.3
4	A0008471	1/24/2022	1/31/2022	9570.39	9742.67	10336.8	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9460.4	4.6002	4.6711	70.9	0.0075	102.5
5	A0008458	1/31/2022	2/7/2022	9742.67	9906.56	9833.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9319.3	4.5833	4.6789	95.6	0.0103	97.6
6	A0008455	2/7/2022	2/14/2022	9906.56	10074.22	10059.6	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9447.3	4.6209	4.7183	97.4	0.0103	99.8
7	A0008447	2/14/2022	2/21/2022	10074.22	10240.91	10001.4	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9360.9	4.6096	4.7357	126.1	0.0135	99.2
8	A0008439	2/21/2022	2/28/2022	10240.91	10411.8	10253.4	4.5	4.0	4.3	-1.6	271.5	618.19	1.09	0.97	34.38	9982.3	4.6053	4.7898	184.5	0.0185	101.7
9	A0008431	2/28/2022	3/7/2022	10411.8	10411.8	0.0	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	0.0	4.6270	4.6399	12.9	N/A	0.0
10	A0008423	3/7/2022	3/14/2022	10411.8	10577.56	9945.6	3.0	4.0	3.5	0.6	273.7	618.44	0.99	0.88	31.07	8750.9	4.5902	4.6306	40.4	0.0046	98.7
11	A0008415	3/14/2022	3/23/2022	10577.56	10795.25	13061.4	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11782.1	4.5944	4.7295	135.1	0.0115	129.6
12	A0008407	3/23/2022	3/28/2022	10795.25	10913.44	7091.4	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6549.9	4.6170	4.7346	117.6	0.0180	70.4
13	A0006399	3/28/2022	4/4/2022	10913.44	11084.11	10240.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9458.6	4.6512	4.7765	125.3	0.0132	101.6
Totals						119563.8							13.75	12.10	427.34	111188.8	59.821	60.992	1171.8	0.1256	
Averages						9197.2	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.87	8553.0	4.602	4.692	90.1	0.0105	91.2
<p>Comments: 3/7/2022 Power was found off, wasn't plugged in from the previous week.</p> <p>Insert weekly flow check values in yellow columns.</p> <p>Blue column values are calculated.</p> <p>Green columns are calculated averages from the met station.</p> <p>Insert filter weight values into orange columns.</p>																					

BHV-2			Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779			First Monitoring Quarter 2014 Updated: 7/30/14							
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qs Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008494	1/4/2022	1/10/2022	3718	3860.4	8544.0	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8036.0	4.5691	4.6403	71.2	0.0089	84.8	
2	A0008486	1/10/2022	1/17/2022	3860.4	4028.53	10087.8	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9516.9	4.5630	4.6508	87.8	0.0092	100.1	
3	A0008478	1/17/2022	1/24/2022	4028.53	4196.99	10107.6	4.5	4.0	4.3	0.6	273.7	620.19	1.09	0.97	34.30	9816.7	4.5879	4.7692	181.3	0.0185	100.3	
4	A0008470	1/24/2022	1/31/2022	4196.99	4368.26	10276.2	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9714.2	4.6144	4.7952	180.8	0.0186	101.9	
5	A0008459	1/31/2022	2/7/2022	4368.29	4533.18	9893.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9376.2	4.5969	4.6705	73.6	0.0078	98.1	
6	A0008454	2/7/2022	2/14/2022	4533.18	4700.86	10060.8	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9448.5	4.6041	4.7274	123.3	0.0130	99.8	
7	A0008446	2/14/2022	2/21/2022	4700.86	4867.52	9999.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9359.2	4.6213	4.8998	278.5	0.0298	99.2	
8	A0008438	2/21/2022	2/28/2022	4867.52	5038.77	10275.0	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9395.0	4.6099	4.8164	206.5	0.0220	101.9	
9	A0008430	2/28/2022	3/7/2022	5038.77	5204.95	9970.8	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9311.0	4.5854	4.7608	175.4	0.0188	98.9	
10	A0008422	3/7/2022	3/14/2022	5204.95	5370.11	9909.6	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9322.8	4.6155	4.6899	74.4	0.0080	98.3	
11	A0008414	3/14/2022	3/23/2022	5370.11	5587.96	13071.0	4.5	4.0	4.3	6.1	279.3	618.79	1.11	0.96	33.92	12554.3	4.5942	4.7596	165.4	0.0132	129.7	
12	A0008406	3/23/2022	3/28/2022	5587.96	5706.08	7087.2	4.5	4.0	4.3	11.5	284.7	619.84	1.12	0.95	33.62	6748.0	4.5999	4.7264	126.5	0.0187	70.3	
13	A0006398	3/28/2022	4/4/2022	5706.08	5877.35	10276.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9491.8	4.6133	4.8783	265.0	0.0279	101.9	
						Totals	129559.2						13.92	12.25	432.56	122090.6	59.775	61.785	2009.7	0.2145		
						Averages	9966.1	4.1	4.0	4.0	2.9	276.1	619.71562	1.07	0.94	33.27	9391.6	4.598	4.753	154.6	0.0165	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-4		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779						First Monitoring Quarter 2014 Updated: 7/30/14				
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008493	1/4/2022	1/10/2022	38206.12	38348.63	8550.6	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8042.2	4.5705	4.6205	50.0	0.0062	84.8
2	A0008485	1/10/2022	1/17/2022	38348.63	38516.69	10083.6	4.5	4.0	4.3	1.4	274.6	623.77	1.09	0.97	34.34	9806.5	4.5825	4.6345	52.0	0.0053	100.0
3	A0008477	1/17/2022	1/24/2022	38516.69	38685.27	10114.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9529.7	4.5993	4.6642	64.9	0.0068	100.3
4	A0008469	1/24/2022	1/31/2022	38685.27	38856.68	10284.6	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9722.1	4.6083	4.6869	78.6	0.0081	102.0
5	A0008460	1/31/2022	2/7/2022	38856.68	39021.06	9862.8	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9347.2	4.6236	4.7135	89.9	0.0096	97.8
6	A0008453	2/7/2022	2/14/2022	39021.06	39188.87	10068.6	4.5	4.0	4.3	3.7	276.9	623.37	1.10	0.97	34.19	9747.5	4.6230	4.7403	117.3	0.0120	99.9
7	A0008445	2/14/2022	2/21/2022	39188.87	39355.73	10011.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9370.5	4.5868	4.7232	136.4	0.0146	99.3
8	A0008437	2/21/2022	2/28/2022	39355.73	39526.1	10222.2	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9346.7	4.6007	4.7975	196.8	0.0211	101.4
9	A0008429	2/28/2022	3/7/2022	39526.1	39693.08	10018.8	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9355.8	4.6020	4.7340	132.0	0.0141	99.4
10	A0008421	3/7/2022	3/14/2022	39693.08	39858.77	9941.4	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.8	4.6199	4.6731	53.2	0.0057	98.6
11	A0008413	3/14/2022	3/23/2022	39858.77	40076.65	13072.8	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11792.4	4.5927	4.7077	115.0	0.0098	129.7
12	A0008405	3/23/2022	3/28/2022	40076.65	40194.63	7078.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6538.3	4.6166	4.7177	101.1	0.0155	70.2
13	A0006397	3/28/2022	4/4/2022	40194.63	40365.39	10245.6	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9463.6	4.6283	4.7477	119.4	0.0126	101.6
Totals						129556.2							13.85	12.19	430.51	121415.2	59.854	61.161	1306.6	0.1413	
Averages						9965.9	4.0	4.0	4.0	2.9	276.1	619.71562	1.07	0.94	33.12	9339.6	4.604	4.705	100.5	0.0109	98.9
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-5			Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022								Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779						First Monitoring Quarter 2014 Updated: 7/30/14				
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008492	1/4/2022	1/10/2022	31439.25	31581.76	8550.6	3.5	4.0	3.8	1.5	274.7	620.22	1.03	0.91	32.16	7786.2	4.5784	4.6285	50.1	0.0064	84.8
2	A0008484	1/10/2022	1/17/2022	31581.76	31749.84	10084.8	3.5	4.0	3.8	1.4	274.6	623.77	1.03	0.91	32.26	9211.2	4.5680	4.6211	53.1	0.0058	100.0
3	A0008476	1/17/2022	1/24/2022	31749.84	31918.42	10114.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9529.7	4.5641	4.6314	67.3	0.0071	100.3
4	A0008468	1/24/2022	1/31/2022	31918.42	32089.74	10279.2	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9717.0	4.6174	4.7056	88.2	0.0091	102.0
5	A0008461	1/31/2022	2/7/2022	32089.74	32254.13	9863.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9347.8	4.6000	4.7144	114.4	0.0122	97.9
6	A0008452	2/7/2022	2/14/2022	32254.13	32421.98	10071.0	4.5	4.0	4.3	3.7	276.9	623.37	1.10	0.97	34.19	9749.9	4.6034	4.7020	98.6	0.0101	99.9
7	A0008444	2/14/2022	2/21/2022	32421.98	32588.86	10012.8	4.5	4.0	4.3	3.1	276.2	617.65	1.10	0.96	34.07	9660.7	4.6147	4.7470	132.3	0.0137	99.3
8	A0008436	2/21/2022	2/28/2022	32588.86	32759.1	10214.4	4.0	4.0	4.0	-1.6	271.5	618.19	1.06	0.94	33.35	9646.7	4.6177	4.8681	250.4	0.0260	101.3
9	A0008428	2/28/2022	3/7/2022	32759.1	32926.19	10025.4	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9361.9	4.6095	4.7553	145.8	0.0156	99.5
10	A0008420	3/7/2022	3/14/2022	32926.19	33091.87	9940.8	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.2	4.6246	4.6770	52.4	0.0056	98.6
11	A0008412	3/14/2022	3/23/2022	33091.87	33309.77	13074.0	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11793.5	4.6058	4.7543	148.5	0.0126	129.7
12	A0008404	3/23/2022	3/28/2022	33309.77	33427.7	7075.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6535.5	4.6075	4.7292	121.7	0.0186	70.2
13	A0006396	3/28/2022	4/4/2022	33427.7	33598.49	10247.4	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9465.2	4.6391	4.7795	140.4	0.0148	101.7
Totals						129554.4							13.81	12.16	429.45	121157.6	59.850	61.313	1463.2	0.1576	
Averages						9965.7	4.0	4.0	4.0	2.9	276.1	619.71562	1.06	0.94	33.03	9319.8	4.604	4.716	112.6	0.0121	98.9
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-6		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008491	1/4/2022	1/10/2022	4896.68	5039.1	8545.2	3.5	4.0	3.8	1.5	274.7	620.22	1.03	0.91	32.16	7781.3	4.5547	4.6091	54.4	0.0070	84.8
2	A0008483	1/10/2022	1/17/2022	5039.1	5207.23	10087.8	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9516.9	4.5682	4.6347	66.5	0.0070	100.1
3	A0008475	1/17/2022	1/24/2022	5207.23	5375.79	10113.6	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9528.6	4.6247	4.6962	71.5	0.0075	100.3
4	A0008467	1/24/2022	1/31/2022	5375.79	5547.34	10293.0	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9730.1	4.6010	4.7559	154.9	0.0159	102.1
5	A0008462	1/31/2022	2/7/2022	5547.34	5711.6	9855.6	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9340.4	4.6087	4.7083	99.6	0.0107	97.8
6	A0008451	2/7/2022	2/14/2022	5711.6	5879.41	10068.6	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9455.8	4.6390	4.7293	90.3	0.0095	99.9
7	A0008443	2/14/2022	2/21/2022	5879.41	6046.22	10008.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9367.6	4.5908	4.7315	140.7	0.0150	99.3
8	A0008435	2/21/2022	2/28/2022	6046.22	6095.45	2953.8	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	2700.8	4.5859	4.7859	200.0	0.0741	29.3
9	A0008427	2/28/2022	3/7/2022	6095.45	6262.31	10011.6	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9349.1	4.6346	4.7501	115.5	0.0124	99.3
10	A0008419	3/7/2022	3/14/2022	6262.31	6427.99	9940.8	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.2	4.6179	4.6698	51.9	0.0055	98.6
11	A0008411	3/14/2022	3/23/2022	6427.99	6645.85	13071.6	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11791.3	4.5861	4.7432	157.1	0.0133	129.7
12	A0008403	3/23/2022	3/28/2022	6645.85	6763.96	7086.6	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6545.5	4.6205	4.6795	59.0	0.0090	70.3
13	A0006395	3/28/2022	4/4/2022	6763.96	6934.62	10239.6	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9458.0	4.6405	4.7694	128.9	0.0136	101.6
Totals						122276.4							13.75	12.10	427.40	113917.5	59.873	61.263	1390.3	0.2006	
Averages						9405.9	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	8762.9	4.606	4.713	106.9	0.0154	93.3
Comments: 2/28/2022 power was found off. GFCI was found tripped, reset and power was restored.																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-7		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14						
		Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)
1	A0008490	1/4/2022	1/10/2022	6073.17	6215.68	8550.6	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8042.2	4.5784	4.6403	61.9	0.0077	84.8	
2	A0008482	1/10/2022	1/17/2022	6215.68	6383.73	10083.0	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9512.4	4.5900	4.6732	83.2	0.0087	100.0	
3	A0008474	1/17/2022	1/24/2022	6383.73	6552.28	10113.0	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9528.0	4.6135	4.7023	88.8	0.0093	100.3	
4	A0008466	1/24/2022	1/31/2022	6552.28	6724.29	10320.6	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9445.6	4.5848	4.7163	131.5	0.0139	102.4	
5	A0008463	1/24/2022	2/7/2022	6724.29	6888.14	9831.0	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9317.1	4.5938	4.7205	126.7	0.0136	97.5	
6	A0008450	2/7/2022	2/14/2022	6888.14	7055.99	10071.0	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9458.0	4.6057	4.7411	135.4	0.0143	99.9	
7	A0008442	2/14/2022	2/21/2022	7055.99	7222.74	10005.0	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9364.3	4.5890	4.7723	183.3	0.0196	99.3	
8	A0008434	2/21/2022	2/28/2022	7222.74	7393.57	10249.8	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9372.0	4.5912	4.8167	225.5	0.0241	101.7	
9	A0008426	2/28/2022	3/7/2022	7393.57	7560.12	9993.0	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9331.7	4.6433	4.7978	154.5	0.0166	99.1	
10	A0008418	3/7/2022	3/14/2022	7560.12	7725.96	9950.4	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9361.2	4.5803	4.6518	71.5	0.0076	98.7	
11	A0008410	3/14/2022	3/23/2022	7725.96	7943.79	13069.8	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11789.7	4.5839	4.7281	144.2	0.0122	129.7	
12	A0008402	3/23/2022	3/28/2022	7943.79	8061.92	7087.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6546.6	4.6075	4.7426	135.1	0.0206	70.3	
13	A0006394	3/28/2022	4/4/2022	8061.92	8232.46	10232.4	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9451.4	4.6280	4.7929	164.9	0.0174	101.5	
Totals							129557.4						13.75	12.10	427.40	120520.1	59.789	61.496	1706.5	0.1857		
Averages							9966.0	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	9270.8	4.599	4.730	131.3	0.0143	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
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Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-8			Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022								Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008489	1/4/2022	1/10/2022	29355.45	29497.92	8548.2	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8040.0	4.5865	4.6318	45.3	0.0056	84.8
2	A0008481	1/10/2022	1/17/2022	29497.92	29665.99	10084.2	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9513.5	4.6187	4.6693	50.6	0.0053	100.0
3	A0008473	1/17/2022	1/24/2022	29665.99	29834.5	10110.6	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9525.7	4.5946	4.6570	62.4	0.0066	100.3
4	A0008465	1/24/2022	1/31/2022	29834.5	30006.67	10330.2	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9454.3	4.6122	4.6920	79.8	0.0084	102.5
5	A0008464	1/31/2022	2/7/2022	30006.67	30170.60	9835.8	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9321.6	4.6107	4.7000	89.3	0.0096	97.6
6	A0008449	2/7/2022	2/14/2022	30170.60	30338.29	10061.4	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9449.0	4.5741	4.6643	90.2	0.0095	99.8
7	A0008441	2/14/2022	2/21/2022	30338.29	30505	10002.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9362.0	4.5795	4.6918	112.3	0.0120	99.2
8	A0008433	2/21/2022	2/28/2022	30505	30675.87	10252.2	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9374.2	4.5969	4.8171	220.2	0.0235	101.7
9	A0008425	2/28/2022	3/7/2022	30675.87	30842.38	9990.6	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9329.5	4.6242	4.7466	122.4	0.0131	99.1
10	A0008417	3/7/2022	3/14/2022	30842.38	31008.2	9949.2	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9360.1	4.5955	4.6322	36.7	0.0039	98.7
11	A0008409	3/14/2022	3/23/2022	31008.2	31225.96	13065.6	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11785.9	4.5899	4.7113	121.4	0.0103	129.6
12	A0008401	3/23/2022	3/28/2022	31225.96	31344.13	7090.2	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6548.8	4.5824	4.6878	105.4	0.0161	70.3
13	A0006393	3/28/2022	4/4/2022	31344.13	31514.75	10237.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9455.8	4.6359	4.7854	149.5	0.0158	101.6
Totals						129558.0							13.75	12.10	427.40	120520.5	59.801	61.087	1285.5	0.1398	
Averages						9966.0	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	9270.8	4.600	4.699	98.9	0.0108	98.9
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

Blanks

Period: January 4, 2022 - April 4, 2022

Week #	Filter Number	Start Date	Stop Date	Net
1	A0008488	04-Jan-22	10-Jan-22	4.5724
2	A0008480	10-Jan-22	17-Jan-22	4.6048
3	A0008472	17-Jan-22	24-Jan-22	4.5879
4	A0008457	24-Jan-22	31-Jan-22	4.6072
5	A0008456	31-Jan-22	07-Feb-22	4.6093
6	A0008448	07-Feb-22	14-Feb-22	4.5786
7	A0008440	14-Feb-22	21-Feb-22	4.5854
8	A0008432	21-Feb-22	28-Feb-22	4.6020
9	A0008424	28-Feb-22	07-Mar-22	4.5805
10	A0008416	07-Mar-22	14-Mar-22	4.6019
11	A0008408	14-Mar-22	23-Mar-22	4.6200
12	A0006400	23-Mar-22	28-Mar-22	4.6237
13	A0006392	28-Mar-22	04-Apr-22	4.6378
14				
	Totals			



ANALYTICAL SUMMARY REPORT

August 10, 2022

Energy Fuels Resources (USA) Inc
44 Union Blvd Ste 600
Lakewood, CO 80228-1826

Work Order: C22070269 Quote ID: C5470

Project Name: 2nd Quarter Air 2022

Energy Laboratories, Inc. Casper WY received the following 8 samples for Energy Fuels Resources (USA) Inc on 7/8/2022 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C22070269-001	BHV-1	07/05/22 0:00	07/08/22	Filter	Composite of two or more samples Client Provided Field Parameters Metals, Total Digestion, Total Metals, Radiochemistry Radiochemistry Air Filter Compliance Calculations RAD-AIR, Routine Radiological Reports RAD Alternate Unit Reporting Air Filters Lead 210 Radium 226 Thorium, Isotopic
C22070269-002	BHV-2	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-003	BHV-4	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-004	BHV-5	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-005	BHV-6	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-006	BHV-7	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-007	BHV-8	07/05/22 0:00	07/08/22	Filter	Same As Above
C22070269-008	Blanks	07/05/22 0:00	07/08/22	Filter	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager .

Report Approved By:



CLIENT: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Work Order: C22070269

Report Date: 08/10/22

CASE NARRATIVE

Air filters were collected from 04/04/2022 to 07/05/2022.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-001
Client Sample ID: BHV-1

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	120739500	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	3.5E-10	mg/L		1.5E-10		SW6020	07/16/22 22:01 / jcg
Uranium, Activity	2.3E-16	uCi/mL		1.0E-16		SW6020	07/16/22 22:01 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.4E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	4.3E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.6E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	1.1E-15	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	2.1E-16	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.9E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	3.0E-16	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	5.8E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.9E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	1.3E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	2.4E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	1.5E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1740	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	514	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	31.6	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	135	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	25.5	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.83	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	36.7	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	7.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.35	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	1.5	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.29	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.19	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	28.3	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.4E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	1.2E-01	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	1.0E+00	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-001
Client Sample ID: BHV-1

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	2.1E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	2.6E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-002
Client Sample ID: BHV-2

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	121064700	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	07/16/22 22:09 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/16/22 22:09 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.1E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	3.1E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.4E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	8.3E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	1.7E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.9E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	2.0E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	3.8E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.7E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	4.4E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	1.9E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.2E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1270	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	376	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	28.6	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	10.1	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	2.1	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.83	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	2.4	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	0.46	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.33	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	0.53	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.23	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.27	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	10.8	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.8E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	9.0E-03	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	7.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-002
Client Sample ID: BHV-2

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	7.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	1.0E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-003
Client Sample ID: BHV-4

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	120499600	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	07/16/22 22:12 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/16/22 22:12 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.3E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	3.8E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.6E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	3.8E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	9.0E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.3E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	1.8E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	3.4E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.0E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	4.6E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	1.9E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.2E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1540	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	455	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	30.8	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	4.6	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	1.1	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.76	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	2.2	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	0.41	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.24	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	0.56	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.23	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.26	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	9.3	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.1E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	4.0E-03	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	6.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-003
Client Sample ID: BHV-4

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	8.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	9.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-004
Client Sample ID: BHV-5

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	122180200	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	4.2E-10	mg/L		1.5E-10		SW6020	07/16/22 22:23 / jcg
Uranium, Activity	2.9E-16	uCi/mL		1.0E-16		SW6020	07/16/22 22:23 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.0E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	2.9E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.3E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	1.2E-15	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	2.3E-16	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.5E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	8.6E-16	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	1.6E-16	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	3.3E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	1.6E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	3.0E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.4E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1220	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	360	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	28.2	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	149	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	28.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.80	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	105	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	19.9	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.40	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	2.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.37	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.30	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	35.0	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.7E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	1.4E-01	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	2.9E+00	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-004
Client Sample ID: BHV-5

Report Date: 08/10/22
Collection Date: 07/05/22
DateReceived: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	2.7E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	3.2E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-005
Client Sample ID: BHV-6

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	120739200	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	1.6E-10	mg/L		1.5E-10		SW6020	07/16/22 22:26 / jcg
Uranium, Activity	1.1E-16	uCi/mL		1.0E-16		SW6020	07/16/22 22:26 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	8.4E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	2.5E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.1E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	8.1E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	1.7E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.1E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	7.0E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	1.3E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.9E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	1.0E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	2.0E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.0E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1010	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	298	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	25.9	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	9.8	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	2.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.74	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	8.4	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	1.6	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.36	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	1.3	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.24	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.25	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	12.8	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.4E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	9.0E-03	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	2.3E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-005
Client Sample ID: BHV-6

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	1.7E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	1.2E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-006
Client Sample ID: BHV-7

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	121361700	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	7.0E-10	mg/L		1.5E-10		SW6020	07/16/22 22:29 / jcg
Uranium, Activity	4.7E-16	uCi/mL		1.0E-16		SW6020	07/16/22 22:29 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.2E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	3.6E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.5E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	1.8E-15	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	3.5E-16	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	6.9E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	7.3E-16	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	1.4E-16	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.6E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	1.4E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	2.7E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	1.7E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1480	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	437	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	30.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	223	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	41.9	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.84	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	89.1	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	16.9	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.32	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	1.7	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.33	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.21	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	57.3	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.0E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	2.0E-01	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	2.4E+00	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-006
Client Sample ID: BHV-7

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	2.4E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	5.2E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-007
Client Sample ID: BHV-8

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	121269800	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	1.8E-10	mg/L		1.5E-10		SW6020	07/16/22 22:32 / jcg
Uranium, Activity	1.2E-16	uCi/mL		1.0E-16		SW6020	07/16/22 22:32 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.2E-14	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	3.5E-15	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	2.5E-16	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	3.4E-16	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 precision (±)	6.6E-17	uCi/mL				E903.0	07/29/22 23:57 / trs
Radium 226 MDC	7.0E-18	uCi/mL				E903.0	07/29/22 23:57 / trs
Thorium 230	6.2E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	1.2E-17	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.4E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	3.8E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	1.7E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.2E-18	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1440	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	424	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	30.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	41.6	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	8.0	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.85	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	7.5	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	1.4	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.29	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	0.46	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.21	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.26	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	15.0	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.0E+00	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	4.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	2.1E-01	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-007
Client Sample ID: BHV-8

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	6.0E-02	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	1.4E-01	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-008
Client Sample ID: Blanks

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	1	L				FIELD	04/04/22 00:00 / ***
METALS, IN AIR							
Uranium	0.0048	mg/L	D	0.00026		SW6020	07/16/22 22:35 / jcg
Uranium, Activity	3.3E-09	uCi/mL	D	1.8E-10		SW6020	07/16/22 22:35 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	-7.9E-09	uCi/mL	U			E909.0	07/27/22 16:24 / hat
Lead 210 precision (±)	7.4E-09	uCi/mL				E909.0	07/27/22 16:24 / hat
Lead 210 MDC	1.3E-08	uCi/mL				E909.0	07/27/22 16:24 / hat
Radium 226	6.1E-10	uCi/mL	U			E903.0	07/30/22 13:53 / trs
Radium 226 precision (±)	4.9E-10	uCi/mL				E903.0	07/30/22 13:53 / trs
Radium 226 MDC	7.7E-10	uCi/mL				E903.0	07/30/22 13:53 / trs
Thorium 230	9.4E-10	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 precision (±)	2.9E-10	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 230 MDC	2.8E-10	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232	4.2E-11	uCi/mL	U			A7500-U C	07/25/22 15:17 / sec
Thorium 232 precision (±)	1.2E-10	uCi/mL				A7500-U C	07/25/22 15:17 / sec
Thorium 232 MDC	2.4E-10	uCi/mL				A7500-U C	07/25/22 15:17 / sec
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	-7.9	pCi/Filter	U			RADCALC	08/04/22 14:05 / dmf
Lead 210 precision (±)	7.4	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Lead 210 MDC	12.5	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226	0.61	pCi/Filter	U			RADCALC	08/04/22 14:05 / dmf
Radium 226 precision (±)	0.49	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Radium 226 MDC	0.77	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230	0.94	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 precision (±)	0.29	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 230 MDC	0.28	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232	0.042	pCi/Filter	U			RADCALC	08/04/22 14:05 / dmf
Thorium 232 precision (±)	0.12	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Thorium 232 MDC	0.24	pCi/Filter				RADCALC	08/04/22 14:05 / dmf
Uranium, Activity	0	pCi/Filter		0.20		RADCALC	08/04/22 14:05 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	-1.0E+06	%				RADCALC	08/08/22 11:50 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, % of EFF	6.7E+04	%				RADCALC	08/08/22 11:50 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 230, % of EFF	3.1E+06	%				RADCALC	08/08/22 11:50 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions:
 RL - Analyte Reporting Limit
 QCL - Quality Control Limit
 D - Reporting Limit (RL) increased due to sample matrix

MCL - Maximum Contaminant Level
 ND - Not detected at the Reporting Limit (RL)
 U - Not detected at Minimum Detectable Concentration (MDC)



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2022
Lab ID: C22070269-008
Client Sample ID: Blanks

Report Date: 08/10/22
Collection Date: 07/05/22
Date Received: 07/08/22
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, % of EFF	7.0E+05	%				RADCALC	08/08/22 11:50 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, % of EFF	3.6E+06	%				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/08/22 11:50 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/08/22 11:50 / dmf

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22070269

Report Date: 08/01/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW6020										Analytical Run: ICPMS5-C_220716A	
Lab ID: QCS		Initial Calibration Verification Standard								07/16/22 20:34	
Uranium		0.0185	mg/L	0.00030	92	90	110				
Lab ID: ICSA		Interference Check Sample A								07/16/22 20:59	
Uranium		5.56E-06	mg/L	0.00030							
Lab ID: ICSAB		Interference Check Sample AB								07/16/22 21:02	
Uranium		-6.44E-08	mg/L	0.00030							
Method: SW6020										Batch: 67559	
Lab ID: MB-67559		Method Blank								Run: ICPMS5-C_220716A	07/16/22 21:55
Uranium		ND	mg/L	0.01							
Lab ID: LCS-67559		Laboratory Control Sample								Run: ICPMS5-C_220716A	07/16/22 21:58
Uranium		0.0540	mg/L	0.013	108	85	115				
Lab ID: C22070269-001APDS		Post Digestion/Distillation Spike								Run: ICPMS5-C_220716A	07/16/22 22:07
Uranium		7.16E-10	mg/L	1.5E-10	87	75	125				
Method: SW6020										Batch: 67559	
Lab ID: C22070269-001ADIL		Serial Dilution								Run: ICPMS5-C_220727A	07/27/22 12:39
Uranium		3.74E-10	mg/L	1.5E-10		0	0	5.6	20		

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22070269

Report Date: 08/09/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A7500-U C										Batch: 67559
Lab ID: MB-67559	6	Method Blank								Run: EGG-ORTEC_ALL_220720B 07/25/22 15:17
Thorium 230		1	pCi/L							
Thorium 230 precision (±)		0.2	pCi/L							
Thorium 230 MDC		0.3	pCi/L							
Thorium 232		0.08	pCi/L							U
Thorium 232 precision (±)		0.1	pCi/L							
Thorium 232 MDC		0.2	pCi/L							
Lab ID: LCS-67559	3	Laboratory Control Sample								Run: EGG-ORTEC_ALL_220720B 07/25/22 15:17
Thorium 230		138	pCi/L	110		70	130			
Thorium 230 precision (±)		26.2	pCi/L							
Thorium 230 MDC		0.878	pCi/L							
Lab ID: C22070269-004ADUP	6	Sample Duplicate								Run: EGG-ORTEC_ALL_220720B 07/25/22 15:17
Thorium 230		7.34E-07	pCi/L					16	20	
Thorium 230 precision (±)		1.39E-07	pCi/L							
Thorium 230 MDC		2.48E-09	pCi/L							
Thorium 232		1.70E-08	pCi/L					6.1	20	
Thorium 232 precision (±)		3.24E-09	pCi/L							
Thorium 232 MDC		1.81E-09	pCi/L							

- The RER result for Th230 is 0.64 and Th232 is 0.18.

Qualifiers:

RL - Analyte Reporting Limit

U - Not detected at Minimum Detectable Concentration (MDC)

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22070269

Report Date: 08/09/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: 67559R
Lab ID: LCS-67559	3	Laboratory Control Sample								Run: G542M-2_220715A 07/29/22 23:57
Radium 226		103	pCi/L		100	70	130			
Radium 226 precision (±)		19.4	pCi/L							
Radium 226 MDC		0.844	pCi/L							
Lab ID: MB-67559	3	Method Blank								Run: G542M-2_220715A 07/29/22 23:57
Radium 226		0.1	pCi/L							U
Radium 226 precision (±)		0.2	pCi/L							
Radium 226 MDC		0.4	pCi/L							
Lab ID: C22070269-001ADUP	3	Sample Duplicate								Run: G542M-2_220715A 07/29/22 23:57
Radium 226		1.08E-06	pCi/L					3.9	20	
Radium 226 precision (±)		2.03E-07	pCi/L							
Radium 226 MDC		7.10E-09	pCi/L							
- The RER result is 0.15.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C22070269

Report Date: 08/09/22

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0 Batch: 67559										
Lab ID: LCS-67559	3	Laboratory Control Sample								
Lead 210		145	pCi/L	86		60	130			
Lead 210 precision (±)		43.9	pCi/L							
Lead 210 MDC		15.6	pCi/L							
Run: HIDEX 300SL_220720A 07/27/22 16:24										
Lab ID: MB-67559	3	Method Blank								
Lead 210		-7	pCi/L							U
Lead 210 precision (±)		4	pCi/L							
Lead 210 MDC		6	pCi/L							
Run: HIDEX 300SL_220720A 07/27/22 16:24										
Lab ID: C22070269-003ADUP	3	Sample Duplicate								
Lead 210		0.0000104	pCi/L					21	20	R
Lead 210 precision (±)		3.08E-06	pCi/L							
Lead 210 MDC		2.34E-07	pCi/L							

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 2, the RER result is 0.49.

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected at Minimum Detectable Concentration (MDC)



Work Order Receipt Checklist

Energy Fuels Resources (USA) Inc

C22070269

Login completed by: Kirsten L. Smith

Date Received: 7/8/2022

Reviewed by: Chantel S. Johnson

Received by: kls

Reviewed Date: 7/12/2022

Carrier name: UPS

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on all shipping container(s)/cooler(s)? Yes No Not Present
- Custody seals intact on all sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Temp Blank received in all shipping container(s)/cooler(s)? Yes No Not Applicable
- Container/Temp Blank temperature: °C No Ice - From Field
- Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

C22070269



CHAIN OF CUSTODY

Samples Shipped to: Energy Laboratories **Contact:** Tanner Holliday
2393 Salt Creek Hwy. Ph: 435 678 2221
Casper WY, 82601 tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
2nd Quarter Air 2022	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
BHV-1	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-2	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-4	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-5	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-6	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-7	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-8	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
Blanks	4/4/2022 - 7/5/2022	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com **FILTERS are NOT source or by-product material, source or processed ore, or 11e2.**

Relinquished By:(Signature) <i>Tanner Holliday</i> Tanner Holliday	Date/Time 7/6/2022 1100	Received By:(Signature) <i>Kathy Weinel</i>	Date/Time 7/8/2022 10:30
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

BHV-1		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779			First Monitoring Quarter 2015 Updated: 7/30/14						
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Sid. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006391	4/4/2022	4/11/2022	11084.11	11249.33	9913.2	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9158.6	4.3883	4.5923	204.0	0.0223	98.3
2	A0006383	4/11/2022	4/18/2022	11249.33	11417.18	10071.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9312.0	4.4281	4.8907	462.6	0.0497	99.9
3	A0006375	4/18/2022	4/25/2022	11417.18	11586.01	10129.8	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9314.0	4.3910	4.7100	319.0	0.0342	100.5
4	A0006367	4/25/2022	5/2/2022	11586.01	11755.27	10155.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9030.0	4.4268	4.7804	353.6	0.0392	100.8
5	A0006359	5/2/2022	5/9/2022	11755.27	11920.68	9924.6	3.5	4.0	3.8	15.5	288.6	614.89	1.06	0.88	31.24	8778.8	4.4350	5.1594	724.4	0.0825	98.5
6	A0006351	5/9/2022	5/16/2022	11920.68	12090.21	10171.8	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9298.7	4.4134	4.8052	391.8	0.0421	100.9
7	A0006343	5/16/2022	5/23/2022	12090.21	12257.12	10014.6	4.0	4.0	4.0	18.3	291.4	616.23	1.10	0.91	32.14	9115.6	4.4145	4.8716	457.1	0.0501	99.4
8	A0006355	5/23/2022	5/31/2022	12257.12	12450.87	11625.0	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10591.0	4.5182	5.0845	566.3	0.0535	115.3
9	A0006327	5/31/2022	6/6/2022	12450.87	12593.65	8566.8	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8012.3	4.4967	4.7232	226.5	0.0283	85.0
10	A0006319	6/6/2022	6/13/2022	12593.65	12761.94	10097.4	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9081.0	4.5623	5.1354	573.1	0.0631	100.2
11	A0006311	6/13/2022	6/20/2022	12761.94	12929.54	10056.0	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9096.2	4.6202	5.3002	680.0	0.0748	99.8
12	A0006303	6/20/2022	6/27/2022	12929.54	13097.62	10084.8	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9448.2	4.6199	4.8343	214.4	0.0227	100.0
13	A0008395	6/27/2022	7/5/2022	13097.62	13290.98	11601.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10503.1	4.6009	4.9050	304.1	0.0290	115.1
Totals						132412.2							14.24	11.86	418.78	120739.5	58.315	63.792	5476.9	0.5914	
Averages						10185.6	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.21	9287.7	4.486	4.907	421.3	0.0455	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-2		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006390	4/4/2022	4/11/2022	5877.35	6042.47	9907.2	4.5	4.0	4.3	10.5	283.7	617.98	1.11	0.95	33.63	9435.4	4.4226	4.6999	277.3	0.0294	98.3
2	A0006382	4/11/2022	4/18/2022	6042.47	6209.73	10035.6	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9279.3	4.4296	4.9022	472.6	0.0509	99.6
3	A0006374	4/18/2022	4/25/2022	6209.73	6379.15	10165.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9346.5	4.4199	4.8325	412.6	0.0441	100.8
4	A0006366	4/25/2022	5/2/2022	6379.15	6548.49	10160.4	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9034.2	4.4138	4.7502	336.4	0.0372	100.8
5	A0006358	5/2/2022	5/9/2022	6548.49	6713.78	9917.4	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9060.9	4.4289	5.1591	730.2	0.0806	98.4
6	A0006350	5/9/2022	5/16/2022	6713.78	6882.68	10134.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9264.2	4.3969	4.7770	380.1	0.0410	100.5
7	A0006342	5/16/2022	5/23/2022	6882.68	7049.73	10023.0	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8832.8	4.4337	4.7104	276.7	0.0313	99.4
8	A0006334	5/23/2022	5/31/2022	7049.73	7243.27	11612.4	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10579.5	4.5108	4.8570	346.2	0.0327	115.2
9	A0006326	5/31/2022	6/6/2022	7243.27	7386.18	8574.6	4.0	4.0	4.0	20.3	293.5	616.57	1.10	0.91	32.04	7779.5	4.5098	4.6920	182.2	0.0234	85.1
10	A0006318	6/6/2022	6/13/2022	7386.18	7554.13	10077.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.6	4.5536	4.9320	378.4	0.0418	100.0
11	A0006306	6/13/2022	6/20/2022	7554.13	7722.01	10072.8	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9392.5	4.6368	5.4372	800.4	0.0852	99.9
12	A0006302	6/20/2022	6/27/2022	7722.01	7890.76	10125.0	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9485.9	4.6114	4.8043	192.9	0.0203	100.4
13	A0008394	6/27/2022	7/5/2022	7890.76	8084.27	11610.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10511.2	4.5968	4.9174	320.6	0.0305	115.2
Totals						132415.2							14.27	11.89	419.79	121064.7	58.365	63.471	5106.6	0.5486	
Averages						10185.8	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.29	9312.7	4.490	4.882	392.8	0.0422	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-4		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006389	4/4/2022	4/11/2022	40365.39	40530.67	9916.8	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9161.9	4.4193	4.5988	179.5	0.0196	98.4
2	A0006381	4/11/2022	4/18/2022	40530.67	40698.39	10067.7	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9304.8	4.4259	4.8638	437.9	0.0471	99.8
3	A0006373	4/18/2022	4/25/2022	40698.39	40867.41	10141.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9324.5	4.4108	4.6677	256.9	0.0276	100.6
4	A0006365	4/25/2022	5/2/2022	40867.41	41036.57	10149.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9024.6	4.4321	4.7375	305.4	0.0338	100.7
5	A0006357	5/2/2022	5/9/2022	41036.57	41201.96	9923.4	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9066.4	4.4270	4.9928	565.8	0.0624	98.4
6	A0006349	5/9/2022	5/16/2022	41201.96	41371.33	10162.2	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9290.0	4.3999	4.7326	332.7	0.0358	100.8
7	A0006341	5/16/2022	5/23/2022	41371.33	41538.44	10026.6	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8836.0	4.5204	4.9104	390.0	0.0441	99.5
8	A0006333	5/23/2022	5/31/2022	41538.44	41731.82	11602.8	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10570.8	4.5161	4.8732	357.1	0.0338	115.1
9	A0006325	5/31/2022	6/6/2022	41731.82	41874.87	8583.0	4.0	4.0	4.0	20.3	293.5	616.57	1.10	0.91	32.04	7787.2	4.4927	4.6558	163.1	0.0209	85.1
10	A0006317	6/6/2022	6/13/2022	41874.87	42042.81	10076.4	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.1	4.6280	4.8713	243.3	0.0268	100.0
11	A0006309	6/13/2022	6/20/2022	42042.81	42210.7	10073.4	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9393.1	4.6424	5.1425	500.1	0.0532	99.9
12	A0006301	6/20/2022	6/27/2022	42210.7	42379.05	10101.0	4.0	4.0	4.0	21.9	295.1	622.00	1.10	0.91	32.10	9180.2	4.6273	4.8775	250.2	0.0273	100.2
13	A0008393	6/27/2022	7/5/2022	42379.05	42572.32	11596.2	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10498.2	4.5863	4.8769	290.6	0.0277	115.0
Totals						132415.8							14.20	11.83	417.79	120499.6	58.528	62.801	4272.6	0.4602	
Averages						10185.8	4.0	4.0	4.0	17.5	290.7	617.43438	1.09	0.91	32.14	9269.2	4.502	4.831	328.7	0.0354	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-5		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14				
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006388	4/4/2022	4/11/2022	33598.49	33763.67	9910.8	4.5	4.0	4.3	10.5	283.7	617.98	1.11	0.95	33.63	9438.9	4.4194	4.6046	185.2	0.0196	98.3
2	A0006380	4/11/2022	4/18/2022	33763.67	33931.47	10068.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9309.2	4.4302	4.8847	454.5	0.0488	99.9
3	A0006372	4/18/2022	4/25/2022	33931.47	34100.52	10143.0	4.5	4.0	4.3	12.4	285.6	616.18	1.12	0.95	33.47	9613.9	4.4242	4.7580	333.8	0.0347	100.6
4	A0006364	4/25/2022	5/2/2022	34100.52	34269.66	10148.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9320.3	4.4447	4.7313	286.6	0.0308	100.7
5	A0006356	5/2/2022	5/9/2022	34269.66	34435.07	9924.6	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9067.5	4.4278	5.0216	593.8	0.0655	98.5
6	A0006348	5/9/2022	5/16/2022	34435.07	34604.42	10161.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9288.9	4.4124	4.7752	362.8	0.0391	100.8
7	A0006340	5/16/2022	5/23/2022	34604.42	34771.54	10027.2	4.5	4.0	4.3	18.3	291.4	616.23	1.13	0.94	33.14	9408.7	4.5154	4.8712	355.8	0.0378	99.5
8	A0006332	5/23/2022	5/31/2022	34771.54	34964.85	11598.6	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10567.0	4.5104	4.8374	327.0	0.0309	115.1
9	A0006324	5/31/2022	6/6/2022	34964.85	35107.99	8588.4	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8032.5	4.4879	4.6511	163.2	0.0203	85.2
10	A0006316	6/6/2022	6/13/2022	35107.99	35275.91	10075.2	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9061.0	4.6309	4.8980	267.1	0.0295	100.0
11	A0006308	6/13/2022	6/20/2022	35275.91	35443.79	10072.8	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9111.4	4.6469	5.2051	558.2	0.0613	99.9
12	A0008400	6/20/2022	6/27/2022	35443.79	35612.16	10102.2	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9464.5	4.5573	4.7580	200.7	0.0212	100.2
13	A0008392	6/27/2022	7/5/2022	35612.16	35805.4	11594.4	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10496.6	4.5878	4.8470	259.2	0.0247	115.0
Totals						132414.6							14.41	12.00	423.84	122180.2	58.495	62.843	4347.9	0.4642	
Averages						10185.7	4.2	4.0	4.1	17.5	290.7	617.43438	1.11	0.92	32.60	9398.5	4.500	4.834	334.5	0.0357	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-6		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779				First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006387	4/4/2022	4/11/2022	6934.62	7099.63	9900.6	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9146.9	4.3972	4.5864	189.2	0.0207	98.2
2	A0006379	4/11/2022	4/18/2022	7099.63	7267.62	10079.4	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9319.8	4.4402	4.8754	435.2	0.0467	100.0
3	A0006371	4/18/2022	4/25/2022	7267.62	7436.64	10141.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9324.5	4.4227	4.6760	253.3	0.0272	100.6
4	A0006363	4/25/2022	5/2/2022	7436.64	7605.8	10149.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9024.6	4.4345	4.7284	293.9	0.0326	100.7
5	A0006355	5/2/2022	5/9/2022	7605.8	7771.2	9924.0	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9066.9	4.4082	4.8307	422.5	0.0466	98.5
6	A0006347	5/9/2022	5/16/2022	7771.2	7940.54	10160.4	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9288.3	4.4090	4.7342	325.2	0.0350	100.8
7	A0006339	5/16/2022	5/23/2022	7940.54	8107.62	10024.8	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8834.4	4.5128	4.8732	360.4	0.0408	99.5
8	A0006331	5/23/2022	5/30/2022	8107.62	8301.08	11607.6	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10575.2	4.5049	4.8515	346.6	0.0328	115.2
9	A0006323	5/31/2022	6/6/2022	8301.08	8444.05	8578.2	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8022.9	4.4886	4.6174	128.8	0.0161	85.1
10	A0006315	6/6/2022	6/13/2022	8444.05	8612	10077.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.6	4.6375	4.9130	275.5	0.0304	100.0
11	A0006307	6/13/2022	6/20/2022	8612	8779.89	10073.4	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9112.0	4.6406	5.1394	498.8	0.0547	99.9
12	A0008399	6/20/2022	6/27/2022	8779.89	8948.22	10099.8	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9462.3	4.5708	4.7537	182.9	0.0193	100.2
13	A0008391	6/27/2022	7/5/2022	8948.22	9141.5	11596.8	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10498.7	4.5817	4.8263	244.6	0.0233	115.0
Totals						132412.8							14.24	11.86	418.79	120739.2	58.449	62.406	3956.9	0.4261	
Averages						10185.6	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.21	9287.6	4.496	4.800	304.4	0.0328	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
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Insert filter weight values into orange columns.																					

BHV-7		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779				First Monitoring Quarter 2014 Updated: 7/30/14						
		Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)
1	A0006386	4/4/2022	4/11/2022	8232.46	8397.77	9918.6	3.5	4.0	3.8	10.5	283.7	617.98	1.05	0.89	31.59	8871.8	4.4190	4.7014	282.4	0.0318	98.4	
2	A0006378	4/11/2022	4/18/2022	8397.77	8565.62	10071.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9312.0	4.4303	5.1174	687.1	0.0738	99.9	
3	A0006370	4/18/2022	4/25/2022	8565.62	8734.49	10132.2	4.5	4.0	4.3	12.4	285.6	616.18	1.12	0.95	33.47	9603.6	4.4329	4.8473	414.4	0.0432	100.5	
4	A0006362	4/25/2022	5/2/2022	8734.49	8903.68	10151.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9323.0	4.4300	4.8500	420.0	0.0450	100.7	
5	A0006354	5/2/2022	5/9/2022	8903.68	9069.09	9924.6	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9067.5	4.4342	5.1234	689.2	0.0760	98.5	
6	A0006346	5/9/2022	5/16/2022	9069.09	9238.63	10172.4	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9299.3	4.4269	4.9044	477.5	0.0513	100.9	
7	A0006338	5/16/2022	5/23/2022	9238.63	9405.62	10019.4	4.0	4.0	4.0	18.3	291.4	616.23	1.10	0.91	32.14	9120.0	4.5004	4.9392	438.8	0.0481	99.4	
8	A0006330	5/23/2022	5/31/2022	9405.62	9599.25	11617.8	4.5	4.0	4.3	17.5	290.7	615.73	1.13	0.94	33.17	10911.0	4.5005	4.9514	450.9	0.0413	115.3	
9	A0006322	5/31/2022	6/6/2022	9599.25	9742.11	8571.6	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8016.8	4.5037	4.7142	210.5	0.0263	85.0	
10	A0006314	6/6/2022	6/13/2022	9742.11	9910.39	10096.8	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9080.4	4.6220	5.0181	396.1	0.0436	100.2	
11	A0006310	6/13/2022	6/20/2022	9910.39	10078	10056.6	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9377.4	4.6268	5.3640	737.2	0.0786	99.8	
12	A0008398	6/20/2022	6/27/2022	10078	10246.12	10087.2	3.5	4.0	3.8	21.9	295.1	622.00	1.06	0.88	31.07	8875.8	4.5954	4.8598	264.4	0.0298	100.1	
13	A000839	6/27/2022	7/5/2022	10246.12	10439.48	11601.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10503.1	4.5913	4.9436	352.3	0.0335	115.1	
						Totals	132421.2							14.30	11.91	420.77	121361.7	58.513	64.334	5820.8	0.6224	
						Averages	10186.2	4.1	4.0	4.0	17.5	290.7	617.43438	1.10	0.92	32.37	9335.5	4.501	4.949	447.8	0.0479	101.1
Comments:																						
Insert weekly flow check values in yellow columns.																						
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Green columns are calculated averages from the met station.																						
Insert filler weight values into orange columns.																						

BHV-8		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006385	4/4/2022	4/11/2022	31514.75	31680.01	9915.6	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9160.8	4.4007	4.6142	213.5	0.0233	98.4	
2	A0006377	4/11/2022	4/18/2022	31680.01	31847.86	10071.0	4.5	4.0	4.3	8.8	282.0	615.32	1.11	0.95	33.66	9599.3	4.4115	4.9511	539.6	0.0562	99.9	
3	A0006369	4/18/2022	4/25/2022	31847.86	32016.71	10131.0	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9315.1	4.4170	4.7385	321.5	0.0345	100.5	
4	A0006361	4/25/2022	5/2/2022	32016.71	32185.95	10154.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9325.8	4.4158	4.8063	390.5	0.0419	100.7	
5	A0006353	5/2/2022	5/9/2022	32185.95	32351.34	9923.4	4.5	4.0	4.3	15.5	288.6	614.89	1.13	0.94	33.26	9346.1	4.4050	5.1794	774.4	0.0829	98.4	
4	A0006345	5/9/2022	5/16/2022	32351.34	32520.89	10173.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9299.8	4.4065	4.8440	437.5	0.0470	100.9	
7	A0006337	5/16/2022	5/23/2022	32520.89	32687.83	10016.4	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8827.0	4.5250	5.2005	675.5	0.0765	99.4	
8	A0006329	5/23/2022	5/31/2022	32687.83	32881.55	11623.2	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10589.4	4.5151	5.0218	506.7	0.0478	115.3	
9	A0006321	5/31/2022	6/6/2022	32881.55	33024.35	8568.0	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8013.4	4.5270	4.7908	263.8	0.0329	85.0	
10	A0006313	6/6/2022	6/13/2022	33024.35	33192.6	10095.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9078.8	4.6320	5.4993	867.3	0.0955	100.1	
11	A0006305	6/13/2022	6/20/2022	33192.6	33360.24	10058.4	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9379.1	4.6266	5.9565	1329.9	0.1418	99.8	
12	A0008397	6/20/2022	6/27/2022	33360.24	33528.32	10084.8	4.0	4.0	4.0	21.9	295.1	622.00	1.10	0.91	32.10	9165.5	4.5929	4.8000	207.1	0.0226	100.0	
13	A0008389	6/27/2022	7/5/2022	33528.32	33721.7	11602.8	3.5	4.0	3.8	23.9	297.0	621.26	1.07	0.88	30.95	10169.8	4.6083	4.9688	360.5	0.0354	115.1	
						Totals	132417.0						14.30	11.92	420.80	121269.8	58.483	65.371	6887.8	0.7385		
						Averages	10185.9	4.1	4.0	4.0	17.5	290.7	617.43438	1.10	0.92	32.37	9328.4	4.499	5.029	529.8	0.0568	101.1
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

Blanks

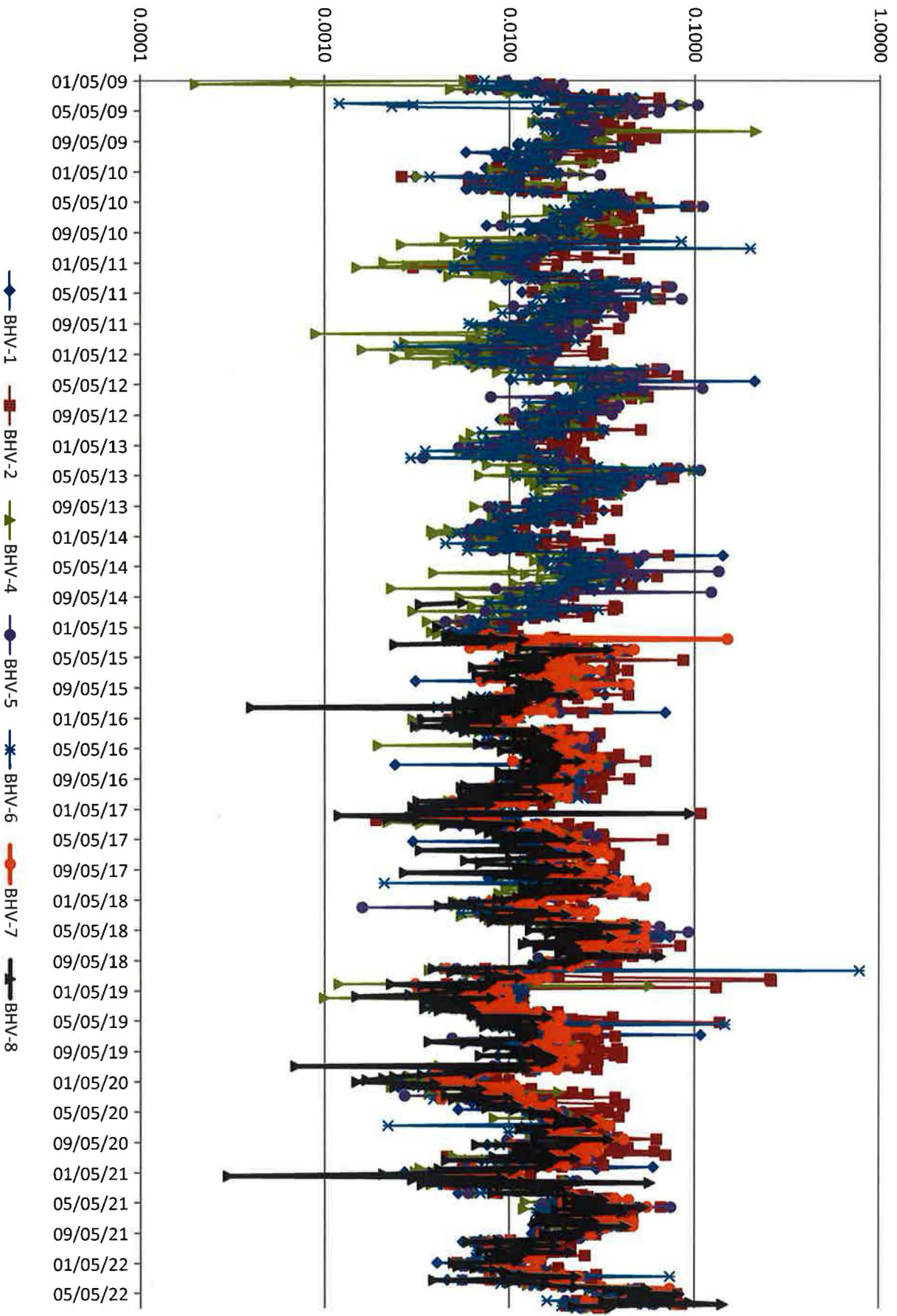
Period: April 4, 2022 - July 5, 2022

Week #	Filter Number	Start Date	Stop Date	Net
1	A0006384	04-Apr-22	11-Apr-22	4.4244
2	A0006376	11-Apr-22	18-Apr-22	4.4083
3	A0006368	18-Apr-22	25-Apr-22	4.3910
4	A0006360	25-Apr-22	02-May-22	4.4086
5	A0006352	02-May-22	09-May-22	4.4103
6	A0006344	09-May-22	16-May-22	4.4449
7	A0006336	16-May-22	23-May-22	4.5333
8	A0006328	23-May-22	31-May-22	4.5036
9	A0006320	31-May-22	06-Jun-22	4.5308
10	A0006312	06-Jun-22	13-Jun-22	4.6372
11	A0006304	13-Jun-22	20-Jun-22	4.5884
12	A0008396	20-Jun-22	27-Jun-22	4.5917
13	A0008388	27-Jun-22	05-Jul-22	4.6118
	Totals			

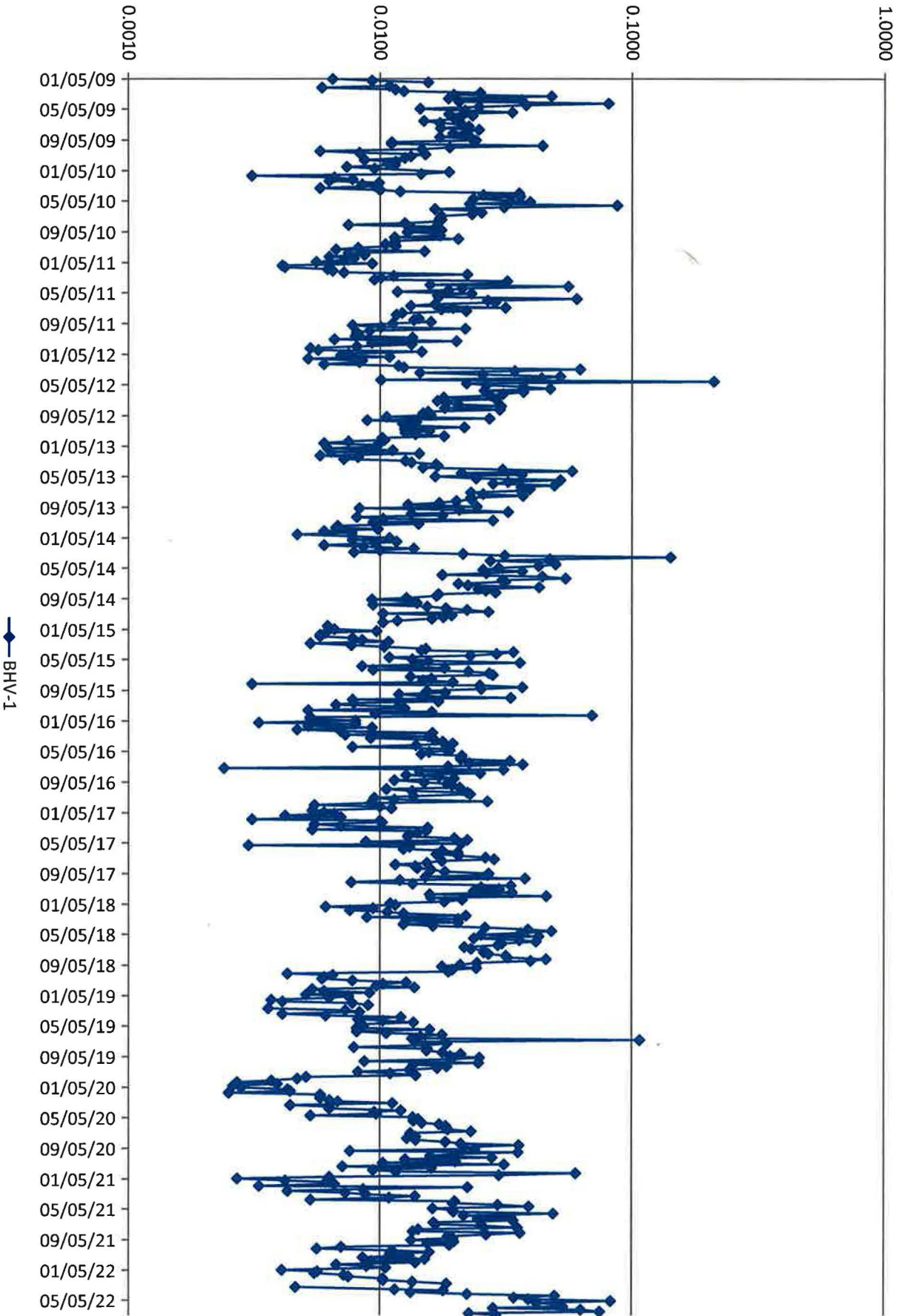
ATTACHMENT D

AIR PARTICULATE LOADING GRAPHS AND SUPPORTING DATA

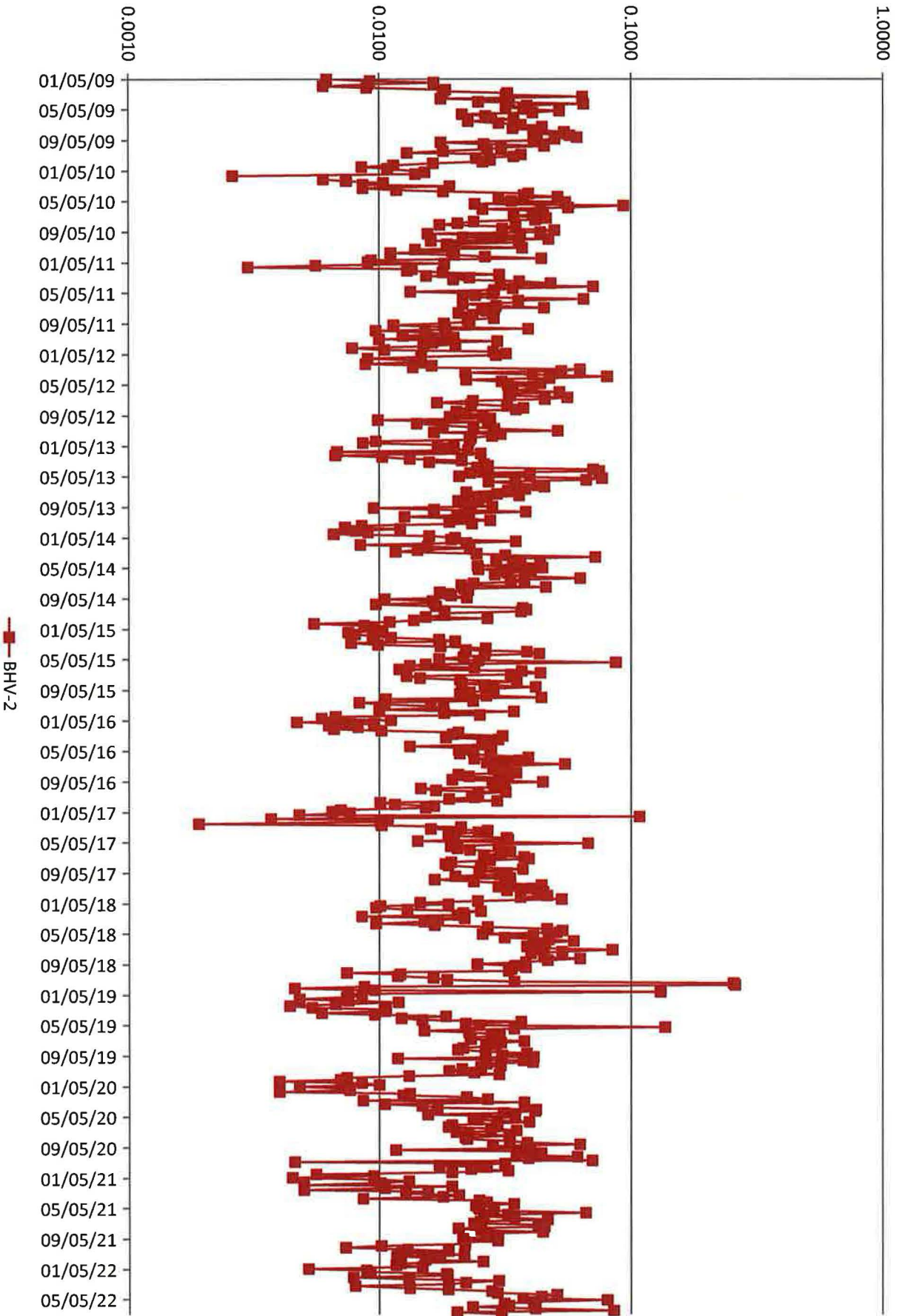
Air Station Particulate Loading (mg/m³)



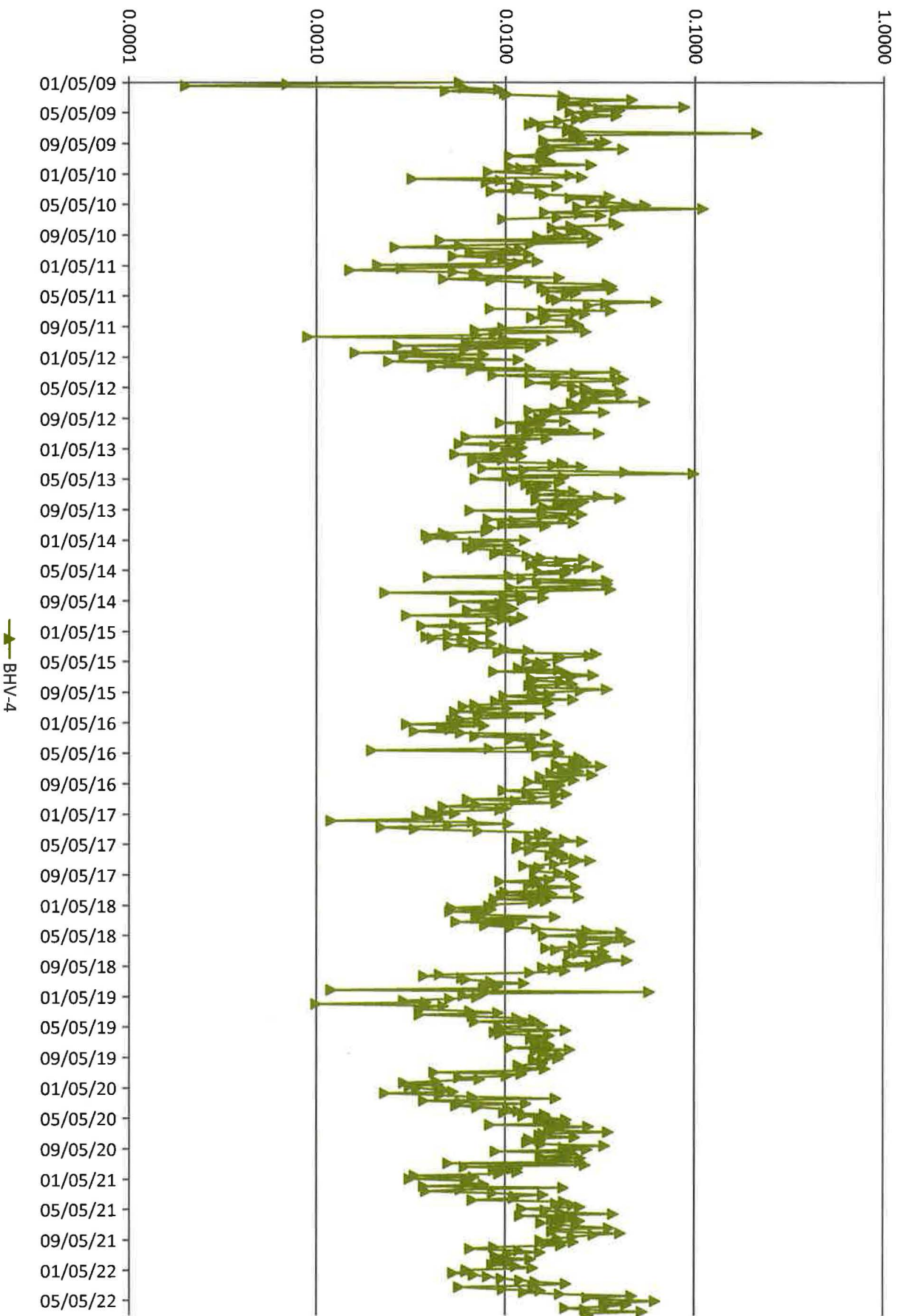
BHV-1 Particulate Loading (mg/m³)



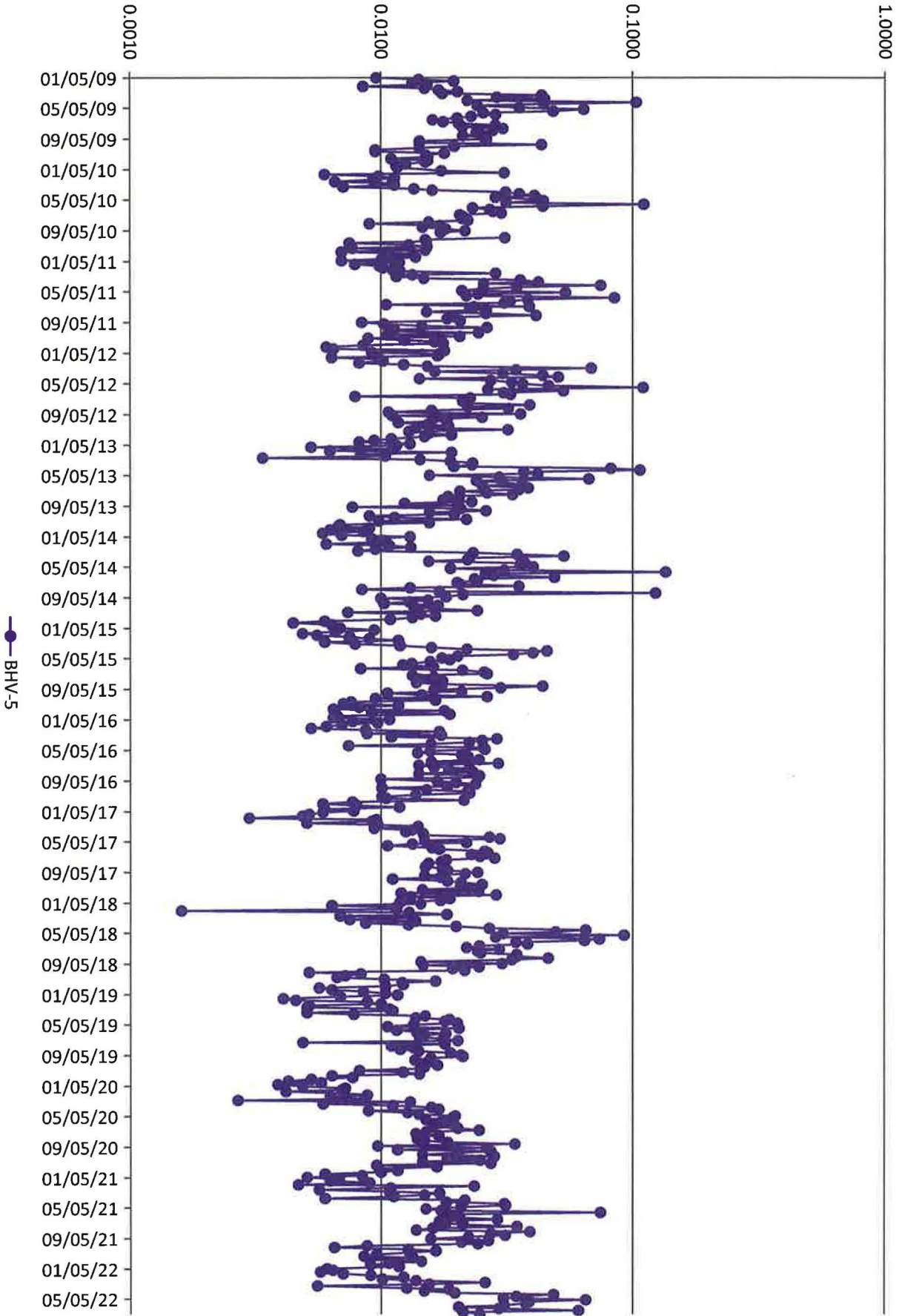
BHV-2 Particulate Loading (mg/m³)



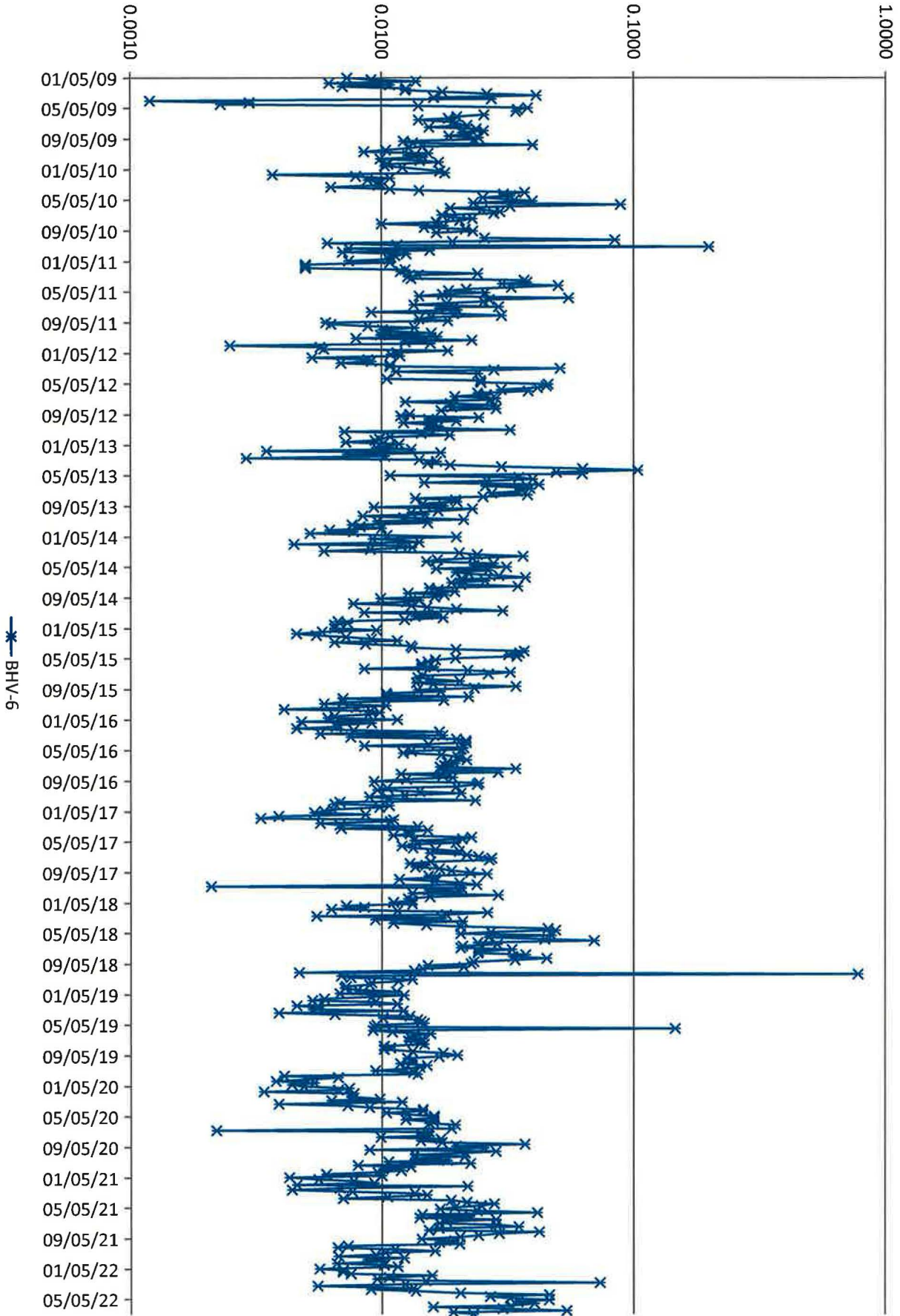
BHV-4 Particulate Loading (mg/m³)



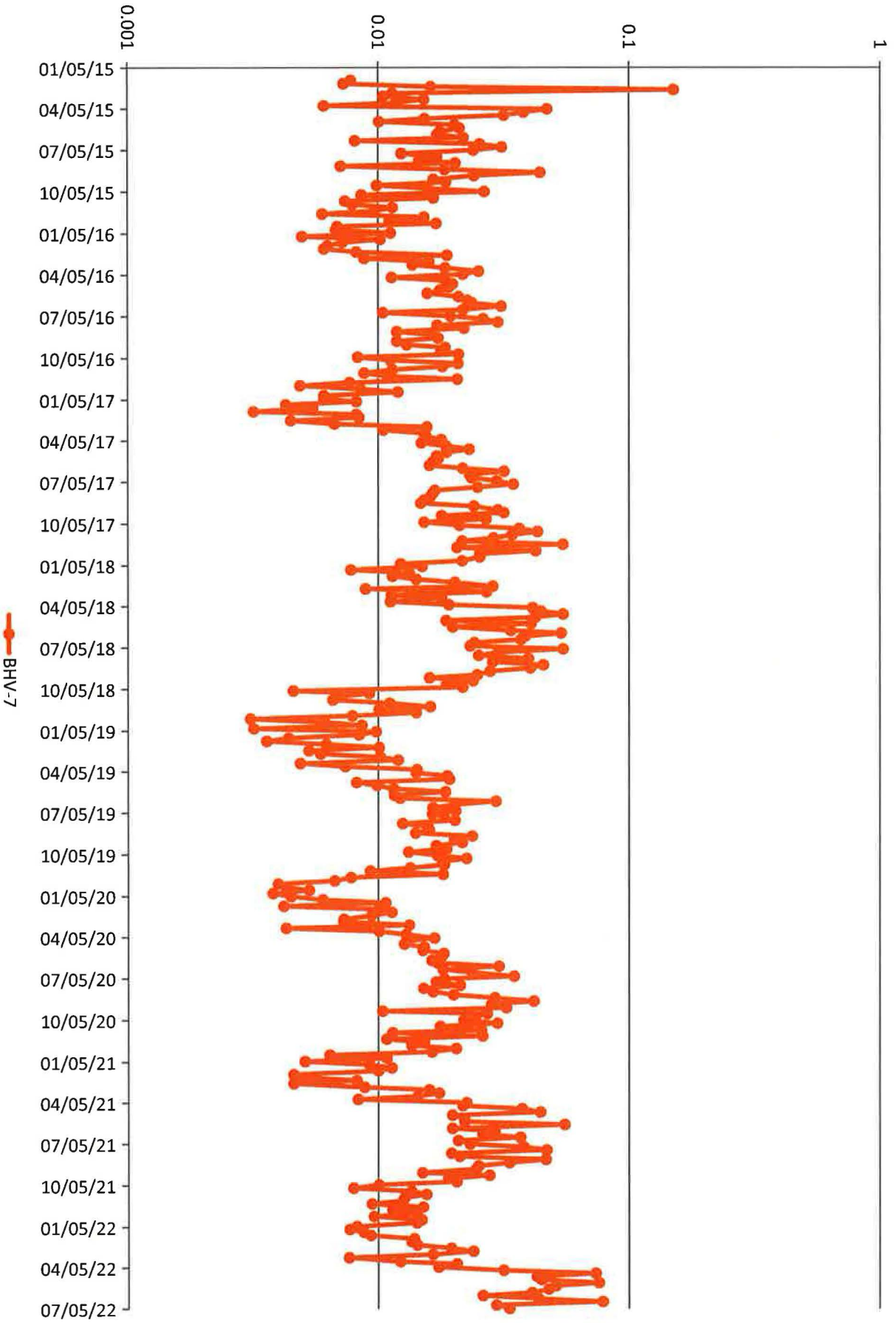
BHV-5 Particulate Loading (mg/m³)



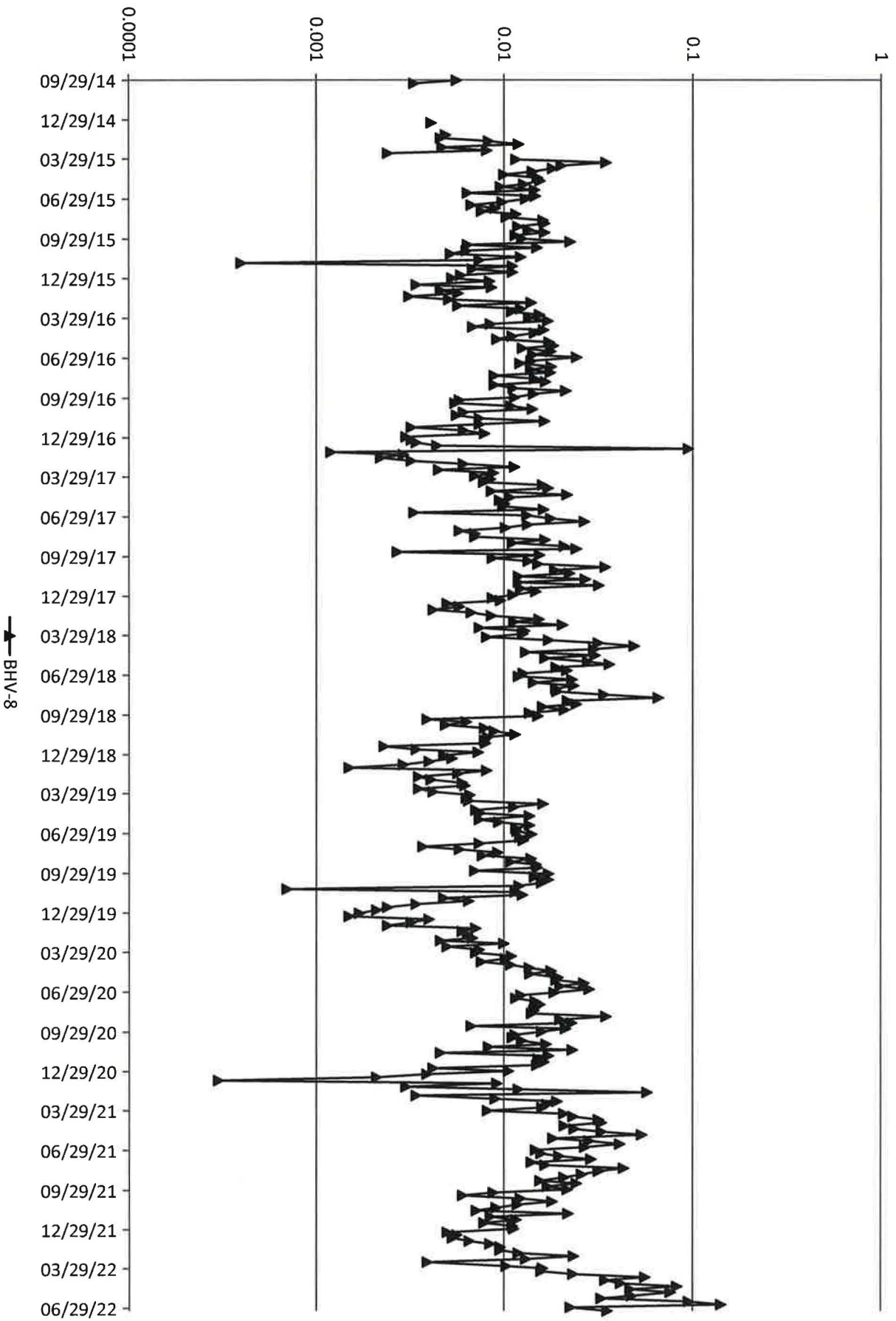
BHV-6 Particulate Loading (mg/m³)



BHV-7 Particulate Loading (mg/m³)



BHV-8 Particulate Loading (mg/m³)



BHV-1	Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022											Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2015 Updated: 7/30/14				
	Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)

Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008495	1/4/2022	1/10/2022	9091.38	9233.77	8543.4	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8035.4	4.5663	4.6116	45.3	0.0056	84.8	
2	A0008487	1/10/2022	1/17/2022	9233.77	9401.91	10088.4	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9517.5	4.5675	4.6198	52.3	0.0055	100.1	
3	A0008479	1/17/2022	1/24/2022	9401.91	9570.39	10108.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9524.0	4.5876	4.6560	68.4	0.0072	100.3	
4	A0008471	1/24/2022	1/31/2022	9570.39	9742.67	10336.8	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9460.4	4.6002	4.6711	70.9	0.0075	102.5	
5	A0008458	1/31/2022	2/7/2022	9742.67	9906.56	9833.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9319.3	4.5833	4.6789	95.6	0.0103	97.6	
6	A0008455	2/7/2022	2/14/2022	9906.56	10074.22	10059.6	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9447.3	4.6209	4.7183	97.4	0.0103	99.8	
7	A0008447	2/14/2022	2/21/2022	10074.22	10240.91	10001.4	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9360.9	4.6096	4.7357	126.1	0.0135	99.2	
8	A0008439	2/21/2022	2/28/2022	10240.91	10411.8	10253.4	4.5	4.0	4.3	-1.6	271.5	618.19	1.09	0.97	34.38	9982.3	4.6053	4.7898	184.5	0.0185	101.7	
9	A0008431	2/28/2022	3/7/2022	10411.8	10411.8	0.0	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	0.0	4.6270	4.6399	12.9	N/A	0.0	
10	A0008423	3/7/2022	3/14/2022	10411.8	10577.56	9945.6	3.0	4.0	3.5	0.6	273.7	618.44	0.99	0.88	31.07	8750.9	4.5902	4.6306	40.4	0.0046	98.7	
11	A0008415	3/14/2022	3/23/2022	10577.56	10795.25	13061.4	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11782.1	4.5944	4.7295	135.1	0.0115	129.6	
12	A0008407	3/23/2022	3/28/2022	10795.25	10913.44	7091.4	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6549.9	4.6170	4.7346	117.6	0.0180	70.4	
13	A0006399	3/28/2022	4/4/2022	10913.44	11084.11	10240.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9458.6	4.6512	4.7765	125.3	0.0132	101.6	
						Totals	119563.8						13.75	12.10	427.34	111188.8	59.821	60.992	1171.8	0.1256		
						Averages	9197.2	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.87	8553.0	4.602	4.692	90.1	0.0105	91.2

Comments: 3/7/2022 Power was found off, wasn't plugged in from the previous week.

Insert weekly flow check values in yellow columns.

Blue column values are calculated.

Green columns are calculated averages from the met station.

Insert filter weight values into orange columns.

BHV-2		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779						First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008494	1/4/2022	1/10/2022	3718	3860.4	8544.0	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8036.0	4.5691	4.6403	71.2	0.0089	84.8	
2	A0008486	1/10/2022	1/17/2022	3860.4	4028.53	10087.8	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9516.9	4.5630	4.6508	87.8	0.0092	100.1	
3	A0008478	1/17/2022	1/24/2022	4028.53	4196.99	10107.6	4.5	4.0	4.3	0.6	273.7	620.19	1.09	0.97	34.30	9816.7	4.5879	4.7692	181.3	0.0185	100.3	
4	A0008470	1/24/2022	1/31/2022	4196.99	4368.26	10276.2	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9714.2	4.6144	4.7952	180.8	0.0186	101.9	
5	A0008459	1/31/2022	2/7/2022	4368.29	4533.18	9893.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9376.2	4.5969	4.6705	73.6	0.0078	98.1	
6	A0008454	2/7/2022	2/14/2022	4533.18	4700.86	10060.8	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9448.5	4.6041	4.7274	123.3	0.0130	99.8	
7	A0008446	2/14/2022	2/21/2022	4700.86	4867.52	9999.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9359.2	4.6213	4.8998	278.5	0.0298	99.2	
8	A0008438	2/21/2022	2/28/2022	4867.52	5038.77	10275.0	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9395.0	4.6099	4.8164	206.5	0.0220	101.9	
9	A0008430	2/28/2022	3/7/2022	5038.77	5204.95	9970.8	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9311.0	4.5854	4.7608	175.4	0.0188	98.9	
10	A0008422	3/7/2022	3/14/2022	5204.95	5370.11	9909.6	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9322.8	4.6155	4.6899	74.4	0.0080	98.3	
11	A0008414	3/14/2022	3/23/2022	5370.11	5587.96	13071.0	4.5	4.0	4.3	6.1	279.3	618.79	1.11	0.96	33.92	12554.3	4.5942	4.7596	165.4	0.0132	129.7	
12	A0008406	3/23/2022	3/28/2022	5587.96	5706.08	7087.2	4.5	4.0	4.3	11.5	284.7	619.84	1.12	0.95	33.62	6748.0	4.5999	4.7264	126.5	0.0187	70.3	
13	A0006398	3/28/2022	4/4/2022	5706.08	5877.35	10276.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9491.8	4.6133	4.8783	265.0	0.0279	101.9	
						Totals	129559.2						13.92	12.25	432.56	122090.6	59.775	61.785	2009.7	0.2145		
						Averages	9966.1	4.1	4.0	4.0	2.9	276.1	619.71562	1.07	0.94	33.27	9391.6	4.598	4.753	154.6	0.0165	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-4		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779			First Monitoring Quarter 2014 Updated: 7/30/14							
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008493	1/4/2022	1/10/2022	38206.12	38348.63	8550.6	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8042.2	4.5705	4.6205	50.0	0.0062	84.8	
2	A0008485	1/10/2022	1/17/2022	38348.63	38516.69	10083.6	4.5	4.0	4.3	1.4	274.6	623.77	1.09	0.97	34.34	9806.5	4.5825	4.6345	52.0	0.0053	100.0	
3	A0008477	1/17/2022	1/24/2022	38516.69	38685.27	10114.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9529.7	4.5993	4.6642	64.9	0.0068	100.3	
4	A0008469	1/24/2022	1/31/2022	38685.27	38856.68	10284.6	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9722.1	4.6083	4.6869	78.6	0.0081	102.0	
5	A0008460	1/31/2022	2/7/2022	38856.68	39021.06	9862.8	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9347.2	4.6236	4.7135	89.9	0.0096	97.8	
6	A0008453	2/7/2022	2/14/2022	39021.06	39188.87	10068.6	4.5	4.0	4.3	3.7	276.9	623.37	1.10	0.97	34.19	9747.5	4.6230	4.7403	117.3	0.0120	99.9	
7	A0008445	2/14/2022	2/21/2022	39188.87	39355.73	10011.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9370.5	4.5868	4.7232	136.4	0.0146	99.3	
8	A0008437	2/21/2022	2/28/2022	39355.73	39526.1	10222.2	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9346.7	4.6007	4.7975	196.8	0.0211	101.4	
9	A0008429	2/28/2022	3/7/2022	39526.1	39693.08	10018.8	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9355.8	4.6020	4.7340	132.0	0.0141	99.4	
10	A0008421	3/7/2022	3/14/2022	39693.08	39858.77	9941.4	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.8	4.6199	4.6731	53.2	0.0057	98.6	
11	A0008413	3/14/2022	3/23/2022	39858.77	40076.65	13072.8	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11792.4	4.5927	4.7077	115.0	0.0098	129.7	
12	A0008405	3/23/2022	3/28/2022	40076.65	40194.63	7078.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6538.3	4.6166	4.7177	101.1	0.0155	70.2	
13	A0006397	3/28/2022	4/4/2022	40194.63	40365.39	10245.6	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9463.6	4.6283	4.7477	119.4	0.0126	101.6	
						Totals	129556.2						13.85	12.19	430.51	121415.2	59.854	61.161	1306.6	0.1413		
						Averages	9965.9	4.0	4.0	4.0	2.9	276.1	619.71562	1.07	0.94	33.12	9339.6	4.604	4.705	100.5	0.0109	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-5		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022					Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14									
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0008492	1/4/2022	1/10/2022	31439.25	31581.76	8550.6	3.5	4.0	3.8	1.5	274.7	620.22	1.03	0.91	32.16	7786.2	4.5784	4.6285	50.1	0.0064	84.8
2	A0008484	1/10/2022	1/17/2022	31581.76	31749.84	10084.8	3.5	4.0	3.8	1.4	274.6	623.77	1.03	0.91	32.26	9211.2	4.5680	4.6211	53.1	0.0058	100.0
3	A0008476	1/17/2022	1/24/2022	31749.84	31918.42	10114.8	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9529.7	4.5641	4.6314	67.3	0.0071	100.3
4	A0008468	1/24/2022	1/31/2022	31918.42	32089.74	10279.2	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9717.0	4.6174	4.7056	88.2	0.0091	102.0
5	A0008461	1/31/2022	2/7/2022	32089.74	32254.13	9863.4	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9347.8	4.6000	4.7144	114.4	0.0122	97.9
6	A0008452	2/7/2022	2/14/2022	32254.13	32421.98	10071.0	4.5	4.0	4.3	3.7	276.9	623.37	1.10	0.97	34.19	9749.9	4.6034	4.7020	98.6	0.0101	99.9
7	A0008444	2/14/2022	2/21/2022	32421.98	32588.86	10012.8	4.5	4.0	4.3	3.1	276.2	617.65	1.10	0.96	34.07	9660.7	4.6147	4.7470	132.3	0.0137	99.3
8	A0008436	2/21/2022	2/28/2022	32588.86	32759.1	10214.4	4.0	4.0	4.0	-1.6	271.5	618.19	1.06	0.94	33.35	9646.7	4.6177	4.8681	250.4	0.0260	101.3
9	A0008428	2/28/2022	3/7/2022	32759.1	32926.19	10025.4	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9361.9	4.6095	4.7553	145.8	0.0156	99.5
10	A0008420	3/7/2022	3/14/2022	32926.19	33091.87	9940.8	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.2	4.6246	4.6770	52.4	0.0056	98.6
11	A0008412	3/14/2022	3/23/2022	33091.87	33309.77	13074.0	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11793.5	4.6058	4.7543	148.5	0.0126	129.7
12	A0008404	3/23/2022	3/28/2022	33309.77	33427.7	7075.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6535.5	4.6075	4.7292	121.7	0.0186	70.2
13	A0006396	3/28/2022	4/4/2022	33427.7	33598.49	10247.4	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9465.2	4.6391	4.7795	140.4	0.0148	101.7
Totals						129554.4							13.81	12.16	429.45	121157.6	59.850	61.313	1463.2	0.1576	
Averages						9965.7	4.0	4.0	4.0	2.9	276.1	619.71562	1.06	0.94	33.03	9319.8	4.604	4.716	112.6	0.0121	98.9
Comments:																					
Insert weekly flow check values in yellow columns.																					
Blue column values are calculated.																					
Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-6		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14						
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008491	1/4/2022	1/10/2022	4896.68	5039.1	8545.2	3.5	4.0	3.8	1.5	274.7	620.22	1.03	0.91	32.16	7781.3	4.5547	4.6091	54.4	0.0070	84.8	
2	A0008483	1/10/2022	1/17/2022	5039.1	5207.23	10087.8	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9516.9	4.5682	4.6347	66.5	0.0070	100.1	
3	A0008475	1/17/2022	1/24/2022	5207.23	5375.79	10113.6	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9528.6	4.6247	4.6962	71.5	0.0075	100.3	
4	A0008467	1/24/2022	1/31/2022	5375.79	5547.34	10293.0	4.0	4.0	4.0	-0.7	272.4	621.41	1.06	0.95	33.38	9730.1	4.6010	4.7559	154.9	0.0159	102.1	
5	A0008462	1/31/2022	2/7/2022	5547.34	5711.6	9855.6	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9340.4	4.6087	4.7083	99.6	0.0107	97.8	
6	A0008451	2/7/2022	2/14/2022	5711.6	5879.41	10068.6	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9455.8	4.6390	4.7293	90.3	0.0095	99.9	
7	A0008443	2/14/2022	2/21/2022	5879.41	6046.22	10008.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9367.6	4.5908	4.7315	140.7	0.0150	99.3	
8	A0008435	2/21/2022	2/28/2022	6046.22	6095.45	2953.8	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	2700.8	4.5859	4.7859	200.0	0.0741	29.3	
9	A0008427	2/28/2022	3/7/2022	6095.45	6262.31	10011.6	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9349.1	4.6346	4.7501	115.5	0.0124	99.3	
10	A0008419	3/7/2022	3/14/2022	6262.31	6427.99	9940.8	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9352.2	4.6179	4.6698	51.9	0.0055	98.6	
11	A0008411	3/14/2022	3/23/2022	6427.99	6645.85	13071.6	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11791.3	4.5861	4.7432	157.1	0.0133	129.7	
12	A0008403	3/23/2022	3/28/2022	6645.85	6763.96	7086.6	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6545.5	4.6205	4.6795	59.0	0.0090	70.3	
13	A0006395	3/28/2022	4/4/2022	6763.96	6934.62	10239.6	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9458.0	4.6405	4.7694	128.9	0.0136	101.6	
						Totals	122276.4						13.75	12.10	427.40	113917.5	59.873	61.263	1390.3	0.2006		
						Averages	9405.9	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	8762.9	4.606	4.713	106.9	0.0154	93.3
Comments: 2/28/2022 power was found off. GFCI was found tripped, reset and power was restored.																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-7			Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022								Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14						
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008490	1/4/2022	1/10/2022	6073.17	6215.68	8550.6	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8042.2	4.5784	4.6403	61.9	0.0077	84.8	
2	A0008482	1/10/2022	1/17/2022	6215.68	6383.73	10083.0	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9512.4	4.5900	4.6732	83.2	0.0087	100.0	
3	A0008474	1/17/2022	1/24/2022	6383.73	6552.28	10113.0	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9528.0	4.6135	4.7023	88.8	0.0093	100.3	
4	A0008466	1/24/2022	1/31/2022	6552.28	6724.29	10320.6	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9445.6	4.5848	4.7163	131.5	0.0139	102.4	
5	A0008463	1/24/2022	2/7/2022	6724.29	6888.14	9831.0	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9317.1	4.5938	4.7205	126.7	0.0136	97.5	
6	A0008450	2/7/2022	2/14/2022	6888.14	7055.99	10071.0	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9458.0	4.6057	4.7411	135.4	0.0143	99.9	
7	A0008442	2/14/2022	2/21/2022	7055.99	7222.74	10005.0	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9364.3	4.5890	4.7723	183.3	0.0196	99.3	
8	A0008434	2/21/2022	2/28/2022	7222.74	7393.57	10249.8	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9372.0	4.5912	4.8167	225.5	0.0241	101.7	
9	A0008426	2/28/2022	3/7/2022	7393.57	7560.12	9993.0	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9331.7	4.6433	4.7978	154.5	0.0166	99.1	
10	A0008418	3/7/2022	3/14/2022	7560.12	7725.96	9950.4	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9361.2	4.5803	4.6518	71.5	0.0076	98.7	
11	A0008410	3/14/2022	3/23/2022	7725.96	7943.79	13069.8	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11789.7	4.5839	4.7281	144.2	0.0122	129.7	
12	A0008402	3/23/2022	3/28/2022	7943.79	8061.92	7087.8	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6546.6	4.6075	4.7426	135.1	0.0206	70.3	
13	A0006394	3/28/2022	4/4/2022	8061.92	8232.46	10232.4	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9451.4	4.6280	4.7929	164.9	0.0174	101.5	
						Totals	129557.4						13.75	12.10	427.40	120520.1	59.789	61.496	1706.5	0.1857		
						Averages	9966.0	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	9270.8	4.599	4.730	131.3	0.0143	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-8		Energy Fuels Resources - White Mesa Mill Period: January 4, 2022 - April 4, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14						
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0008489	1/4/2022	1/10/2022	29355.45	29497.92	8548.2	4.0	4.0	4.0	1.5	274.7	620.22	1.06	0.94	33.22	8040.0	4.5865	4.6318	45.3	0.0056	84.8	
2	A0008481	1/10/2022	1/17/2022	29497.92	29665.99	10084.2	4.0	4.0	4.0	1.4	274.6	623.77	1.06	0.94	33.32	9513.5	4.6187	4.6693	50.6	0.0053	100.0	
3	A0008473	1/17/2022	1/24/2022	29665.99	29834.5	10110.6	4.0	4.0	4.0	0.6	273.7	620.19	1.06	0.94	33.27	9525.7	4.5946	4.6570	62.4	0.0066	100.3	
4	A0008465	1/24/2022	1/31/2022	29834.5	30006.67	10330.2	3.5	4.0	3.8	-0.7	272.4	621.41	1.02	0.92	32.32	9454.3	4.6122	4.6920	79.8	0.0084	102.5	
5	A0008464	1/31/2022	2/7/2022	30006.67	30170.60	9835.8	4.0	4.0	4.0	-2.6	270.6	620.37	1.05	0.95	33.47	9321.6	4.6107	4.7000	89.3	0.0096	97.6	
6	A0008449	2/7/2022	2/14/2022	30170.60	30338.29	10061.4	4.0	4.0	4.0	3.7	276.9	623.37	1.06	0.94	33.17	9449.0	4.5741	4.6643	90.2	0.0095	99.8	
7	A0008441	2/14/2022	2/21/2022	30338.29	30505	10002.6	4.0	4.0	4.0	3.1	276.2	617.65	1.07	0.94	33.05	9362.0	4.5795	4.6918	112.3	0.0120	99.2	
8	A0008433	2/21/2022	2/28/2022	30505	30675.87	10252.2	3.5	4.0	3.8	-1.6	271.5	618.19	1.02	0.91	32.29	9374.2	4.5969	4.8171	220.2	0.0235	101.7	
9	A0008425	2/28/2022	3/7/2022	30675.87	30842.38	9990.6	4.0	4.0	4.0	4.9	278.0	618.85	1.07	0.93	32.98	9329.5	4.6242	4.7466	122.4	0.0131	99.1	
10	A0008417	3/7/2022	3/14/2022	30842.38	31008.2	9949.2	4.0	4.0	4.0	0.6	273.7	618.44	1.06	0.94	33.22	9360.1	4.5955	4.6322	36.7	0.0039	98.7	
11	A0008409	3/14/2022	3/23/2022	31008.2	31225.96	13065.6	3.5	4.0	3.8	6.1	279.3	618.79	1.04	0.90	31.86	11785.9	4.5899	4.7113	121.4	0.0103	129.6	
12	A0008401	3/23/2022	3/28/2022	31225.96	31344.13	7090.2	4.0	4.0	4.0	11.5	284.7	619.84	1.08	0.92	32.62	6548.8	4.5824	4.6878	105.4	0.0161	70.3	
13	A0006393	3/28/2022	4/4/2022	31344.13	31514.75	10237.2	4.0	4.0	4.0	9.4	282.5	615.23	1.08	0.92	32.62	9455.8	4.6359	4.7854	149.5	0.0158	101.6	
						Totals	129558.0						13.75	12.10	427.40	120520.5	59.801	61.087	1285.5	0.1398		
						Averages	9966.0	3.9	4.0	3.9	2.9	276.1	619.71562	1.06	0.93	32.88	9270.8	4.600	4.699	98.9	0.0108	98.9
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filler weight values into orange columns.																						

Blanks

Period: January 4, 2022 - April 4, 2022

Week #	Filter Number	Start Date	Stop Date	Net
1	A0008488	04-Jan-22	10-Jan-22	4.5724
2	A0008480	10-Jan-22	17-Jan-22	4.6048
3	A0008472	17-Jan-22	24-Jan-22	4.5879
4	A0008457	24-Jan-22	31-Jan-22	4.6072
5	A0008456	31-Jan-22	07-Feb-22	4.6093
6	A0008448	07-Feb-22	14-Feb-22	4.5786
7	A0008440	14-Feb-22	21-Feb-22	4.5854
8	A0008432	21-Feb-22	28-Feb-22	4.6020
9	A0008424	28-Feb-22	07-Mar-22	4.5805
10	A0008416	07-Mar-22	14-Mar-22	4.6019
11	A0008408	14-Mar-22	23-Mar-22	4.6200
12	A0006400	23-Mar-22	28-Mar-22	4.6237
13	A0006392	28-Mar-22	04-Apr-22	4.6378
14				
	Totals			

BHV-1		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022					Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2015 Updated: 7/30/14										
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006391	4/4/2022	4/11/2022	11084.11	11249.33	9913.2	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9158.6	4.3883	4.5923	204.0	0.0223	98.3	
2	A0006383	4/11/2022	4/18/2022	11249.33	11417.18	10071.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9312.0	4.4281	4.8907	462.6	0.0497	99.9	
3	A0006375	4/18/2022	4/25/2022	11417.18	11586.01	10129.8	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9314.0	4.3910	4.7100	319.0	0.0342	100.5	
4	A0006367	4/25/2022	5/2/2022	11586.01	11755.27	10155.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9030.0	4.4268	4.7804	353.6	0.0392	100.8	
5	A0006359	5/2/2022	5/9/2022	11755.27	11920.68	9924.6	3.5	4.0	3.8	15.5	288.6	614.89	1.06	0.88	31.24	8778.8	4.4350	5.1594	724.4	0.0825	98.5	
6	A0006351	5/9/2022	5/16/2022	11920.68	12090.21	10171.8	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9298.7	4.4134	4.8052	391.8	0.0421	100.9	
7	A0006343	5/16/2022	5/23/2022	12090.21	12257.12	10014.6	4.0	4.0	4.0	18.3	291.4	616.23	1.10	0.91	32.14	9115.6	4.4145	4.8716	457.1	0.0501	99.4	
8	A0006355	5/23/2022	5/31/2022	12257.12	12450.87	11625.0	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10591.0	4.5182	5.0845	566.3	0.0535	115.3	
9	A0006327	5/31/2022	6/6/2022	12450.87	12593.65	8566.8	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8012.3	4.4967	4.7232	226.5	0.0283	85.0	
10	A0006319	6/6/2022	6/13/2022	12593.65	12761.94	10097.4	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9081.0	4.5623	5.1354	573.1	0.0631	100.2	
11	A0006311	6/13/2022	6/20/2022	12761.94	12929.54	10056.0	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9096.2	4.6202	5.3002	680.0	0.0748	99.8	
12	A0006303	6/20/2022	6/27/2022	12929.54	13097.62	10084.8	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9448.2	4.6199	4.8343	214.4	0.0227	100.0	
13	A0008395	6/27/2022	7/5/2022	13097.62	13290.98	11601.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10503.1	4.6009	4.9050	304.1	0.0290	115.1	
						Totals	132412.2						14.24	11.86	418.78	120739.5	58.315	63.792	5476.9	0.5914		
						Averages	10185.6	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.21	9287.7	4.486	4.907	421.3	0.0455	101.0
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-2		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006390	4/4/2022	4/11/2022	5877.35	6042.47	9907.2	4.5	4.0	4.3	10.5	283.7	617.98	1.11	0.95	33.63	9435.4	4.4226	4.6999	277.3	0.0294	98.3	
2	A0006382	4/11/2022	4/18/2022	6042.47	6209.73	10035.6	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9279.3	4.4296	4.9022	472.6	0.0509	99.6	
3	A0006374	4/18/2022	4/25/2022	6209.73	6379.15	10165.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9346.5	4.4199	4.8325	412.6	0.0441	100.8	
4	A0006366	4/25/2022	5/2/2022	6379.15	6548.49	10160.4	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9034.2	4.4138	4.7502	336.4	0.0372	100.8	
5	A0006358	5/2/2022	5/9/2022	6548.49	6713.78	9917.4	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9060.9	4.4289	5.1591	730.2	0.0806	98.4	
6	A0006350	5/9/2022	5/16/2022	6713.78	6882.68	10134.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9264.2	4.3969	4.7770	380.1	0.0410	100.5	
7	A0006342	5/16/2022	5/23/2022	6882.68	7049.73	10023.0	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8832.8	4.4337	4.7104	276.7	0.0313	99.4	
8	A0006334	5/23/2022	5/31/2022	7049.73	7243.27	11612.4	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10579.5	4.5108	4.8570	346.2	0.0327	115.2	
9	A0006326	5/31/2022	6/6/2022	7243.27	7386.18	8574.6	4.0	4.0	4.0	20.3	293.5	616.57	1.10	0.91	32.04	7779.5	4.5098	4.6920	182.2	0.0234	85.1	
10	A0006318	6/6/2022	6/13/2022	7386.18	7554.13	10077.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.6	4.5536	4.9320	378.4	0.0418	100.0	
11	A0006306	6/13/2022	6/20/2022	7554.13	7722.01	10072.8	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9392.5	4.6368	5.4372	800.4	0.0852	99.9	
12	A0006302	6/20/2022	6/27/2022	7722.01	7890.76	10125.0	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9485.9	4.6114	4.8043	192.9	0.0203	100.4	
13	A0008394	6/27/2022	7/5/2022	7890.76	8084.27	11610.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10511.2	4.5968	4.9174	320.6	0.0305	115.2	
						Totals	132415.2						14.27	11.89	419.79	121064.7	58.365	63.471	5106.6	0.5486		
						Averages	10185.8	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.29	9312.7	4.490	4.882	392.8	0.0422	101.0
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the met station.																						
Insert filter weight values into orange columns.																						

BHV-4		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022									Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779						First Monitoring Quarter 2014 Updated: 7/30/14				
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006389	4/4/2022	4/11/2022	40365.39	40530.67	9916.8	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9161.9	4.4193	4.5988	179.5	0.0196	98.4
2	A0006381	4/11/2022	4/18/2022	40530.67	40698.39	10063.2	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9304.8	4.4259	4.8638	437.9	0.0471	99.8
3	A0006373	4/18/2022	4/25/2022	40698.39	40867.41	10141.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9324.5	4.4108	4.6677	256.9	0.0276	100.6
4	A0006365	4/25/2022	5/2/2022	40867.41	41036.57	10149.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9024.6	4.4321	4.7375	305.4	0.0338	100.7
5	A0006357	5/2/2022	5/9/2022	41036.57	41201.96	9923.4	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9066.4	4.4270	4.9928	565.8	0.0624	98.4
6	A0006349	5/9/2022	5/16/2022	41201.96	41371.33	10162.2	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9290.0	4.3999	4.7326	332.7	0.0358	100.8
7	A0006341	5/16/2022	5/23/2022	41371.33	41538.44	10026.6	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8836.0	4.5204	4.9104	390.0	0.0441	99.5
8	A0006333	5/23/2022	5/31/2022	41538.44	41731.82	11602.8	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10570.8	4.5161	4.8732	357.1	0.0338	115.1
9	A0006325	5/31/2022	6/6/2022	41731.82	41874.87	8583.0	4.0	4.0	4.0	20.3	293.5	616.57	1.10	0.91	32.04	7787.2	4.4927	4.6558	163.1	0.0209	85.1
10	A0006317	6/6/2022	6/13/2022	41874.87	42042.81	10076.4	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.1	4.6280	4.8713	243.3	0.0268	100.0
11	A0006309	6/13/2022	6/20/2022	42042.81	42210.7	10073.4	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9393.1	4.6424	5.1425	500.1	0.0532	99.9
12	A0006301	6/20/2022	6/27/2022	42210.7	42379.05	10101.0	4.0	4.0	4.0	21.9	295.1	622.00	1.10	0.91	32.10	9180.2	4.6273	4.8775	250.2	0.0273	100.2
13	A0008393	6/27/2022	7/5/2022	42379.05	42572.32	11596.2	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10498.2	4.5863	4.8769	290.6	0.0277	115.0
Totals						132415.8							14.20	11.83	417.79	120499.6	58.528	62.801	4272.6	0.4602	
Averages						10185.8	4.0	4.0	4.0	17.5	290.7	617.43438	1.09	0.91	32.14	9269.2	4.502	4.831	328.7	0.0354	101.0
Comments:																					
Insert weekly flow check values in yellow columns.																					
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Green columns are calculated averages from the met station.																					
Insert filter weight values into orange columns.																					

BHV-5		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006388	4/4/2022	4/11/2022	33598.49	33763.67	9910.8	4.5	4.0	4.3	10.5	283.7	617.98	1.11	0.95	33.63	9438.9	4.4194	4.6046	185.2	0.0196	98.3	
2	A0006380	4/11/2022	4/18/2022	33763.67	33931.47	10068.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9309.2	4.4302	4.8847	454.5	0.0488	99.9	
3	A0006372	4/18/2022	4/25/2022	33931.47	34100.52	10143.0	4.5	4.0	4.3	12.4	285.6	616.18	1.12	0.95	33.47	9613.9	4.4242	4.7580	333.8	0.0347	100.6	
4	A0006364	4/25/2022	5/2/2022	34100.52	34269.66	10148.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9320.3	4.4447	4.7313	286.6	0.0308	100.7	
5	A0006356	5/2/2022	5/9/2022	34269.66	34435.07	9924.6	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9067.5	4.4278	5.0216	593.8	0.0655	98.5	
6	A0006348	5/9/2022	5/16/2022	34435.07	34604.42	10161.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9288.9	4.4124	4.7752	362.8	0.0391	100.8	
7	A0006340	5/16/2022	5/23/2022	34604.42	34771.54	10027.2	4.5	4.0	4.3	18.3	291.4	616.23	1.13	0.94	33.14	9408.7	4.5154	4.8712	355.8	0.0378	99.5	
8	A0006332	5/23/2022	5/31/2022	34771.54	34964.85	11598.6	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10567.0	4.5104	4.8374	327.0	0.0309	115.1	
9	A0006324	5/31/2022	6/6/2022	34964.85	35107.99	8588.4	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8032.5	4.4879	4.6511	163.2	0.0203	85.2	
10	A0006316	6/6/2022	6/13/2022	35107.99	35275.91	10075.2	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9061.0	4.6309	4.8980	267.1	0.0295	100.0	
11	A0006308	6/13/2022	6/20/2022	35275.91	35443.79	10072.8	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9111.4	4.6469	5.2051	558.2	0.0613	99.9	
12	A0008400	6/20/2022	6/27/2022	35443.79	35612.16	10102.2	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9464.5	4.5573	4.7580	200.7	0.0212	100.2	
13	A0008392	6/27/2022	7/5/2022	35612.16	35805.4	11594.4	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10496.6	4.5878	4.8470	259.2	0.0247	115.0	
						Totals	132414.6						14.41	12.00	423.84	122180.2	58.495	62.843	4347.9	0.4642		
						Averages	10185.7	4.2	4.0	4.1	17.5	290.7	617.43438	1.11	0.92	32.60	9398.5	4.500	4.834	334.5	0.0357	101.0
Comments:																						
Insert weekly flow check values in yellow columns.																						
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Insert filter weight values into orange columns.																						

BHV-6		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022					Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14										
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006387	4/4/2022	4/11/2022	6934.62	7099.63	9900.6	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9146.9	4.3972	4.5864	189.2	0.0207	98.2	
2	A0006379	4/11/2022	4/18/2022	7099.63	7267.62	10079.4	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9319.8	4.4402	4.8754	435.2	0.0467	100.0	
3	A0006371	4/18/2022	4/25/2022	7267.62	7436.64	10141.2	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9324.5	4.4227	4.6760	253.3	0.0272	100.6	
4	A0006363	4/25/2022	5/2/2022	7436.64	7605.8	10149.6	3.5	4.0	3.8	13.3	286.5	616.76	1.05	0.89	31.40	9024.6	4.4345	4.7284	293.9	0.0326	100.7	
5	A0006355	5/2/2022	5/9/2022	7605.8	7771.2	9924.0	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9066.9	4.4082	4.8307	422.5	0.0466	98.5	
6	A0006347	5/9/2022	5/16/2022	7771.2	7940.54	10160.4	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9288.3	4.4090	4.7342	325.2	0.0350	100.8	
7	A0006339	5/16/2022	5/23/2022	7940.54	8107.62	10024.8	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8834.4	4.5128	4.8732	360.4	0.0408	99.5	
8	A0006331	5/23/2022	5/30/2022	8107.62	8301.08	11607.6	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10575.2	4.5049	4.8515	346.6	0.0328	115.2	
9	A0006323	5/31/2022	6/6/2022	8301.08	8444.05	8578.2	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8022.9	4.4886	4.6174	128.8	0.0161	85.1	
10	A0006315	6/6/2022	6/13/2022	8444.05	8612	10077.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9062.6	4.6375	4.9130	275.5	0.0304	100.0	
11	A0006307	6/13/2022	6/20/2022	8612	8779.89	10073.4	4.0	4.0	4.0	22.7	295.8	617.73	1.10	0.90	31.94	9112.0	4.6406	5.1394	498.8	0.0547	99.9	
12	A0008399	6/20/2022	6/27/2022	8779.89	8948.22	10099.8	4.5	4.0	4.3	21.9	295.1	622.00	1.13	0.94	33.09	9462.3	4.5708	4.7537	182.9	0.0193	100.2	
13	A0008391	6/27/2022	7/5/2022	8948.22	9141.5	11596.8	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10498.7	4.5817	4.8263	244.6	0.0233	115.0	
						Totals	132412.8						14.24	11.86	418.79	120739.2	58.449	62.406	3956.9	0.4261		
						Averages	10185.6	4.0	4.0	4.0	17.5	290.7	617.43438	1.10	0.91	32.21	9287.6	4.496	4.800	304.4	0.0328	101.0
Comments:																						
Insert weekly flow check values in yellow columns.																						
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Insert filter weight values into orange columns.																						

BHV-7			Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022								Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)
1	A0006386	4/4/2022	4/11/2022	8232.46	8397.77	9918.6	3.5	4.0	3.8	10.5	283.7	617.98	1.05	0.89	31.59	8871.8	4.4190	4.7014	282.4	0.0318	98.4
2	A0006378	4/11/2022	4/18/2022	8397.77	8565.62	10071.0	4.0	4.0	4.0	8.8	282.0	615.32	1.08	0.92	32.65	9312.0	4.4303	5.1174	687.1	0.0738	99.9
3	A0006370	4/18/2022	4/25/2022	8565.62	8734.49	10132.2	4.5	4.0	4.3	12.4	285.6	616.18	1.12	0.95	33.47	9603.6	4.4329	4.8473	414.4	0.0432	100.5
4	A0006362	4/25/2022	5/2/2022	8734.49	8903.68	10151.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9323.0	4.4300	4.8500	420.0	0.0450	100.7
5	A0006354	5/2/2022	5/9/2022	8903.68	9069.09	9924.6	4.0	4.0	4.0	15.5	288.6	614.89	1.09	0.91	32.26	9067.5	4.4342	5.1234	689.2	0.0760	98.5
6	A0006346	5/9/2022	5/16/2022	9069.09	9238.63	10172.4	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9299.3	4.4269	4.9044	477.5	0.0513	100.9
7	A0006338	5/16/2022	5/23/2022	9238.63	9405.62	10019.4	4.0	4.0	4.0	18.3	291.4	616.23	1.10	0.91	32.14	9120.0	4.5004	4.9392	438.8	0.0481	99.4
8	A0006330	5/23/2022	5/31/2022	9405.62	9599.25	11617.8	4.5	4.0	4.3	17.5	290.7	615.73	1.13	0.94	33.17	10911.0	4.5005	4.9514	450.9	0.0413	115.3
9	A0006322	5/31/2022	6/6/2022	9599.25	9742.11	8571.6	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8016.8	4.5037	4.7142	210.5	0.0263	85.0
10	A0006314	6/6/2022	6/13/2022	9742.11	9910.39	10096.8	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9080.4	4.6220	5.0181	396.1	0.0436	100.2
11	A0006310	6/13/2022	6/20/2022	9910.39	10078	10056.6	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9377.4	4.6268	5.3640	737.2	0.0786	99.8
12	A0008398	6/20/2022	6/27/2022	10078	10246.12	10087.2	3.5	4.0	3.8	21.9	295.1	622.00	1.06	0.88	31.07	8875.8	4.5954	4.8598	264.4	0.0298	100.1
13	A000839	6/27/2022	7/5/2022	10246.12	10439.48	11601.6	4.0	4.0	4.0	23.9	297.0	621.26	1.10	0.91	31.97	10503.1	4.5913	4.9436	352.3	0.0335	115.1
Totals						132421.2							14.30	11.91	420.77	121361.7	58.513	64.334	5820.8	0.6224	
Averages						10186.2	4.1	4.0	4.0	17.5	290.7	617.43438	1.10	0.92	32.37	9335.5	4.501	4.949	447.8	0.0479	101.1
Comments:																					
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BHV-8		Energy Fuels Resources - White Mesa Mill Period: April 4, 2022 - July 5, 2022										Calibration Date: 8/9/2021 Calibration Slope & Intercept: m= 1.24975 b= 0.00338 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14					
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Time (min)	ΔH Starting Manometer (in. H ₂ O)	ΔH Stopping Manometer (in. H ₂ O)	ΔH Average Manometer (in. H ₂ O)	Ta Wkly. Avg. Temp. (°C)	Ta Wkly. Avg. Temp. (K)	Pa Wkly. Avg. Pressure (mmHg)	Qa Act. Flow (m ³ /min)	Qs Std. Flow (m ³ /min)	Qs Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	A0006385	4/4/2022	4/11/2022	31514.75	31680.01	9915.6	4.0	4.0	4.0	10.5	283.7	617.98	1.08	0.92	32.63	9160.8	4.4007	4.6142	213.5	0.0233	98.4	
2	A0006377	4/11/2022	4/18/2022	31680.01	31847.86	10071.0	4.5	4.0	4.3	8.8	282.0	615.32	1.11	0.95	33.66	9599.3	4.4115	4.9511	539.6	0.0562	99.9	
3	A0006369	4/18/2022	4/25/2022	31847.86	32016.71	10131.0	4.0	4.0	4.0	12.4	285.6	616.18	1.09	0.92	32.47	9315.1	4.4170	4.7385	321.5	0.0345	100.5	
4	A0006361	4/25/2022	5/2/2022	32016.71	32185.95	10154.4	4.0	4.0	4.0	13.3	286.5	616.76	1.09	0.92	32.43	9325.8	4.4158	4.8063	390.5	0.0419	100.7	
5	A0006353	5/2/2022	5/9/2022	32185.95	32351.34	9923.4	4.5	4.0	4.3	15.5	288.6	614.89	1.13	0.94	33.26	9346.1	4.4050	5.1794	774.4	0.0829	98.4	
4	A0006345	5/9/2022	5/16/2022	32351.34	32520.89	10173.0	4.0	4.0	4.0	16.8	289.9	618.41	1.09	0.91	32.28	9299.8	4.4065	4.8440	437.5	0.0470	100.9	
7	A0006337	5/16/2022	5/23/2022	32520.89	32687.83	10016.4	3.5	4.0	3.8	18.3	291.4	616.23	1.06	0.88	31.12	8827.0	4.5250	5.2005	675.5	0.0765	99.4	
8	A0006329	5/23/2022	5/31/2022	32687.83	32881.55	11623.2	4.0	4.0	4.0	17.5	290.7	615.73	1.10	0.91	32.17	10589.4	4.5151	5.0218	506.7	0.0478	115.3	
9	A0006321	5/31/2022	6/6/2022	32881.55	33024.35	8568.0	4.5	4.0	4.3	20.3	293.5	616.57	1.14	0.94	33.03	8013.4	4.5270	4.7908	263.8	0.0329	85.0	
10	A0006313	6/6/2022	6/13/2022	33024.35	33192.6	10095.0	4.0	4.0	4.0	26.1	299.2	617.60	1.11	0.90	31.76	9078.8	4.6320	5.4993	867.3	0.0955	100.1	
11	A0006305	6/13/2022	6/20/2022	33192.6	33360.24	10058.4	4.5	4.0	4.3	22.7	295.8	617.73	1.14	0.93	32.93	9379.1	4.6266	5.9565	1329.9	0.1418	99.8	
12	A0008397	6/20/2022	6/27/2022	33360.24	33528.32	10084.8	4.0	4.0	4.0	21.9	295.1	622.00	1.10	0.91	32.10	9165.5	4.5929	4.8000	207.1	0.0226	100.0	
13	A0008389	6/27/2022	7/5/2022	33528.32	33721.7	11602.8	3.5	4.0	3.8	23.9	297.0	621.26	1.07	0.88	30.95	10169.8	4.6083	4.9688	360.5	0.0354	115.1	
						Totals	132417.0						14.30	11.92	420.80	121269.8	58.483	65.371	6887.8	0.7385		
						Averages	10185.9	4.1	4.0	4.0	17.5	290.7	617.43438	1.10	0.92	32.37	9328.4	4.499	5.029	529.8	0.0568	101.1
Comments:																						
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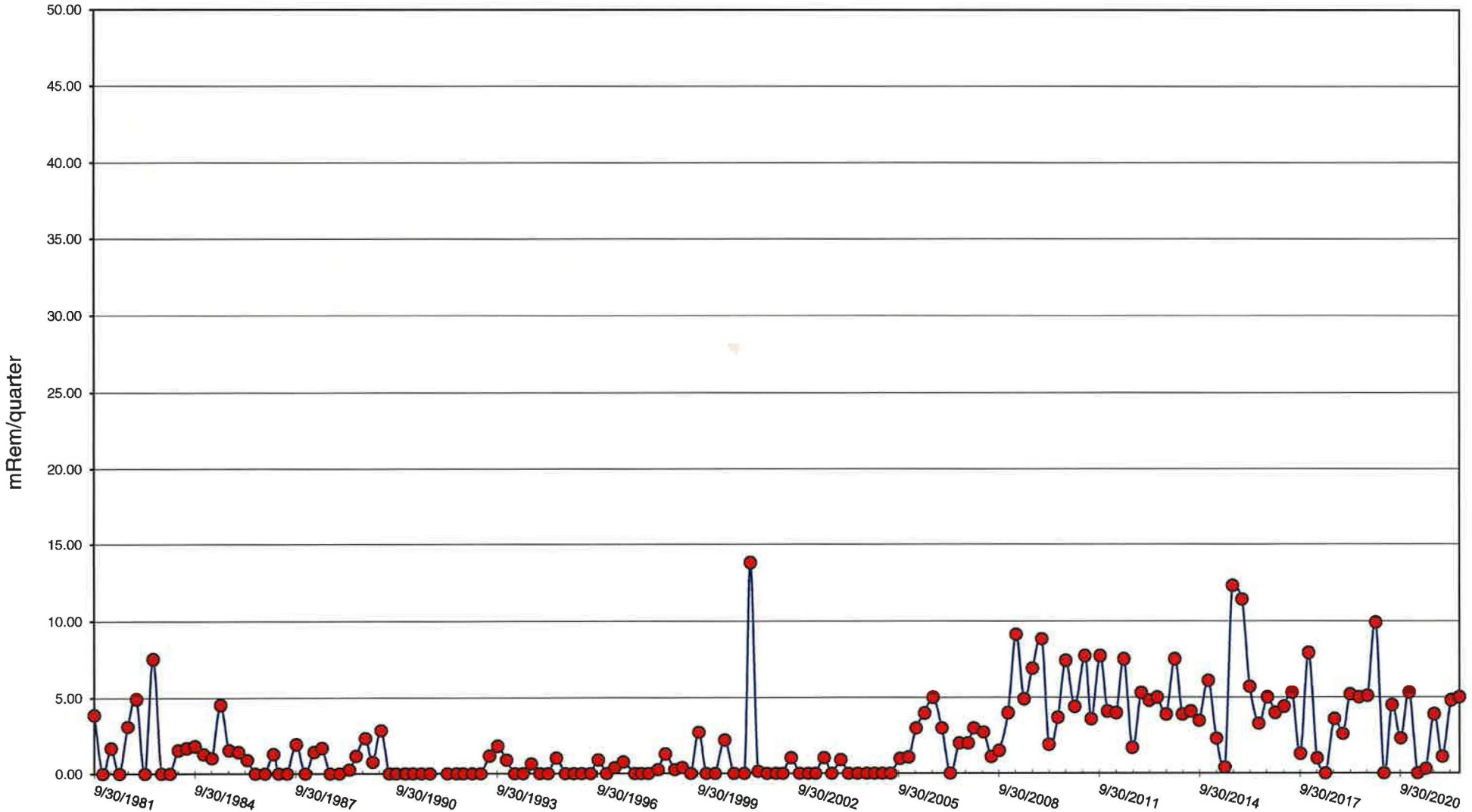
Period: April 4, 2022 - July 5, 2022

Week #	Filter Number	Start Date	Stop Date	Net
1	A0006384	04-Apr-22	11-Apr-22	4.4244
2	A0006376	11-Apr-22	18-Apr-22	4.4083
3	A0006368	18-Apr-22	25-Apr-22	4.3910
4	A0006360	25-Apr-22	02-May-22	4.4086
5	A0006352	02-May-22	09-May-22	4.4103
6	A0006344	09-May-22	16-May-22	4.4449
7	A0006336	16-May-22	23-May-22	4.5333
8	A0006328	23-May-22	31-May-22	4.5036
9	A0006320	31-May-22	06-Jun-22	4.5308
10	A0006312	06-Jun-22	13-Jun-22	4.6372
11	A0006304	13-Jun-22	20-Jun-22	4.5884
12	A0008396	20-Jun-22	27-Jun-22	4.5917
13	A0008388	27-Jun-22	05-Jul-22	4.6118
	Totals			

ATTACHMENT E

ENVIRONMENTAL GAMMA GRAPHS AND SUPPORTING DATA

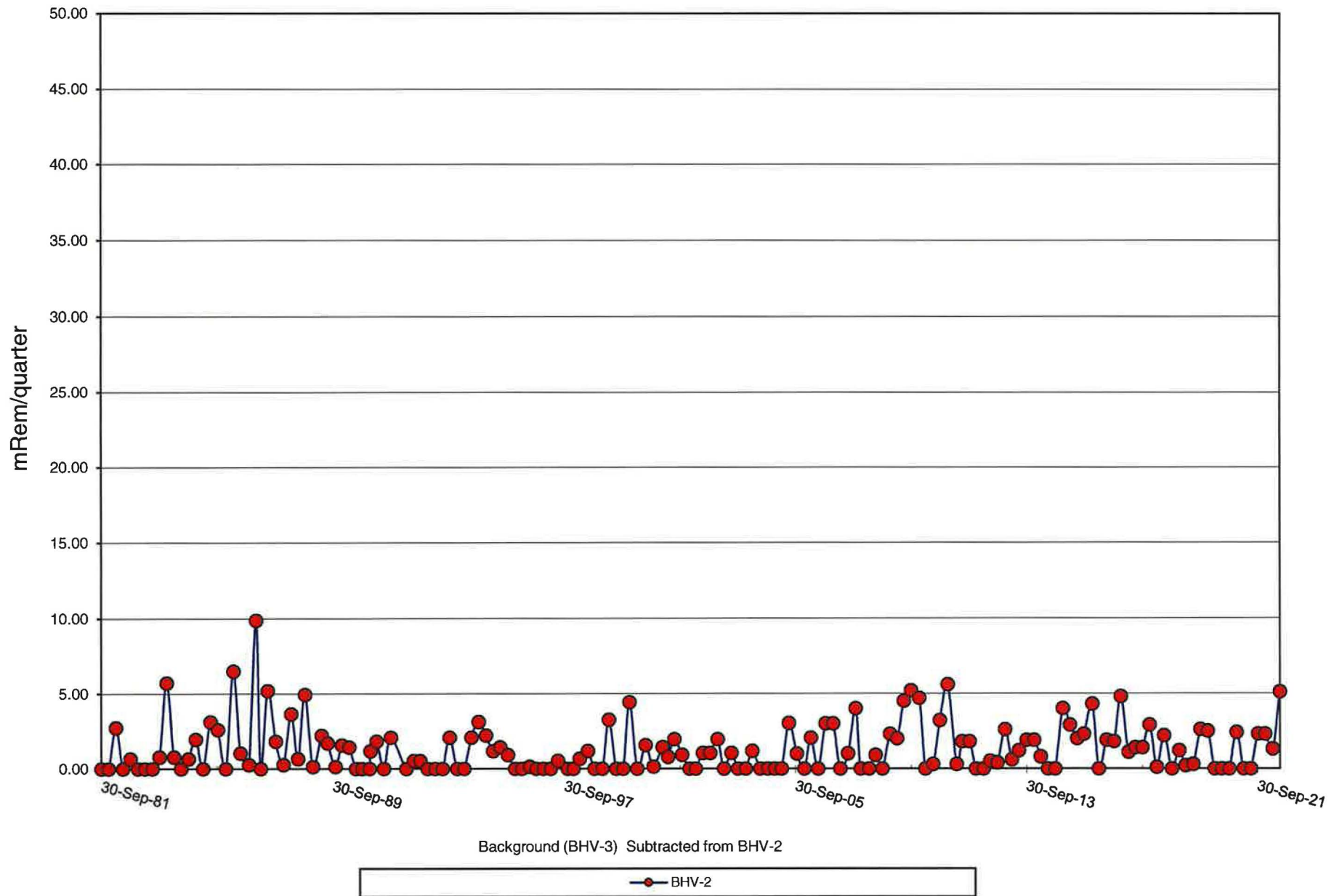
White Mesa Mill Ambient Gamma Levels Over Time BHV-1



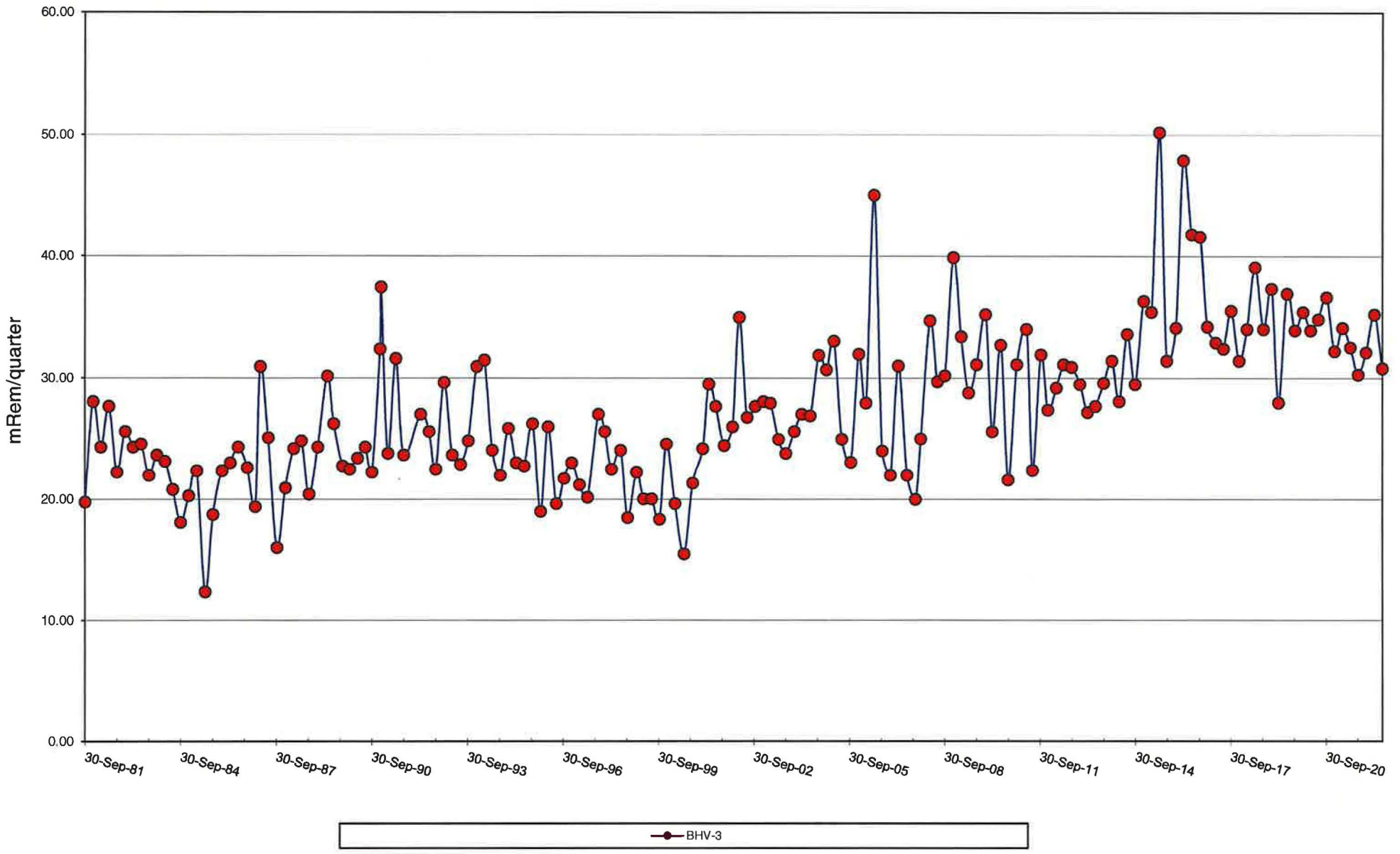
Background (BHV-3) Subtracted from BHV-1



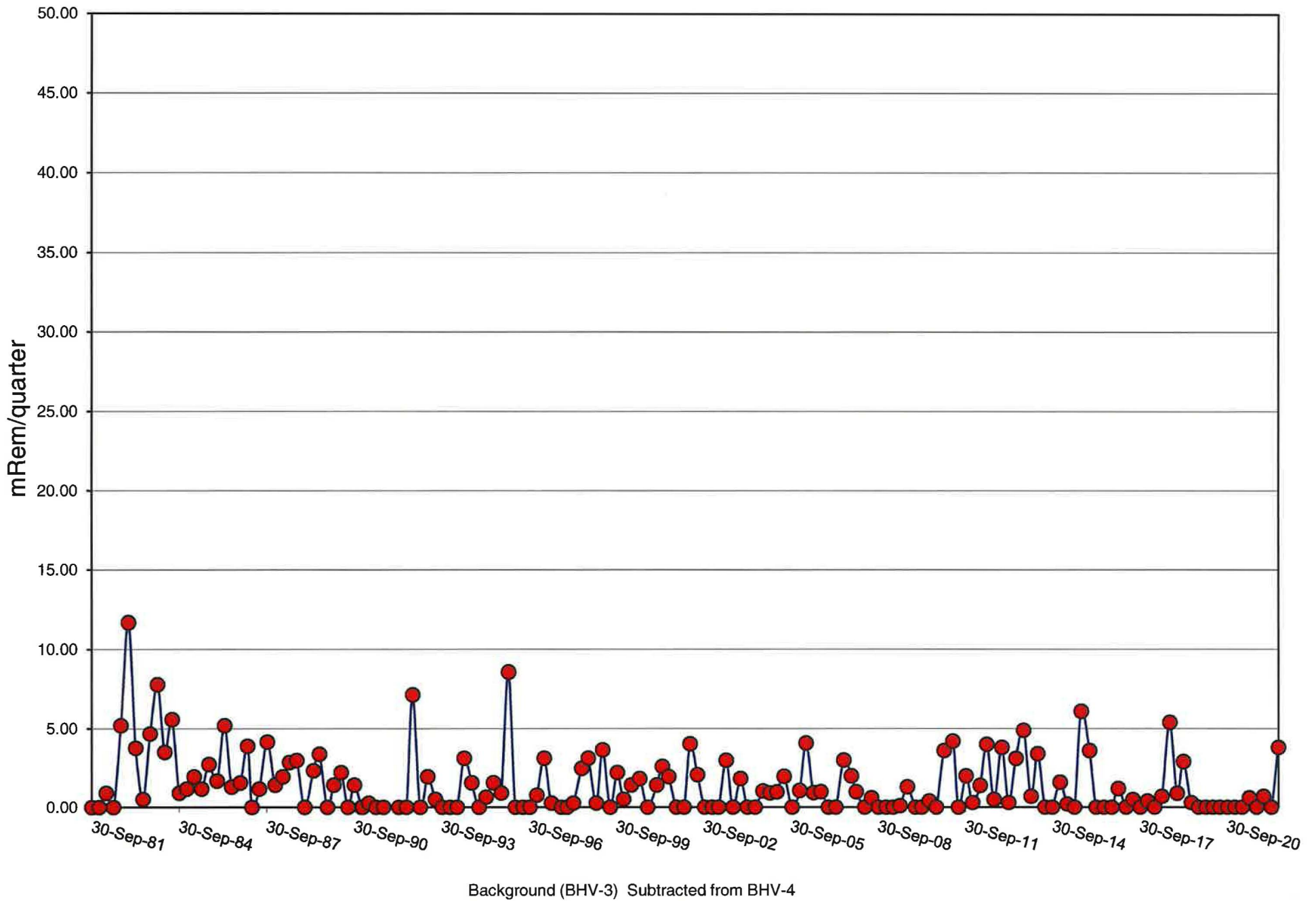
White Mesa Mill Ambient Gamma Levels Over Time BHV-2



White Mesa Mill Ambient Gamma Levels Over Time BHV-3



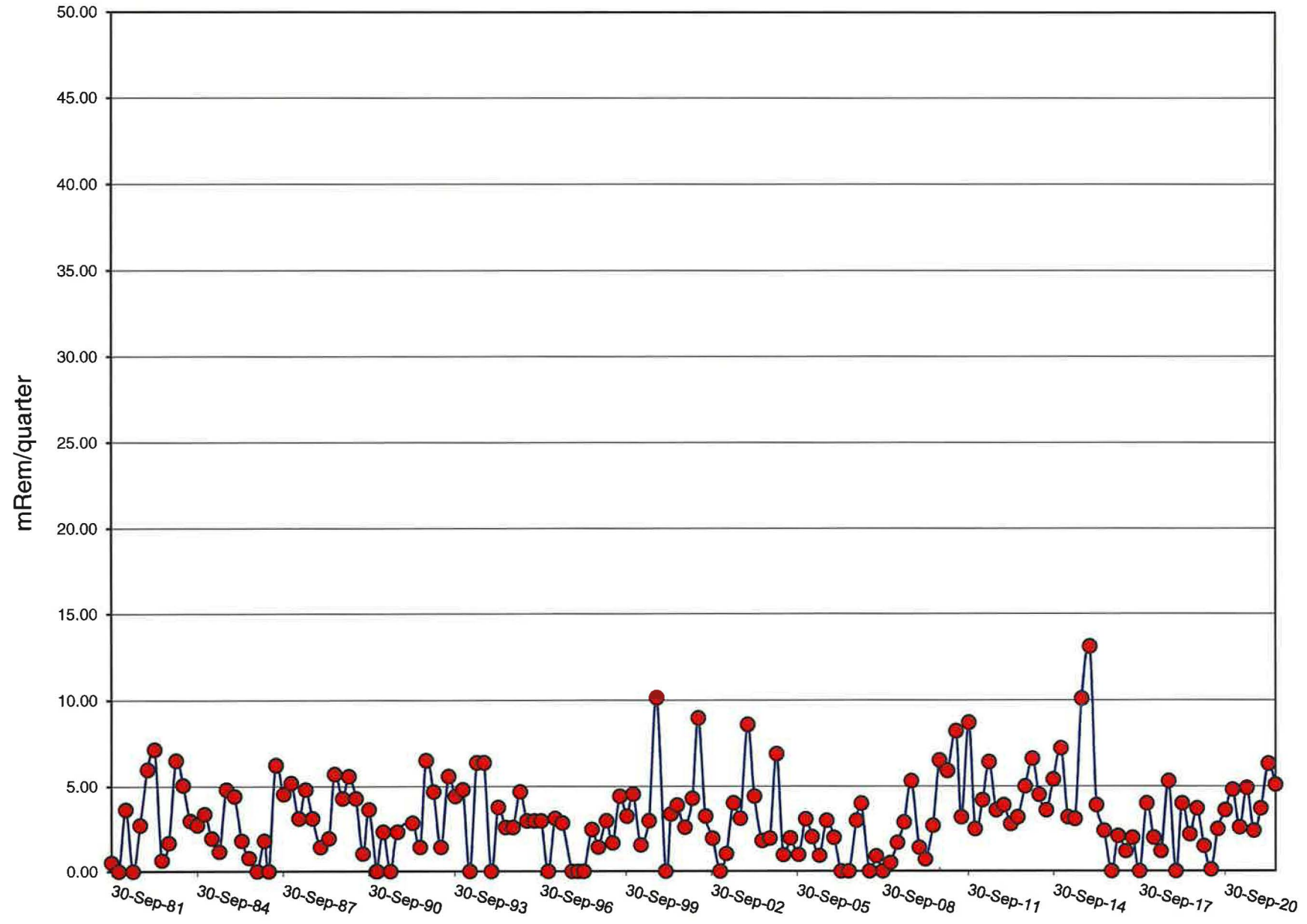
White Mesa Mill Ambient Gamma Levels Over Time BHV-4



Background (BHV-3) Subtracted from BHV-4



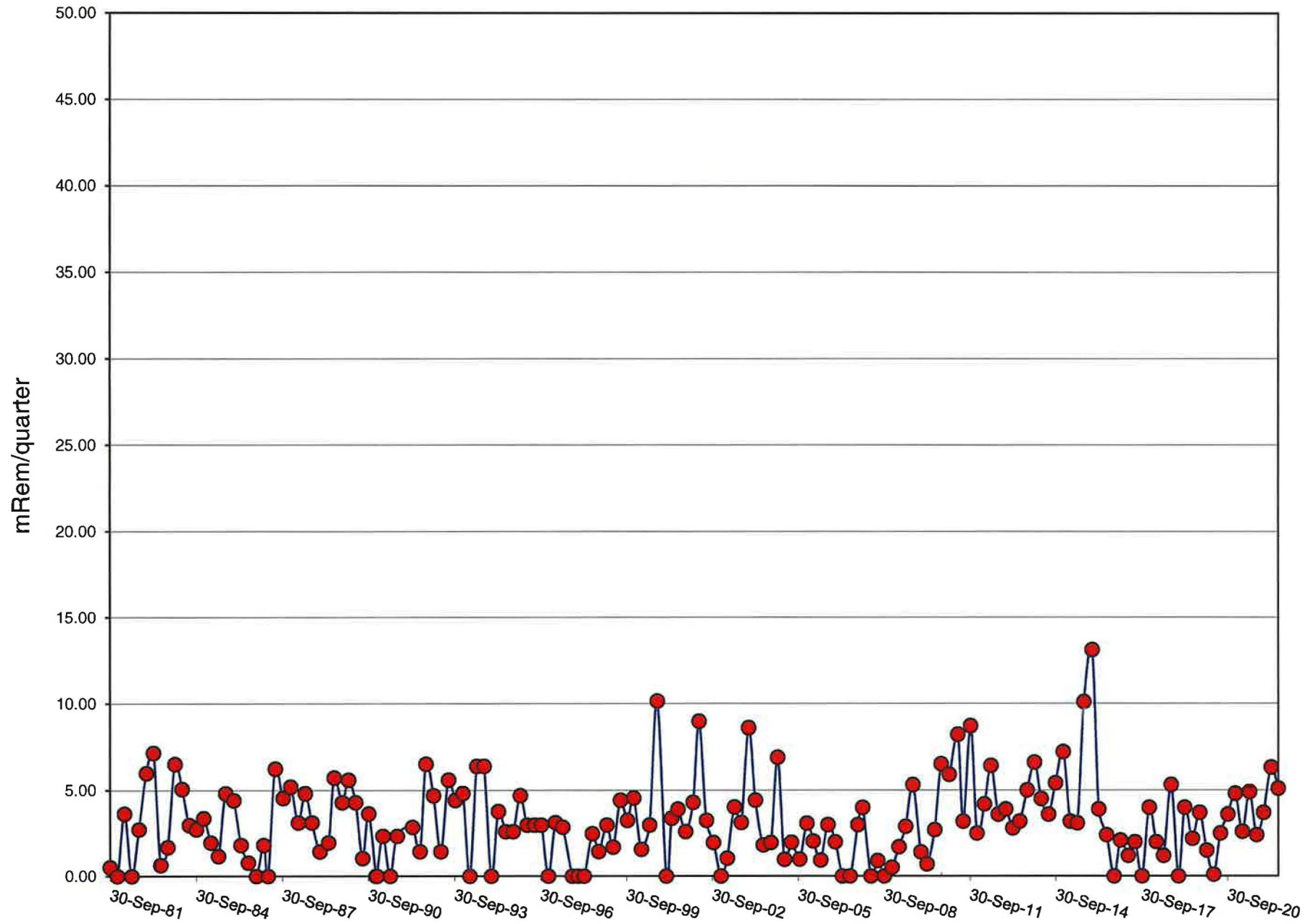
White Mesa Mill Ambient Gamma Levels Over Time BHV-5



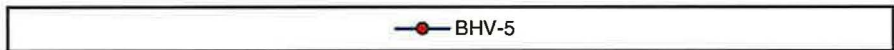
Background (BHV-3) Subtracted from BHV- 5



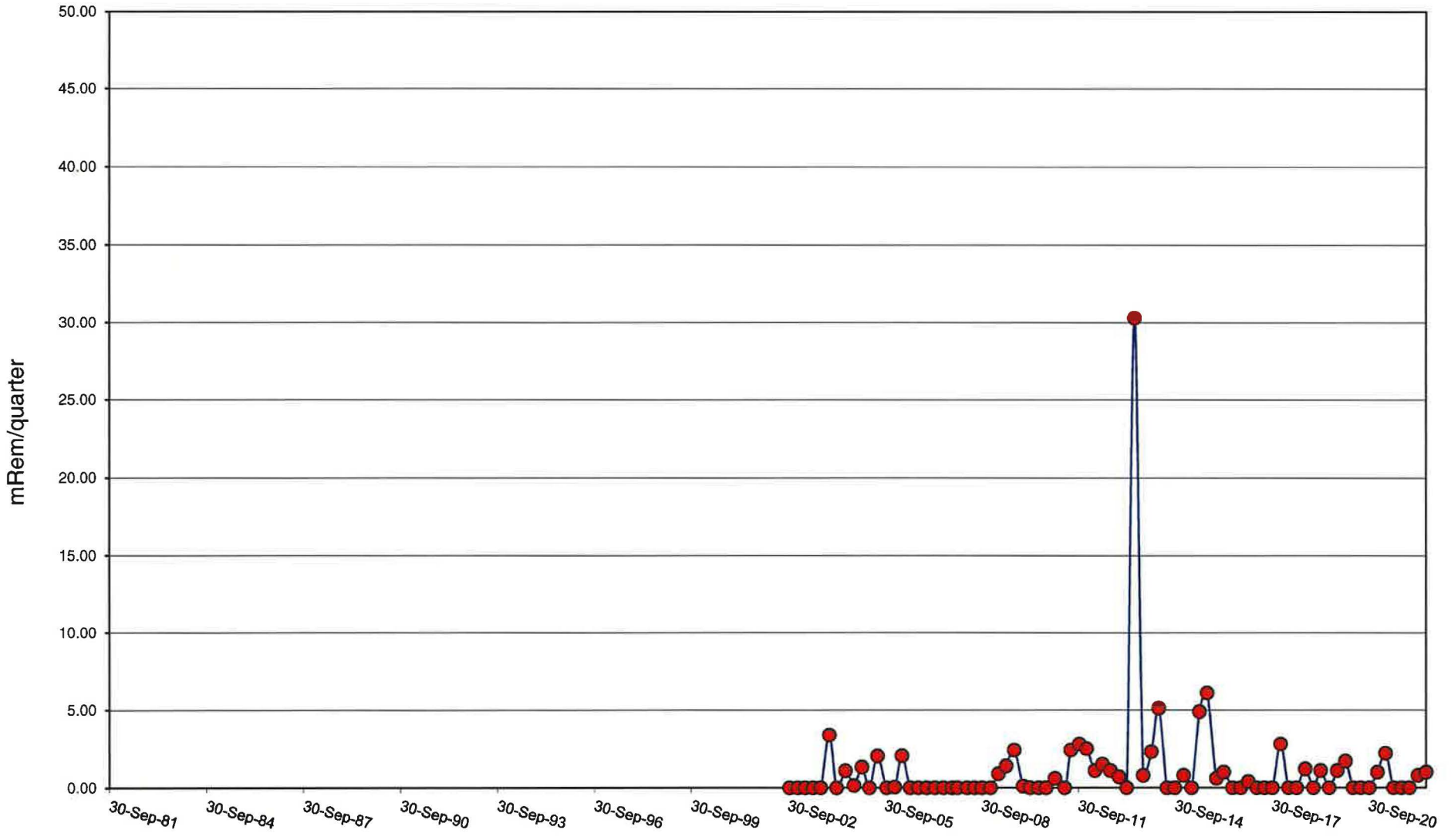
White Mesa Mill Ambient Gamma Levels Over Time BHV-5



Background (BHV-3) Subtracted from BHV- 5



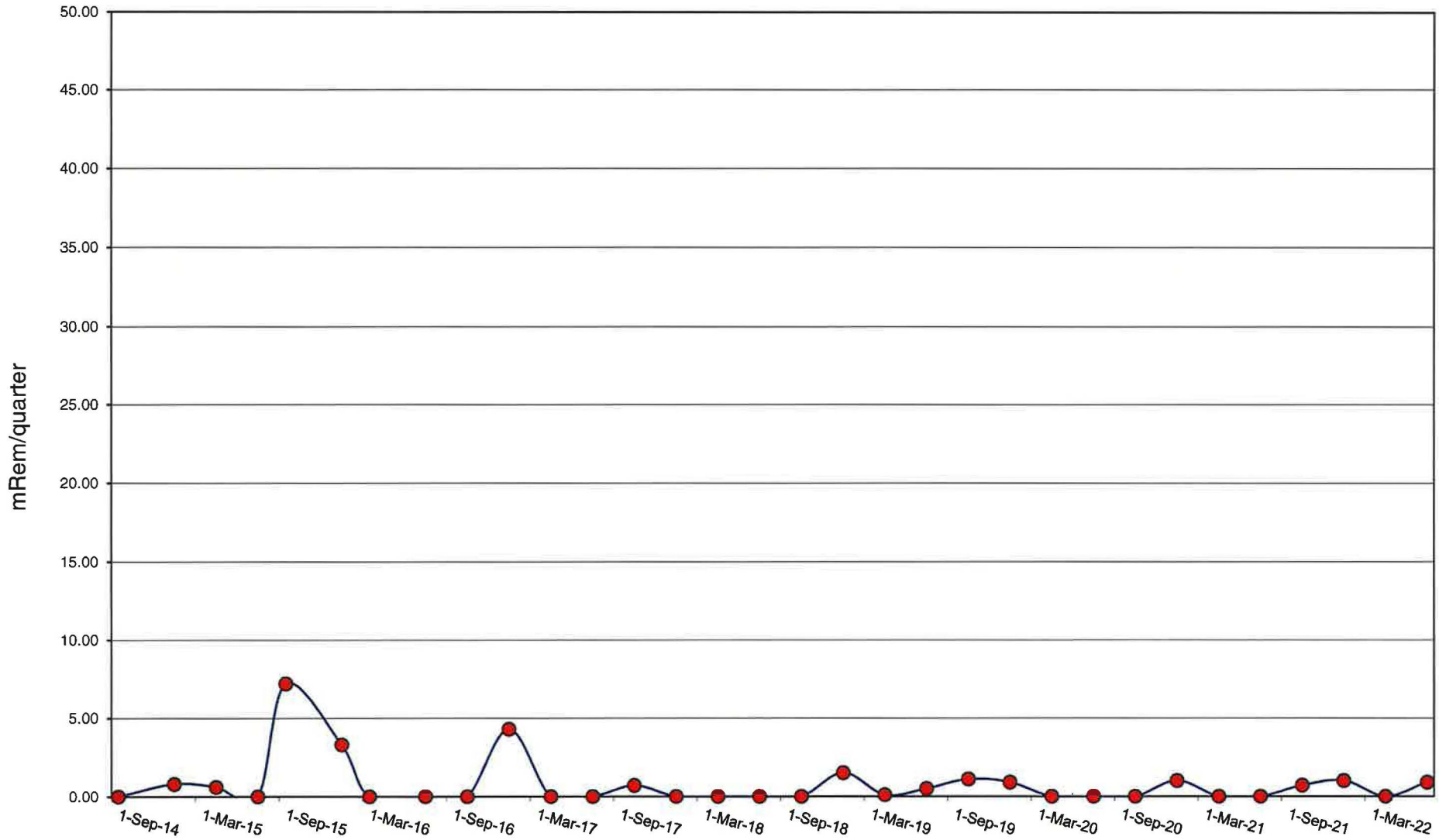
White Mesa Mill Ambient Gamma Levels Over Time BHV-6



Background (BHV-3) Subtracted from BHV- 6



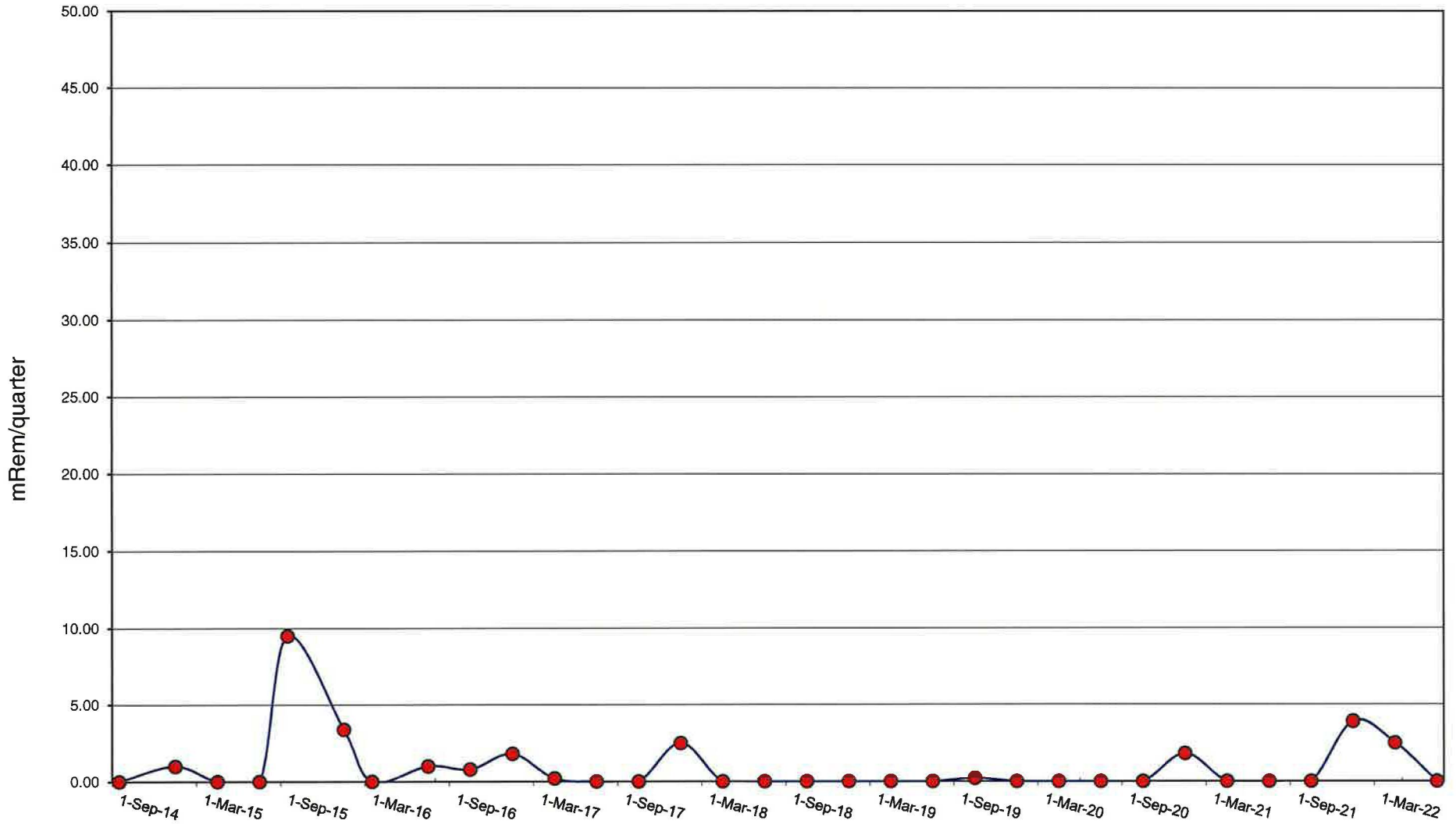
White Mesa Mill Ambient Gamma Levels Over Time BHV-7



Background (BHV-3) Subtracted from BHV-7



White Mesa Mill Ambient Gamma Levels Over Time BHV-8



Background (BHV-3) Subtracted from BHV- 8

BHV-8

White Mesa Mill First Quarter 2022 Environmental Spherical Gamma Monitor Results

Badge Number	Location	Date Issued	Date Exchanged	Total Days Badge at WMM	Mean	mRem / hour	mRem / Day	mRem / Week
					Ambient Dose Equivalent			
Control	Administration Vault	1/5/2022	4/12/2022	97	38.9	0.02	0.401	2.81
1	V2O5 Control Room	1/5/2022	4/12/2022	97	47.9	0.02	0.494	3.46
2	BHV-6	1/5/2022	4/12/2022	97	36	0.02	0.371	2.60
3	Ore Stor. - Barrel Area	1/5/2022	4/12/2022	97	326.4	0.14	3.365	23.55
4	Vanadium Precip.Area	1/5/2022	4/12/2022	97	107.2	0.05	1.105	7.74
5	Yellowcake Drying Area	1/5/2022	4/12/2022	97	470	0.20	4.845	33.92
6	Leach	1/5/2022	4/12/2022	97	283.8	0.12	2.926	20.48
7	SAG Mill Control Room	1/5/2022	4/12/2022	97	188.9	0.08	1.947	13.63
8	Yellowcake Precip.	1/5/2022	4/12/2022	97	144.8	0.06	1.493	10.45
9	Central Control Room	1/5/2022	4/12/2022	97	110.9	0.05	1.143	8.00
10	Ore pad - decontamination pad	1/5/2022	4/12/2022	97	112.3	0.05	1.158	8.10
11	North East Corner Ore Pad	1/5/2022	4/12/2022	97	221.8	0.10	2.287	16.01
12	Met. Lab	1/5/2022	4/12/2022	97	140.5	0.06	1.448	10.14
13	Filter Press Room	1/5/2022	4/12/2022	97	254.5	0.11	2.624	18.37
14	BHV-1	1/5/2022	4/12/2022	97	40	0.02	0.412	2.89
15	BHV-2	1/5/2022	4/12/2022	97	36.5	0.02	0.376	2.63
16	BHV-3	1/5/2022	4/12/2022	97	35.2	0.02	0.363	2.54
17	BHV-4	1/5/2022	4/12/2022	97	34.1	0.01	0.352	2.46
18	BHV-5	1/5/2022	4/12/2022	97	41.5	0.02	0.428	2.99
19	SAG Mill	1/5/2022	4/12/2022	97	339.3	0.15	3.498	24.49
20	Tails	1/5/2022	4/12/2022	97	60.4	0.03	0.623	4.36
21	CCD	1/5/2022	4/12/2022	97	75.4	0.03	0.777	5.44
22	North SX	1/5/2022	4/12/2022	97	136	0.06	1.402	9.81
23	Administration Building	1/5/2022	4/12/2022	97	42.5	0.02	0.438	3.07
24	Admin Parking Lot	1/5/2022	4/12/2022	97	75.1	0.03	0.774	5.42
25	Yellowcake Packaging	1/5/2022	4/12/2022	97	793.9	0.34	8.185	57.29
26	Yellowcake Storage	1/5/2022	4/12/2022	97	748	0.32	7.711	53.98
27	Bucking Room	1/5/2022	4/12/2022	97	135.5	0.06	1.397	9.78
28	Mill Lunch Room	1/5/2022	4/12/2022	97	56.4	0.02	0.581	4.07
29	South SX	1/5/2022	4/12/2022	97	79.4	0.03	0.819	5.73
30	Mtce. Super.'s Office	1/5/2022	4/12/2022	97	46.5	0.02	0.479	3.36
31	Ore Feed Grizzly	1/5/2022	4/12/2022	97	279.2	0.12	2.878	20.15
32	Scalehouse	1/5/2022	4/12/2022	97	197.6	0.08	2.037	14.26
33	Sample Plant (OBS)	1/5/2022	4/12/2022	97	106.8	0.05	1.101	7.71
34	Front Gate	1/5/2022	4/12/2022	97	183.2	0.08	1.889	13.22
45	AF - Barrel Dump Station	1/5/2022	4/12/2022	97	125	0.05	1.289	9.02
46	AF Circuit - South	1/5/2022	4/12/2022	97	57.6	0.02	0.594	4.16
47	AF Circuit - North	1/5/2022	4/12/2022	97	57.4	0.02	0.592	4.14
51	North Control # 1	1/5/2022	4/12/2022	97	44.2	0.02	0.456	3.19
52	North Control # 2	1/5/2022	4/12/2022	97	36.7	0.02	0.378	2.65
53	CaF2 Barrel Dump Station - Operator Station	1/5/2022	4/12/2022	97	105.9	0.05	1.092	7.64
64	KF Barrel Dump Station	1/5/2022	4/12/2022	97	94.8	0.04	0.977	6.84
70	BHV-7	1/5/2022	4/12/2022	97	34.5	0.01	0.356	2.49
71	BHV-8	1/5/2022	4/12/2022	97	37.7	0.02	0.389	2.72

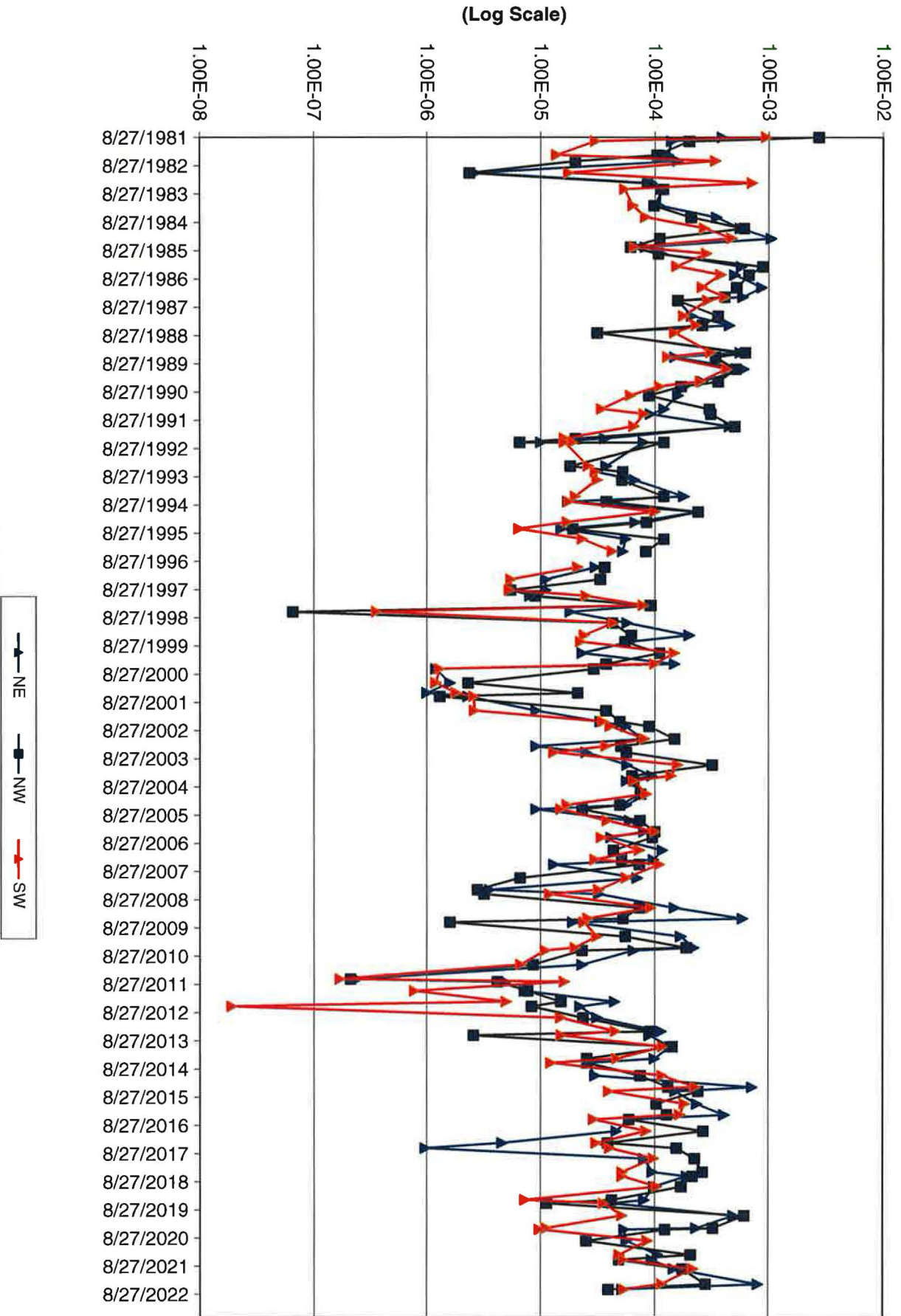
White Mesa Mill Second Quarter 2022 Environmental Spherical Gamma Monitor Results

Badge Number	Location	Date Issued	Date Exchanged	Total Days Badge at WMM	Mean Ambient	mRem / hour	mRem / Day	mRem / Week
					Dose Equivalent			
Control	Administration Vault	4/12/2022	7/12/2022	91	33.5	0.02	0.368	2.58
1	V2O5 Control Room	4/12/2022	7/12/2022	91	49.1	0.02	0.540	3.78
2	BHV-6	4/12/2022	7/12/2022	91	31.8	0.01	0.349	2.45
3	Ore Stor. - Barrel Area	4/12/2022	7/12/2022	91	307.9	0.14	3.384	23.68
4	Vanadium Precip.Area	4/12/2022	7/12/2022	91	125.4	0.06	1.378	9.65
5	Yellowcake Drying Area	4/12/2022	7/12/2022	91	703	0.32	7.725	54.08
6	Leach	4/12/2022	7/12/2022	91	402.6	0.18	4.424	30.97
7	SAG Mill Control Room	4/12/2022	7/12/2022	91	266.8	0.12	2.932	20.52
8	Yellowcake Precip.	4/12/2022	7/12/2022	91	127.2	0.06	1.398	9.78
9	Central Control Room	4/12/2022	7/12/2022	91	109.3	0.05	1.201	8.41
10	Ore pad - decontamination pad	4/12/2022	7/12/2022	91	105.5	0.05	1.159	8.12
11	North East Corner Ore Pad	4/12/2022	7/12/2022	91	268.2	0.12	2.947	20.63
12	Met. Lab	4/12/2022	7/12/2022	91	126.8	0.06	1.393	9.75
13	Filter Press Room	4/12/2022	7/12/2022	91	162.7	0.07	1.788	12.52
14	BHV-1	4/12/2022	7/12/2022	91	35.8	0.02	0.393	2.75
15	BHV-2	4/12/2022	7/12/2022	91	35.9	0.02	0.395	2.76
16	BHV-3	4/12/2022	7/12/2022	91	30.8	0.01	0.338	2.37
17	BHV-4	4/12/2022	7/12/2022	91	34.6	0.02	0.380	2.66
18	BHV-5	4/12/2022	7/12/2022	91	35.9	0.02	0.395	2.76
19	SAG Mill	4/12/2022	7/12/2022	91	407.2	0.19	4.475	31.32
20	Tails	4/12/2022	7/12/2022	91	76.7	0.04	0.843	5.90
21	CCD	4/12/2022	7/12/2022	91	109.7	0.05	1.205	8.44
22	North SX	4/12/2022	7/12/2022	91	146.1	0.07	1.605	11.24
23	Administration Building	4/12/2022	7/12/2022	91	38.5	0.02	0.423	2.96
24	Admin Parking Lot	4/12/2022	7/12/2022	91	79.4	0.04	0.873	6.11
25	Yellowcake Packaging	4/12/2022	7/12/2022	91	608.8	0.28	6.690	46.83
26	Yellowcake Storage	4/12/2022	7/12/2022	91	765	0.35	8.407	58.85
27	Bucking Room	4/12/2022	7/12/2022	91	115.9	0.05	1.274	8.92
28	Mill Lunch Room	4/12/2022	7/12/2022	91	46.9	0.02	0.515	3.61
29	South SX	4/12/2022	7/12/2022	91	83.9	0.04	0.922	6.45
30	Mtce. Super.'s Office	4/12/2022	7/12/2022	91	47.3	0.02	0.520	3.64
31	Ore Feed Grizzly	4/12/2022	7/12/2022	91	276.5	0.13	3.038	21.27
32	Scalehouse	4/12/2022	7/12/2022	91	211	0.10	2.319	16.23
33	Sample Plant (OBS)	4/12/2022	7/12/2022	91	128.2	0.06	1.409	9.86
34	Front Gate	4/12/2022	7/12/2022	91	194	0.09	2.132	14.92
45	AF - Barrel Dump Station	4/12/2022	7/12/2022	91	116	0.05	1.275	8.92
46	AF Circuit - South	4/12/2022	7/12/2022	91	52.6	0.02	0.578	4.05
47	AF Circuit - North	4/12/2022	7/12/2022	91	128	0.06	1.407	9.85
51	North Control # 1	4/12/2022	7/12/2022	91	42.4	0.02	0.466	3.26
52	North Control # 2	4/12/2022	7/12/2022	91	36.2	0.02	0.398	2.78
53	CaF2 Barrel Dump Station - Operator Station	4/12/2022	7/12/2022	91	110.8	0.05	1.218	8.52
64	KF Barrel Dump Station	4/12/2022	7/12/2022	91	110.2	0.05	1.211	8.48
70	BHV-7	4/12/2022	7/12/2022	91	31.7	0.01	0.348	2.44
71	BHV-8	4/12/2022	7/12/2022	91	30.3	0.01	0.333	2.33

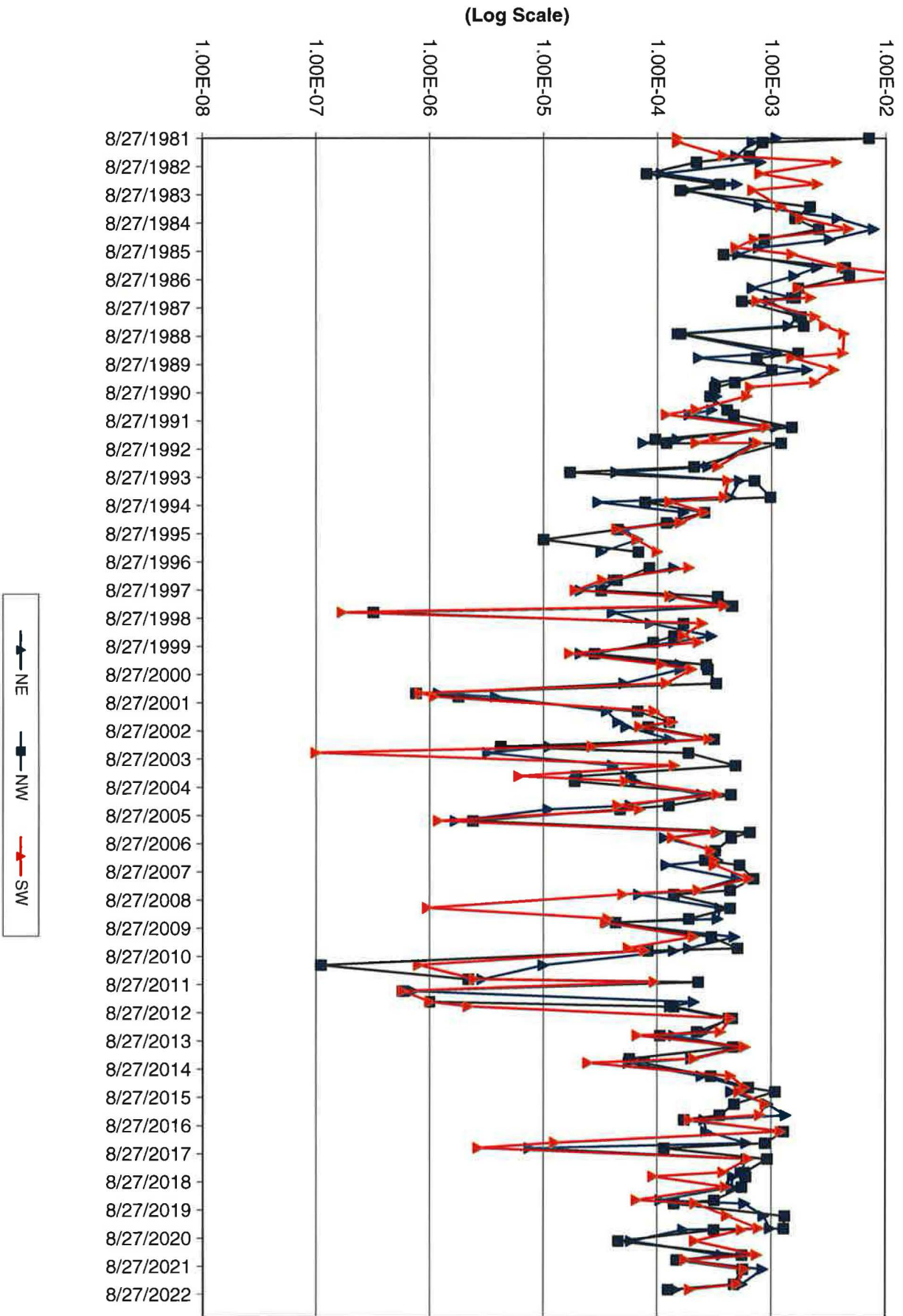
ATTACHMENT F

VEGETATION GRAPHS, DATA TABLE, LABORATORY RESULTS AND QA/QC

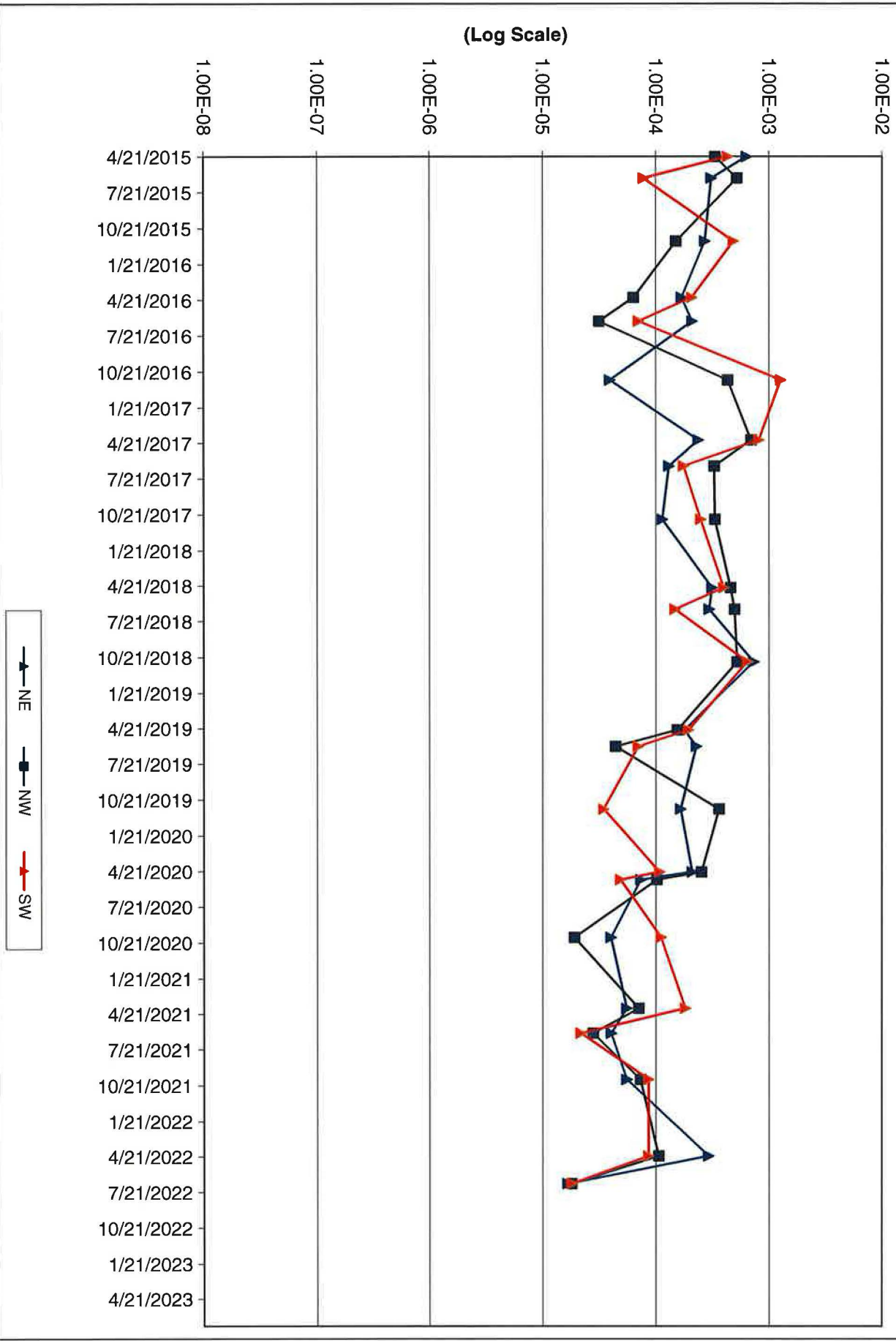
Ra-226 Concentrations in Vegetation (uCi/Kg)



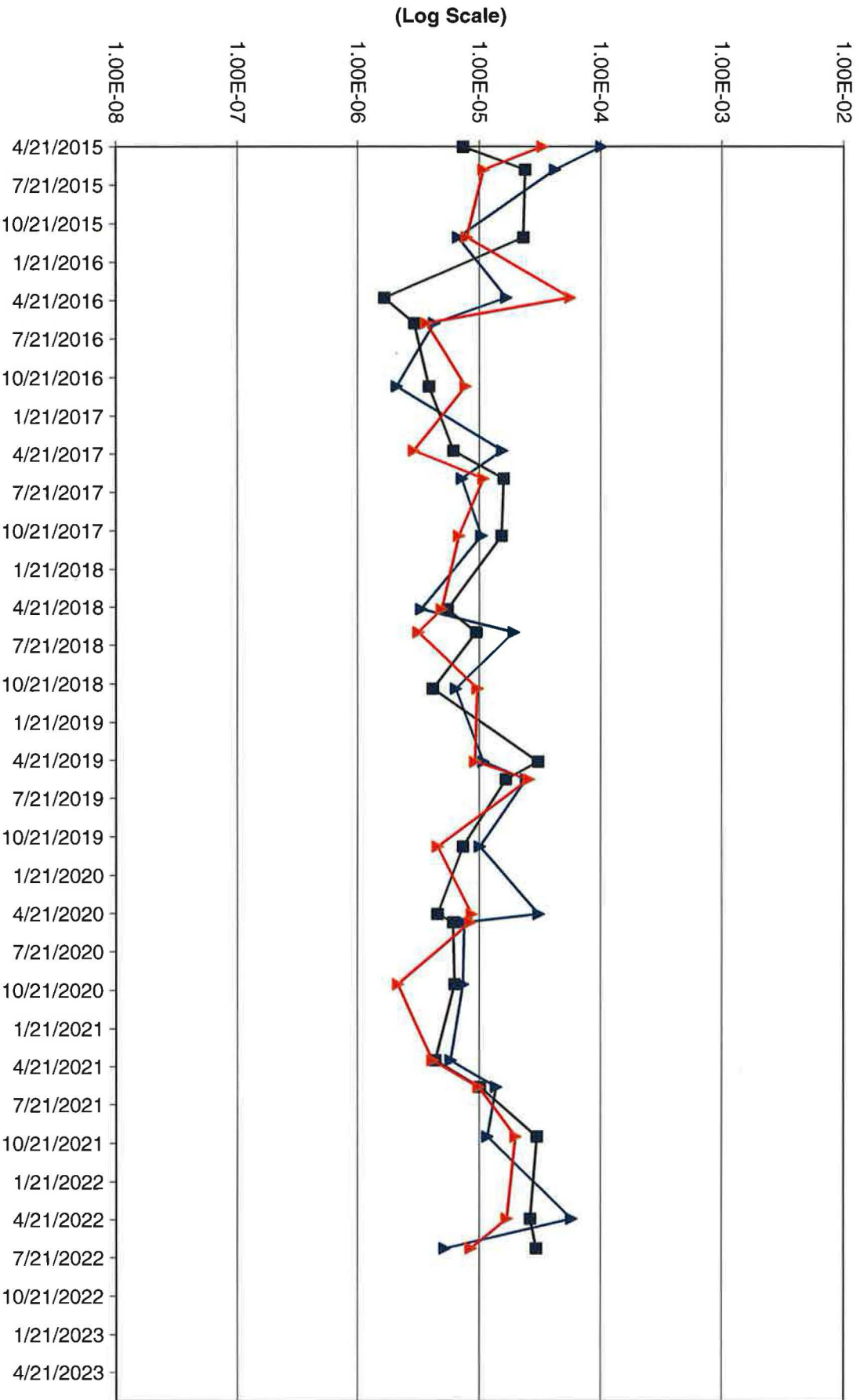
Pb-210 Concentrations In Vegetation (uCi/Kg)



U-NAT Concentrations In Vegetation (uCi/Kg)



TH-232 Concentrations In Vegetation (uCi/Kg)



NE NW SW

WHITE MESA MILL
 FORAGE RADIONUCLIDE DATA
 NORTHEAST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226		MDC☿		Pb-210		MDC☿		U-NAT		MDC☿		Th-232	
		VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (5.0E-08)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (1.0E-06)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)†		
3rd '81	27-Aug-81	3.90E-04	1.00E-05	5.00E-08	1.10E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA		
4th '81	20-Oct-81	1.40E-04	1.00E-05	5.00E-08	6.80E-04	8.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
2nd '82	15-Apr-82	1.31E-04	1.30E-05	1.00E-06	4.90E-04	7.00E-05	8.00E-05	NS	NA	NA	NS	NA	NA		
3rd '82	01-Jul-82	1.60E-04	1.60E-05	5.00E-08	8.00E-04	8.00E-04	1.70E-04	NS	NA	NA	NS	NA	NA		
4th '82	30-Nov-82	2.67E-06	1.07E-06	1.00E-06	1.08E-04	9.00E-06	1.00E-05	NS	NA	NA	NS	NA	NA		
2nd '83	13-Apr-83	9.36E-05	6.20E-06	8.00E-09	4.97E-04	9.30E-05	1.00E-04	NS	NA	NA	NS	NA	NA		
3rd '83	01-Jul-83	1.12E-04	1.20E-05	6.00E-06	1.84E-04	1.20E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
4th '83	30-Jan-84	1.09E-04	8.00E-06	4.00E-06	7.80E-04	6.20E-05	6.00E-05	NS	NA	NA	NS	NA	NA		
2nd '84	28-Jun-84	3.47E-04	1.20E-05	2.00E-09	3.75E-03	1.60E-04	4.00E-08	NS	NA	NA	NS	NA	NA		
4th '84	14-Nov-84	5.61E-04	1.99E-04	2.00E-07	7.82E-03	3.30E-04	7.00E-08	NS	NA	NA	NS	NA	NA		
2nd '85	27-Mar-85	1.05E-03	3.00E-05	2.00E-06	3.22E-03	1.40E-04	2.00E-05	NS	NA	NA	NS	NA	NA		
3rd '85	15-Jul-85	8.20E-05	7.00E-06	3.00E-06	7.70E-04	1.30E-04	2.00E-04	NS	NA	NA	NS	NA	NA		
4th '85	09-Oct-85	1.15E-04	1.00E-05	3.00E-06	5.10E-04	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA		
2nd '86	24-Mar-86	5.72E-04	2.10E-05	4.00E-06	2.49E-03	1.00E-04	1.00E-05	NS	NA	NA	NS	NA	NA		
3rd '86	10-Jul-86	5.01E-04	1.30E-05	3.00E-06	1.57E-03	1.70E-03	2.00E-04	NS	NA	NA	NS	NA	NA		
4th '86	18-Dec-86	8.70E-04	5.00E-05	3.00E-06	6.80E-04	3.00E-05	3.00E-06	NS	NA	NA	NS	NA	NA		
2nd '87	20-Apr-87	5.90E-04	7.00E-05	5.00E-08	1.50E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA		
3rd '87	05-Jun-87	1.60E-04	3.00E-05	5.00E-08	9.50E-04	4.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
4th '87	22-Dec-87	2.10E-04	4.00E-05	5.00E-08	1.70E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA		
2nd '88	19-Apr-88	4.50E-04	7.00E-05	5.00E-08	1.40E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA		
3rd '88	28-Jul-88	3.20E-05	2.20E-05	5.00E-08	1.50E-04	4.40E-04	1.00E-06	NS	NA	NA	NS	NA	NA		
2nd '89	07-Apr-89	5.60E-04	4.00E-05	***	1.10E-03	1.00E-01	***	NS	NA	NA	NS	NA	NA		
3rd '89	06-Jun-89	1.50E-04	2.00E-05	***	2.30E-04	2.00E-05	***	NS	NA	NA	NS	NA	NA		
4th '89	07-Nov-89	6.00E-04	5.00E-05	7.00E-06	2.04E-03	7.00E-05	1.40E-05	NS	NA	NA	NS	NA	NA		
1st '90	17-Apr-90	2.60E-04	3.00E-05	4.00E-06	3.30E-04	2.00E-05	2.20E-05	NS	NA	NA	NS	NA	NA		
2nd '90	20-Jun-90	1.80E-04	2.00E-05	5.00E-08	3.20E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
3rd '90	17-Oct-90	1.60E-04	2.00E-05	5.00E-08	3.30E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
1st '91	10-Apr-91	1.20E-04	2.00E-05	5.00E-06	3.00E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
2nd '91	11-Jun-91	9.10E-05	1.60E-05	2.00E-07	1.90E-04	2.00E-05	2.00E-07	NS	NA	NA	NS	NA	NA		
3rd '91	20-Nov-91	4.50E-04	4.00E-05	5.00E-08	1.09E-03	5.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
1st '92	22-Apr-92	3.60E-05	1.00E-05	2.00E-06	1.50E-04	2.00E-05	1.00E-05	NS	NA	NA	NS	NA	NA		
2nd '92	10-Jun-92	1.00E-05	7.00E-06	2.00E-07	7.50E-05	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA		
3rd '92	10-Jun-92	7.90E-05	3.50E-05	3.00E-06	7.10E-04	7.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA		
1st '93	13-Apr-93	3.70E-05	2.20E-05	3.00E-06	2.80E-04	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA		
2nd '93	26-Jun-93	3.00E-05	1.50E-05	3.00E-06	4.30E-05	3.50E-05	2.00E-05	NS	NA	NA	NS	NA	NA		
3rd '93	12-Oct-93	6.60E-05	2.70E-05	3.00E-06	5.30E-04	6.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA		
1st '94	11-May-94	1.80E-04	4.00E-05	3.00E-05	4.40E-04	6.00E-05	2.00E-04	NS	NA	NA	NS	NA	NA		
2nd '94	19-Jul-94	1.71E-05	1.20E-06	9.00E-08	3.00E-05	6.10E-06	4.45E-06	NS	NA	NA	NS	NA	NA		
3rd '94	28-Nov-94	2.40E-04	1.50E-05	1.70E-07	1.70E-04	1.10E-05	8.30E-07	NS	NA	NA	NS	NA	NA		
1st '95	11-Apr-95	6.70E-05	5.40E-06	1.60E-07	1.40E-04	1.30E-05	7.90E-07	NS	NA	NA	NS	NA	NA		
2nd '95	06-Jul-95	1.50E-05	1.50E-06	1.50E-07	5.10E-05	4.50E-06	7.60E-07	NS	NA	NA	NS	NA	NA		
3rd '95	15-Nov-95	5.50E-05	5.00E-06	1.80E-07	6.70E-05	1.00E-05	8.80E-07	NS	NA	NA	NS	NA	NA		
1st '96	23-Apr-96	5.20E-05	2.50E-06	1.50E-07	3.20E-05	4.50E-06	1.80E-07	NS	NA	NA	NS	NA	NA		
2nd '96 *	31-Jul-96							NS	NA	NA	NS	NA	NA		
3rd '96	14-Nov-96	3.00E-05	2.50E-06	1.80E-07	1.40E-04	7.10E-06	9.30E-07	NS	NA	NA	NS	NA	NA		
1st '97	21-Apr-97	1.10E-05	4.70E-07	1.21E-07	4.10E-05	3.60E-06	6.10E-07	NS	NA	NA	NS	NA	NA		
3rd '97	05-Sep-97	1.10E-05	4.30E-07	1.33E-07	2.10E-05	7.30E-07	6.66E-07	NS	NA	NA	NS	NA	NA		
4th '97	20-Nov-97	8.00E-06	1.20E-06	5.60E-07	1.40E-04	4.60E-06	1.10E-07	NS	NA	NA	NS	NA	NA		
1st '98	23-Mar-98	<9.10E-05	9.10E-05	9.10E-05	<4.50E-04	4.50E-04	4.50E-04	NS	NA	NA	NS	NA	NA		
2nd '98	16-Jun-98	1.80E-05	1.20E-06	6.30E-08	4.00E-05	1.80E-06	3.20E-07	NS	NA	NA	NS	NA	NA		
4th '98	05-Nov-98	5.70E-05	1.00E-06	8.20E-08	8.70E-05	5.00E-06	4.10E-07	NS	NA	NA	NS	NA	NA		
2nd '99	15-Apr-99	2.00E-04	3.00E-06	1.20E-07	3.00E-04	1.00E-05	6.00E-05	NS	NA	NA	NS	NA	NA		
3rd '99	07-Jul-99	6.03E-05	1.40E-06	8.30E-08	1.40E-04	4.70E-06	4.20E-07	NS	NA	NA	NS	NA	NA		
4th '99	02-Dec-99	2.30E-05	1.00E-06	2.30E-07	2.10E-05	1.00E-06	1.10E-06	NS	NA	NA	NS	NA	NA		
2nd '00	21-Apr-00	1.50E-04	3.00E-06	1.20E-07	1.60E-04	8.00E-06	5.90E-07	NS	NA	NA	NS	NA	NA		
2nd '00	22-Jun-00	1.20E-06	1.00E-07	2.80E-07	1.60E-04	1.00E-05	1.40E-06	NS	NA	NA	NS	NA	NA		
4th '00	21-Dec-00	1.60E-06	1.10E-06	3.70E-07	5.10E-05	5.00E-06	1.90E-06	NS	NA	NA	NS	NA	NA		
1st '01	30-Apr-01	1.00E-06	1.00E-07	2.40E-07	<1.2E-06	1.00E-07	2.40E-07	NS	NA	NA	NS	NA	NA		
2nd '01	14-Jun-01	2.30E-06	2.00E-07	9.90E-08	3.80E-06	2.00E-07	5.00E-07	NS	NA	NA	NS	NA	NA		
4th '01	17-Dec-01	9.10E-06	2.40E-06	1.20E-07	3.57E-05	2.97E-06	6.00E-07	NS	NA	NA	NS	NA	NA		
1st '02	07-May-02	3.30E-05	1.80E-06	7.60E-07	4.50E-05	2.61E-06	1.00E-05	NS	NA	NA	NS	NA	NA		
2nd '02	07-Jul-02	5.55E-05	2.81E-06	7.60E-07	5.31E-05	3.90E-06	1.00E-05	NS	NA	NA	NS	NA	NA		
4th '02	15-Dec-02	7.75E-05	3.60E-06	7.60E-07	1.29E-04	6.15E-06	1.00E-05	NS	NA	NA	NS	NA	NA		

WHITE MESA MILL
 FORAGE RADIONUCLIDE DATA
 NORTHEAST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226 VALUE (uCi/Kg)	Ra-226 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (5.0E-08)	Pb-210 VALUE (uCi/Kg)	Pb-210 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (1.0E-06)	U-NAT VALUE (uCi/Kg)	U-NAT ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (2.0E-07)	Th-232 VALUE (uCi/Kg)	Th-232 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (2.0E-07)†
1st '03	21-Mar-03	9.10E-06	1.30E-06	3.60E-07	1.13E-05	1.61E-06	3.36E-06	NS	NA	NA	NS	NA	NA
2nd '03	10-Jun-03	2.50E-05	1.30E-06	3.60E-07	3.26E-06	2.00E-06	7.38E-08	NS	NA	NA	NS	NA	NA
4th '03	20-Nov-03	5.70E-05	3.50E-06	1.50E-07	4.05E-05	5.82E-06	8.30E-07	NS	NA	NA	NS	NA	NA
1st '04	08-Apr-04	9.38E-05	3.70E-06	1.10E-07	5.88E-05	3.00E-06	5.50E-07	NS	NA	NA	NS	NA	NA
2nd '04	12-Jun-04	5.63E-05	3.40E-06	1.80E-07	6.42E-05	5.90E-06	9.00E-07	NS	NA	NA	NS	NA	NA
4th '04	30-Nov-04	8.41E-05	5.50E-06	2.00E-08	2.48E-04	1.40E-05	3.00E-07	NS	NA	NA	NS	NA	NA
1st '05	21-Apr-05	5.60E-05	3.00E-06	1.40E-07	5.80E-05	4.00E-06	6.90E-07	NS	NA	NA	NS	NA	NA
2nd '05	13-Jun-05	9.10E-06	1.50E-06	1.80E-07	1.10E-05	1.20E-05	9.00E-07	NS	NA	NA	NS	NA	NA
4th '05	10-Nov-05	6.00E-05	3.00E-06	1.10E-10	1.70E-06	6.40E-07	5.50E-10	NS	NA	NA	NS	NA	NA
1st '06	03-Apr-06	8.00E-05	5.00E-06	5.00E-08	3.40E-04	1.20E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '06	16-Jun-06	4.10E-05	3.10E-06	5.00E-08	1.16E-04	6.10E-06	1.00E-06	NS	NA	NA	NS	NA	NA
4th '06	28-Nov-06	1.17E-04	4.60E-06	1.90E-07	3.28E-04	9.50E-06	9.50E-07	NS	NA	NA	NS	NA	NA
1st '07	30-Mar-07	9.70E-05	4.40E-06	1.90E-07	3.40E-04	8.70E-06	8.4E-07	NS	NA	NA	NS	NA	NA
2nd '07	1-Jun-07	1.30E-05	1.60E-06	1.90E-07	1.20E-04	6.60E-06	9.70E-07	NS	NA	NA	NS	NA	NA
4th '07	23-Nov-07	7.00E-05	8.20E-06	2.00E-07	5.00E-04	2.00E-05	1.20E-06	NS	NA	NA	NS	NA	NA
1st '08	22-Apr-08	3.60E-06	3.00E-06	5.20E-07	2.30E-04	1.40E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '08	18-Jun-08	3.20E-05	3.20E-06	1.80E-06	6.90E-05	3.50E-05	5.50E-05	NS	NA	NA	NS	NA	NA
4th '08	12-Dec-08	1.50E-04	5.20E-06	9.90E-07	3.60E-04	2.90E-05	3.90E-05	NS	NA	NA	NS	NA	NA
1st '09	28-Apr-09	5.90E-04	1.35E-05	1.50E-06	3.40E-04	1.30E-05	1.50E-06	NS	NA	NA	NS	NA	NA
2nd '09	17-Jun-09	1.90E-05	1.45E-06	4.90E-07	3.60E-05	1.10E-05	1.80E-05	NS	NA	NA	NS	NA	NA
4th '09	18-Dec-09	1.70E-04	5.90E-06		4.80E-04	1.20E-05		NS	NA	NA	NS	NA	NA
1st '10	13-May-10	2.20E-04	7.20E-06	1.10E-06	1.90E-04	1.90E-05	2.90E-05	NS	NA	NA	NS	NA	NA
2nd '10	18-Jun-10	6.50E-05	3.40E-06	7.60E-07	1.40E-04	1.90E-05	2.90E-05	NS	NA	NA	NS	NA	NA
4th '10	20-Dec-10	2.30E-05	1.70E-06	5.20E-07	1.00E-05	1.50E-06	2.30E-06	NS	NA	NA	NS	NA	NA
2nd '11	23-Jun-11	2.40E-07	1.40E-07	1.80E-07	<2.9E-06	1.70E-06	2.90E-06	NS	NA	NA	NS	NA	NA
3rd '11	27-Jul-11	4.90E-06	6.30E-07	3.20E-07	9.50E-05	2.10E-06	2.50E-06	NS	NA	NA	NS	NA	NA
4th '11	23-Nov-11	7.20E-06	7.50E-07	2.90E-07	8.80E-08	4.30E-07	7.20E-07	NS	NA	NA	NS	NA	NA
2nd '12	11-Apr-12	4.40E-05	1.90E-06	3.60E-07	2.10E-04	2.00E-06	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '12	11-Jun-12	2.20E-05	8.40E-07	1.10E-07	1.30E-04	7.60E-06	5.90E-06	NS	NA	NA	NS	NA	NA
4th '12	06-Nov-12	3.10E-05	4.82E-07	4.63E-08	4.26E-04	3.72E-06	6.52E-07	NS	NA	NA	NS	NA	NA
2nd '13	30-Apr-13	1.14E-04	1.74E-06	5.34E-07	2.65E-04	4.41E-06	5.37E-06	NS	NA	NA	NS	NA	NA
3rd '13	20-Jun-13	8.91E-05	2.16E-06	1.42E-06	1.42E-04	3.68E-06	6.17E-06	NS	NA	NA	NS	NA	NA
4th '13	14-Nov-13	1.37E-04	3.87E-06	4.71E-06	5.33E-04	1.45E-05	2.27E-05	NS	NA	NA	NS	NA	NA
2nd '14	16-Apr-14	9.90E-05	1.01E-06	3.91E-07	1.99E-04	3.14E-06	3.38E-06	NS	NA	NA	NS	NA	NA
3rd '14	10-Jun-14	2.60E-05	8.46E-07	9.19E-07	5.60E-05	3.08E-06	7.12E-06	NS	NA	NA	NS	NA	NA
4th '14	25-Nov-14	2.98E-05	1.23E-06	1.30E-06	2.46E-04	5.38E-06	7.41E-06	NS	NA	NA	NS	NA	NA
1st '15	21-Apr-15	7.15E-04	8.01E-06	3.50E-06	5.85E-04	1.27E-05	2.51E-05	6.36E-04	2.70E-05	8.62E-06	1.01E-04	3.06E-06	4.04E-07
2nd '15	15-Jun-15	1.52E-04	3.48E-06	2.60E-06	4.49E-04	1.50E-05	3.33E-05	3.11E-04	1.58E-05	6.45E-06	4.19E-05	2.67E-06	6.78E-07
4th '15	23-Nov-15	2.34E-04	5.79E-06	3.89E-06	9.34E-04	1.36E-05	1.37E-05	2.73E-04	1.91E-05	6.31E-06	6.67E-06	7.98E-07	7.06E-07
2nd '16	14-Apr-16	4.08E-04	7.26E-06	5.42E-06	1.34E-03	2.16E-05	2.93E-05	1.69E-04	1.29E-05	5.76E-06	1.66E-05	1.28E-06	7.67E-07
2nd '16	14-Jun-16	5.92E-05	2.70E-06	4.00E-06	2.61E-04	2.09E-05	4.92E-05	2.10E-04	5.52E-06	1.70E-06	4.27E-06	8.10E-07	9.31E-07
4th '16	11-Nov-16	4.56E-05	2.10E-06	3.47E-06 (5.00E-08)	2.70E-04	1.43E-05	3.81E-05 (1.00E-06)	3.94E-05	5.94E-06	5.02E-06 (2.00E-07)	2.10E-06	5.45E-07	5.66E-07 (2.00E-07)
2nd '17	13-Apr-17	1.71E-04	4.59E-06	4.06E-06 (5.00E-08)	6.11E-04	1.34E-05	2.17E-05 (1.00E-06)	2.38E-04	5.71E-06	2.31E-06 (2.00E-07)	1.54E-05	1.59E-06	2.09E-06 (2.00E-07)
2nd '17	19-Jun-17	2.40E-05	9.69E-07	1.15E-06 (5.00E-08)	7.52E-06	1.72E-06	5.42E-06 (1.00E-06)	1.31E-04	4.21E-06	1.15E-06 (2.00E-07)	7.18E-06	1.09E-06	6.48E-07 (2.00E-07)
4th '17	02-Nov-17	8.03E-05	2.18E-06	2.31E-06 (5.00E-08)	6.13E-04	1.10E-05	1.58E-05 (1.00E-06)	1.15E-04	3.99E-06	1.74E-06 (2.00E-07)	1.04E-05	1.02E-06	1.05E-06 (2.00E-07)
2nd '18	26-Apr-18	9.48E-05	1.83E-06	1.16E-06 (5.00E-08)	4.53E-04	9.39E-06	1.57E-05 (1.00E-06)	3.15E-04	6.25E-06	1.87E-06 (2.00E-07)	3.36E-06	1.41E-06	2.88E-06 (2.00E-07)
2nd '18	20-Jun-18	1.92E-04	4.37E-06	3.52E-06 (5.00E-08)	4.65E-04	1.19E-05	2.37E-05 (1.00E-06)	2.97E-04	6.57E-06	1.85E-06 (2.00E-07)	1.92E-05	1.58E-06	1.22E-06 (2.00E-07)
4th '18	02-Nov-18	9.76E-05	2.96E-06	3.23E-06 (5.00E-08)	4.52E-04	1.04E-05	1.78E-05 (1.00E-06)	7.34E-04	1.64E-05	3.49E-06 (2.00E-07)	6.44E-06	8.01E-07	1.90E-06 (2.00E-07)
2nd '19	25-Apr-19	8.01E-05	5.67E-06	3.69E-06 (5.00E-08)	1.07E-04	1.74E-05	4.50E-05 (1.00E-06)	1.79E-04	7.85E-06	5.53E-06 (2.00E-07)	1.08E-05	1.28E-06	1.68E-06 (2.00E-07)
2nd '19	06-Jun-19	4.20E-05	1.64E-06	1.36E-06 (5.00E-08)	5.87E-04	3.12E-05	4.47E-05 (1.00E-06)	2.29E-04	1.64E-05	2.48E-06 (2.00E-07)	2.43E-05	1.89E-06	1.96E-06 (2.00E-07)

WHITE MESA MILL
 FORAGE RADIONUCLIDE DATA
 NORTHEAST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226	Ra-226	MDC¥	Pb-210	Pb-210	MDC¥	U-NAT	U-NAT	MDC¥	Th-232	Th-232	MDC¥
		VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (5.00E-08)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (1.00E-06)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.00E-07)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.00E-07)†
4th '19	13-Nov-19	4.91E-04	4.77E-06	1.73E-06 (5.00E-08)	8.60E-04	1.51E-05	2.41E-05 (1.00E-06)	1.66E-04	4.10E-06	1.19E-06 (2.00E-07)	1.01E-05	1.24E-06	1.68E-06 (2.00E-07)
2nd '20	22-Apr-20	2.30E-04	4.59E-06	1.96E-06 (5.00E-08)	9.80E-04	4.34E-05	4.48E-05 (1.00E-06)	2.10E-04	5.18E-06	1.33E-06 (2.00E-07)	3.07E-05	1.78E-06	1.01E-06 (2.00E-07)
2nd '20	12-May-20	5.36E-05	1.74E-06	1.04E-06 (5.00E-08)	1.70E-04	2.67E-05	7.08E-05 (1.00E-06)	7.35E-05	5.01E-06	3.66E-06 (2.00E-07)	7.54E-06	8.87E-07	8.15E-07 (2.00E-07)
4th '20	07-Oct-20	5.60E-05	2.44E-06	3.13E-06 (5.00E-08)	5.90E-05	6.16E-06	1.07E-05 (1.00E-06)	4.02E-05	4.41E-06	3.51E-06 (2.00E-07)	7.34E-06	2.15E-06	2.69E-6 (2.00E-07)
2nd '21	06-Apr-21	1.06E-04	6.19E-06	2.93E-06 (5.00E-08)	3.73E-04	2.23E-05	2.75E-05 (1.00E-06)	5.55E-05	3.70E-06	3.12E-06 (2.00E-07)	5.81E-06	8.88E-07	1.19E-6 (2.00E-07)
2nd '21	09-Jun-21	9.36E-05	2.95E-06	3.82E-06 (5.00E-08)	1.69E-04	1.19E-05	3.16E-05 (1.00E-06)	4.05E-05	2.13E-06	1.77E-06 (2.00E-07)	1.37E-05	2.78E-06	5.32E-6 (2.00E-07)
4th '21	05-Oct-21	1.47E-04	3.40E-06	2.16E-06 (5.00E-08)	8.42E-04	1.87E-05	3.52E-05 (1.00E-06)	5.54E-05	4.67E-06	4.60E-06 (2.00E-07)	1.16E-05	1.45E-06	1.37E-06 (2.00E-07)
2nd '22	19-Apr-22	8.08E-04	8.61E-06	3.01E-06 (5.00E-08)	5.57E-04	1.19E-05	1.98E-05 (1.00E-06)	2.93E-04	7.01E-06	2.79E-06 (2.00E-07)	5.74E-05	2.29E-06	7.61E-7 (2.00E-07)
2nd '22	29-Jun-22	5.15E-05	2.17E-06	3.33E-06 (5.00E-08)	1.46E-04	1.04E-05	2.94E-05 (1.00E-06)	1.73E-05	3.02E-06	6.95E-6 (2.00E-07)	5.17E-06	2.03E-06	3.01E-06 (2.00E-07)

*2nd quarter of 1996 San Juan County, Utah, was declared a disaster area due to drought, no samples were collected during this period

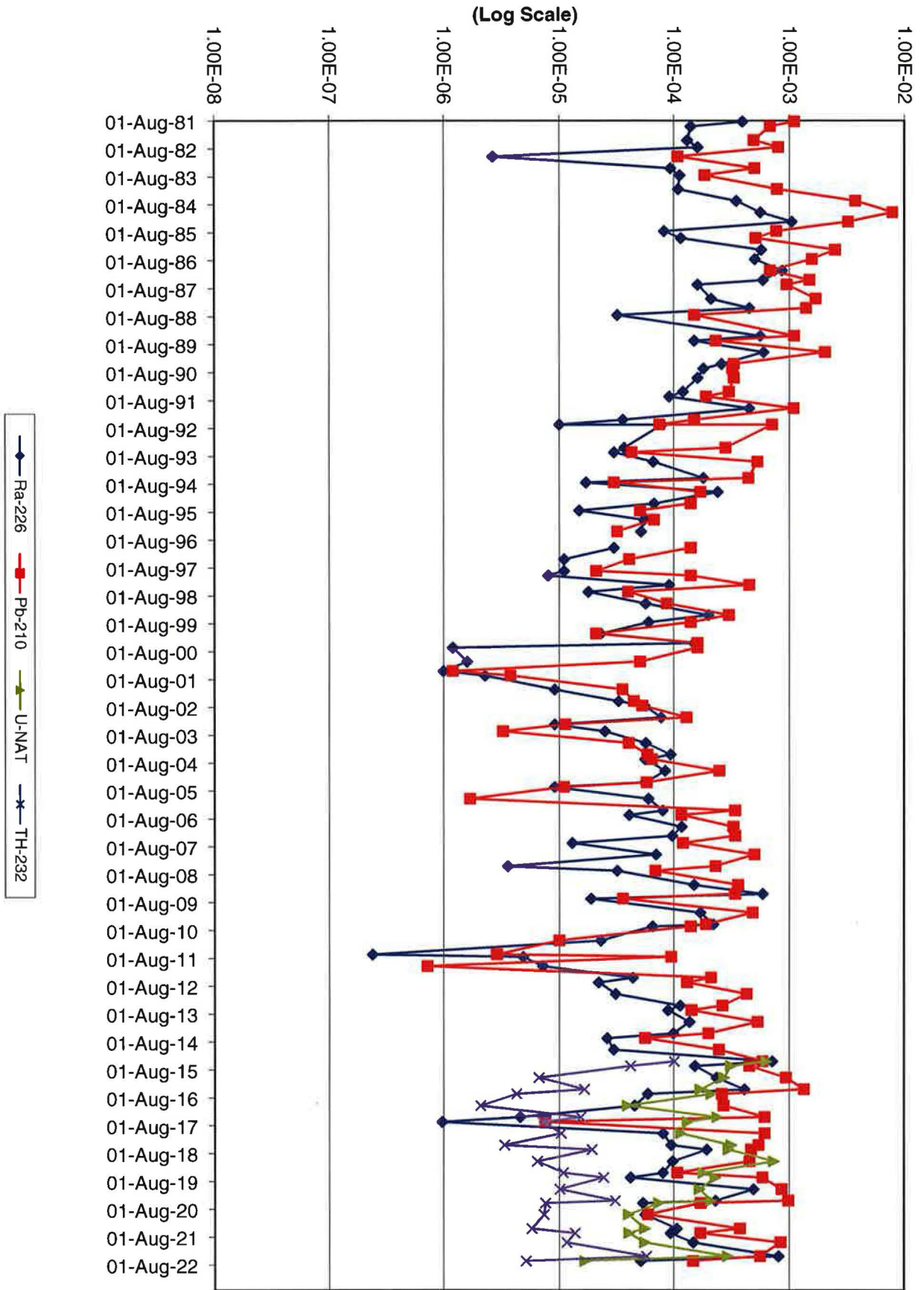
† NRC Regulatory Guide does not specify a Lower Limit of Detection (LLD) for Thorium 232 in vegetation (or any matrix). The LLD for Thorium 230 was used.

NS = Not Sampled

NA = Not Applicable

¥ The value in the MDC column is the sample-specific minimum detectable concentration. The MDC is based on the sample moisture, composition and other sample-specific variables. The value in parantheses is the method-specific lower limit of detection (LLD), which is a limit representing the detection capability of the measurement system. The LLDs in the data package are referred to as the Reporting limit (RL).

WHITE MESA MILL - NORTHEAST OF MILL Radionuclide Concentrations in Vegetation (uCi/Kg)



WHITE MESA MILL
 FORAGE RADIONUCLIDE DATA
 NORTHWEST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226	Ra-226	MDC¥	Pb-210	Pb-210	MDC¥	U-NAT	U-NAT	MDC¥	Th-232	Th-232	MDC¥
		VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (5.0E-08)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (1.0E-06)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)†
3rd '81	27-Aug-81	2.73E-03	5.00E-05	5.00E-08	7.10E-03	3.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
4th '81	20-Oct-81	2.00E-04	1.00E-05	5.00E-08	8.30E-04	5.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '82	15-Apr-82	1.04E-04	9.00E-06	7.00E-06	6.40E-04	5.00E-05	4.00E-05	NS	NA	NA	NS	NA	NA
3rd '82	01-Jul-82	2.00E-05	1.00E-05	5.00E-08	2.20E-04	9.00E-05	1.00E-07	NS	NA	NA	NS	NA	NA
4th '82	30-Nov-82	2.36E-06	9.50E-07	1.00E-06	8.00E-05	1.00E-05	1.00E-05	NS	NA	NA	NS	NA	NA
2nd '83	13-Apr-83	8.58E-05	1.36E-05	2.00E-08	3.53E-04	1.90E-05	1.00E-05	NS	NA	NA	NS	NA	NA
3rd '83	01-Jul-83	1.19E-04	1.10E-05	5.00E-06	1.58E-04	1.30E-05	1.00E-05	NS	NA	NA	NS	NA	NA
4th '83	30-Jan-84	9.78E-05	7.00E-06	2.00E-06	2.16E-03	3.40E-04	3.00E-04	NS	NA	NA	NS	NA	NA
2nd '84	28-Jun-84	2.08E-04	1.00E-05	3.00E-09	1.60E-03	7.00E-05	3.00E-08	NS	NA	NA	NS	NA	NA
4th '84	14-Nov-84	6.05E-04	1.64E-04	2.00E-07	2.58E-03	1.10E-04	3.00E-08	NS	NA	NA	NS	NA	NA
2nd '85	27-Mar-85	1.10E-04	8.00E-06	3.00E-06	8.63E-04	4.20E-05	3.00E-05	NS	NA	NA	NS	NA	NA
3rd '85	15-Jul-85	6.10E-05	6.00E-06	2.00E-06	5.40E-04	5.00E-05	5.00E-05	NS	NA	NA	NS	NA	NA
4th '85	09-Oct-85	1.07E-04	6.00E-06	2.00E-06	3.80E-04	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
2nd '86	24-Mar-86	8.86E-04	1.80E-05	2.00E-06	4.40E-03	1.90E-04	3.00E-05	NS	NA	NA	NS	NA	NA
3rd '86	10-Jul-86	6.66E-04	1.80E-05	3.00E-06	4.78E-03	2.10E-04	6.00E-05	NS	NA	NA	NS	NA	NA
4th '86	18-Dec-86	5.20E-04	1.00E-04	3.00E-06	1.70E-03	1.00E-04	6.00E-05	NS	NA	NA	NS	NA	NA
2nd '87	20-Apr-87	4.10E-04	1.00E-04	5.00E-08	1.60E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '87	05-Jun-87	1.60E-04	3.00E-05	5.00E-08	5.50E-04	4.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
4th '87	22-Dec-87	3.60E-04	5.00E-05	5.00E-08	1.80E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '88	19-Apr-88	2.60E-04	5.00E-05	5.00E-08	1.90E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '88	28-Jul-88	3.10E-05	1.90E-05	5.00E-08	1.60E-04	4.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '89	07-Apr-89	6.20E-04	5.00E-05	***	1.70E-03	1.00E-04	***	NS	NA	NA	NS	NA	NA
3rd '89	06-Jun-89	3.40E-04	3.00E-05	***	7.40E-04	3.00E-05	***	NS	NA	NA	NS	NA	NA
4th '89	07-Nov-89	5.10E-04	6.00E-05	7.00E-06	1.00E-03	7.00E-05	1.40E-05	NS	NA	NA	NS	NA	NA
1st '90	17-Apr-90	3.60E-04	3.00E-05	4.00E-06	4.80E-04	2.00E-05	2.20E-05	NS	NA	NA	NS	NA	NA
2nd '90	20-Jun-90	1.70E-04	2.00E-05	5.00E-08	3.20E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '90	17-Oct-90	8.80E-05	1.60E-05	5.00E-08	2.90E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
1st '91	10-Apr-91	3.00E-04	3.00E-05	5.00E-06	4.10E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '91	11-Jun-91	3.10E-04	3.00E-05	2.00E-07	4.70E-04	2.00E-05	2.00E-07	NS	NA	NA	NS	NA	NA
3rd '91	20-Nov-91	5.00E-04	4.00E-05	5.00E-08	1.50E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
1st '92	22-Apr-92	2.00E-05	8.00E-06	2.00E-06	9.60E-05	1.40E-05	1.00E-05	NS	NA	NA	NS	NA	NA
2nd '92	10-Jun-92	6.50E-06	6.00E-06	2.00E-06	1.20E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '92	10-Jun-92	1.20E-04	4.00E-05	3.00E-06	1.21E-03	8.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
1st '93	13-Apr-93	1.80E-05	1.70E-05	3.00E-06	2.10E-04	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
2nd '93	26-Jun-93	5.20E-05	1.90E-05	3.00E-06	1.70E-05	3.60E-05	2.00E-05	NS	NA	NA	NS	NA	NA
3rd '93	12-Oct-93	5.10E-05	2.30E-05	3.00E-06	7.10E-04	6.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
1st '94	11-May-94	1.20E-04	1.00E-05	3.00E-05	9.80E-04	1.60E-04	2.00E-04	NS	NA	NA	NS	NA	NA
2nd '94	19-Jul-94	3.73E-05	1.60E-06	8.40E-08	7.80E-05	7.10E-06	4.20E-07	NS	NA	NA	NS	NA	NA
3rd '94	28-Nov-94	2.40E-04	1.50E-05	1.70E-07	2.60E-04	1.30E-05	8.30E-07	NS	NA	NA	NS	NA	NA
1st '95	11-Apr-95	8.40E-05	6.10E-06	1.50E-07	1.20E-04	1.10E-05	7.50E-05	NS	NA	NA	NS	NA	NA
2nd '95	06-Jul-95	1.90E-05	1.50E-06	1.40E-07	4.50E-05	4.30E-06	7.20E-07	NS	NA	NA	NS	NA	NA
3rd '95	15-Nov-95	1.20E-04	6.80E-06	1.40E-07	1.00E-05	5.80E-06	7.10E-07	NS	NA	NA	NS	NA	NA
1st '96	23-Apr-96	8.30E-05	3.30E-06	1.90E-07	6.80E-05	6.30E-06	1.80E-07	NS	NA	NA	NS	NA	NA
2nd '96 *	31-Jul-96							NS	NA	NA	NS	NA	NA
3rd '96	14-Nov-96	3.60E-05	2.50E-06	1.60E-07	8.50E-05	5.60E-06	8.40E-07	NS	NA	NA	NS	NA	NA
1st '97	21-Apr-97	3.30E-05	2.30E-06	1.70E-07	4.40E-05	4.80E-06	8.40E-07	NS	NA	NA	NS	NA	NA
3rd '97	05-Sep-97	5.40E-06	3.50E-07	1.56E-07	3.20E-05	9.00E-07	7.83E-07	NS	NA	NA	NS	NA	NA
4th '97	20-Nov-97	8.90E-06	7.20E-07	5.40E-07	3.40E-04	6.70E-06	1.10E-07	NS	NA	NA	NS	NA	NA
1st '98	23-Mar-98	<9.20E-05	9.20E-05	9.20E-05	<4.60E-04	4.60E-04	4.60E-04	NS	NA	NA	NS	NA	NA
2nd '98	16-Jun-98	<6.50E-08	6.50E-08	6.50E-08	<3.20E-07	3.20E-07	3.20E-07	NS	NA	NA	NS	NA	NA
4th '98	05-Nov-98	4.20E-05	1.00E-06	1.10E-07	1.70E-04	1.00E-05	5.50E-07	NS	NA	NA	NS	NA	NA
2nd '99	15-Apr-99	6.20E-05	1.00E-06	1.00E-07	1.40E-04	7.00E-06	1.00E-07	NS	NA	NA	NS	NA	NA
3rd '99	07-Jul-99	5.45E-05	1.40E-06	8.30E-08	9.20E-05	4.00E-06	4.20E-07	NS	NA	NA	NS	NA	NA
4th '99	02-Dec-99	1.10E-04	3.00E-06	2.20E-07	2.80E-05	1.00E-06	1.10E-06	NS	NA	NA	NS	NA	NA
2nd '00	21-Apr-00	3.70E-05	1.00E-06	2.40E-07	2.70E-04	1.00E-05	1.20E-06	NS	NA	NA	NS	NA	NA
2nd '00	22-Jun-00	2.90E-05	1.00E-06	3.30E-07	2.80E-04	2.00E-05	1.70E-06	NS	NA	NA	NS	NA	NA
4th '00	21-Dec-00	2.30E-06	1.40E-06	3.70E-07	3.30E-04	5.00E-05	1.90E-06	NS	NA	NA	NS	NA	NA
1st '01	30-Apr-01	2.10E-05	1.00E-06	1.50E-07	<7.6E-07	N/A	7.60E-07	NS	NA	NA	NS	NA	NA
2nd '01	14-Jun-01	1.30E-06	4.00E-08	1.20E-07	1.80E-06	3.00E-08	5.90E-07	NS	NA	NA	NS	NA	NA
4th '01	17-Dec-01	3.70E-05	7.67E-07	8.30E-08	6.72E-05	2.62E-06	6.00E-07	NS	NA	NA	NS	NA	NA
1st '02	07-May-02	4.90E-05	2.40E-06	7.60E-07	1.28E-04	5.61E-06	1.00E-05	NS	NA	NA	NS	NA	NA
2nd '02	07-Jul-02	8.88E-05	4.32E-06	7.60E-07	8.33E-05	4.32E-06	1.00E-05	NS	NA	NA	NS	NA	NA

WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
NORTHWEST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226 VALUE (uCi/Kg)	Ra-226 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (5.0E-08)	Pb-210 VALUE (uCi/Kg)	Pb-210 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (1.0E-06)	U-NAT VALUE (uCi/Kg)	U-NAT ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (2.0E-07)	Th-232 VALUE (uCi/Kg)	Th-232 ERROR (uCi/Kg)	MDC¥ LLD uCi/Kg (2.0E-07)†
4th '02	15-Dec-02	1.50E-04	6.20E-06	7.60E-07	3.16E-04	1.07E-05	1.00E-05	NS	NA	NA	NS	NA	NA
1st '03	21-Mar-03	5.00E-05	3.40E-06	2.71E-06	<4.2e-6		4.20E-06	NS	NA	NA	NS	NA	NA
2nd '03	10-Jun-03	5.60E-05	2.00E-06	4.10E-07	1.88E-04	5.14E-06	8.20E-08	NS	NA	NA	NS	NA	NA
4th '03	20-Nov-03	3.20E-04	8.20E-06	1.70E-07	4.89E-04	1.25E-05	8.30E-07	NS	NA	NA	NS	NA	NA
1st '04	08-Apr-04	6.29E-05	4.10E-06	2.00E-07	1.94E-05	4.00E-06	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '04	12-Jun-04	6.51E-05	3.40E-06	1.30E-07	1.87E-05	3.90E-06	6.50E-07	NS	NA	NA	NS	NA	NA
4th '04	30-Nov-04	7.50E-05	4.60E-06	2.00E-08	4.45E-04	1.40E-05	3.00E-07	NS	NA	NA	NS	NA	NA
1st '05	21-Apr-05	4.90E-05	2.70E-06	1.30E-07	1.27E-04	4.80E-06	6.50E-07	NS	NA	NA	NS	NA	NA
2nd '05	13-Jun-05	2.30E-05	2.10E-06	1.50E-07	4.70E-05	5.10E-06	7.60E-07	NS	NA	NA	NS	NA	NA
4th '05	10-Nov-05	7.40E-05	3.50E-06	1.20E-10	2.40E-06	8.10E-08	5.80E-10	NS	NA	NA	NS	NA	NA
1st '06	03-Apr-06	1.00E-04	6.00E-06	5.00E-08	6.54E-04	1.50E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '06	16-Jun-06	9.50E-05	5.90E-06	5.00E-08	4.48E-04	1.40E-05	1.00E-06	NS	NA	NA	NS	NA	NA
4th '06	28-Nov-06	8.13E-05	4.10E-06	2.20E-07	3.25E-04	1.12E-06	1.00E-05	NS	NA	NA	NS	NA	NA
1st '07	30-Mar-07	4.30E-05	2.60E-06	1.70E-07	2.64E-04	7.20E-06	8.60E-07	NS	NA	NA	NS	NA	NA
2nd '07	1-Jun-07	5.10E-05	3.20E-06	2.30E-07	5.30E-04	1.40E-06	1.20E-06	NS	NA	NA	NS	NA	NA
4th '07	23-Nov-07	7.30E-05	6.60E-06	5.00E-08	7.00E-04	2.20E-05	1.10E-06	NS	NA	NA	NS	NA	NA
1st '08	22-Apr-08	2.80E-06	2.80E-06	7.20E-07	4.40E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '08	18-Jun-08	3.20E-06	3.30E-06	1.80E-06	1.40E-04	3.30E-05	5.50E-05	NS	NA	NA	NS	NA	NA
4th '08	12-Dec-08	7.30E-05	3.20E-06	7.40E-07	4.40E-04	2.50E-05	3.20E-05	NS	NA	NA	NS	NA	NA
1st '09	28-Apr-09	5.25E-05	3.60E-06	1.10E-06	1.90E-04	1.50E-05	2.20E-05	NS	NA	NA	NS	NA	NA
2nd '09	17-Jun-09	2.30E-05	1.60E-05	5.20E-07	4.30E-05	1.00E-05	1.70E-05	NS	NA	NA	NS	NA	NA
4th '09	18-Dec-09	5.50E-05	3.50E-06		3.00E-04	1.10E-05		NS	NA	NA	NS	NA	NA
1st '10	13-May-10	1.90E-04	6.10E-06	9.40E-07	5.10E-04	2.40E-05	3.10E-05	NS	NA	NA	NS	NA	NA
2nd '10	18-Jun-10	2.30E-05	2.00E-06	7.70E-07	8.30E-05	1.80E-05	2.90E-05	NS	NA	NA	NS	NA	NA
4th '10	20-Dec-10	8.60E-06	9.10E-07	3.90E-07	1.10E-07	6.80E-07	1.10E-06	NS	NA	NA	NS	NA	NA
2nd '11	23-Jun-11	2.10E-07	1.20E-07	1.40E-07	<2.2E-06	1.30E-06	2.20E-06	NS	NA	NA	NS	NA	NA
3rd '11	28-Jul-11	4.20E-06	5.40E-07	2.70E-07	2.30E-04	2.50E-06	2.30E-06	NS	NA	NA	NS	NA	NA
4th '11	23-Nov-11	7.70E-06	6.80E-07	2.30E-07	<5.8E-08	3.40E-07	5.80E-07	NS	NA	NA	NS	NA	NA
2nd '12	11-Apr-12	1.50E-05	9.50E-07	2.60E-07	<7.0E-07	6.00E-07	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '12	11-Jun-12	8.30E-06	5.40E-07	1.20E-07	1.40E-04	8.30E-06	6.50E-06	NS	NA	NA	NS	NA	NA
4th '12	06-Nov-12	2.34E-05	4.10E-07	7.71E-08	4.59E-04	3.83E-06	6.18E-07	NS	NA	NA	NS	NA	NA
2nd '13	30-Apr-13	9.04E-05	1.68E-06	8.58E-07	2.24E-04	4.46E-06	4.68E-06	NS	NA	NA	NS	NA	NA
3rd '13	20-Jun-13	2.58E-06	9.59E-07	8.06E-07	1.06E-04	2.30E-06	3.28E-06	NS	NA	NA	NS	NA	NA
4th '13	14-Nov-13	1.43E-04	3.70E-06	2.17E-06	4.65E-04	1.17E-05	1.80E-05	NS	NA	NA	NS	NA	NA
2nd '14	16-Apr-14	2.53E-05	6.29E-07	5.51E-07	5.70E-05	2.21E-06	4.52E-06	NS	NA	NA	NS	NA	NA
3rd '14	10-Jun-14	2.53E-05	5.55E-07	5.77E-07	7.68E-05	2.08E-06	3.66E-06	NS	NA	NA	NS	NA	NA
4th '14	25-Nov-14	7.41E-05	1.90E-06	1.53E-06	2.98E-04	6.48E-06	1.06E-05	NS	NA	NA	NS	NA	NA
1st '15	21-Apr-15	1.31E-04	4.21E-06	5.92E-06	6.33E-04	1.17E-05	1.45E-05	3.35E-04	2.41E-05	1.17E-05	7.35E-06	8.57E-07	7.82E-07
2nd '15	15-Jun-15	2.39E-04	4.43E-06	3.45E-06	1.08E-03	2.02E-05	3.25E-05	5.24E-04	2.41E-05	9.70E-06	2.38E-05	2.12E-06	7.36E-07
4th '15	23-Nov-15	1.03E-04	3.95E-06	4.25E-06	4.78E-04	1.06E-05	1.75E-05	1.51E-04	1.53E-05	7.71E-06	2.30E-05	1.53E-06	4.23E-07
2nd '16	14-Apr-16	1.28E-04	4.20E-06	5.79E-06	3.56E-04	1.14E-05	1.86E-05	6.33E-05	8.20E-06	5.95E-06	1.66E-06	4.81E-07	5.40E-07
2nd '16	14-Jun-16	5.91E-05	3.97E-06	6.94E-06	1.73E-04	2.02E-05	5.42E-05	3.15E-05	1.90E-06	1.54E-06	2.95E-06	8.26E-07	1.47E-06
4th '16	11-Nov-16	2.66E-04	4.22E-06	2.03E-06 (5.00E-08)	1.28E-03	2.57E-05	4.95E-05 (1.00E-06)	4.33E-04	2.58E-05	8.24E-06 (2.00E-07)	3.87E-06	7.58E-07	1.03E-06 (2.00E-07)
2nd '17	13-Apr-17	3.84E-05	2.55E-06	4.35E-06 (5.00E-08)	8.85E-04	1.51E-05	2.23E-05 (1.00E-06)	6.97E-04	1.21E-05	3.52E-06 (2.00E-07)	6.11E-06	9.91E-07	1.15E-06 (2.00E-07)
2nd '17	19-Jun-17	1.56E-04	1.77E-06	8.68E-07 (5.00E-08)	1.15E-04	3.18E-06	6.07E-06 (1.00E-06)	3.29E-04	6.61E-06	1.44E-06 (2.00E-07)	1.58E-05	1.37E-06	5.35E-07 (2.00E-07)
4th '17	02-Nov-17	2.24E-04	4.17E-06	2.01E-06 (5.00E-08)	9.23E-04	1.34E-05	1.94E-05 (1.00E-06)	3.34E-04	9.09E-06	3.50E-06 (2.00E-07)	1.52E-05	1.35E-06	1.80E-07 (2.00E-07)
2nd '18	26-Apr-18	2.63E-04	2.93E-06	7.38E-7 (5.00E-08)	5.85E-04	9.12E-06	8.17E-6 (1.00E-06)	4.60E-04	7.74E-06	1.56E-06 (2.00E-07)	5.49E-06	2.15E-06	3.47E-6 (2.00E-07)
2nd '18	20-Jun-18	2.13E-04	4.85E-06	3.93E-06 (5.00E-08)	6.02E-04	1.28E-05	2.33E-05 (1.00E-06)	4.98E-04	9.07E-06	2.43E-06 (2.00E-07)	9.46E-06	1.05E-06	1.07E-6 (2.00E-07)
4th '18	02-Nov-18	1.71E-04	3.84E-06	3.48E-06 (5.00E-08)	5.54E-04	1.06E-05	1.55E-05 (1.00E-06)	5.25E-04	1.63E-05	4.23E-06 (2.00E-07)	4.17E-07	7.48E-07	1.45E-6 (2.00E-07)
2nd '19	25-Apr-19	4.15E-05	4.50E-06	6.02E-06 (5.00E-08)	3.18E-04	2.29E-05	3.18E-05 (1.00E-06)	1.55E-04	5.17E-06	2.42E-06 (2.00E-07)	3.05E-05	2.51E-06	3.89E-06 (2.00E-07)
2nd '19	06-Jun-19	1.12E-05	1.08E-06	1.79E-06 (5.00E-08)	1.41E-04	1.72E-05	3.49E-05 (1.00E-06)	4.41E-05	3.41E-06	2.39E-06 (2.00E-07)	1.65E-05	6.68E-06	1.24E-06 (2.00E-07)

**WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
NORTHWEST OF MILL**

SAMPLED QTR.	SAMPLED DATE	Ra-226	Ra-226	MDC‡	Pb-210	Pb-210	MDC‡	U-NAT	U-NAT	MDC‡	Th-232	Th-232	MDC‡
		VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (5.0E-08)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (1.0E-06)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)	VALUE (uCi/Kg)	ERROR (uCi/Kg)	LLD uCi/Kg (2.0E-07)†
4th '19	13-Nov-19	6.09E-04	6.16E-06	2.42E-06 (5.00E-08)	1.31E-03	1.82E-05	2.46E-05 (1.00E-06)	3.63E-04	6.29E-06	1.43E-06 (2.00E-07)	7.34E-06	1.18E-06	2.05E-06 (2.00E-07)
2nd '20	22-Apr-20	3.24E-04	6.27E-06	4.65E-06 (5.00E-08)	1.29E-03	4.82E-05	3.51E-05 (1.00E-06)	2.54E-04	4.97E-06	1.46E-06 (2.00E-07)	4.54E-06	7.24E-07	1.26E-06 (2.00E-07)
2nd '20	12-May-20	1.23E-04	2.49E-06	1.14E-06 (5.00E-08)	3.17E-04	2.74E-05	5.38E-05 (1.00E-06)	1.02E-04	7.37E-06	5.58E-06 (2.00E-07)	6.09E-06	9.05E-07	6.61E-07 (2.00E-07)
4th '20	07-Oct-20	2.49E-05	1.65E-06	2.69E-06 (5.00E-08)	4.54E-05	5.53E-06	1.20E-05 (1.00E-06)	1.91E-05	3.93E-06	7.48E-06 (2.00E-07)	6.28E-06	2.44E-06	5.87E-06 (2.00E-07)
2nd '21	06-Apr-21	2.06E-04	7.90E-06	3.01E-06 (5.00E-08)	5.56E-04	2.64E-05	2.98E-05 (1.00E-06)	7.05E-05	3.44E-06	2.00E-06 (2.00E-07)	4.35E-06	8.63E-07	1.72E-06 (2.00E-07)
2nd '21	09-Jun-21	4.82E-05	2.04E-06	2.17E-06 (5.00E-08)	1.49E-04	1.42E-05	3.90E-05 (1.00E-06)	2.79E-05	3.07E-06	4.13E-06 (2.00E-07)	1.01E-05	1.31E-06	2.06E-06 (2.00E-07)
4th '21	05-Oct-21	1.75E-04	4.30E-06	1.99E-06 (5.00E-08)	5.65E-04	1.39E-05	2.79E-05 (1.00E-06)	7.27E-05	4.40E-06	3.68E-06 (2.00E-07)	2.97E-05	2.00E-06	1.74E-06 (2.00E-07)
2nd '22	19-Apr-22	2.80E-04	5.17E-06	2.52E-06 (5.00E-08)	4.74E-04	1.26E-05	2.26E-05 (1.00E-06)	1.06E-04	3.72E-06	1.82E-06 (2.00E-07)	2.62E-05	1.54E-06	8.95E-07 (2.00E-07)
2nd '22	29-Jun-22	3.87E-05	1.35E-06	1.37E-06 (5.00E-08)	1.25E-04	8.82E-06	2.40E-05 (1.00E-06)	1.80E-05	1.56E-06	2.19E-06 (2.00E-07)	2.93E-05	7.24E-06	1.37E-05 (2.00E-07)

*2nd quarter of 1996 San Juan County, Utah, was declared a disaster area due to drought, no samples were collected during this period

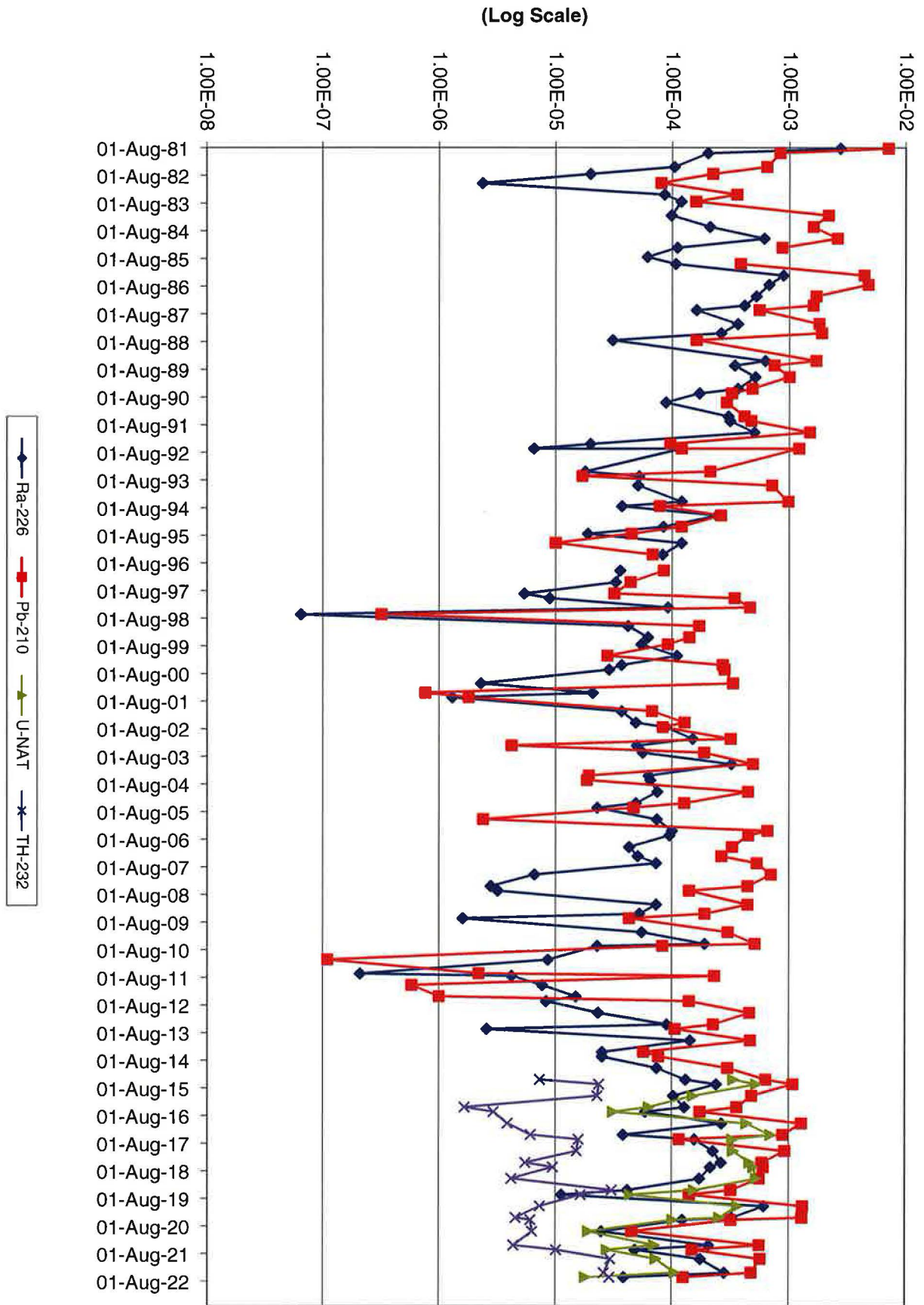
† NRC Regulatory Guide does not specify a Lower Limit of Detection (LLD) for Thorium 232 in vegetation (or any matrix). The LLD for Thorium 230 was used.

NS = Not Sampled

NA = Not Applicable

‡ The value in the MDC column is the sample-specific minimum detectable concentration. The MDC is based on the sample moisture, composition and other sample-specific variables. The value in parentheses is the method-specific lower limit of detection (LLD), which is a limit representing the detection capability of the measurement system. The LLDs in the data package are referred to as the Reporting limit (RL).

WHITE MESA MILL - NORTHWEST OF MILL Radionuclide Concentrations in Vegetation (uCi/Kg)



WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
SOUTHWEST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226 VALUE (uCi/Kg)	Ra-226 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (5.0E-08)	Pb-210 VALUE (uCi/Kg)	Pb-210 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (1.0E-06)	U-NAT VALUE (uCi/Kg)	U-NAT ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.0E-07)	Th-232 VALUE (uCi/Kg)	Th-232 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.0E-07)†
3rd '81	27-Aug-81	9.50E-04	2.00E-05	5.00E-08	1.50E-04	1.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
4th '81	20-Oct-81	3.00E-05	3.00E-06	5.00E-08	1.50E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '82	15-Apr-82	1.37E-05	3.00E-06	3.00E-06	3.80E-04	4.00E-05	4.00E-05	NS	NA	NA	NS	NA	NA
3rd '82	01-Jul-82	3.40E-04	2.00E-05	5.00E-08	3.68E-03	2.70E-04	1.00E-07	NS	NA	NA	NS	NA	NA
4th '82	30-Nov-82	1.75E-05	3.00E-06	2.00E-06	7.92E-04	4.00E-06	2.00E-05	NS	NA	NA	NS	NA	NA
2nd '83	13-Apr-83	7.13E-04	7.30E-05	9.00E-08	2.51E-03	3.00E-04	3.00E-04	NS	NA	NA	NS	NA	NA
3rd '83	01-Jul-83	5.39E-05	4.50E-06	2.00E-06	6.88E-04	4.30E-05	4.00E-05	NS	NA	NA	NS	NA	NA
4th '83	30-Jan-84	6.40E-05	7.00E-06	4.00E-06	1.20E-03	1.00E-04	4.00E-05	NS	NA	NA	NS	NA	NA
2nd '84	28-Jun-84	8.27E-05	6.30E-06	3.00E-09	1.80E-03	1.00E-04	9.00E-08	NS	NA	NA	NS	NA	NA
4th '84	14-Nov-84	2.72E-04	1.48E-04	2.00E-07	4.70E-03	7.20E-04	3.00E-07	NS	NA	NA	NS	NA	NA
2nd '85	27-Mar-85	4.73E-04	1.60E-07	3.00E-06	7.07E-04	3.60E-05	3.00E-05	NS	NA	NA	NS	NA	NA
3rd '85	15-Jul-85	6.60E-05	7.00E-06	4.00E-06	4.90E-04	3.00E-05	3.00E-05	NS	NA	NA	NS	NA	NA
4th '85	09-Oct-85	2.83E-04	2.00E-05	7.00E-06	1.50E-03	1.00E-04	7.00E-05	NS	NA	NA	NS	NA	NA
2nd '86	24-Mar-86	1.57E-04	1.00E-05	4.00E-06	4.14E-03	1.80E-04	3.00E-05	NS	NA	NA	NS	NA	NA
3rd '86	10-Jul-86	3.78E-04	1.00E-05	2.00E-06	1.65E-02	7.00E-04	1.00E-04	NS	NA	NA	NS	NA	NA
4th '86	18-Dec-86	2.60E-04	2.00E-05	2.00E-06	1.70E-03	1.00E-04	1.00E-04	NS	NA	NA	NS	NA	NA
2nd '87	20-Apr-87	4.10E-04	7.00E-05	5.00E-08	2.20E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '87	05-Jun-87	2.90E-04	4.00E-05	5.00E-08	7.50E-04	5.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
4th '87	22-Dec-87	1.80E-04	3.00E-05	5.00E-08	2.40E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '88	19-Apr-88	2.30E-04	5.00E-05	5.00E-08	2.90E-03	1.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '88	28-Jul-88	1.50E-04	3.00E-05	5.00E-08	4.30E-03	2.00E-04	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '89	07-Apr-89	3.10E-04	4.00E-05	***	4.20E-03	1.00E-04	***	NS	NA	NA	NS	NA	NA
3rd '89	06-Jun-89	1.30E-04	2.00E-05	***	1.50E-03	1.00E-04	***	NS	NA	NA	NS	NA	NA
4th '89	07-Nov-89	4.30E-04	5.00E-05	1.40E-05	3.50E-03	1.40E-04	2.70E-05	NS	NA	NA	NS	NA	NA
1st '90	17-Apr-90	2.50E-04	3.00E-05	5.00E-06	2.39E-03	5.00E-05	2.50E-05	NS	NA	NA	NS	NA	NA
2nd '90	20-Jun-90	1.10E-04	2.00E-05	5.00E-08	6.60E-04	3.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '90	17-Oct-90	6.10E-05	1.40E-05	5.00E-08	6.10E-04	3.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
1st '91	10-Apr-91	3.40E-05	1.10E-05	5.00E-06	2.20E-04	1.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '91	11-Jun-91	8.00E-05	6.00E-06	2.00E-07	1.20E-04	1.00E-05	2.00E-07	NS	NA	NA	NS	NA	NA
3rd '91	20-Nov-91	6.50E-05	1.40E-05	5.00E-08	9.10E-04	5.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
1st '92	22-Apr-92	1.60E-05	7.00E-06	2.00E-06	3.20E-04	2.00E-05	1.00E-05	NS	NA	NA	NS	NA	NA
2nd '92	10-Jun-92	1.90E-05	1.00E-05	2.00E-07	2.20E-04	2.00E-05	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '92	10-Jun-92	1.60E-05	1.80E-05	3.00E-06	7.60E-04	6.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
1st '93	13-Apr-93	2.60E-05	2.00E-05	3.00E-06	3.40E-04	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
2nd '93	26-Jun-93	3.00E-05	1.40E-05	3.00E-06	0.00E+00	3.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
3rd '93	12-Oct-93	3.10E-05	1.60E-05	3.00E-06	4.20E-04	6.00E-05	2.00E-05	NS	NA	NA	NS	NA	NA
1st '94	11-May-94	2.00E-05	5.00E-06	3.00E-05	3.90E-04	8.00E-05	2.00E-04	NS	NA	NA	NS	NA	NA
2nd '94	19-Jul-94	1.75E-05	1.70E-06	7.60E-08	1.30E-04	7.80E-06	3.80E-07	NS	NA	NA	NS	NA	NA
3rd '94	28-Nov-94	1.00E-04	9.00E-06	1.50E-07	2.60E-04	1.20E-05	7.40E-07	NS	NA	NA	NS	NA	NA
1st '95	11-Apr-95	1.70E-05	1.50E-06	1.60E-07	1.60E-04	1.50E-05	8.10E-07	NS	NA	NA	NS	NA	NA
2nd '95	06-Jul-95	6.40E-06	6.00E-07	1.40E-07	4.40E-05	4.20E-06	7.00E-07	NS	NA	NA	NS	NA	NA
3rd '95	15-Nov-95	2.30E-05	2.20E-06	1.70E-07	6.60E-05	9.60E-06	8.30E-07	NS	NA	NA	NS	NA	NA
1st '96	23-Apr-96	4.20E-05	2.20E-06	1.70E-07	1.00E-04	6.70E-06	1.80E-07	NS	NA	NA	NS	NA	NA
2nd '96 *	31-Jul-96							NS	NA	NA	NS	NA	NA
3rd '96	14-Nov-96	2.10E-05	2.00E-06	1.60E-07	1.90E-04	7.30E-06	8.20E-07	NS	NA	NA	NS	NA	NA
1st '97	21-Apr-97	5.50E-06	4.20E-07	1.40E-07	3.30E-05	3.90E-06	7.00E-07	NS	NA	NA	NS	NA	NA
3rd '97	05-Sep-97	5.30E-06	3.20E-07	1.26E-07	1.90E-05	6.90E-07	6.34E-07	NS	NA	NA	NS	NA	NA
4th '97	20-Nov-97	2.50E-05	9.50E-07	5.90E-07	1.30E-04	4.70E-06	1.20E-07	NS	NA	NA	NS	NA	NA
1st '98	23-Mar-98	<7.90E-05	7.90E-05	7.90E-05	<3.90E-04	3.90E-04	3.90E-04	NS	NA	NA	NS	NA	NA
2nd '98	16-Jun-98	3.60E-07	1.40E-07	3.30E-08	<1.7E-07	1.70E-07	1.70E-07	NS	NA	NA	NS	NA	NA
4th '98	05-Nov-98	4.30E-05	1.00E-06	7.60E-08	2.50E-04	1.00E-05	3.80E-07	NS	NA	NA	NS	NA	NA
2nd '99	15-Apr-99	2.40E-05	1.00E-06	1.20E-07	1.70E-04	8.00E-06	6.20E-07	NS	NA	NA	NS	NA	NA
3rd '99	07-Jul-99	2.23E-05	8.60E-07	1.20E-07	2.30E-04	7.00E-06	5.90E-07	NS	NA	NA	NS	NA	NA
4th '99	02-Dec-99	1.50E-04	3.00E-06	2.00E-07	1.70E-05	1.00E-06	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '00	21-Apr-00	1.00E-04	2.00E-06	1.20E-07	1.10E-04	7.00E-06	6.10E-07	NS	NA	NA	NS	NA	NA
2nd '00	22-Jun-00	1.30E-06	1.00E-07	2.40E-07	2.00E-04	1.00E-05	1.20E-06	NS	NA	NA	NS	NA	NA
4th '00	21-Dec-00	1.20E-06	9.00E-07	2.40E-07	1.20E-04	3.00E-05	1.20E-06	NS	NA	NA	NS	NA	NA
1st '01	30-Apr-01	1.80E-06	1.00E-07	1.70E-07	<8.3E-07	N/A	8.30E-07	NS	NA	NA	NS	NA	NA
2nd '01	14-Jun-01	2.60E-06	2.00E-07	9.90E-08	1.10E-06	2.00E-08	5.00E-07	NS	NA	NA	NS	NA	NA
4th '01	17-Dec-01	2.63E-06	4.60E-05	1.20E-07	9.40E-05	3.72E-06	6.00E-07	NS	NA	NA	NS	NA	NA
1st '02	07-May-02	3.50E-05	2.20E-06	7.60E-07	1.36E-04	5.61E-06	1.00E-05	NS	NA	NA	NS	NA	NA
2nd '02	07-Jul-02	4.02E-05	2.34E-06	7.60E-07	7.04E-05	4.11E-06	1.00E-05	NS	NA	NA	NS	NA	NA
4th '02	15-Dec-02	8.10E-05	3.90E-06	7.60E-07	2.87E-04	8.54E-06	1.00E-05	NS	NA	NA	NS	NA	NA

WHITE MESA MILL
FORAGE RADIONUCLIDE DATA
SOUTHWEST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226 VALUE (uCi/Kg)	Ra-226 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (5.0E-08)	Pb-210 VALUE (uCi/Kg)	Pb-210 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (1.0E-06)	U-NAT VALUE (uCi/Kg)	U-NAT ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.0E-07)	Th-232 VALUE (uCi/Kg)	Th-232 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.0E-07)†
1st '03	21-Mar-03	3.70E-05	2.60E-06	2.41E-06	2.69E-05	2.01E-06	3.73E-06	NS	NA	NA	NS	NA	NA
2nd '03	10-Jun-03	1.30E-05	1.00E-06	5.20E-07	<1.00E-07		1.00E-07	NS	NA	NA	NS	NA	NA
4th '03	20-Nov-03	1.60E-04	1.30E-05	1.20E-07	1.42E-04	6.42E-06	5.90E-07	NS	NA	NA	NS	NA	NA
1st '04	08-Apr-04	1.40E-04	7.70E-06	1.10E-07	6.10E-06	2.70E-06	5.50E-07	NS	NA	NA	NS	NA	NA
2nd '04	12-Jun-04	6.51E-05	3.20E-06	1.50E-07	5.27E-05	4.90E-06	7.60E-07	NS	NA	NA	NS	NA	NA
4th '04	30-Nov-04	8.40E-05	5.70E-06	3.00E-08	3.39E-04	1.60E-05	3.00E-07	NS	NA	NA	NS	NA	NA
1st '05	21-Apr-05	1.70E-05	1.60E-06	1.30E-07	4.50E-05	3.50E-06	6.50E-07	NS	NA	NA	NS	NA	NA
2nd '05	13-Jun-05	1.50E-05	1.60E-06	1.40E-07	7.00E-05	5.10E-06	6.90E-07	NS	NA	NA	NS	NA	NA
4th '05	10-Nov-05	3.80E-05	2.10E-06	8.60E-10	1.20E-06	4.80E-08	4.30E-10	NS	NA	NA	NS	NA	NA
1st '06	03-Apr-06	1.00E-04	6.00E-06	5.00E-08	3.30E-04	1.10E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '06	16-Jun-06	3.40E-05	2.50E-06	5.00E-08	1.37E-04	6.00E-06	1.00E-06	NS	NA	NA	NS	NA	NA
4th '06	28-Nov-06	7.31E-05	3.20E-06	1.60E-07	2.98E-04	8.50E-06	8.20E-07	NS	NA	NA	NS	NA	NA
1st '07	30-Mar-07	3.00E-05	2.20E-06	1.70E-07	3.20E-04	7.90E-06	8.40E-07	NS	NA	NA	NS	NA	NA
2nd '07	1-Jun-07	1.10E-04	4.60E-06	2.3-07	3.20E-04	1.10E-05	1.10E-06	NS	NA	NA	NS	NA	NA
4th '07	23-Nov-07	5.60E-05	5.20E-06	5.00E-08	6.40E-04	1.90E-05	1.00E-06	NS	NA	NA	NS	NA	NA
1st '08	22-Apr-08	3.20E-05	2.30E-06	7.20E-07	2.30E-04	1.50E-05	1.00E-06	NS	NA	NA	NS	NA	NA
2nd '08	18-Jun-08	1.25E-05	2.20E-06	1.80E-06	5.00E-05	3.00E-05	4.80E-03	NS	NA	NA	NS	NA	NA
4th '08	12-Dec-08	9.20E-05	4.10E-06	9.60E-07	4.10E-04	3.00E-05	4.00E-05	NS	NA	NA	NS	NA	NA
1st '09	28-Apr-09	2.60E-05	2.90E-06	1.40E-06	3.70E-05	1.50E-06	2.50E-05	NS	NA	NA	NS	NA	NA
2nd '09	17-Jun-09	2.40E-05	1.40E-06	3.90E-07	3.50E-05	7.90E-06	1.30E-05	NS	NA	NA	NS	NA	NA
4th '09	18-Dec-09	3.10E-05	2.30E-06		2.10E-04	8.40E-06		NS	NA	NA	NS	NA	NA
1st '10	13-May-10	2.00E-05	2.10E-06	9.40E-07	5.60E-05	1.50E-05	2.40E-05	NS	NA	NA	NS	NA	NA
2nd '10	18-Jun-10	1.10E-05	1.30E-06	6.60E-07	7.80E-05	1.60E-05	2.50E-05	NS	NA	NA	NS	NA	NA
4th '10	20-Dec-10	6.70E-06	9.10E-07	4.80E-07	8.00E-07	7.90E-07	1.30E-06	NS	NA	NA	NS	NA	NA
2nd '11	23-Jun-11	<1.7E-07	6.90E-08	1.70E-07	<2.5E-06	1.50E-06	2.50E-06	NS	NA	NA	NS	NA	NA
3rd '11	27-Jul-11	1.60E-05	1.00E-06	2.60E-07	9.50E-05	1.60E-06	1.70E-06	NS	NA	NA	NS	NA	NA
4th '11	23-Nov-11	7.80E-07	2.50E-07	2.30E-07	<5.9E-07	3.50E-07	5.90E-07	NS	NA	NA	NS	NA	NA
2nd '12	11-Apr-12	5.00E-06	6.00E-07	3.00E-07	<7.0E-07	7.00E-07	1.00E-06	NS	NA	NA	NS	NA	NA
3rd '12	11-Jun-12	1.90E-08	6.20E-08	1.10E-07	<2.5E-07	1.30E-06	2.20E-06	NS	NA	NA	NS	NA	NA
4th '12	06-Nov-12	1.49E-05	3.41E-07	4.25E-08	4.45E-04	4.01E-06	8.57E-07	NS	NA	NA	NS	NA	NA
2nd '13	30-Apr-13	4.50E-05	1.19E-06	5.39E-07	3.62E-04	6.30E-06	9.90E-06	NS	NA	NA	NS	NA	NA
3rd '13	20-Jun-13	1.51E-05	1.06E-06	1.96E-06	6.71E-05	2.93E-06	6.24E-06	NS	NA	NA	NS	NA	NA
4th '13	14-Nov-13	1.18E-04	3.39E-06	2.97E-06	5.92E-04	1.27E-05	1.62E-05	NS	NA	NA	NS	NA	NA
2nd '14	16-Apr-14	4.65E-05	1.08E-06	7.35E-07	2.13E-04	5.93E-06	1.31E-05	NS	NA	NA	NS	NA	NA
3rd '14	10-Jun-14	1.23E-05	4.97E-07	6.97E-07	2.46E-05	1.84E-06	4.63E-06	NS	NA	NA	NS	NA	NA
4th '14	25-Nov-14	1.16E-04	2.25E-06	1.53E-06	4.43E-04	1.04E-05	1.94E-05	NS	NA	NA	NS	NA	NA
1st '15	21-Apr-15	2.27E-04	5.01E-06	4.08E-06	5.90E-04	1.16E-05	1.67E-05	4.33E-04	1.86E-05	5.14E-06	3.31E-05	2.15E-06	1.14E-06
2nd '15	15-Jun-15	3.90E-05	1.88E-06	2.71E-06	5.29E-04	1.61E-05	3.36E-05	7.78E-05	8.47E-06	6.43E-06	1.08E-05	1.28E-06	1.21E-06
4th '15	23-Nov-15	1.83E-04	6.96E-06	9.64E-06	8.94E-04	1.43E-05	2.03E-05	4.88E-04	2.91E-05	9.00E-06	7.92E-06	7.67E-07	3.20E-07
2nd '16	14-Apr-16	1.67E-04	4.10E-06	3.65E-06	7.99E-04	2.08E-05	4.12E-05	2.10E-04	2.24E-05	1.39E-05	5.58E-05	5.42E-06	2.10E-06
2nd '16	14-Jun-16	2.90E-05	1.88E-06	3.85E-06	1.95E-04	2.18E-05	5.93E-05	7.04E-05	3.17E-06	1.92E-06	3.70E-06	8.08E-07	1.04E-06
4th '16	11-Nov-16	8.39E-05	2.71E-06	3.21E-06 (5.00E-08)	1.21E-03	2.15E-05	3.78E-05 (1.00E-06)	1.27E-03	4.84E-05	1.10E-05 (2.00E-07)	7.71E-06	1.08E-06	1.32E-06 (2.00E-07)
2nd '17	13-Apr-17	3.05E-05	2.30E-06	4.61E-06 (5.00E-08)	6.14E-04	1.26E-05	1.71E-05 (1.00E-06)	8.20E-04	1.28E-05	2.31E-06 (2.00E-07)	2.91E-06	7.40E-07	1.21E-06 (2.00E-07)
2nd '17	19-Jun-17	3.98E-05	1.17E-06	1.04E-06 (5.00E-08)	5.25E-05	2.68E-06	5.93E-06 (1.00E-06)	1.77E-04	4.52E-06	1.32E-06 (2.00E-07)	1.08E-05	1.12E-06	1.07E-06 (2.00E-07)
4th '17	02-Nov-17	9.70E-05	3.12E-06	3.05E-06 (5.00E-08)	6.36E-04	1.14E-05	1.72E-05 (1.00E-06)	2.52E-04	7.28E-06	3.25E-06 (2.00E-07)	6.82E-06	1.05E-06	2.11E-06 (2.00E-07)
2nd '18	26-Apr-18	5.16E-05	1.21E-06	8.10E-07 (5.00E-08)	3.83E-04	8.29E-06	1.51E-05 (1.00E-06)	4.02E-04	6.92E-06	1.50E-06 (2.00E-07)	4.93E-06	1.99E-06	3.69E-06 (2.00E-07)
2nd '18	20-Jun-18	5.14E-05	2.70E-06	4.37E-06 (5.00E-08)	9.22E-05	7.25E-06	2.08E-05 (1.00E-06)	1.49E-04	4.71E-06	2.17E-06 (2.00E-07)	3.18E-06	5.81E-07	7.45E-07 (2.00E-07)
4th '18	02-Nov-18	1.04E-04	3.19E-06	3.73E-06 (5.00E-08)	4.03E-04	8.74E-06	1.33E-05 (1.00E-06)	6.50E-04	1.85E-05	3.65E-06 (2.00E-07)	9.67E-06	1.19E-06	1.61E-06 (2.00E-07)
2nd '19	25-Apr-19	7.27E-06	1.23E-06	2.84E-06 (5.00E-08)	6.61E-05	1.22E-05	2.95E-05 (1.00E-06)	1.96E-04	5.58E-06	1.78E-06 (2.00E-07)	9.27E-06	1.29E-06	1.30E-06 (2.00E-07)
2nd '19	06-Jun-19	3.54E-05	1.58E-06	2.25E-06 (5.00E-08)	2.18E-04	1.90E-05	2.89E-05 (1.00E-06)	7.00E-05	4.74E-06	3.31E-06 (2.00E-07)	2.56E-05	9.31E-06	1.43E-05 (2.00E-07)

WHITE MESA MILL
 FORAGE RADIONUCLIDE DATA
 SOUTHWEST OF MILL

SAMPLED QTR.	SAMPLED DATE	Ra-226 VALUE (uCi/Kg)	Ra-226 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (5.00E-08)	Pb-210 VALUE (uCi/Kg)	Pb-210 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (1.00E-06)	U-NAT VALUE (uCi/Kg)	U-NAT ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.00E-07)	Th-232 VALUE (uCi/Kg)	Th-232 ERROR (uCi/Kg)	MDC‡ LLD uCi/Kg (2.00E-07)†
4th '19	13-Nov-19	5.12E-05	1.70E-06	1.69E-06 (5.00E-08)	4.10E-04	1.12E-05	2.17E-05 (1.00E-06)	3.48E-05	1.99E-06	1.24E-06 (2.00E-07)	4.56E-06	8.00E-07	2.00E-05 (2.00E-07)
2nd '20	22-Apr-20	1.12E-05	2.81E-06	8.55E-06 (5.00E-08)	7.78E-04	4.16E-05	4.64E-05 (1.00E-06)	1.08E-04	3.30E-06	1.77E-06 (2.00E-07)	8.69E-06	9.94E-07	1.05E-06 (2.00E-07)
2nd '20	12-May-20	9.74E-06	9.18E-07	1.80E-06 (5.00E-08)	5.57E-04	3.36E-05	4.23E-05 (1.00E-06)	4.88E-05	5.30E-06	5.75E-06 (2.00E-07)	8.46E-06	1.06E-06	1.91E-06 (2.00E-07)
4th '20	07-Oct-20	8.59E-05	3.13E-06	4.30E-06 (5.00E-08)	2.15E-04	1.52E-05	1.98E-05 (1.00E-06)	1.12E-04	5.74E-06	4.09E-06 (2.00E-07)	2.16E-06	9.79E-07	1.64E-06 (2.00E-07)
2nd '21	06-Apr-21	4.85E-05	4.92E-06	5.81E-06 (5.00E-08)	7.46E-04	3.31E-05	3.18E-05 (1.00E-06)	1.83E-04	6.52E-06	4.71E-06 (2.00E-07)	4.15E-06	1.13E-06	2.87E-06 (2.00E-07)
2nd '21	09-Jun-21	5.31E-05	2.15E-06	1.98E-06 (5.00E-08)	1.78E-04	7.50E-06	1.61E-05 (1.00E-06)	2.19E-05	1.61E-06	1.50E-06 (2.00E-07)	9.89E-06	1.04E-06	1.15E-06 (2.00E-07)
4th '21	05-Oct-21	2.15E-04	5.14E-06	4.19E-09 (5.00E-08)	5.92E-04	2.07E-05	4.87E-05 (1.00E-06)	8.68E-05	4.04E-06	2.35E-06 (2.00E-07)	1.98E-05	6.85E-06	1.06E-05 (2.00E-07)
2nd '22	19-Apr-22	1.15E-04	3.34E-06	3.05E-06 (5.00E-08)	5.07E-04	1.22E-05	1.89E-05 (1.00E-06)	8.61E-05	3.25E-06	2.43E-06 (2.00E-07)	1.68E-05	1.33E-06	1.25E-06 (2.00E-07)
2nd '22	29-Jun-22	5.37E-05	2.77E-06	3.63E-06 (5.00E-08)	1.95E-04	8.38E-06	1.90E-05 (1.00E-06)	1.82E-05	1.44E-06	1.94E-06 (2.00E-07)	8.50E-06	4.37E-06	1.09E-05 (2.00E-07)

*2nd quarter of 1996 San Juan County, Utah, was declared a disaster area due to drought, no samples were collected during this period

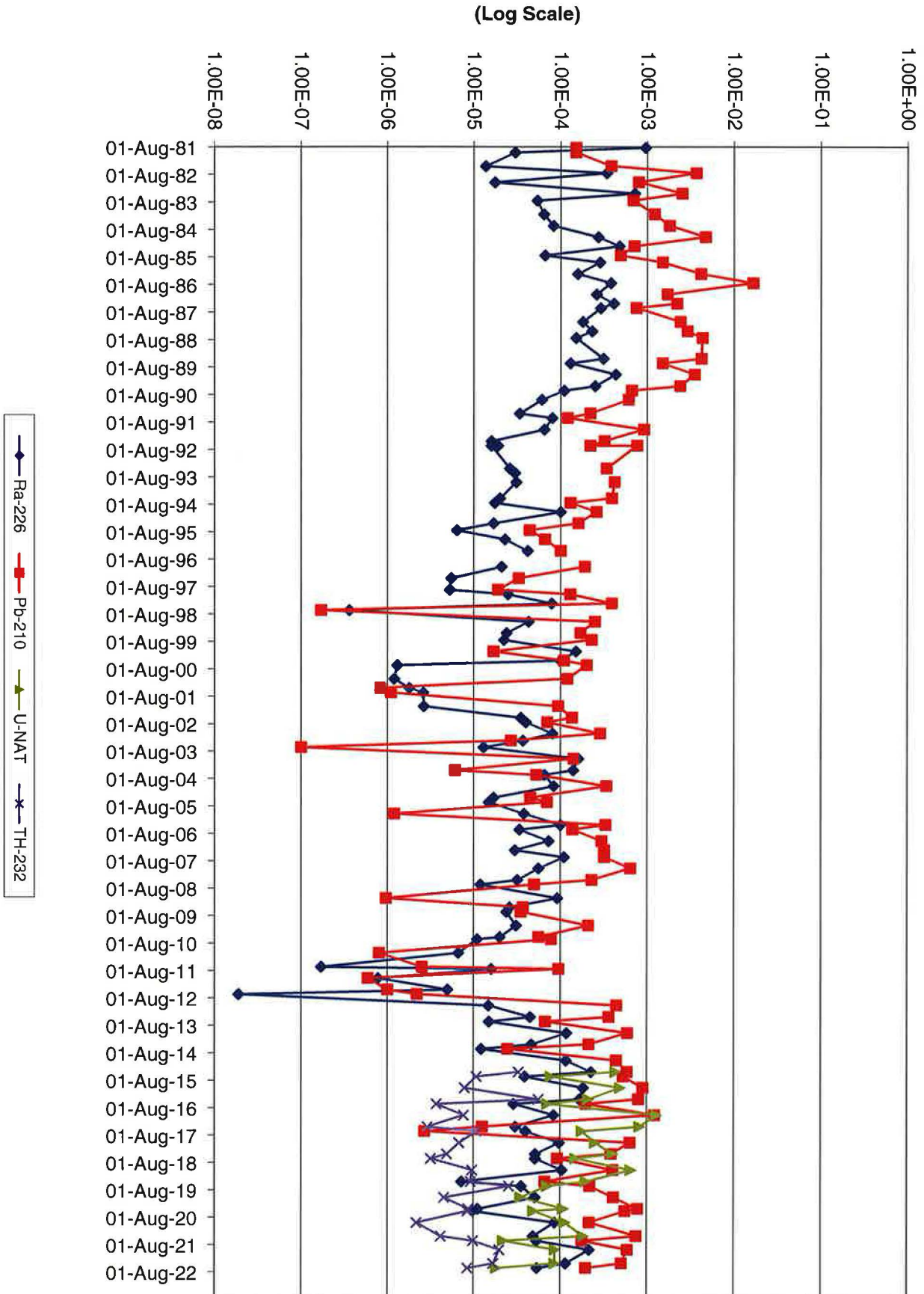
† NRC Regulatory Guide does not specify a Lower Limit of Detection (LLD) for Thorium 232 in vegetation (or any matrix). The LLD for Thorium 230 was used.

NS = Not Sampled

NA = Not Applicable

‡ The value in the MDC column is the sample-specific minimum detectable concentration. The MDC is based on the sample moisture, composition and other sample-specific variables. The value in parantheses is the method-specific lower limit of detection (LLD), which is a limit representing the detection capability of the measurement system. The LLDs in the data package are referred to as the Reporting limit (RL).

WHITE MESA MILL - SOUTHWEST OF MILL Radionuclide Concentrations in Vegetation (uCi/Kg)



GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: North East	Project: DNMI00101
Sample ID: 577268001	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 19-APR-22 08:40	
Receive Date: 21-APR-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232		5.74E-05	+/-2.29E-06	7.61E-07	2.00E-07	uCi/kg			MP2	05/17/22	1633	2263007	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		0.000139	+/-3.04E-06	1.39E-06	2.00E-07	uCi/kg			MP2	05/17/22	1635	2263003	2
Uranium-235/236		9.00E-06	+/-8.84E-07	8.96E-07	2.00E-07	uCi/kg							
Uranium-238		0.000145	+/-3.09E-06	5.02E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000557	+/-1.19E-05	1.98E-05	1.00E-06	uCi/kg			KP1	05/19/22	1857	2261726	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		0.000808	+/-8.61E-06	3.01E-06	5.00E-08	uCi/kg			JXC9	05/24/22	1834	2268495	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	04/25/22	1254	2257804
GEL Prep Method	Laboratory Composite - Dry prep instructions				2256864

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			80.5	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			50	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			113	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			104	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: North East
Sample ID: 577268001

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: North East	Project: DNMI00101
Sample ID: 584722001	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 29-JUN-22 09:00	
Receive Date: 01-JUL-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232		5.17E-06	+/-2.03E-06	3.01E-06	2.00E-07	uCi/kg		MR2	07/30/22	1628	2292840		1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		8.87E-06	+/-1.60E-06	4.13E-06	2.00E-07	uCi/kg		MR2	07/30/22	1611	2292839		2
Uranium-235/236	U	-6.64E-07	+/-1.30E-06	4.73E-06	2.00E-07	uCi/kg							
Uranium-238		8.46E-06	+/-1.33E-06	2.82E-06	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000146	+/-1.04E-05	2.94E-05	1.00E-06	uCi/kg		KP1	08/01/22	1836	2287075		3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		5.15E-05	+/-2.17E-06	3.33E-06	5.00E-08	uCi/kg		JXC9	07/21/22	1856	2287096		4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	07/01/22	1439	2284836
GEL Prep Method	Laboratory Composite - Dry prep instructions				2284750

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			78.1	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			62.2	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			89.5	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			101	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: North East
Sample ID: 584722001

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: North West	Project: DNMI00101
Sample ID: 577268002	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 19-APR-22 09:00	
Receive Date: 21-APR-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232		2.62E-05	+/-1.54E-06	8.95E-07	2.00E-07	uCi/kg			MP2	05/17/22	1633	2263007	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		5.06E-05	+/-1.63E-06	9.98E-07	2.00E-07	uCi/kg			MP2	05/17/22	1635	2263003	2
Uranium-235/236		3.03E-06	+/-4.46E-07	1.89E-07	2.00E-07	uCi/kg							
Uranium-238		5.24E-05	+/-1.64E-06	6.28E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000474	+/-1.26E-05	2.26E-05	1.00E-06	uCi/kg			KP1	05/19/22	1857	2261726	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		0.000280	+/-5.17E-06	2.52E-06	5.00E-08	uCi/kg			JXC9	05/24/22	1834	2268495	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	04/25/22	1254	2257804
GEL Prep Method	Laboratory Composite - Dry prep instructions				2256864

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			83.8	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			67	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			90.9	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			97.3	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: North West
Sample ID: 577268002

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: North West	Project: DNMI00101
Sample ID: 584722002	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 29-JUN-22 08:30	
Receive Date: 01-JUL-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232		2.93E-05	+/-7.24E-06	1.37E-05	2.00E-07	uCi/kg			MR2	08/02/22	1257	2296455	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		8.68E-06	+/-6.80E-07	1.10E-06	2.00E-07	uCi/kg			MR2	07/28/22	1724	2292839	2
Uranium-235/236		9.03E-07	+/-2.55E-07	5.09E-07	2.00E-07	uCi/kg							
Uranium-238		8.46E-06	+/-6.21E-07	5.76E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000125	+/-8.82E-06	2.40E-05	1.00E-06	uCi/kg			KP1	08/01/22	1836	2287075	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		3.87E-05	+/-1.35E-06	1.37E-06	5.00E-08	uCi/kg			JXC9	07/28/22	0744	2287096	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	07/01/22	1439	2284836
GEL Prep Method	Laboratory Composite - Dry prep instructions				2284750

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			90	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			80.5	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			89.5	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			111	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: North West
Sample ID: 584722002

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: South West	Project: DNMI00101
Sample ID: 577268003	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 19-APR-22 10:00	
Receive Date: 21-APR-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232		1.68E-05	+/-1.33E-06	1.25E-06	2.00E-07	uCi/kg			MP2	05/17/22	1633	2263007	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		4.10E-05	+/-1.41E-06	9.84E-07	2.00E-07	uCi/kg			MP2	05/17/22	1635	2263003	2
Uranium-235/236		2.44E-06	+/-4.11E-07	6.44E-07	2.00E-07	uCi/kg							
Uranium-238		4.27E-05	+/-1.43E-06	7.98E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000507	+/-1.22E-05	1.89E-05	1.00E-06	uCi/kg			KP1	05/19/22	1857	2261726	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		0.000115	+/-3.34E-06	3.05E-06	5.00E-08	uCi/kg			JXC9	05/24/22	1834	2268495	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	04/25/22	1254	2257804
GEL Prep Method	Laboratory Composite - Dry prep instructions				2256864

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			79.1	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			74.3	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			93.1	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			103	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: May 25, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: South West
Sample ID: 577268003

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: Vegetation Analysis

Client Sample ID: South West	Project: DNMI00101
Sample ID: 584722003	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 29-JUN-22 08:00	
Receive Date: 01-JUL-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "Dry Weight Corrected"													
Thorium-232	U	8.50E-06	+/-4.37E-06	1.09E-05	2.00E-07	uCi/kg		MR2	08/02/22	1257	2296455		1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		9.17E-06	+/-6.59E-07	1.08E-06	2.00E-07	uCi/kg		MR2	07/28/22	1724	2292839		2
Uranium-235/236		7.92E-07	+/-2.13E-07	3.56E-07	2.00E-07	uCi/kg							
Uranium-238		8.21E-06	+/-5.71E-07	5.05E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000195	+/-8.38E-06	1.90E-05	1.00E-06	uCi/kg		KP1	08/01/22	1836	2287075		3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		5.37E-05	+/-2.77E-06	3.63E-06	5.00E-08	uCi/kg		JXC9	07/21/22	1857	2287096		4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CM2	07/01/22	1439	2284836
GEL Prep Method	Laboratory Composite - Dry prep instructions				2284750

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	DOE EML HASL-300, Th-01-RC Modified	
2	DOE EML HASL-300, U-02-RC Modified	
3	DOE RP280 Modified	
4	EPA 903.0	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			79.8	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			71.7	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			99.6	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			54.7	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 3, 2022

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: Vegetation Analysis

Client Sample ID: South West
Sample ID: 584722003

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
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Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

SQL: Sample Quantitation Limit



May 25, 2022

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: Vegetation Analysis
Work Order: 577268

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 21, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Joanne Harley for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures



Energy Fuels Resources (USA), Inc.
Vegetation Analysis
SDG: 577268

Case Narrative

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 577268

May 25, 2022

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on April 21, 2022 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

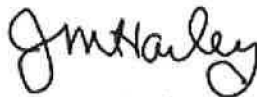
Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
577268001	North East
577268002	North West
577268003	South West

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.



Joanne Harley for
Julie Robinson
Project Manager

Chain of Custody and Supporting Documentation

577268

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories **Contact:** Tanner Holliday
2040 Savage Road Ph: 435 678 2221
Charleston, SC 29407 tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
Early Spring Vegetation 2022	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
North East	4/19/2022	840	Ra 226, U-Nat, Th-232, PB 210
North West	4/19/2022	900	Ra 226, U-Nat, Th-232, PB 210
South West	4/19/2022	1000	Ra 226, U-Nat, Th-232, PB 210
			Weights:
			North East 3000+ G
			North West 3000+ G
			South West 3000+ G
* Please use caution when handling samples. Some plants have thorns.			
Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com			

Relinquished By:(Signature) <i>Tanner Holliday</i> Tanner Holliday	Date/Time 4/19/2022 1100	Received By:(Signature) <i>[Signature]</i>	Date/Time <i>4/19/2022</i> 1015
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

JAR

SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMI</u>		SDG/AR/COC/Work Order: <u>577-268</u>			
Received By: <u>DC</u>		Date Received: <u>4-21-22</u>			
Carrier and Tracking Number		FedEx Express FedEx Ground <u>UPS</u> Field Services Courier Other <u>1Z 187 Y4V 0291 802071</u>			
Suspected Hazard Information		Yes No *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.			
A) Shipped as a DOT Hazardous?		Hazard Class Shipped: _____ UN#: _____ If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___			
B) Did the client designate the samples are to be received as radioactive?		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No COC notation or radioactive stickers on containers equal client designation.			
C) Did the RSO classify the samples as radioactive?		Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3			
D) Did the client designate samples are hazardous?		<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No COC notation or hazard labels on containers equal client designation.			
E) Did the RSO identify possible hazards?		If D or E is yes, select Hazards below. <input checked="" type="checkbox"/> PCB's <input checked="" type="checkbox"/> Flammable <input checked="" type="checkbox"/> Foreign Soil <input checked="" type="checkbox"/> RCRA <input checked="" type="checkbox"/> Asbestos <input checked="" type="checkbox"/> Beryllium Other: _____			
Sample Receipt Criteria		Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: _____ *all temperatures are recorded in Celsius TEMP: <u>20</u>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Temperature Device Serial #: <u>IR2-22</u> Secondary Temperature Device Serial # (If Applicable): _____
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	If Yes, are Enpores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___ Sample ID's and containers affected: _____
8	Samples received within holding time?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ID's and tests affected: _____
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ID's and containers affected: _____
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: No dates on containers <u>No times on containers</u> COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):					

PM (or PMA) review: Initials NRC Date 4/22/22 Page 1 of 1

GEL Laboratories LLC – Login Review Report

Report Date: 25-MAY-22
 Work Order: 577268
 Page 1 of 3

GEL Work Order/SDG: 577268 Early Spring Vegetation 2022
 Client SDG: 577268
 Project Manager: Julie Robinson
 Project Name: DNMI00101 Vegetation Analysis
 Purchase Order: DW16138
 Package Level: LEVEL3
 EDD Format: EIM_DNMI

Work Order Due Date: 23-MAY-22
 Package Due Date: 22-MAY-22
 EDD Due Date: 22-MAY-22
 Due Date: 23-MAY-22
 NG1

Collector: C
 Prelogin #: 20180673982
 Project Workdef ID: 1310529
 SDG Status: Closed
 Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
577268001	North East		19-APR-22 08:40	21-APR-22 10:15	-2	1	VEGETATION		32		1		
577268002	North West		19-APR-22 09:00	21-APR-22 10:15	-2	1	VEGETATION		32		1		
577268003	South West		19-APR-22 10:00	21-APR-22 10:15	-2	1	VEGETATION		32		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 North East	REVV	GFPC, Pb210, Solid				Client Matrix	SOLID
	REVV	Laboratory Composite - Dry prep instructions					
	REVV	GFPC, Total Alpha Radium, solid	Ra226				
	REVV	Alphaspec Th-232, Solid					
	REVV	Alphaspec U, Solid	U-Natural				
-002 North West	REVV	GFPC, Pb210, Solid				Client Matrix	SOLID
	REVV	Laboratory Composite - Dry prep instructions					
	REVV	GFPC, Total Alpha Radium, solid	Ra226				
	REVV	Alphaspec Th-232, Solid					
	REVV	Alphaspec U, Solid	U-Natural				
-003 South West	REVV	GFPC, Pb210, Solid				Client Matrix	SOLID
	REVV	Laboratory Composite - Dry prep instructions					
	REVV	GFPC, Total Alpha Radium, solid	Ra226				
	REVV	Alphaspec Th-232, Solid					
	REVV	Alphaspec U, Solid	U-Natural				

GEL Laboratories LLC – Login Review Report

Report Date: 25-MAY-22

Work Order: 577268

Page 2 of 3

Product: LABCOMP_S Workdef ID: 1310628 In Product Group? No Group Name: Group Reference:
 Method: Path: Rad Soil Prep SPRP
 Product Description: Laboratory Composite – Dry prep instructions Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "As Received"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
							No

Product: GFC_PBS Workdef ID: 1310600 In Product Group? No Group Name: Group Reference:
 Method: DOE RP280 Modified Path: Standard (Dry)
 Product Description: GFPC, Pb210, Solid Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
14255-04-0	Lead-210	.000001	uCi/kg	REG	Y	Y	Yes

Product: GFCTORAS Workdef ID: 1310679 In Product Group? No Group Name: Group Reference:
 Method: EPA 903.0 Path: Standard (Dry)
 Product Description: GFPC, Total Alpha Radium, solid Product Reference: Ra226
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Total Radium	.00000005	uCi/kg	REG	Y	Y	Yes

Product: ASP_THS Workdef ID: 1370540 In Product Group? No Group Name: Group Reference:
 Method: DOE EML HASL-300, Th-01-RC Modified Path: Standard (Dry)
 Product Description: Alphaspec Th-232, Solid Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
7440-29-1	Thorium-232	.0000002	uCi/kg	REG	Y	Y	Yes

GEL Laboratories LLC – Login Review Report

Report Date: 25-MAY-22

Work Order: 577268

Page 3 of 3

Product: ASP__UUS Workdef ID: 1370669 In Product Group? No Group Name: Group Reference:
 Method: DOE EML HASL-300, U-02-RC Modified Path: Standard (Dry)
 Product Description: Alphaspec U, Solid Product Reference: U-Natural
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"

Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
13968-55-3/13966-	Uranium-233/234	.0000002	uCi/kg	REG	Y	Y	Yes
15117-96-1/13982-	Uranium-235/236	.0000002	uCi/kg	REG	Y	Y	
7440-61-1	Uranium-238	.0000002	uCi/kg	REG	Y	Y	

Action	Product Name	Description	Samples
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Contingent Tests

Login Requirements:

Requirement	Include?	Comments
LOGIN: Are these vegetation sample?	Y	FOR VEGETATION: After logging in, make sure it is DRY in sample inquiry.
Login Reminder?	N	FOR VEGETATION: After logging in, make sure it is DRY in sample inquiry.

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

Laboratory Certifications

List of current GEL Certifications as of 25 May 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-4
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019-165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

**Radiochemistry
 Technical Case Narrative
 Energy Fuels Resources
 SDG #: 577268**

Product: Alphaspec U, Solid
Analytical Method: DOE EML HASL-300, U-02-RC Modified
Analytical Procedure: GL-RAD-A-011 REV# 28
Analytical Batch: 2263003

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2257804

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2256864

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
577268001	North East
577268002	North West
577268003	South West
1205085311	Method Blank (MB)
1205085312	577268003(South West) Sample Duplicate (DUP)
1205085313	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample

The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205085312 (South WestDUP)	Uranium-235/236	RPD 22.4* (0.00%-20.00%) RER 0.99 (0-3)

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
--------	---------	-------

1205085311 (MB)	Uranium-233/234	Result 0.000000165 < MDA 0.000000668 > RDL 0.0000002 uCi/kg
	Uranium-235/236	Result 0.0000000921 < MDA 0.000000441 > RDL 0.0000002 uCi/kg
	Uranium-238	Result 0.000000224 < MDA 0.000000412 > RDL 0.0000002 uCi/kg

Product: Alphaspec Th-232, Solid

Analytical Method: DOE EML HASL-300, Th-01-RC Modified

Analytical Procedure: GL-RAD-A-038 REV# 18

Analytical Batch: 2263007

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2257804

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2256864

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
577268001	North East
577268002	North West
577268003	South West
1205085323	Method Blank (MB)
1205085324	577268003(South West) Sample Duplicate (DUP)
1205085325	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205085323 (MB)	Thorium-232	Result 0.000000433 < MDA 0.00000069 > RDL 0.0000002 uCi/kg

Product: Dry Weight
Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2257804

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2256864

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
577268001	North East
577268002	North West
577268003	South West

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Pb210, Solid
Analytical Method: DOE RP280 Modified
Analytical Procedure: GL-RAD-A-018 REV# 16
Analytical Batch: 2261726

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2257804

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2256864

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
577268001	North East
577268002	North West
577268003	South West
1205082847	Method Blank (MB)
1205082848	577268001(North East) Sample Duplicate (DUP)
1205082849	577268001(North East) Matrix Spike (MS)
1205082850	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205082847 (MB)	Lead-210	Result -0.000103 < MDA 0.0000298 > RDL 0.000001 uCi/kg

Technical Information

Negative > 3 sigma TPU

Sample result was more negative than the three sigma TPU. The background control chart was examined and the detector was determined to be fully functional.

Sample	Analyte	Value
1205082847 (MB)	Lead-210	Negative Result > 3 sigma value

Miscellaneous Information

Additional Comments

The matrix spike, 1205082849 (North EastMS), aliquot was reduced to conserve sample volume.

Product: GFPC, Total Alpha Radium, solid

Analytical Method: EPA 903.0

Analytical Procedure: GL-RAD-A-010 REV# 21

Analytical Batch: 2268495

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2257804

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2256864

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
577268001	North East
577268002	North West
577268003	South West
1205096887	Method Blank (MB)
1205096888	577268002(North West) Sample Duplicate (DUP)
1205096889	577268002(North West) Matrix Spike (MS)
1205096890	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205096887 (MB)	Total Radium	Result 0.0000001 < MDA 0.00000311 > RDL 0.00000005 uCi/kg

Technical Information

Sample Re-prep/Re-analysis

Samples were reprepared due to low recovery. The re-analysis is being reported.

Miscellaneous Information

Additional Comments

The matrix spike, 1205096889 (North WestMS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 577268 GEL Work Order: 577268

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Theresa Austin

Date: 25 MAY 2022

Title: Group Leader

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: May 25, 2022

Page 1 of

Energy Fuels Resources (USA), Inc.
 225 Union Boulevard
 Suite 600
 Lakewood, Colorado

Contact: Ms. Kathy Weinel
 Workorder: 577268

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<hr/>											
Rad Alpha Spec											
Batch	2263003										
QC1205085312	577268003 DUP										
Uranium-233/234		4.10E-05		4.00E-05	uCi/kg	2.42		(0%-20%)	MP2	05/17/22	16:3
	Uncertainty	+/-1.41E-06		+/-1.34E-06							
Uranium-235/236		2.44E-06		3.06E-06	uCi/kg	22.4*		(0%-20%)			
	Uncertainty	+/-4.11E-07		+/-4.31E-07							
Uranium-238		4.27E-05		4.32E-05	uCi/kg	1.1		(0%-20%)			
	Uncertainty	+/-1.43E-06		+/-1.39E-06							
QC1205085313	LCS										
Uranium-233/234				6.94E-05	uCi/kg					05/17/22	16:3
	Uncertainty			+/-1.64E-06							
Uranium-235/236				4.47E-06	uCi/kg						
	Uncertainty			+/-4.68E-07							
Uranium-238	6.92E-05			7.41E-05	uCi/kg		107	(75%-125%)			
	Uncertainty			+/-1.69E-06							
QC1205085311	MB										
Uranium-233/234			U	1.65E-07	uCi/kg					05/17/22	16:3
	Uncertainty			+/-1.94E-07							
Uranium-235/236			U	9.21E-08	uCi/kg						
	Uncertainty			+/-1.30E-07							
Uranium-238			U	2.24E-07	uCi/kg						
	Uncertainty			+/-1.39E-07							
<hr/>											
Batch	2263007										
QC1205085324	577268003 DUP										
Thorium-232		1.68E-05		1.68E-05	uCi/kg	0.174		(0%-20%)	MP2	05/17/22	16:3
	Uncertainty	+/-1.33E-06		+/-1.24E-06							
QC1205085325	LCS										
Thorium-232	0.000132			0.000129	uCi/kg		98	(75%-125%)		05/17/22	16:3
	Uncertainty			+/-3.23E-06							

GEL LABORATORIES LLC

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QC Summary

Workorder: 577268

Page 2 of

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch	2263007										
QC1205085323	MB										
Thorium-232			U	4.33E-07	uCi/kg				MP2	05/17/22	16:3
	Uncertainty			+/-2.59E-07							
Rad Gas Flow											
Batch	2261726										
QC1205082848	577268001 DUP										
Lead-210		0.000557		0.000571	uCi/kg	2.52		(0%-20%)	KP1	05/19/22	18:5
	Uncertainty	+/-1.19E-05		+/-1.99E-05							
QC1205082850	LCS										
Lead-210	0.00823			0.00752	uCi/kg		91.4	(75%-125%)		05/19/22	14:1
	Uncertainty			+/-0.000123							
QC1205082847	MB										
Lead-210			U	-0.000103	uCi/kg					05/19/22	18:5
	Uncertainty			+/-7.57E-06							
QC1205082849	577268001 MS										
Lead-210	0.0335	0.000557		0.0303	uCi/kg		88.9	(75%-125%)		05/19/22	14:1
	Uncertainty	+/-1.19E-05		+/-0.000531							
Batch	2268495										
QC1205096888	577268002 DUP										
Total Radium		0.000280		0.000267	uCi/kg	4.77		(0%-20%)	JXC9	05/24/22	18:3
	Uncertainty	+/-5.17E-06		+/-5.36E-06							
QC1205096890	LCS										
Total Radium	0.00536			0.00451	uCi/kg		84.2	(75%-125%)		05/24/22	15:3
	Uncertainty			+/-6.62E-05							
QC1205096887	MB										
Total Radium			U	1.00E-07	uCi/kg					05/24/22	18:3
	Uncertainty			+/-8.56E-07							
QC1205096889	577268002 MS										
Total Radium	0.0220	0.000280		0.0227	uCi/kg		102	(75%-125%)		05/24/22	15:3
	Uncertainty	+/-5.17E-06		+/-0.000358							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 577268

Page 3 of

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
>											
A											
B											
BD											
C											
D											
F											
H											
K											
L											
M											
M											
N/A											
N1											
ND											
NJ											
Q											
R											
U											
UI											
UJ											
UL											
X											
Y											
^											
h											

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



August 03, 2022

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: Vegetation Analysis
Work Order: 584722

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures



Energy Fuels Resources (USA), Inc.
Vegetation Analysis
SDG: 584722

Case Narrative

**Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 584722**

August 03, 2022

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on July 01, 2022 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
584722001	North East
584722002	North West
584722003	South West

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.



Julie Robinson
Project Manager

Chain of Custody and Supporting Documentation

584722

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories Contact: Tanner Holliday
2040 Savage Road Ph: 435 678 2221
Charleston, SC 29407 tholliday@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
Late Spring Vegetation 2022	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
North East	6/29/2022	900	Ra 226, U-Nat, Th-232, PB 210
North West	6/29/2022	830	Ra 226, U-Nat, Th-232, PB 210
South West	6/29/2022	800	Ra 226, U-Nat, Th-232, PB 210
			Weights:
			North East: 3000 Grams
			North West: 3000 Grams
			South east: 3000 Grams
			* Please use caution when handling samples. Some plants may have thorns.
Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com			

Relinquished By:(Signature) <i>Tanner Holliday</i>	Date/Time 6/29/2022 1130	Received By:(Signature) <i>[Signature]</i>	Date/Time 7-1-22 0945
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

SAMPLE RECEIPT & REVIEW FORM

JAR

Client: DNM	SDG/AR/COC/Work Order: 584-722
Received By: DC	Date Received: 7-1-22
Carrier and Tracking Number	FedEx Express FedEx Ground <u>UPS</u> Field Services Courier Other 1Z 197Y4Y0Z91520273

Suspected Hazard Information	Yes <input type="checkbox"/> No <input type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: _____ UN#: _____ If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___
B) Did the client designate the samples are to be received as radioactive?	<input checked="" type="checkbox"/>	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?	<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?	<input checked="" type="checkbox"/>	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?	<input checked="" type="checkbox"/>	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other: _____

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 < 6 deg. C)?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice <u>None</u> Other: _____ *all temperatures are recorded in Celsius TEMP: 27°
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>IR2-22</u> Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If Yes, are Encores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer)
				Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No)
				Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___ Sample ID's and containers affected: _____
8 Samples received within holding time?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected: _____
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected: _____
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12 Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials RW Date 7/5/22 Page ___ of ___

GEL Laboratories LLC – Login Review Report

Report Date: 03-AUG-22

Work Order: 584722

Page 1 of 3

GEL Work Order/SDG: 584722 Late Spring Vegetation 2022
 Client SDG: 584722
 Project Manager: Julie Robinson
 Project Name: DNMI00101 Vegetation Analysis
 Purchase Order: DW16138
 Package Level: LEVEL3
 EDD Format: EIM_DNMI

Work Order Due Date: 02-AUG-22
 Package Due Date: 01-AUG-22
 EDD Due Date: 01-AUG-22
 Due Date: 02-AUG-22
 JAR1

Collector: C
 Prelogin #: 202207152907
 Project Workdef ID: 1310529
 SDG Status: Closed
 Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
584722001	North East		29-JUN-22 09:00	01-JUL-22 09:45	-2	1	VEGETATION		32		1		
584722002	North West		29-JUN-22 08:30	01-JUL-22 09:45	-2	1	VEGETATION		32		1		
584722003	South West		29-JUN-22 08:00	01-JUL-22 09:45	-2	1	VEGETATION		32		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 North East	REVV	GFPC, Pb210, Solid				Client Matrix	SOLID
	REVV	Laboratory Composite – Dry prep instructions					
	REVV	GFPC, Total Alpha Radium, solid	Ra226				
	REVV	Alphaspec Th-232, Solid					
-002 North West	REVV	Alphaspec U, Solid	U-Natural				
	-002 North West	REVV	GFPC, Pb210, Solid			Client Matrix	SOLID
		REVV	Laboratory Composite – Dry prep instructions				
		REVV	GFPC, Total Alpha Radium, solid	Ra226			
REVV		Alphaspec Th-232, Solid					
-003 South West	REVV	Alphaspec U, Solid	U-Natural				
	-003 South West	REVV	GFPC, Pb210, Solid			Client Matrix	SOLID
		REVV	Laboratory Composite – Dry prep instructions				
		REVV	GFPC, Total Alpha Radium, solid	Ra226			
REVV		Alphaspec Th-232, Solid					
	REVV	Alphaspec U, Solid	U-Natural				

GEL Laboratories LLC – Login Review Report

Report Date: 03-AUG-22

Work Order: 584722

Page 2 of 3

Product: LABCOMP_S Workdef ID: 1310628 In Product Group? No Group Name: Group Reference:

Method: Path: Rad Soil Prep SPRP
 Product Description: Laboratory Composite – Dry prep instructions Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "As Received"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
							No

Product: GFC_PBS Workdef ID: 1310600 In Product Group? No Group Name: Group Reference:

Method: DOE RP280 Modified Path: Standard (Dry)
 Product Description: GFPC, Pb210, Solid Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
14255-04-0	Lead-210	.000001	uCi/kg	REG	Y	Y	Yes

Product: GFCTORAS Workdef ID: 1310679 In Product Group? No Group Name: Group Reference:

Method: EPA 903.0 Path: Standard (Dry)
 Product Description: GFPC, Total Alpha Radium, solid Product Reference: Ra226
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Total Radium	.00000005	uCi/kg	REG	Y	Y	Yes

Product: ASP_THS Workdef ID: 1370540 In Product Group? No Group Name: Group Reference:

Method: DOE EML HASL-300, Th-01-RC Modified Path: Standard (Dry)
 Product Description: Alphaspec Th-232, Solid Product Reference:
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
7440-29-1	Thorium-232	.0000002	uCi/kg	REG	Y	Y	Yes

GEL Laboratories LLC – Login Review Report

Report Date: 03-AUG-22
 Work Order: 584722
 Page 3 of 3

Product: ASP_UUS Workdef ID: 1370669 In Product Group? No Group Name: Group Reference:
 Method: DOE EML HASL-300, U-02-RC Modified Path: Standard (Dry)
 Product Description: Alphaspec U, Solid Product Reference: U-Natural
 Samples: 001, 002, 003 Moisture Correction: "Dry Weight Corrected"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
13968-55-3/13966-	Uranium-233/234	.0000002	uCi/kg	REG	Y	Y	Yes
15117-96-1/13982-	Uranium-235/236	.0000002	uCi/kg	REG	Y	Y	
7440-61-1	Uranium-238	.0000002	uCi/kg	REG	Y	Y	

Action	Product Name	Description	Samples
Contingent Tests			

Login Requirements:

Requirement	Include?	Comments
LOGIN: Are these vegetation sample?	Y	FOR VEGETATION: After logging in, make sure it is DRY in sample inquiry.
Login Reminder?	N	FOR VEGETATION: After logging in, make sure it is DRY in sample inquiry.

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

Laboratory Certifications

List of current GEL Certifications as of 03 August 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019-165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

**Radiochemistry
 Technical Case Narrative
 Energy Fuels Resources
 SDG #: 584722**

Product: Alphaspec U, Solid

Analytical Method: DOE EML HASL-300, U-02-RC Modified

Analytical Procedure: GL-RAD-A-011 REV# 28

Analytical Batch: 2292839

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
584722001	North East
584722002	North West
584722003	South West
1205145165	Method Blank (MB)
1205145167	Laboratory Control Sample (LCS)
1205145555	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205145165 (MB)	Uranium-233/234	Result -0.000000213 < MDA 0.000000668 > RDL 0.0000002 uCi/kg
	Uranium-235/236	Result -0.000000165 < MDA 0.000000526 > RDL 0.0000002 uCi/kg
	Uranium-238	Result -0.000000267 < MDA 0.000000574 > RDL 0.0000002 uCi/kg

Sample (See Below) did not meet the detection limit due to limited sample volume. Sample was counted the maximum count time in order to achieve the lowest MDAs possible.

Sample	Analyte	Value
584722001 (North East)	Uranium-235/236	Result -0.000000664 < MDA 0.00000473 > RDL 0.0000002 uCi/kg

Technical Information

Sample Re-prep/Re-analysis

Samples were reprepared due to low carrier/tracer yield. The re-analysis is being reported.

Recounts

Samples 1205145165 (MB) and 584722001 (North East) were recounted due to high MDCs. The recounts are reported.

Miscellaneous Information

Additional Comments

The tracer peak centroid for sample 584722001 (North East) is greater than 50 keV from the expected library energy value for the tracer; however, the tracer yield requirement was met and the tracer peak is within the tracer region of interest.

Product: Alphaspec Th-232, Solid

Analytical Method: DOE EML HASL-300, Th-01-RC Modified

Analytical Procedure: GL-RAD-A-038 REV# 18

Analytical Batch: 2292840

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
584722001	North East
1205145168	Method Blank (MB)
1205145170	Laboratory Control Sample (LCS)
1205145557	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205145168 (MB)	Thorium-232	Result -0.00000108 < MDA 0.0000105 > RDL 0.0000002 uCi/kg

Technical Information

Sample Re-prep/Re-analysis

Sample 584722001 (North East) was re-prepped due to low carrier/tracer yield. The re-analysis is being reported.

Recounts

Sample 584722001 (North East) was recounted due to high MDC. The recount is reported. Sample 1205145168 (MB) was recounted due to high MDC. The original count is reported.

Miscellaneous Information

Manual Integration

Manual integrations of alpha spectroscopy spectra 1205145168 (MB) and 584722001 (North East) were performed to fully separate counts in Regions of Interest which would have been biased.

Product: Alphaspec Th-232, Solid

Analytical Method: DOE EML HASL-300, Th-01-RC Modified

Analytical Procedure: GL-RAD-A-038 REV# 18

Analytical Batch: 2296455

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
584722002	North West
584722003	South West
1205151808	Method Blank (MB)
1205151809	Laboratory Control Sample (LCS)
1205151810	Laboratory Control Sample Duplicate (LCSD)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205151808 (MB)	Thorium-232	Result 0.00000591 < MDA 0.0000133 > RDL 0.0000002 uCi/kg

Sample (See Below) did not meet the detection limit due to the small sample aliquot used. The aliquot was reduced due to the matrix of the sample. The sample was counted the maximum count time in order to achieve the lowest possible MDAs.

Sample	Analyte	Value
584722003 (South West)	Thorium-232	Result 0.0000085 < MDA 0.0000109 > RDL 0.0000002 uCi/kg

Technical Information

Sample Re-prep/Re-analysis

Samples 584722002 (North West) and 584722003 (South West) were reprepared twice due to low tracer yields. The third analysis is being reported.

Miscellaneous Information

Manual Integration

Manual integration of alpha spectroscopy spectra 1205151808 (MB) was performed to fully separate counts in Regions of Interest which would have been biased.

Product: Dry Weight

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#

584722001

Client Sample Identification

North East

584722002 North West
584722003 South West

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: GFPC, Pb210, Solid
Analytical Method: DOE RP280 Modified
Analytical Procedure: GL-RAD-A-018 REV# 16
Analytical Batch: 2287075

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
584722001	North East
584722002	North West
584722003	South West
1205134615	Method Blank (MB)
1205134616	584722001(North East) Sample Duplicate (DUP)
1205134617	584722001(North East) Matrix Spike (MS)
1205134618	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix

Samples were non-homogenous matrix. samples are twigs, dirt, and wood

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205134615 (MB)	Lead-210	Result -0.00000374 < MDA 0.0000209 > RDL 0.000001 uCi/kg

Product: GFPC, Total Alpha Radium, solid

Analytical Method: EPA 903.0

Analytical Procedure: GL-RAD-A-010 REV# 21

Analytical Batch: 2287096

Preparation Method: Dry Soil Prep

Preparation Procedure: GL-RAD-A-021 REV# 24

Preparation Batch: 2284836

Composite Preparation Method: GEL Prep Method

Composite Preparation Procedure: GL-RAD-A-026 REV# 18

Composite Preparation Batch: 2284750

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
584722001	North East
584722002	North West
584722003	South West
1205134658	Method Blank (MB)
1205134659	584722002(North West) Sample Duplicate (DUP)
1205134660	584722002(North West) Matrix Spike (MS)
1205134661	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on a "dry weight" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix

Samples were non-homogenous matrix. samples are sticks, dirt, and pieces of wood

Quality Control (QC) Information

RDL Met

The blank (See Below) did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots.

Sample	Analyte	Value
1205134658 (MB)	Total Radium	Result 0.000000471 < MDA 0.00000301 > RDL 0.00000005 uCi/kg

Technical Information

Recounts

Samples 1205134659 (North WestDUP) and 584722002 (North West) were recounted due to high relative percent difference/relative error ratio. The recounts are reported.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report for

DNMI001 Energy Fuels Resources (USA), Inc.
Client SDG: 584722 GEL Work Order: 584722

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Theresa Austin

Date: 03 AUG 2022

Title: Group Leader

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: August 3, 2022

Page 1 of

Energy Fuels Resources (USA), Inc.
 225 Union Boulevard
 Suite 600
 Lakewood, Colorado

Contact: Ms. Kathy Weinel

Workorder: 584722

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<hr/>											
Rad Alpha Spec											
Batch		2292839									
QC1205145167	LCS										
Uranium-233/234				6.44E-05	uCi/kg				MR2	07/28/22	17:2
	Uncertainty			+/-1.37E-06							
Uranium-235/236				4.63E-06	uCi/kg						
	Uncertainty			+/-4.27E-07							
Uranium-238	6.87E-05			6.90E-05	uCi/kg		100	(75%-125%)			
	Uncertainty			+/-1.42E-06							
QC1205145555	LCSD										
Uranium-233/234				6.85E-05	uCi/kg	6.17				07/28/22	17:2
	Uncertainty			+/-1.43E-06							
Uranium-235/236				4.83E-06	uCi/kg	4.13					
	Uncertainty			+/-4.42E-07							
Uranium-238	6.87E-05			7.08E-05	uCi/kg	2.52	103	(0%-20%)			
	Uncertainty			+/-1.45E-06							
QC1205145165	MB										
Uranium-233/234			U	-2.13E-07	uCi/kg					07/30/22	16:1
	Uncertainty			+/-1.77E-07							
Uranium-235/236			U	-1.65E-07	uCi/kg						
	Uncertainty			+/-1.32E-07							
Uranium-238			U	-2.67E-07	uCi/kg						
	Uncertainty			+/-1.42E-07							
<hr/>											
Batch		2292840									
QC1205145170	LCS										
Thorium-232				0.000915	uCi/kg		100	(75%-125%)	MR2	07/28/22	16:4
	Uncertainty			+/-3.10E-05							
QC1205145557	LCSD										
Thorium-232				0.000915	uCi/kg	4.94	105	(0%-20%)		07/28/22	16:4
	Uncertainty			+/-2.63E-05							

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QC Summary

Workorder: 584722

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Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch	2292840										
QC1205145168	MB										
Thorium-232			U	-1.08E-06	uCi/kg				MR2	07/28/22	16:4
	Uncertainty			+/-2.62E-06							
<hr/>											
Batch	2296455										
QC1205151809	LCS										
Thorium-232	0.00165			0.00181	uCi/kg		109	(75%-125%)	MR2	08/02/22	12:5
	Uncertainty			+/-5.42E-05							
QC1205151810	LCSD										
Thorium-232	0.00165			0.00168	uCi/kg	7.44	101	(0%-20%)		08/02/22	12:5
	Uncertainty			+/-5.38E-05							
QC1205151808	MB										
Thorium-232			U	5.91E-06	uCi/kg					08/02/22	12:5
	Uncertainty			+/-4.41E-06							
<hr/>											
Rad Gas Flow											
Batch	2287075										
QC1205134616	584722001	DUP									
Lead-210				0.000146	8.89E-05	uCi/kg	48.7	(0% - 100%)	KP1	08/01/22	18:3
	Uncertainty			+/-1.04E-05	+/-1.45E-05						
QC1205134618	LCS										
Lead-210	0.00823			0.00768	uCi/kg		93.3	(75%-125%)		08/01/22	11:3
	Uncertainty			+/-0.000117							
QC1205134615	MB										
Lead-210			U	-3.74E-06	uCi/kg					08/01/22	18:3
	Uncertainty			+/-6.10E-06							
QC1205134617	584722001	MS									
Lead-210	0.00831	0.000146		0.00780	uCi/kg		92.1	(75%-125%)		08/01/22	11:3
	Uncertainty			+/-1.04E-05	+/-0.000123						
<hr/>											
Batch	2287096										
QC1205134659	584722002	DUP									
Total Radium				3.87E-05	3.32E-05	uCi/kg	15.2	(0%-20%)	JXC9	07/25/22	18:5
	Uncertainty			+/-1.35E-06	+/-1.56E-06						
QC1205134661	LCS										
Total Radium	0.00520			0.00493	uCi/kg		95	(75%-125%)		07/21/22	16:2
	Uncertainty			+/-5.58E-05							

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QC Summary

Workorder: 584722

Page 3 of

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2287096										
QC1205134658	MB										
Total Radium			U	4.71E-07	uCi/kg				JXC9	07/21/22	18:5
	Uncertainty			+/-8.69E-07							
QC1205134660	584722002	MS									
Total Radium	0.00532	3.87E-05		0.00447	uCi/kg		83.3	(75%-125%)		07/21/22	16:2
	Uncertainty	+/-1.35E-06		+/-6.78E-05							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- NI See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the CRDL.
- UI Gamma Spectroscopy--Uncertain identification
- UJ Gamma Spectroscopy--Uncertain identification
- UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound

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QC Summary

Workorder: 584722

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
----------	-----	--------	------	----	-------	------	------	-------	-------	------	------

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

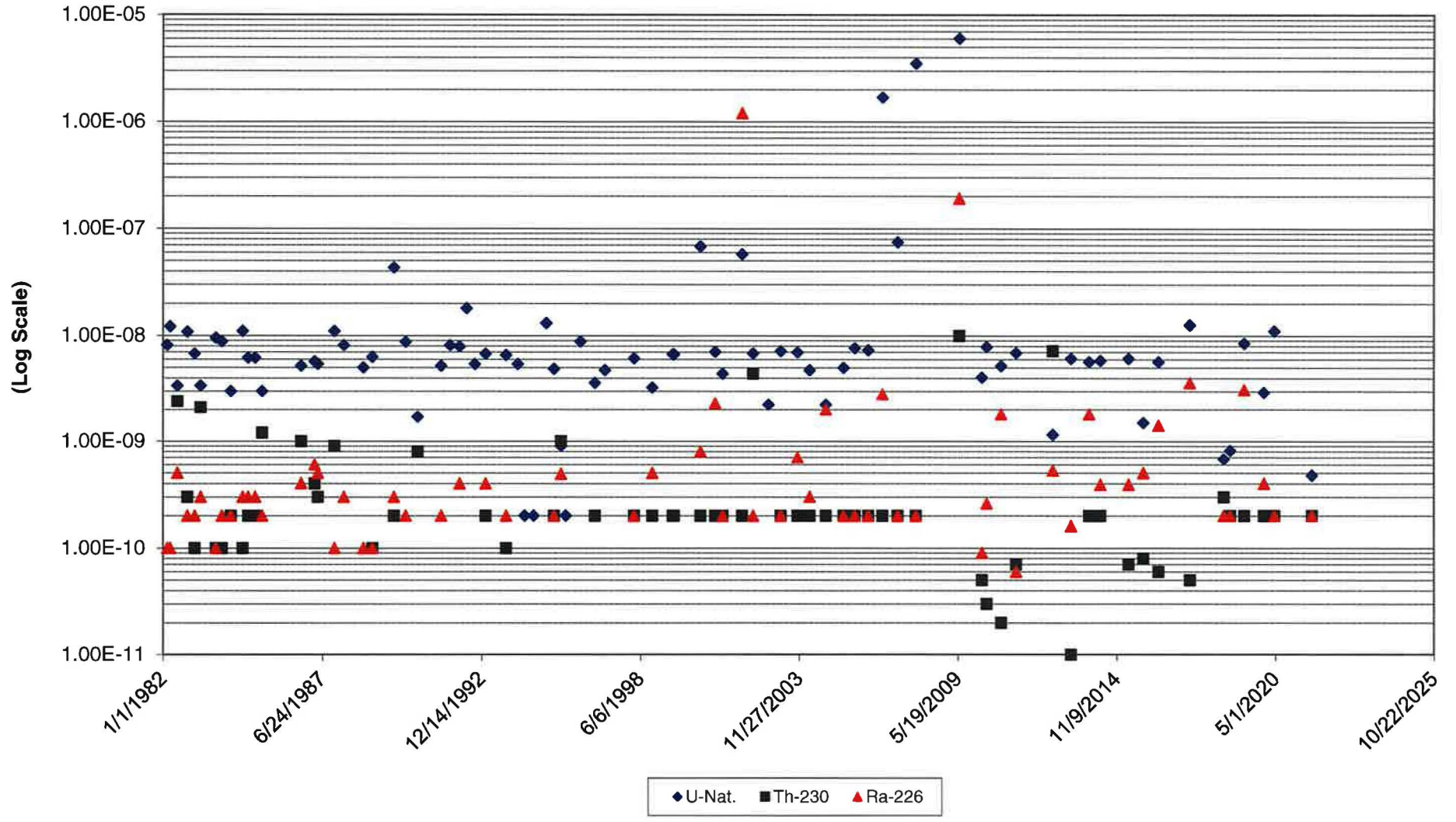
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

ATTACHMENT G
STACK SAMPLE LABORATORY RESULTS

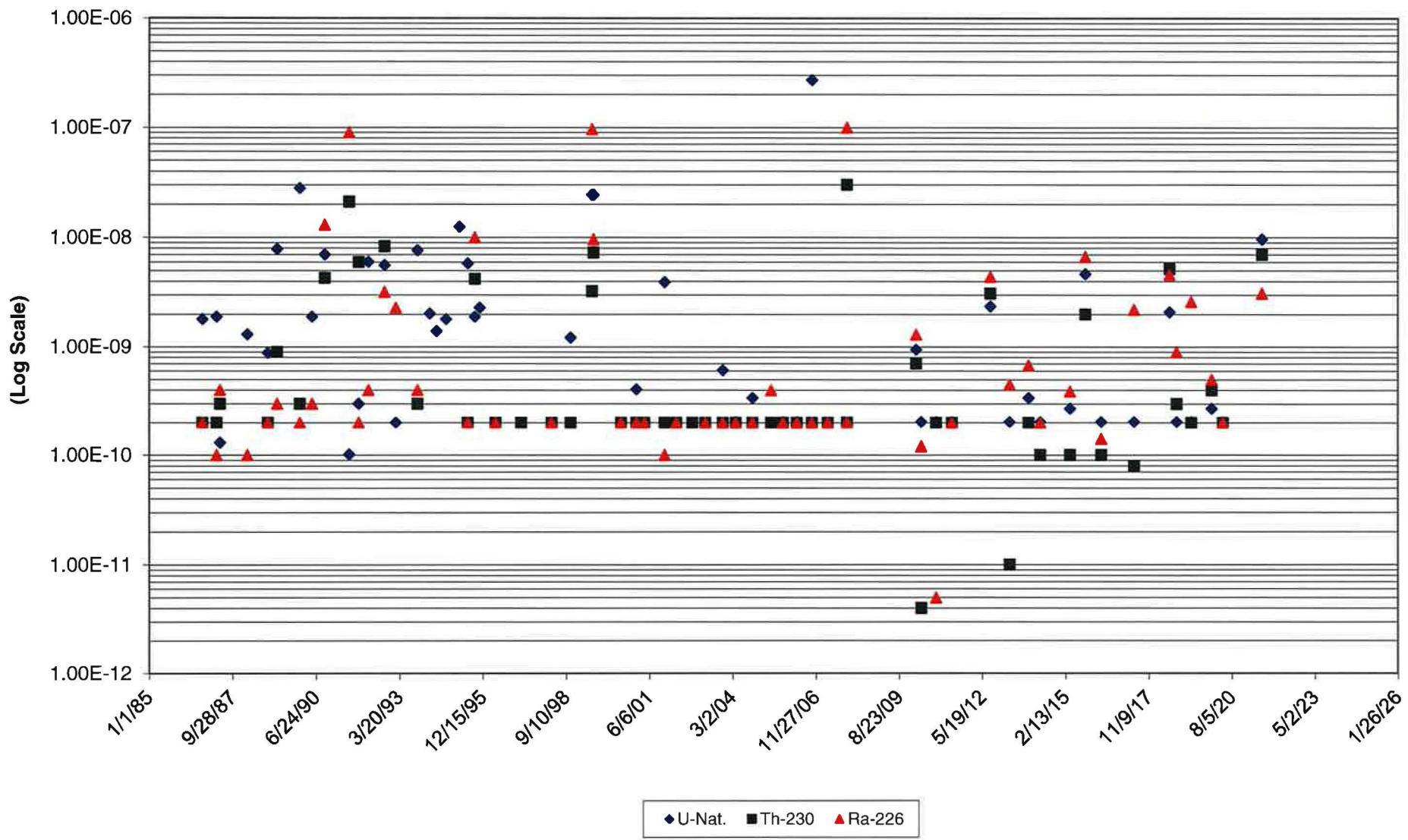
This attachment has been deliberately left blank.

ATTACHMENT H
SURFACE WATER GRAPHS AND FIELD DATA SHEETS

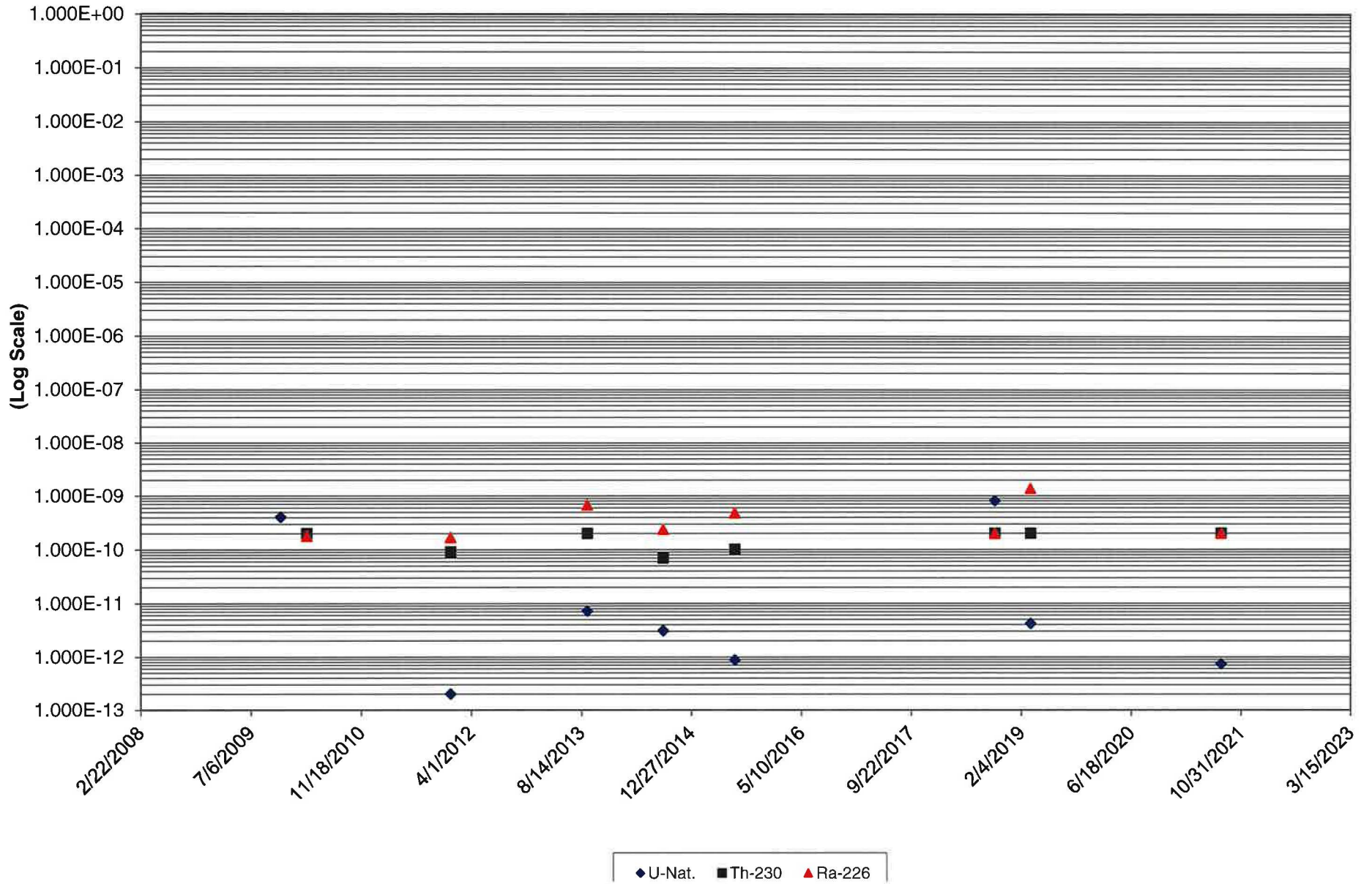
Cottonwood Creek Dissolved Radionuclide Concentrations (uCi/ml)



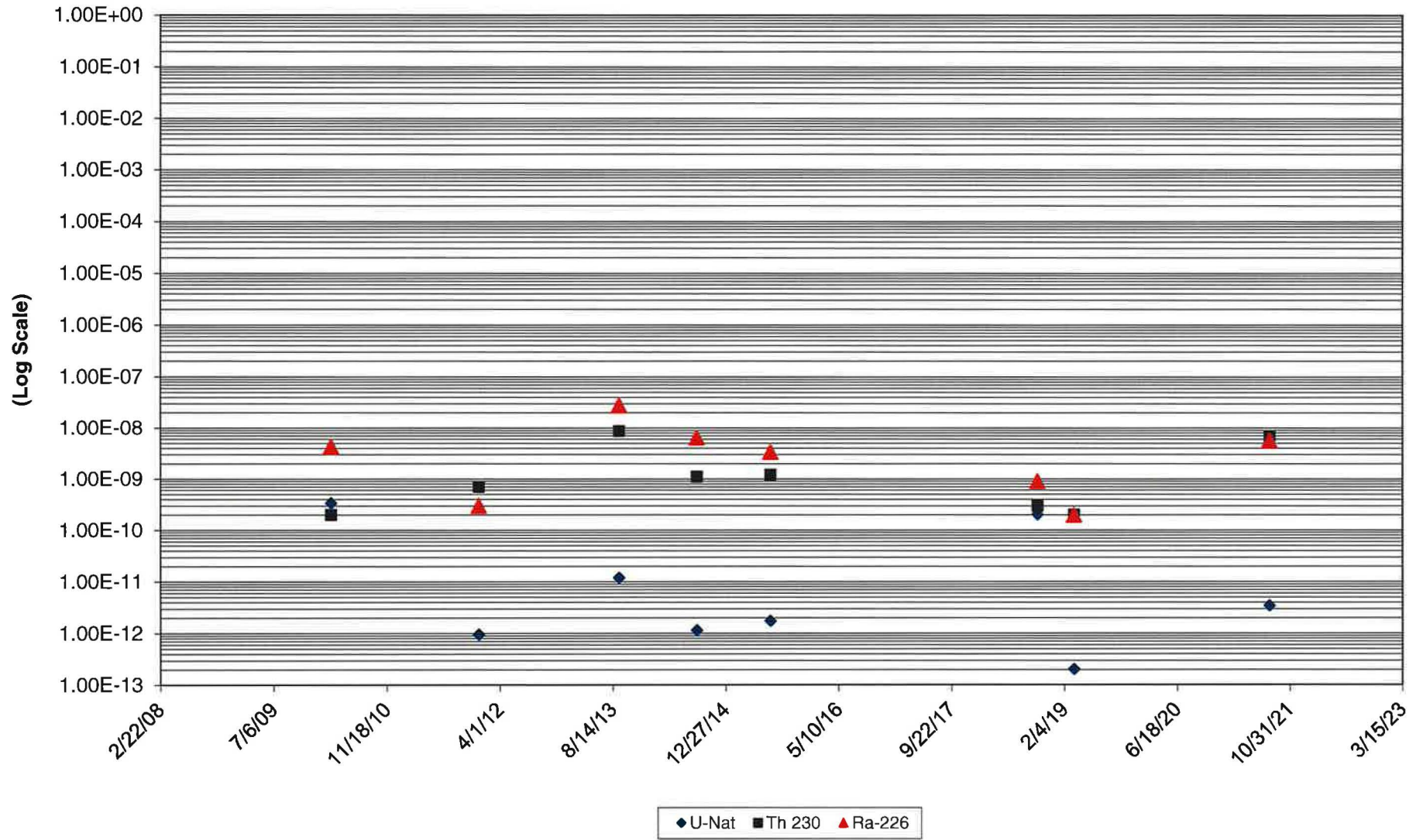
Cottonwood Creek Suspended Radionuclide Concentrations (uCi/ml)



Westwater Creek Dissolved Radionuclide Concentrations (uCi/ml)



Westwater Creek Suspended Radionuclide Concentrations (uCi/ml)



Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 2/9/22, 2/17/22, 3/16/22

BY: TH
(Sampler's initials)

pH BUFFER 7.0 -

pH BUFFER 4.0 -

SPECIFIC CONDUCTIVITY -

μ MHOs

STEAM DEPTH: -

pH of WATER -

TEMP -

COND μ mhos -

COND μ mhos -

pH Units -

pH units -

Temp °C -

Temp °C -

COND μ mhos -

COND μ mhos -

pH units -

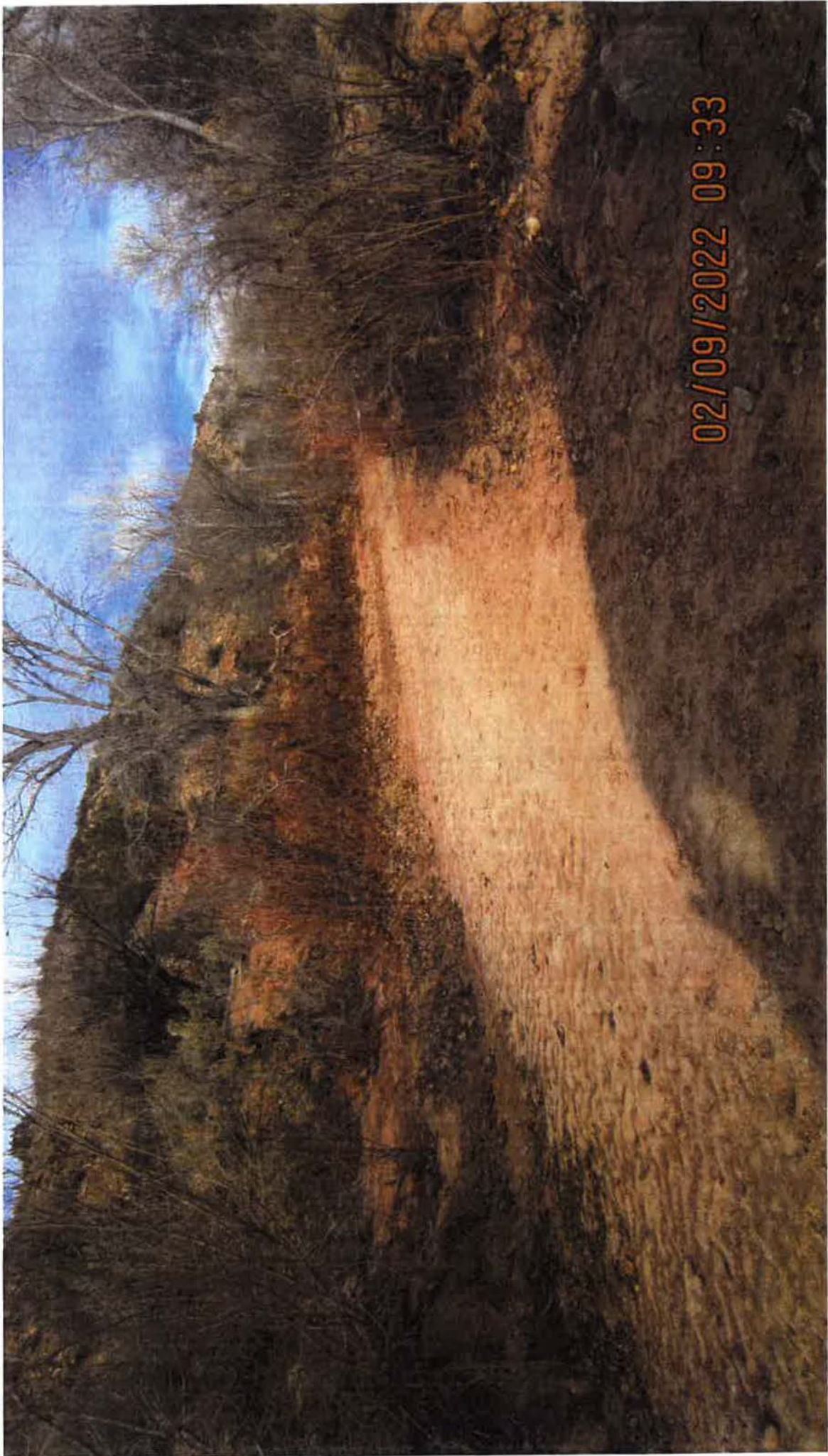
pH units -

Temp °C -

Temp °C -

Comments:

Cottonwood was dry for all three sampling attempts







03/16/2022 12:06

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek ~~Westwater Canyon~~ Other (describe) _____

DATE: 4/6/2022, 5/6/2022, 6/22/2022

BY: TH
(Sampler's initials)

pH BUFFER 7.0 _____ - _____

pH BUFFER 4.0 _____ - _____

SPECIFIC CONDUCTIVITY _____ - _____ μ MHOs

STEAM DEPTH: _____ - _____

pH of WATER _____ - _____

TEMP _____ - _____

COND μ hos _____ - _____

COND μ hos _____ - _____

pH Units _____ - _____

pH units _____ - _____

Temp °C _____ - _____

Temp °C _____ - _____

COND μ hos _____ - _____

COND μ hos _____ - _____

pH units _____ - _____

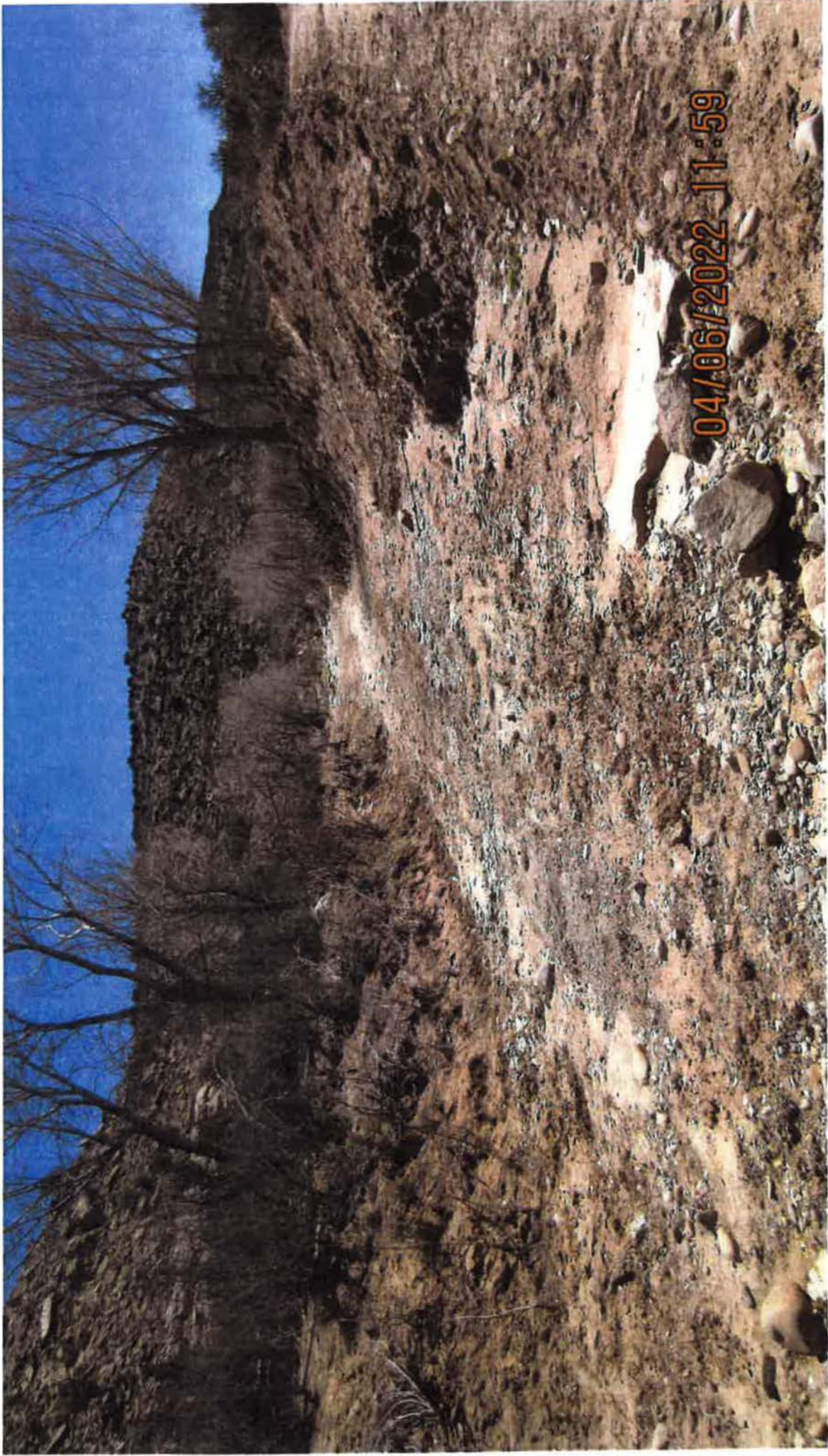
pH units _____ - _____

Temp °C _____ - _____

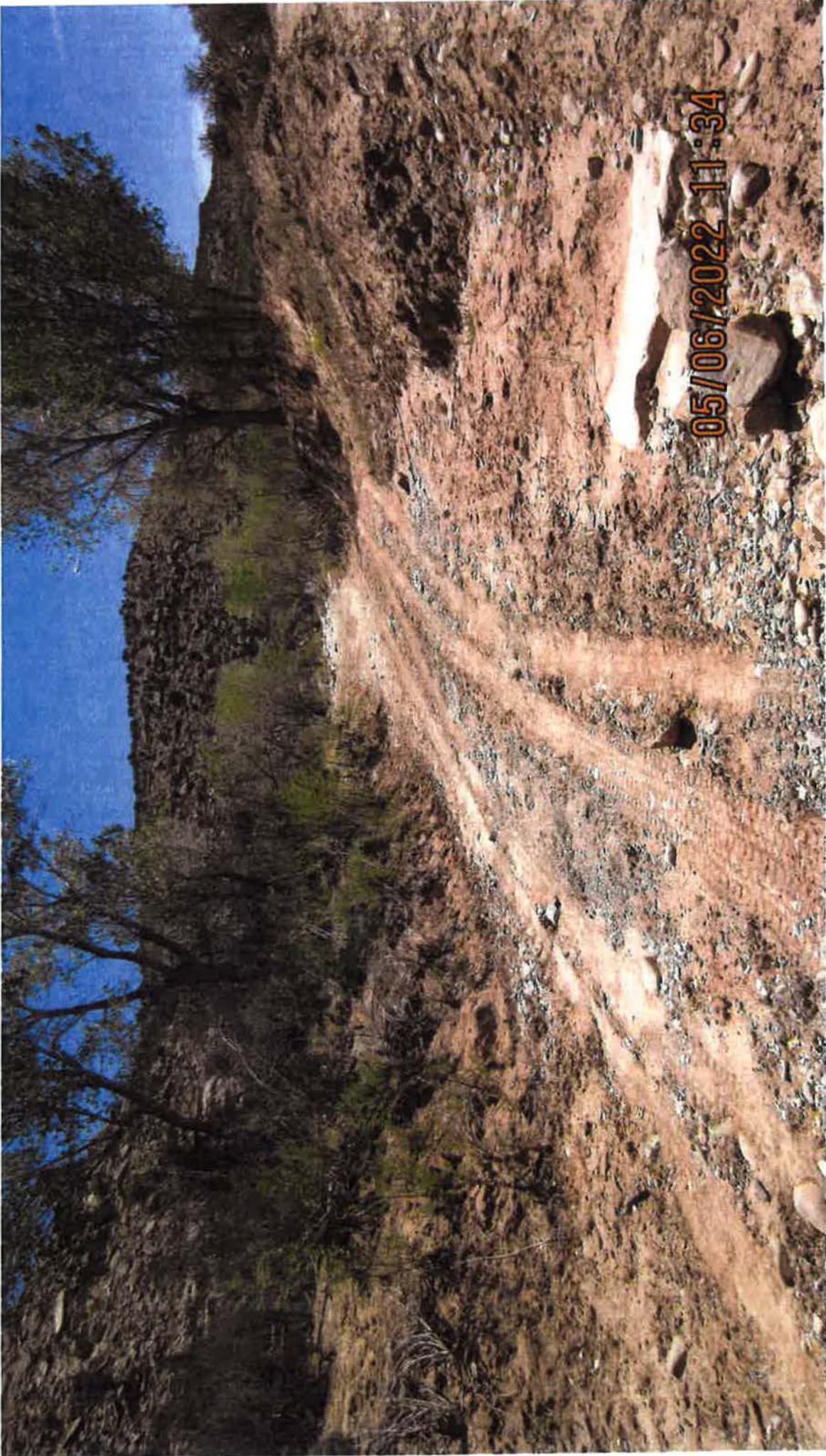
Temp °C _____ - _____

Comments:

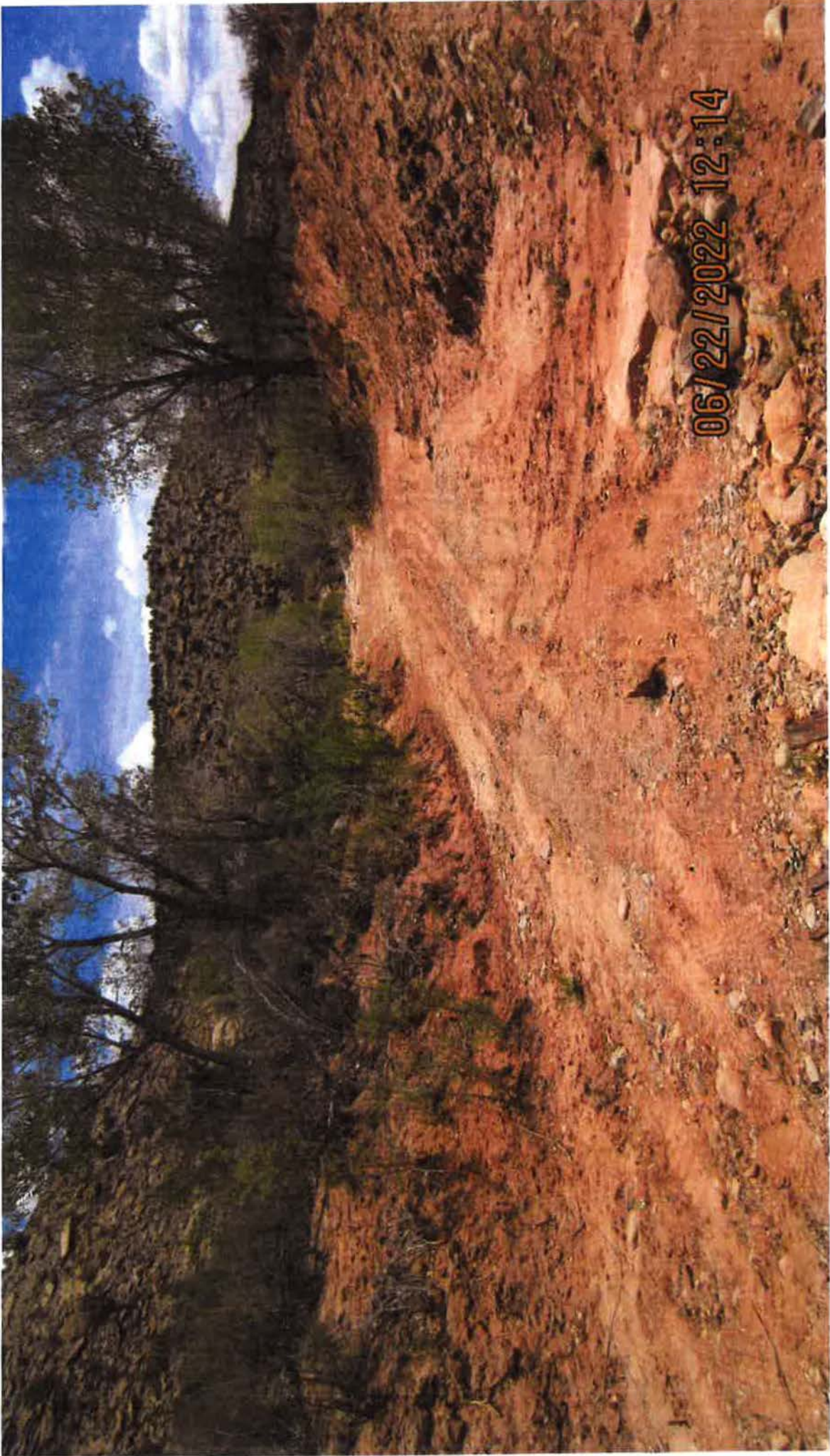
Cottonwood creek was dry for three attempts.



04/06/2022 11:59



05/06/2022 11:34



06/22/2022 12:14

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 2/9/22, 2/17/22, 3/16/22

BY: TH
(Sampler's initials)

pH BUFFER 7.0 -

pH BUFFER 4.0 -

SPECIFIC CONDUCTIVITY -

μ MHOs

STEAM DEPTH: -

pH of WATER -

TEMP -

COND μ hos -

COND μ hos -

pH Units -

pH units -

Temp °C -

Temp °C -

COND μ hos -

COND μ hos -

pH units -

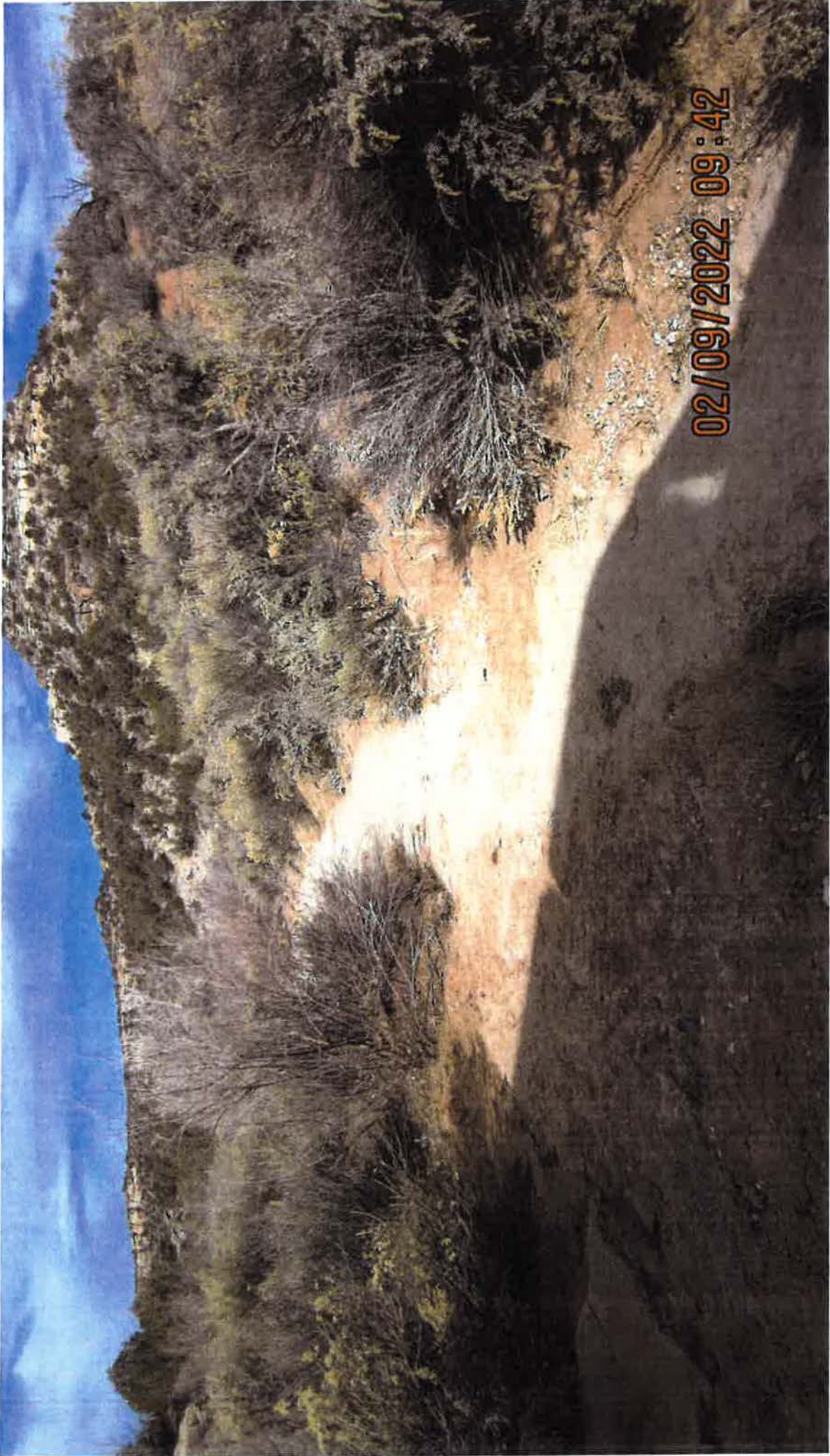
pH units -

Temp °C -

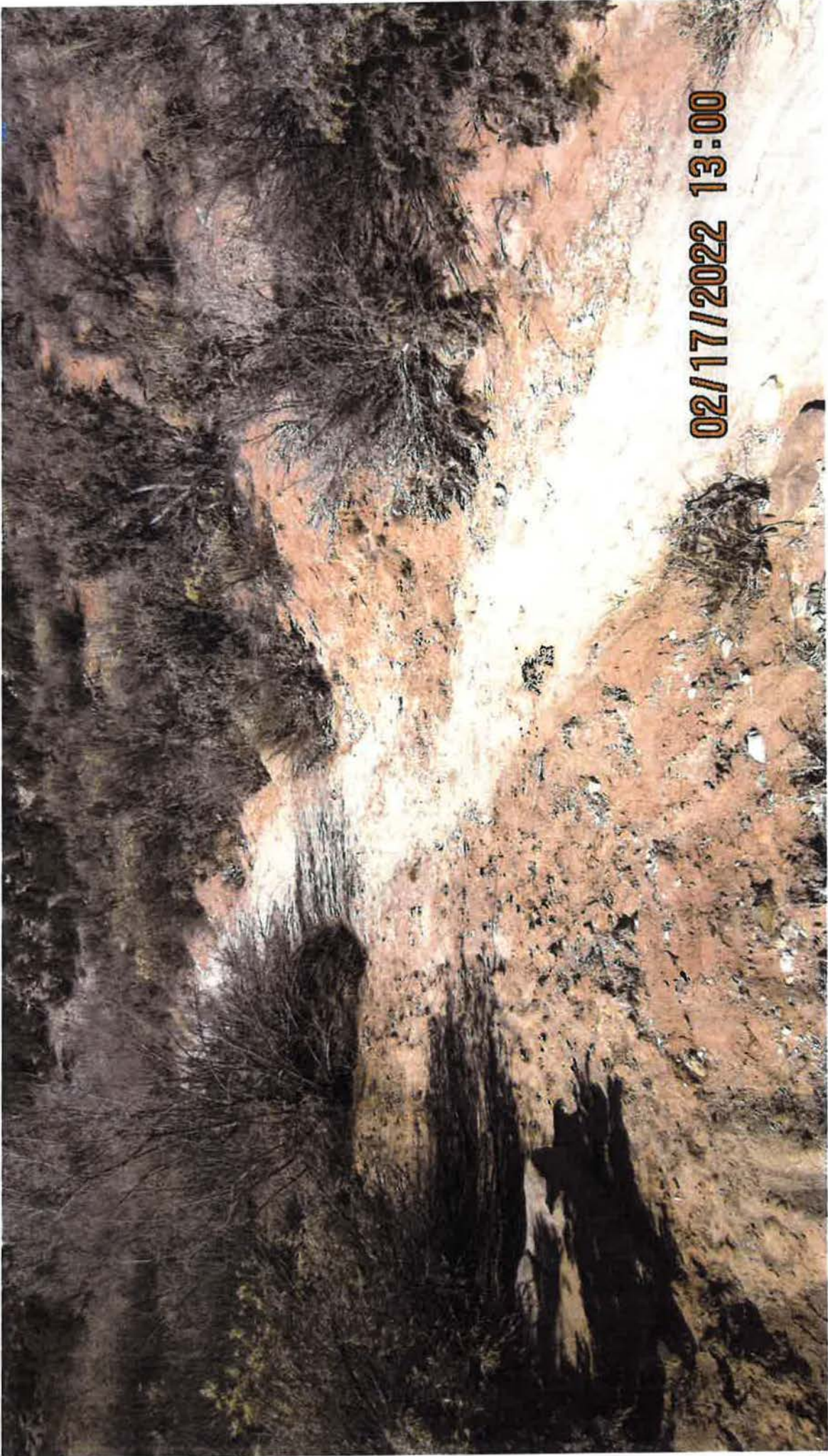
Temp °C -

Comments:

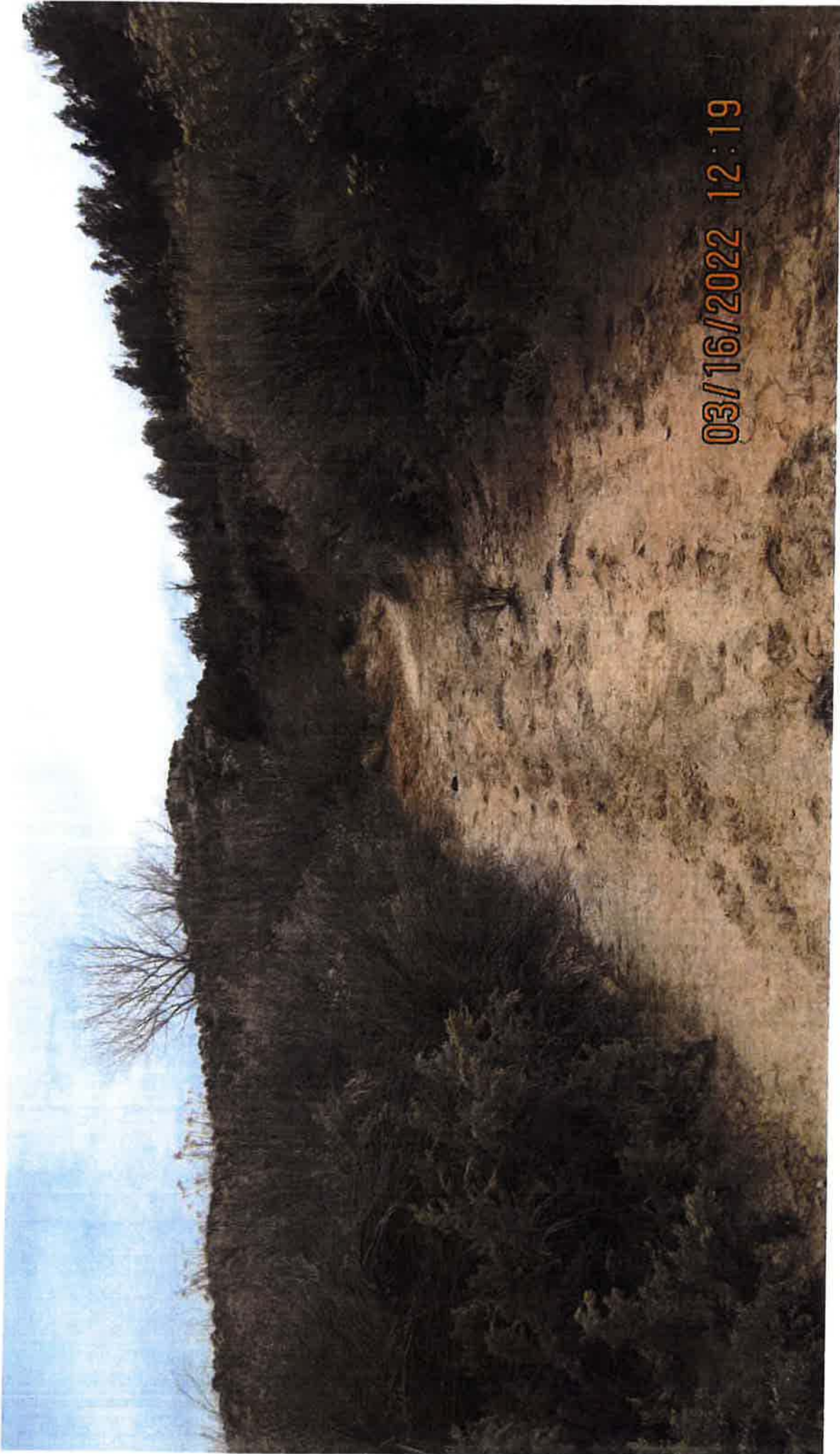
Westwater was dry for all three sampling attempts.



02/09/2022 09:42



02/17/2022 13:00



03/16/2022 12:19

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 4/6/2022, 5/6/2022, 6/22/2022

BY: TJ
(Sampler's initials)

pH BUFFER 7.0 _____

pH BUFFER 4.0 _____

SPECIFIC CONDUCTIVITY _____

μ MHOs

STEAM DEPTH: _____

pH of WATER _____

TEMP _____

COND μ mos _____

COND μ mos _____

pH Units _____

pH units _____

Temp °C _____

Temp °C _____

COND μ mos _____

COND μ mos _____

pH units _____

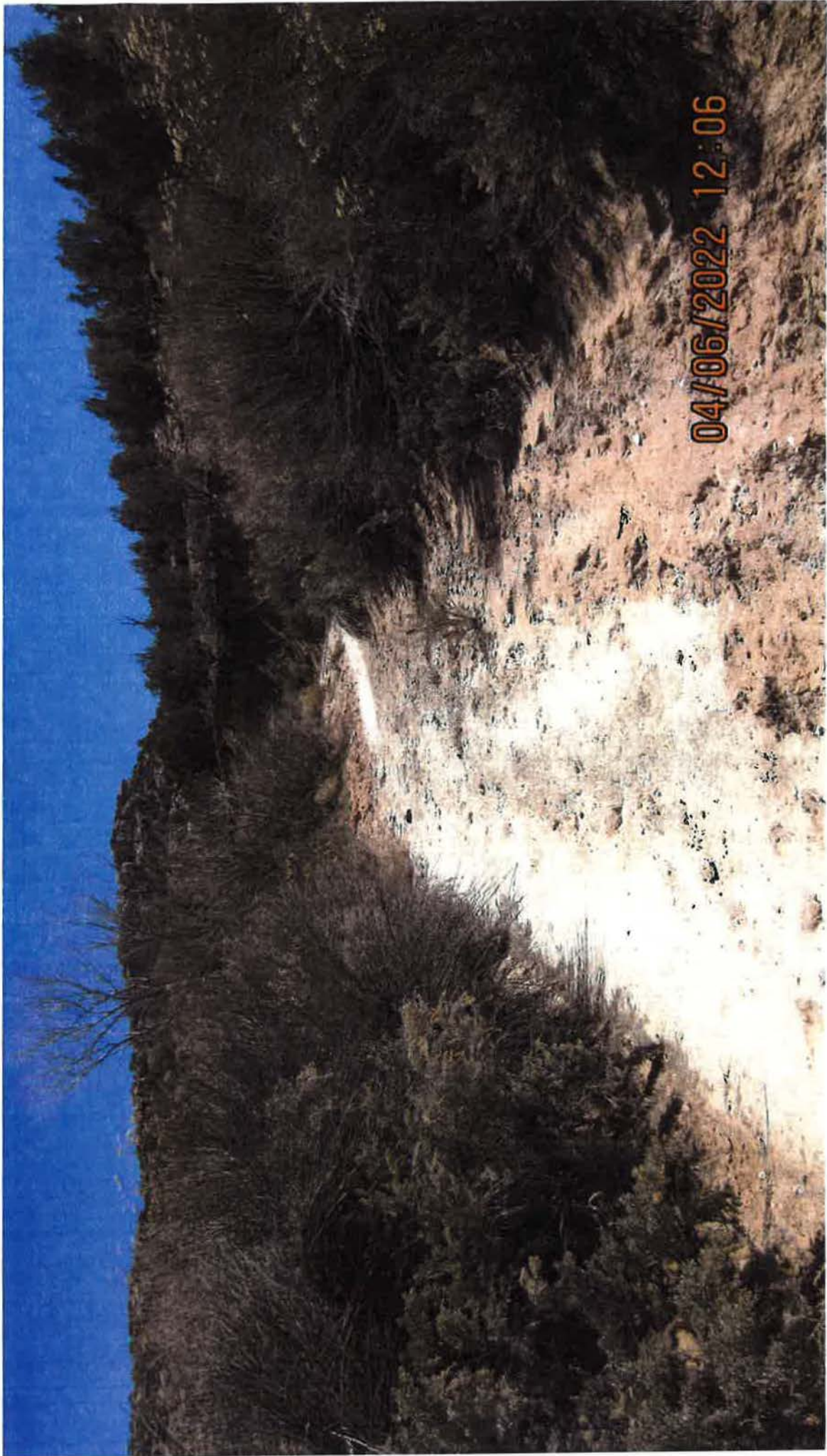
pH units _____

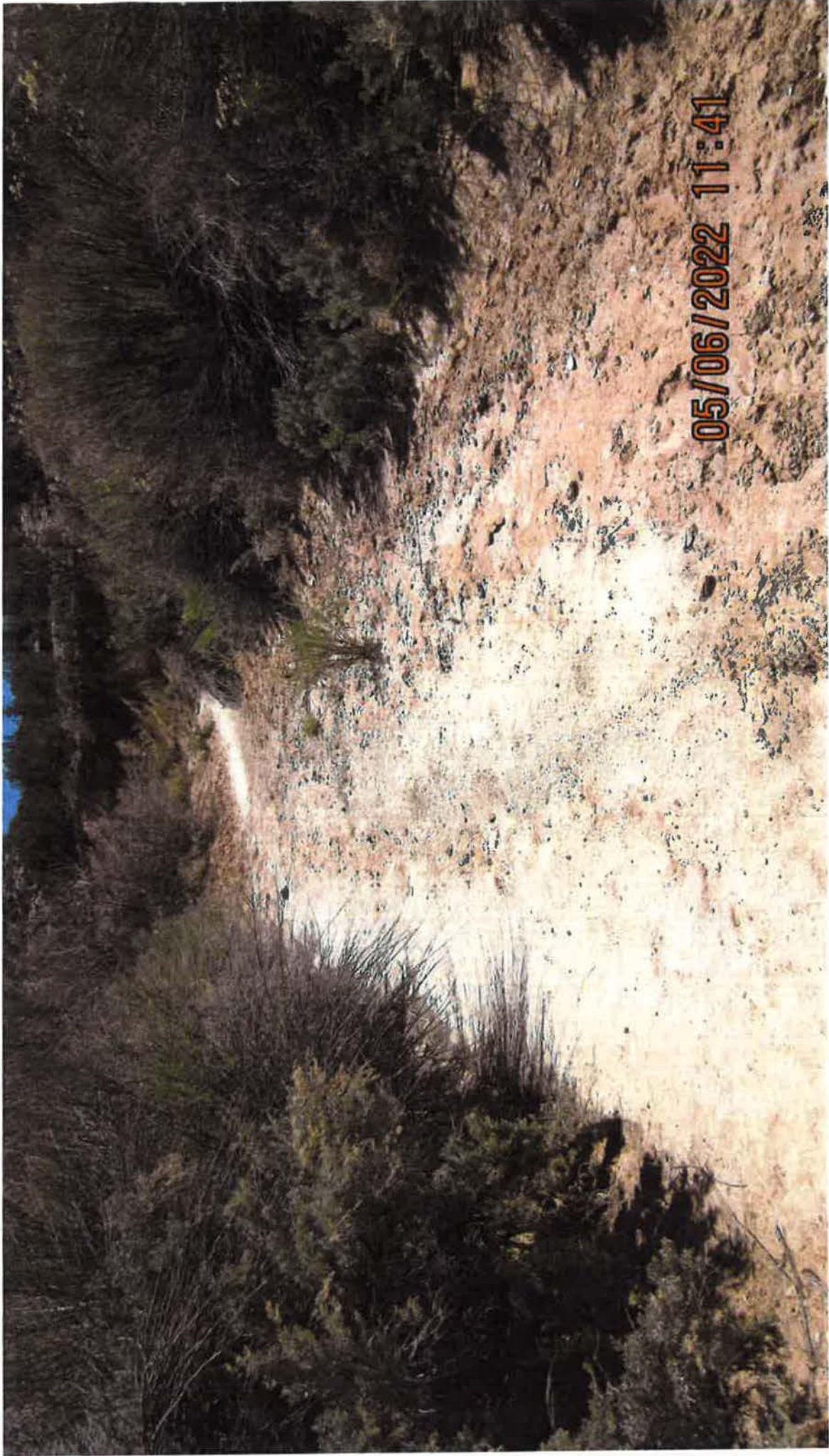
Temp °C _____

Temp °C _____

Comments:

creek was dry for all three sampling attempts.





05/06/2022 11:41



ATTACHMENT I

SOIL SAMPLE GRAPHS, DATA TABLE, LABORATORY RESULTS AND QA/QC

Soil samples are collected during the third quarter. This attachment has been deliberately left blank.

ATTACHMENT J

RADON MONITORING GRAPHS AND DATA

Calculation of Location-Specific Effluent Concentration Limits for Radon Track Etch Monitoring Stations at White Mesa Mill

Calculation Methodology

For the purpose of evaluating alpha track data and compliance with the effluent concentration limit for radon, two referenced limits are listed in the regulations (10 CFR Part 20 Appendix B, Table 2, which are incorporated by reference into R313-15-302(2)(b)(i)). One limit (1×10^{-10} uCi/ml or 0.1 pCi/l) is applicable in instances where radon daughters are present with the radon, and are in 100% equilibrium with the parent Rn-222. The other listed concentration limit (1×10^{-8} uCi/ml or 10 pCi/l) is applicable when radon daughters are not present. Both limits represent the concentration at which a member of the public would receive a 50 mrem dose assuming 100% (8760 hours) occupancy.

At the White Mesa Mill, the assumption of 100% equilibrium of radon progeny with parent Rn-222 is unrealistic given the short half-lives of the nuclides considered and the short travel time to the monitoring locations. Radon emanates from the ground (or mill tailings) without daughters present, and the daughters grow in over time. It is therefore necessary to evaluate radon daughter equilibrium at each air monitoring station utilizing site-specific wind speed and distance information to derive site-specific Effluent Concentration Limits (ECLs) for each station.

Such disequilibrium situations and alternative calculations are anticipated by the regulations and, in particular, R313-15-302(3) provides a means by which the licensee may adjust the effluent concentration values in 10 CFR Part 20 Appendix B, Table 2, which are incorporated by reference into R313-15-302(2)(b)(i), to account for disequilibrium. The regulatory purpose of such an adjustment is to appropriately take into account the actual characteristics of the measured effluents, including radioactive decay equilibrium.

An established (EPA, 1986) outdoor equilibrium formula to determine the appropriate Equilibrium Factor for use in calculating the ECL for disequilibrium conditions was used. The EPA expression of the outdoor Equilibrium Factor (EF) is derived by the following equation:

$$EF = 1.0 - 0.0479 \exp^{(-t/4.39)} - 2.1963 \exp^{(-t/38.6)} + 1.2442 \exp^{(-t/28.4)}$$

[Where: t is the travel time in minutes (distance/wind speed)]

Once the Equilibrium Factor has been determined, the ECL for each air monitoring station is determined by dividing the 0.1 pCi/l limit (for situations when daughters are present) by the Equilibrium Factor (EF).

Results

By utilizing the above formula, the appropriate (equilibrium adjusted) ECLs for the location was calculated. In developing the ECLs, distances and corresponding travel times have been determined by:

- assuming a nominal centroid located approximately at the vanadium dryer stack,

- calculating average wind speeds appropriate for each direction from the centroid to each monitoring station location, and
- using Google Earth to develop the distances.

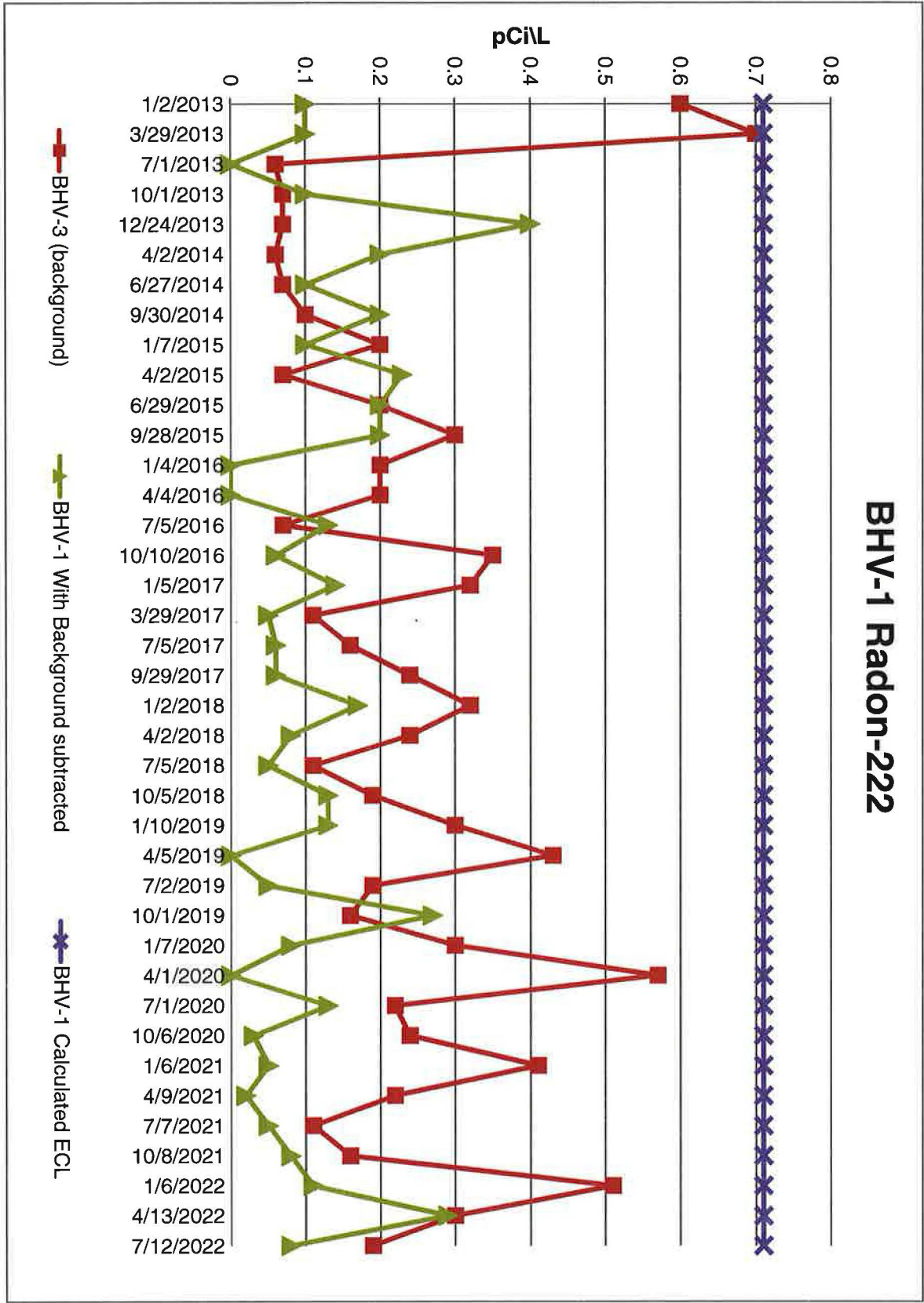
Meteorological data collected at the Mill's Met Station were utilized to compute the average wind speed for different directions. These data are applicable and sufficient for the purpose of these calculations.

It should be noted when comparing actual measurement values to the derived ECLs that the derived ECL provides ample protection for members of the public. More specifically, if dose calculations had been performed utilizing current ICRP 65 dose conversion conventions, the ECLs established here would represent approximately 25 mrem for continuous exposure at the monitoring stations. Therefore these values can serve as appropriate ALARA goals, since they yield doses well below the 100 mrem standard for individual members of the public.

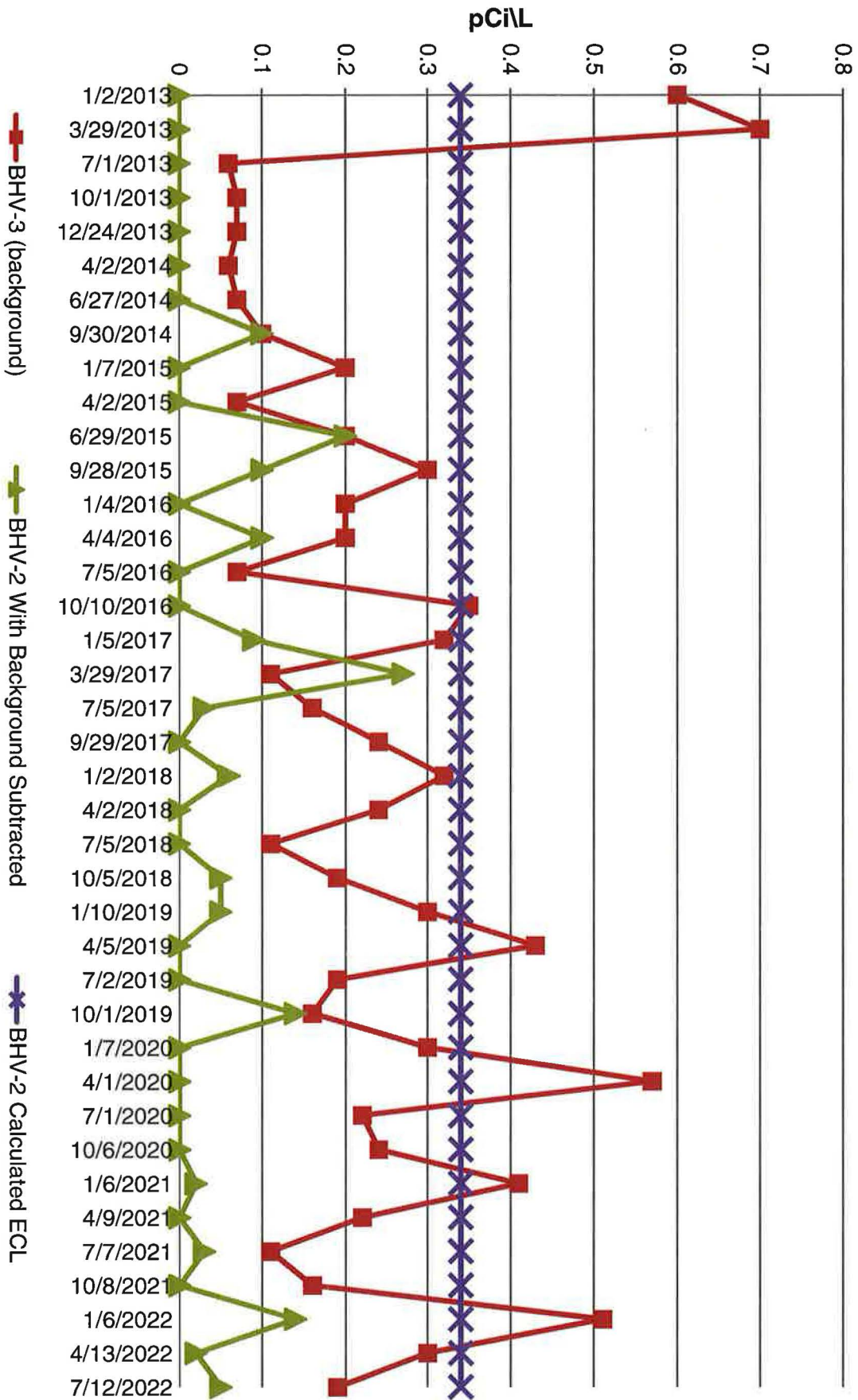
References

United States Environmental Protection Agency (EPA). (1986). *Final rule for radon-222 emissions from licensed uranium mill tailings*. Washington, D.C.: Office of Radiation Programs, U.S. Environmental Protection Agency.

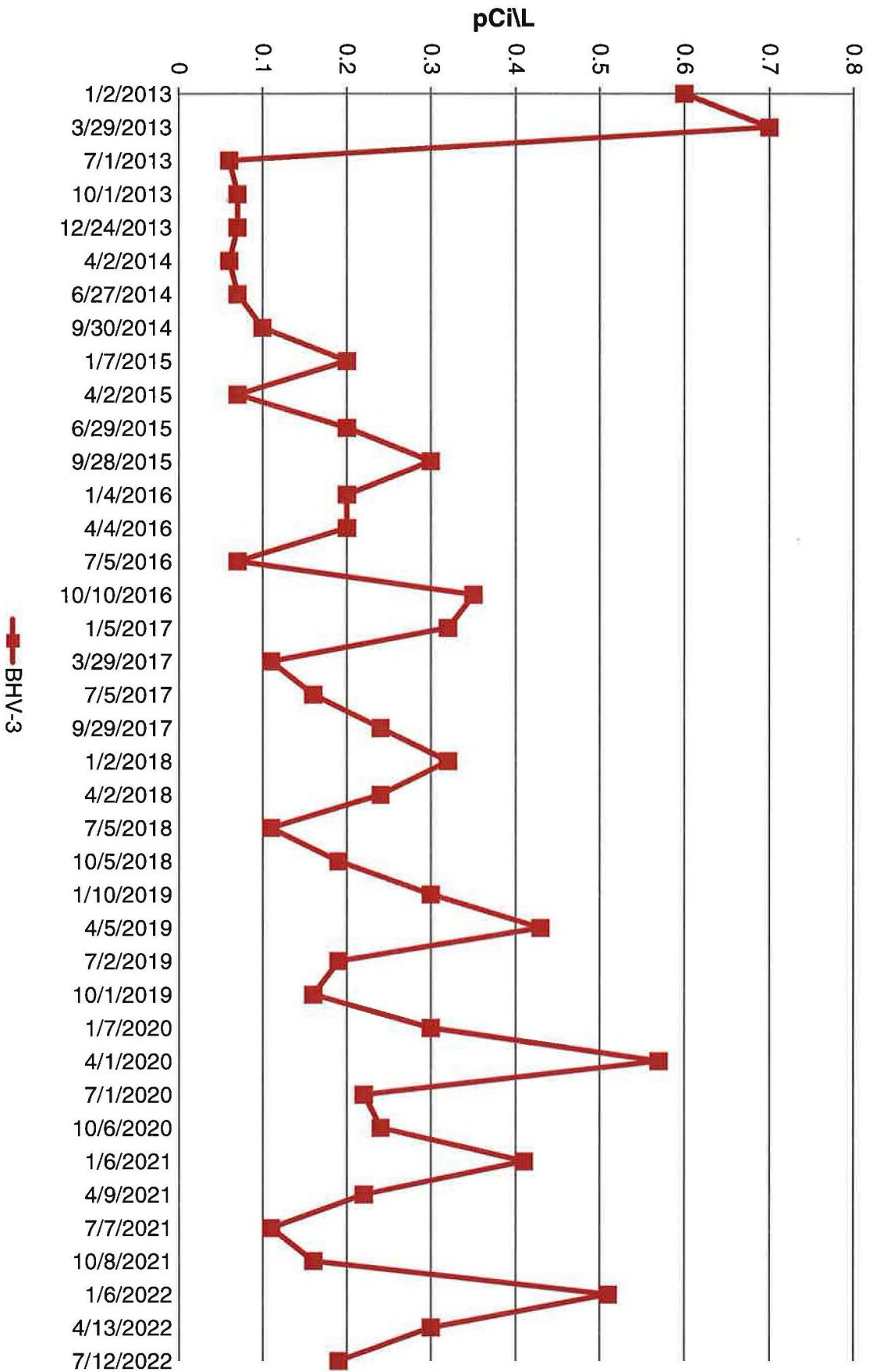
BHV-1 Radon-222



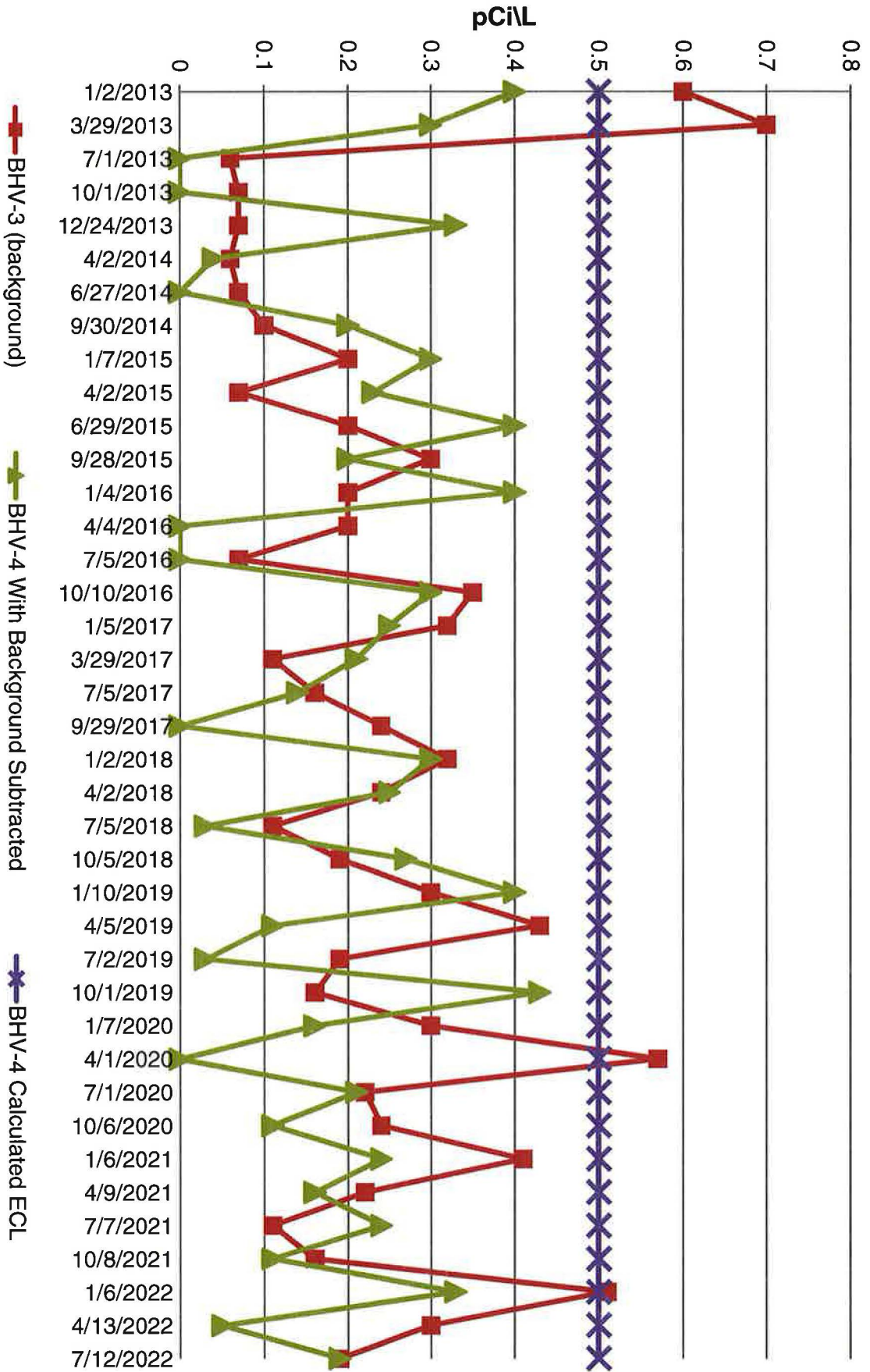
BHV-2 Radon-222



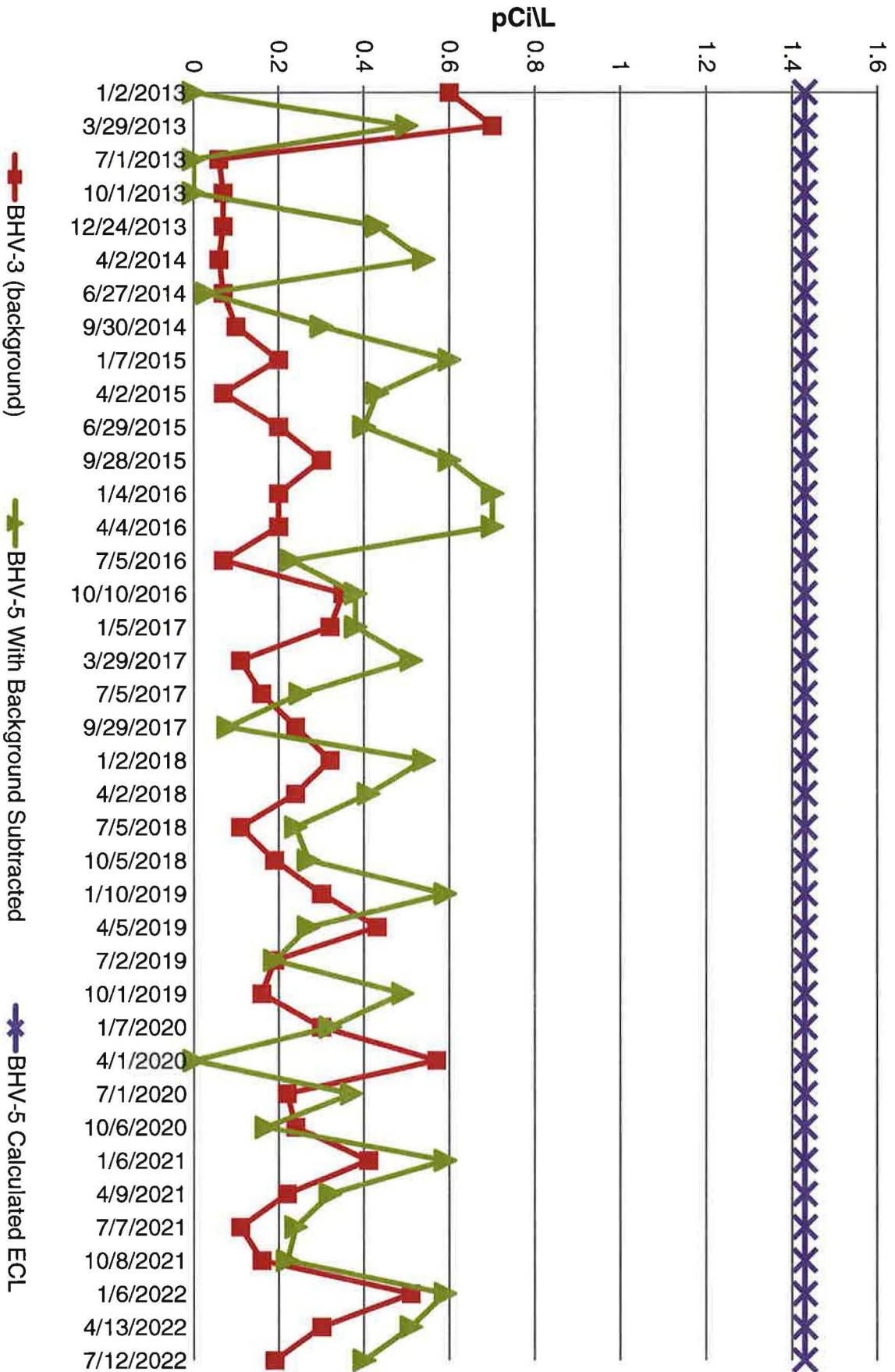
BHV-3 Radon-222



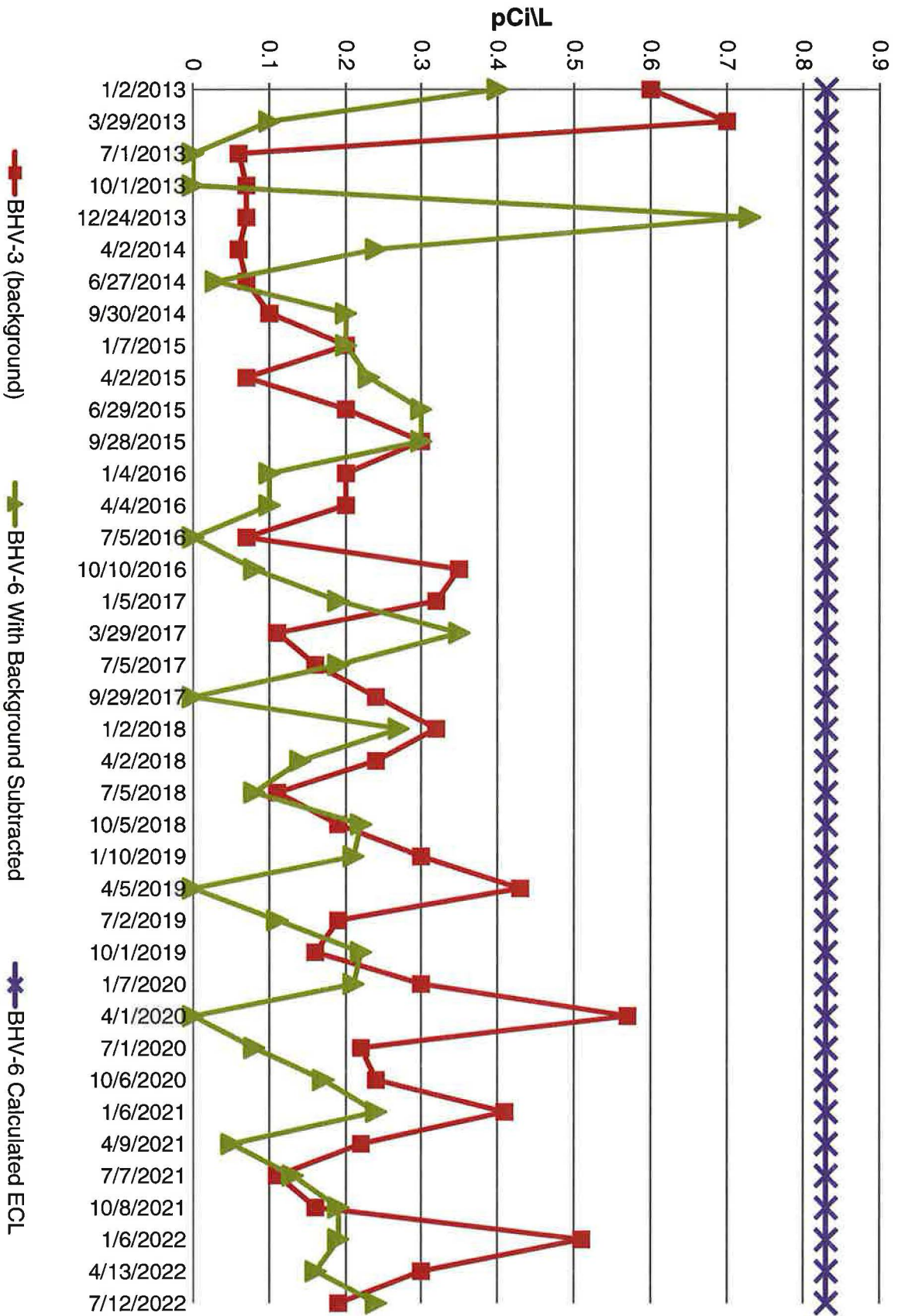
BHV-4 Radon-222



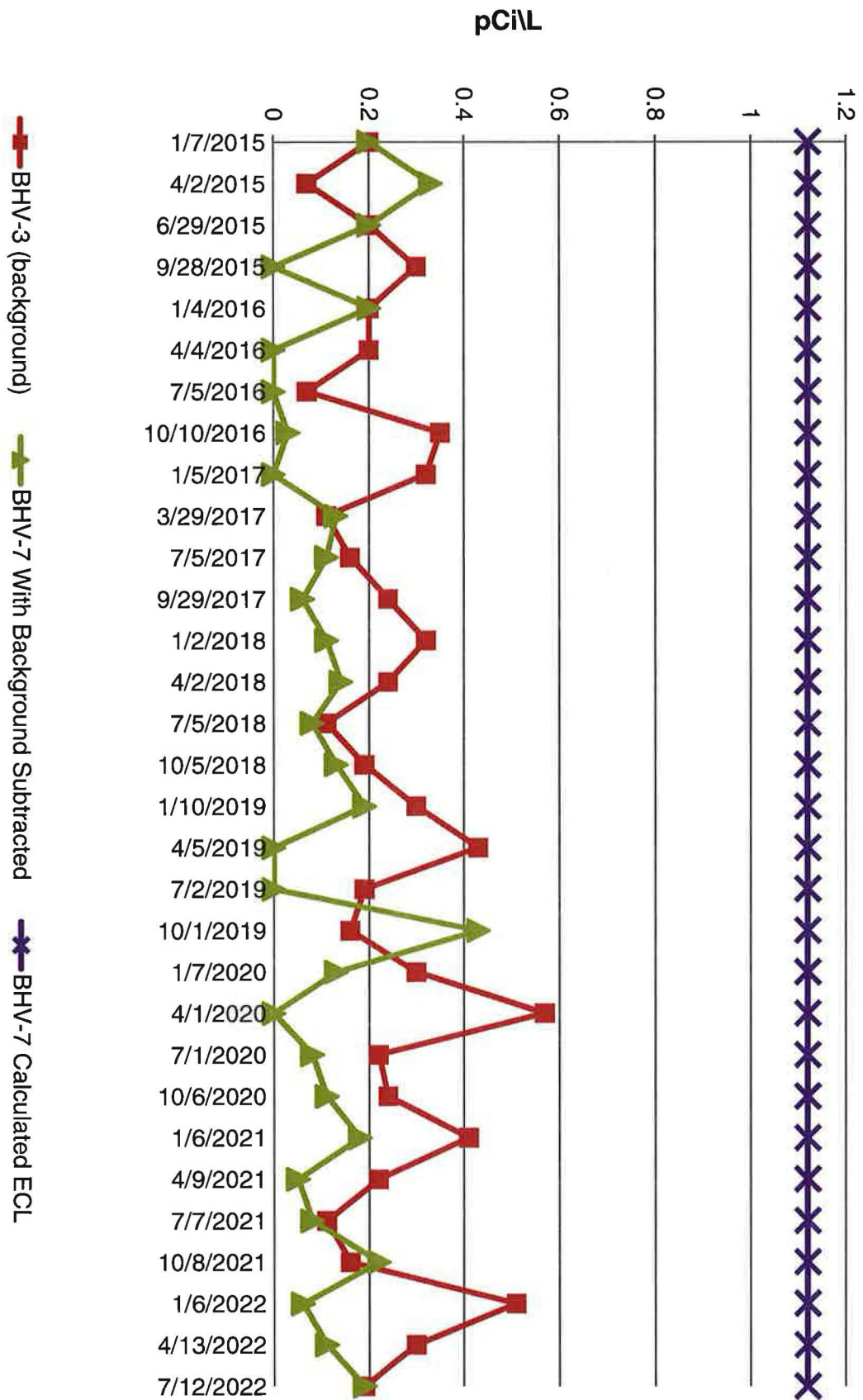
BHV-5 Radon-222



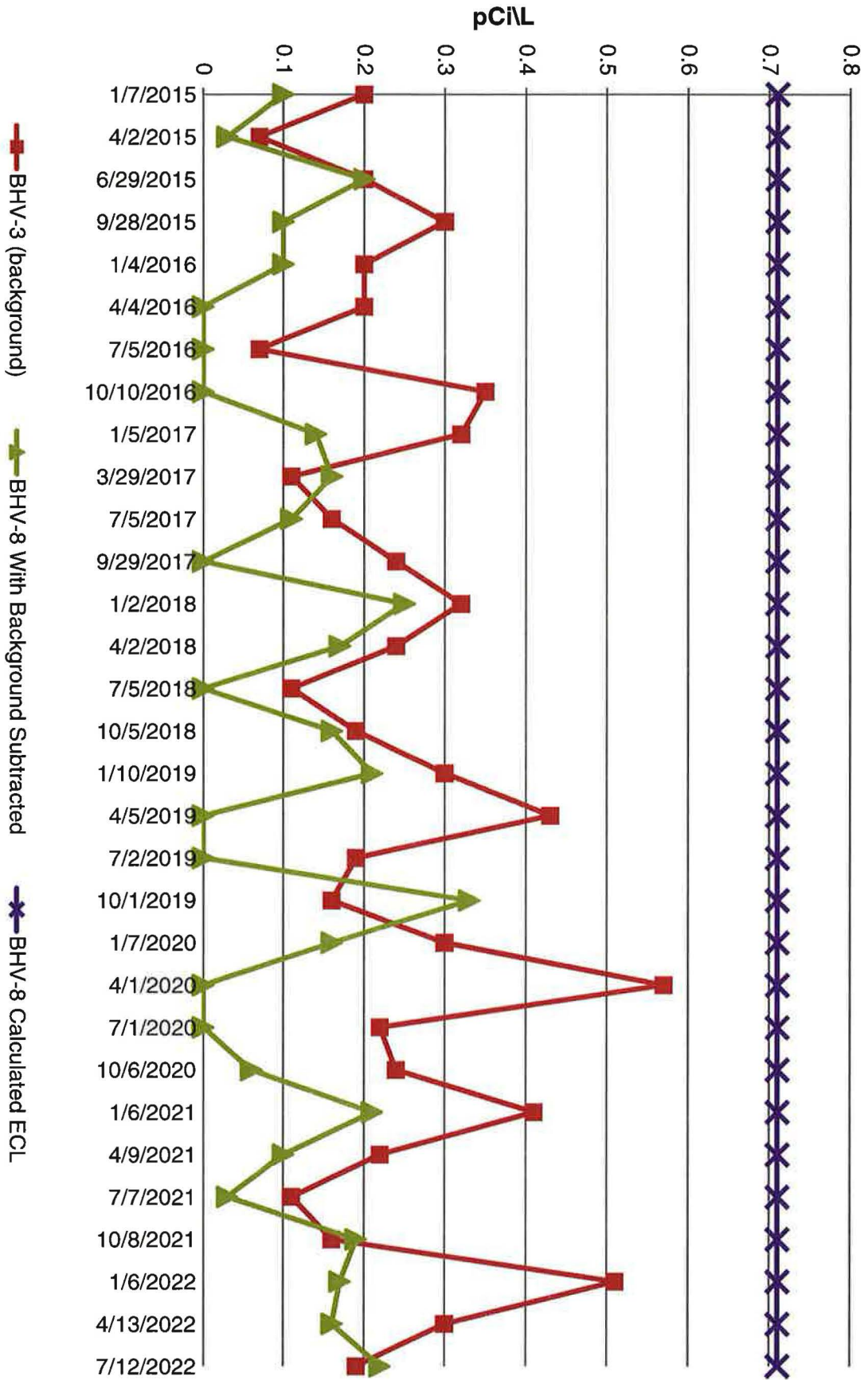
BHV-6 Radon-222



BHV-7 Radon-222



BHV-8 Radon-222



White Mesa Mill Radon Sampling Results*

Date	BHV-1 (pCi/L)	BHV-1 Calculated ECL	BHV-2 (pCi/L)	BHV-2 Calculated ECL	BHV-3 (pCi/L)	BHV-4 (pCi/L)	BHV-4 Calculated ECL	BHV-5 (pCi/L)	BHV-5 Calculated ECL	BHV-6 (pCi/L)	BHV-6 Calculated ECL	BHV-7 (pCi/L)	BHV-7 Calculated ECL	BHV-8 (pCi/L)	BHV-8 Calculated ECL
01/02/13	0.1	0.71	0	0.34	0.6	0.4	0.5	0	1.43	0.4	0.83	NS	1.12	NS	0.71
03/29/13	0.1	0.71	0	0.34	0.7	0.3	0.5	0.5	1.43	0.1	0.83	NS	1.12	NS	0.71
07/01/13	0	0.71	0	0.34	0.06	0	0.5	0	1.43	0	0.83	NS	1.12	NS	0.71
10/01/13	0.1	0.71	0	0.34	0.07	0	0.5	NA	1.43	0	0.83	NS	1.12	NS	0.71
12/24/13	0.4	0.71	0	0.34	0.07	0.33	0.5	0.43	1.43	0.73	0.83	NS	1.12	NS	0.71
04/02/14	0.2	0.71	0	0.34	0.06	0.04	0.5	0.54	1.43	0.24	0.83	NS	1.12	NS	0.71
06/27/14	0.1	0.71	0	0.34	0.07	0	0.5	0.03	1.43	0.03	0.83	NS	1.12	NS	0.71
09/30/14	0.2	0.71	0.1	0.34	0.1	0.2	0.5	0.3	1.43	0.2	0.83	NS	1.12	NS	0.71
01/07/15	0.1	0.71	0	0.34	0.2	0.3	0.5	0.6	1.43	0.2	0.83	0.2	1.12	0.1	0.71
04/02/15	0.23	0.71	0	0.34	0.07	0.23	0.5	0.43	1.43	0.23	0.83	0.33	1.12	0.03	0.71
06/29/15	0.2	0.71	0.2	0.34	0.2	0.4	0.5	0.4	1.43	0.3	0.83	0.2	1.12	0.2	0.71
09/28/15	0.2	0.71	0.1	0.34	0.3	0.2	0.5	0.6	1.43	0.3	0.83	0	1.12	0.1	0.71
01/04/16	0	0.71	0	0.34	0.2	0.4	0.5	0.7	1.43	0.1	0.83	0.2	1.12	0.1	0.71
04/04/16	0	0.71	0.1	0.34	0.2	0	0.5	0.7	1.43	0.1	0.83	0	1.12	0	0.71
07/05/16	0.1	0.71	0	0.34	0.07	0	0.5	0.23	1.43	0	0.83	0	1.12	0	0.71
10/10/16	0.06	0.71	0	0.34	0.35	0.30	0.5	0.38	1.43	0.08	0.83	0.03	1.12	0	0.71
01/05/17	0.14	0.71	0.09	0.34	0.32	0.25	0.5	0.38	1.43	0.19	0.83	0	1.12	0.14	0.71
03/29/17	0.05	0.71	0.27	0.34	0.11	0.21	0.5	0.51	1.43	0.35	0.83	0.13	1.12	0.16	0.71
07/05/17	0.06	0.71	0	0.34	0.16	0.14	0.5	0.25	1.43	0.19	0.83	0.11	1.12	0.11	0.71
09/29/17	0.06	0.71	0	0.34	0.24	0	0.5	0.08	1.43	0	0.83	0.06	1.12	0	0.71
01/02/18	0.17	0.71	0.06	0.34	0.32	0.30	0.5	0.54	1.43	0.27	0.83	0.11	1.12	0.25	0.71
04/02/18	0.08	0.71	0	0.34	0.24	0.25	0.5	0.41	1.43	0.14	0.83	0.14	1.12	0.17	0.71
07/05/18	0.05	0.71	0	0.34	0.11	0.03	0.5	0.24	1.43	0.08	0.83	0.08	1.12	0	0.71
10/05/18	0.13	0.71	0.05	0.34	0.19	0.27	0.5	0.27	1.43	0.22	0.83	0.13	1.12	0.16	0.71
01/10/19	0.13	0.71	0.05	0.34	0.30	0.40	0.5	0.59	1.43	0.21	0.83	0.19	1.12	0.21	0.71
04/05/19	0.00	0.71	0	0.34	0.43	0.11	0.5	0.27	1.43	0	0.83	0	1.12	0	0.71
07/02/19	0.05	0.71	0	0.34	0.19	0.03	0.5	0.19	1.43	0.11	0.83	0	1.12	0	0.71
10/01/19	0.27	0.71	0.14	0.34	0.16	0.43	0.5	0.49	1.43	0.22	0.83	0.43	1.12	0.33	0.71
01/07/20	0.08	0.71	0	0.34	0.30	0.16	0.5	0.32	1.43	0.21	0.83	0.13	1.12	0.16	0.71
04/01/20	0.00	0.71	0	0.34	0.57	0.00	0.5	0.00	1.43	0.00	0.83	0.00	1.12	0.00	0.71
07/01/20	0.13	0.71	0	0.34	0.22	0.21	0.5	0.37	1.43	0.08	0.83	0.08	1.12	0.00	0.71
10/06/20	0.03	0.71	0	0.34	0.24	0.11	0.5	0.17	1.43	0.17	0.83	0.11	1.12	0.06	0.71
01/06/21	0.05	0.71	0.02	0.34	0.41	0.24	0.5	0.59	1.43	0.24	0.83	0.18	1.12	0.21	0.71
04/09/21	0.02	0.71	0.00	0.34	0.22	0.16	0.5	0.32	1.43	0.05	0.83	0.05	1.12	0.10	0.71
07/07/21	0.05	0.71	0.03	0.34	0.11	0.24	0.5	0.24	1.43	0.13	0.83	0.08	1.12	0.03	0.71
10/08/21	0.08	0.71	0.00	0.34	0.16	0.11	0.5	0.22	1.43	0.19	0.83	0.22	1.12	0.19	0.71
01/06/22	0.11	0.71	0.14	0.34	0.51	0.33	0.5	0.59	1.43	0.19	0.83	0.06	1.12	0.17	0.71

White Mesa Mill Radon Sampling Results*

Date	BHV-1 (pCi/L)	BHV-1 Calculated ECL	BHV-2 (pCi/L)	BHV-2 Calculated ECL	BHV-3 (pCi/L)	BHV-4 (pCi/L)	BHV-4 Calculated ECL	BHV-5 (pCi/L)	BHV-5 Calculated ECL	BHV-6 (pCi/L)	BHV-6 Calculated ECL	BHV-7 (pCi/L)	BHV-7 Calculated ECL	BHV-8 (pCi/L)	BHV-8 Calculated ECL
04/13/22	0.29	0.71	0.02	0.34	0.30	0.05	0.5	0.51	1.43	0.16	0.83	0.11	1.12	0.16	0.71
07/12/22	0.08	0.71	0.05	0.34	0.19	0.19	0.5	0.40	1.43	0.24	0.83	0.19	1.12	0.22	0.71

* - Measurements obtained from BHV-3 have been designated as background due to BHV-3's remoteness from the Mill site. The

NA - Not Available - the canister was damaged. No data reported.

NS - Not Sampled - EFRI installed and began radon sampling at BHV-7 and BHV-8 in the fourth quarter of 2014.

White Mesa Mill Radon Sampling

Quarterly Field Blank Results

Date	Field Blank (pCi/L)
1/2/2013	2.4
3/29/2013	1.4
7/1/2013	0.7
10/1/2013	0.3
12/24/2013	0.7
4/2/2014	1.6
6/27/2014	1.1
9/30/2014	0.8
1/7/2015	1.4
4/2/2015	1.0
6/29/2015	1.7
9/28/2015	1.5
1/4/2016	1.8
4/4/2016	2.0
7/5/2016	1.1
10/10/2016	1.6
1/5/2017	1.6
3/29/2017	1.1
7/5/2017	0.7
9/29/2017	0.84
1/2/2018	1.6
4/2/2018	1.9
7/5/2018	0.8
10/5/2018	1.0
1/10/2019	1.5
4/5/2019	1.6
7/2/2019	1.1
10/1/2019	1.1
1/7/2020	1.7
4/1/2020	1.2
7/1/2020	0.92
10/6/2020	1.1
1/6/2021	1.8
4/9/2021	1.3
7/7/2021	0.8
10/8/2021	1.3
1/6/2022	1.9
4/13/2022	1.7
7/12/2022	1.1

Energy Fuels Resources

BY
Energy Fuels Resources

REPORT RECEIVER(S)
gpalmer@energyfuels.com
Energy Fuels Resources

RADON MONITORING REPORT

Description of the measurement

The measurement was performed with a closed high-sensitivity alpha-track detector.

The detector(s) arrived to Radonova Laboratories **04/22/2022**.
They were measured **04/29/2022**.

Test data have been given by White Mesa Mill

Property data and address

MEASURE SITE ADDRESS

6425 S Hwy 191
Blanding UT 84511

BUILDING ID

TRANSIT DETECTOR 1: 809942 (12 ± 7 pCi*days/l)
TRANSIT DETECTOR 2: 645801 (12 ± 7 pCi*days/l)
TRANSIT DETECTOR 3: 449274 (5 ± 5 pCi*days/l)

Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
163040-9 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-1-1	Out-door	0.59 ± 0.17 pCi/L
833962-4 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-2-1	Out-door	0.32 ± 0.14 pCi/L
952771-4 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-4-1	Out-door	0.35 ± 0.14 pCi/L
728539-8 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-5-1	Out-door	0.81 ± 0.17 pCi/L
710696-6 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-6-1	Out-door	0.46 ± 0.17 pCi/L
811452-2 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-7-1	Out-door	0.41 ± 0.14 pCi/L
640241-6 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-8-1	Out-door	0.46 ± 0.17 pCi/L
505821-9 [Rapidos®]	01/06/2022 – 04/13/2022	BHV-2A-1	Out-door	0.27 ± 0.14 pCi/L

Comment to the results

Trygve Rönnqvist (Electronically signed)

Signature Radonova Laboratories Laboratory Measurement Specialist

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Energy Fuels Resources

RADON MONITORING REPORT

Description of the measurement

The measurement was performed with a closed high-sensitivity alpha-track detector.

The detector(s) arrived to Radonova Laboratories **04/22/2022**.

They were measured **04/29/2022**.

Test data have been given by White Mesa Mill

Property data and address

MEASURE SITE ADDRESS

6425 S Hwy 191

Blanding UT 84511

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
528868-3 [Rapidos®]	01/06/2022 – 04/13/2022	Office-1	In-door	1.7 ± 0.28 pCi/L
313885-6 [Rapidos®]	01/06/2022 – 04/13/2022	Black Mesa 1	Out-door	0.30 ± 0.14 pCi/L

Comment to the results

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RADON MONITORING REPORT

Description of the measurement

The measurement was performed with a closed high-sensitivity alpha-track detector.

The detector(s) arrived to Radonova Laboratories **07/19/2022**.

They were measured **07/25/2022**.

Test data have been given by Energy Fuels Resources

Property data and address

MEASURE SITE ADDRESS

6425 S. Highway 191

BLANDING UT 84511

BUILDING ID

TRANSIT DETECTOR 1:

641113 (2 ± 7 pCi*days/l)

TRANSIT DETECTOR 2:

257520 (7 ± 7 pCi*days/l)

TRANSIT DETECTOR 3:

Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
989162-3 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-1-1	Out-door	0.27 ± 0.11 pCi/L
612809-4 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-2-1	Out-door	0.24 ± 0.11 pCi/L
837298-9 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-4-1	Out-door	0.38 ± 0.11 pCi/L
613576-8 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-5-1	Out-door	0.59 ± 0.17 pCi/L
718535-8 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-6-1	Out-door	0.43 ± 0.11 pCi/L
272017-5 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-7-1	Out-door	0.38 ± 0.11 pCi/L
456124-7 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-8-1	Out-door	0.41 ± 0.11 pCi/L
463444-0 [Rapidos®]	04/13/2022 – 07/12/2022	BHV-2A-1	Out-door	0.19 ± 0.09 pCi/L

Comment to the results

Tryggve Rönqvist (Electronically signed)

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The measurement was performed with a closed high-sensitivity alpha-track detector.

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They were measured **07/25/2022**.

Test data have been given by Energy Fuels Resources

Property data and address

MEASURE SITE ADDRESS

6425 S. Highway 191

BLANDING UT 84511

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
515564-3 [Rapidos®]	04/13/2022 – 07/12/2022	Office-1	In-door	1.1 ± 0.22 pCi/L
252062-5 [Rapidos®]	04/13/2022 – 07/12/2022	Black Mesa 1	Out-door	0.19 ± 0.09 pCi/L

Comment to the results

Trygve Rönqvist (Electronically signed)

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ATTACHMENT K
CELL 2 RADON FLUX DATA

Cell 2
Radon Flux Measurement Program
First Half 2022 Sampling Results
April 2022

White Mesa Mill
6425 South Highway 191
Blanding, Utah 84511

Prepared for: Energy Fuels Resources (USA) Inc.
6425 S. Highway 191
P.O. Box 809
Blanding, Utah 84511

Prepared by: Tellco Environmental
P.O. Box 3987
Grand Junction, Colorado 81502

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Appendix A. Charcoal Canister Analyses Support Documents

Appendix B. Recount Data Analyses

Appendix C. Radon Flux Sample Laboratory Data, Including Blanks

Appendix D. Sample Locations Map (Figure 2)

1. INTRODUCTION

During April 4-5, 2022 Tellco Environmental, LLC (Tellco) of Grand Junction, Colorado, provided support to Energy Fuels Resources (USA) Inc. (Energy Fuels) to conduct radon flux measurements on Cell 2 at its White Mesa Mill site.

Pursuant to Utah Department of Environmental Quality (UDEQ) requirements, Energy Fuels conducts radon flux measurements for Cell 2 on a semiannual basis. This report presents the radon flux measurements results for Cell 2 that represent the first half of the year 2022.

Tellco was contracted to provide canisters and charcoal, laboratory sample analysis, report preparation, and field work oversight. Energy Fuels personnel performed the canister placement and retrieval and support loading and unloading charcoal from the canisters. This report details the procedures employed by Energy Fuels and Tellco to obtain the results presented in Section 9.0 of this report.

2. SITE DESCRIPTION

The White Mesa Mill facility is located in San Juan County in southeastern Utah, six miles south of Blanding, Utah. The mill began operations in 1980 for the purpose of extracting uranium and vanadium from feed stocks.

Cell 2, which has a total area of approximately 270,624 m², has been filled and covered. This cell is comprised of one region consisting of a soil cover of varying thickness. There was no standing liquid and were no exposed tailings within Cell 2 during this sampling.

3. REGULATORY REQUIREMENTS FOR CELL 2

Radon emissions from the uranium mill tailings from Cell 2 at this site are regulated by the State of Utah's Division of Waste Management and Radiation Control (DWMRC). In accordance with DWMRC requirements specified in correspondence dated July 23, 2014, Energy Fuels must measure the radon flux on Cell 2 in accordance with 40 CFR 61, Appendix B, Method 115, "Monitoring for Radon-222 Emissions" semiannually. The average annual measured radon flux for Cell 2 shall not exceed a value of 20 picoCuries per meter squared per second (pCi/m²-s).

4. SAMPLING METHODOLOGY

Radon emissions were measured using Large Area Activated Charcoal Canisters (canisters) in conformance with 40 CFR, Part 61, Appendix B, Method 115, Restrictions to Radon Flux Measurements, (EPA, 2021). These are passive gas adsorption sampling devices used to determine the flux rate of radon-222 gas from a surface. The canisters were constructed using a 10-inch diameter PVC end cap containing a bed of 180 grams of activated, granular charcoal. The prepared charcoal was placed in the canisters on a support grid on top of a ½ inch thick layer of foam and secured with a retaining ring under 1½ inches of foam (see Figure 1, page 9).

One hundred sampling locations were distributed throughout the Cell 2, as depicted on the Sample Locations Map (see Figure 2, Appendix D). Each charged canister was placed directly onto the surface

(open face down) and exposed to the surface for approximately 24 hours. Radon gas adsorbed onto the charcoal and the subsequent radioactive decay of the entrained radon resulted in radioactive lead-214 and bismuth-214. These radon progeny isotopes emit characteristic gamma photons that can be detected through gamma spectroscopy. The original total activity of the adsorbed radon was calculated from these gamma ray measurements using calibration factors derived from cross-calibration of standard sources containing known total activities of radium-226 with geometry identical to the counted samples and from the principles of radioactive decay.

After approximately 24 hours, the exposed charcoal was transferred to a sealed plastic sample container (to prevent sample loss and/or further exposure during transport), identified and labeled, and transported to the Telco laboratory in Grand Junction, Colorado for analysis. Telco personnel maintained custody of the samples from collection through lab analysis.

Upon completion of on-site activities, the field equipment was alpha and beta-gamma scanned by Energy Fuels Radiation Safety personnel for possible contamination resulting from fieldwork activities. All of the field equipment used was subsequently released for unrestricted use.

5. FIELD OPERATIONS

5.1 Equipment Preparation

All charcoal was dried at 110°C before use in the field. Unused charcoal and recycled charcoal were treated the same. 180-gram aliquots of dried charcoal were weighed and placed in sample containers.

Proper balance operation was verified daily by checking a standard weight. The balance readout agreed with the known standard weight to within ± 0.1 percent.

After acceptable balance check, empty containers were individually placed on the balance and the scale was re-zeroed with the container on the balance. Unexposed and dried charcoal was carefully added to the container until the readout registered 180 grams. The lid was immediately placed on the container and sealed with plastic tape. The balance was checked for readout drift between readings.

Sealed containers with unexposed charcoal were placed individually in the shielded counting well, with the bottom of the container centered over the detector, and the background count rate was documented. Three five-minute background counts were conducted on ten percent of the containers, selected at random to represent the "batch". If the background counts were too high to achieve an acceptable lower limit of detection (LLD), the entire charcoal batch was labeled non-conforming and recycled through the heating/drying process.

5.2 Sample Locations, Identification, and Placement

On April 4, 2022, 100 sampling locations were spread out throughout the Cell 2 covered region. The approximate sampling locations that were established for previous samplings of Cell 2 were used for the placement of the canisters with similar sample identification numbers (IDs). An individual ID was assigned to each sample point, using a sequential alphanumeric system indicating the charcoal batch and physical location within the region (e.g., A01...A100). This ID was written on an adhesive label

and affixed to the top of the canister. The sample ID, date, and time of placement were recorded on the radon flux measurements data sheets for the set of one hundred measurements.

Prior to placing a canister at each sample location, the retaining ring, screen, and foam pad of each canister were removed to expose the charcoal support grid. A pre-measured charcoal charge was selected from a batch, opened and distributed evenly across the support grid. The canister was then reassembled and subsequently placed face down on the surface at each sampling location. Care was exercised not to push the device into the soil surface. The canister rim was “sealed” to the surface using a berm of local borrow material.

Five canisters (blanks) were similarly processed and these canisters were kept inside an airtight plastic bag during the 24-hour testing period.

5.3 Sample Retrieval

On April 5, 2022 at the end of the 24-hour testing period, all canisters were retrieved, disassembled and each charcoal sample was individually poured through a funnel into a container. Identification numbers were transferred to the appropriate container, which was sealed and placed in a box for transport. Retrieval date and time were recorded on the same data sheets as the sample placement information. The blank samples were similarly processed.

All 100 of the charcoal samples from the Cell 2 covered region were successfully retrieved and containerized during the retrieval and unloading process. Upon completion of on-site activities, the field equipment was alpha and beta-gamma scanned by Energy Fuels Radiation Safety personnel and released for unrestricted use.

5.4 Environmental Conditions

Energy Fuels maintains an onsite rain gauge to monitor rainfall at the White Mesa mill site.

In accordance with 40 CFR, Part 61, Appendix B, Method 115:

- Measurements were not initiated within 24 hours of rainfall at the site.
- No rainfall occurred during the 24-hour sampling period after the canisters had been deployed.
- All canister seals remained intact during the 24-hour sampling period and none of the canisters were surrounded by water.

6. SAMPLE ANALYSIS

6.1 Apparatus

Apparatus used for the analysis:

- Single- or multi-channel pulse height analysis system, Ludlum Model 2200 with a Teledyne 3" x 3" sodium iodide, thallium-activated (NaI(Tl)) detector.

- Lead shielded counting well approximately 40 cm deep with 5-cm thick lead walls and a 7-cm thick base and 5 cm thick top.
- National Institute of Standards and Technology (NIST) traceable aqueous solution radium-226 absorbed onto 180 grams of activated charcoal.
- Ohaus Port-O-Gram balance with 0.1-gram sensitivity.

6.2 Sample Inspection and Documentation

Once in the laboratory, the integrity of each charcoal container was verified by visual inspection of the plastic container. Laboratory personnel checked for damaged or unsealed containers and also checked that the data sheet was complete.

All 100 of the sample containers and 5 blank containers inspected at the Tellco analytical laboratory were ultimately verified as valid and no damaged or unsealed containers were observed.

6.3 Background and Sample Counting

The gamma ray counting system was checked daily, including background and radium-226 source measurements prior to and after each counting session. Based on calibration statistics, using two sources with known radium-226 content, background and source control limits were established for each Ludlum/Teledyne system with shielded counting well (see Appendix A).

Gamma ray counting of exposed charcoal samples included the following steps:

- The length of count time was determined by the activity of the sample being analyzed, according to a data quality objective of a minimum of 1,000 accrued counts for any given sample.
- The sample container was centered on the NaI gamma detector and the shielded well door was closed.
- The sample was counted over a determined count length and then the mid-sample count time, date, and gross counts were documented on the radon flux measurements data sheet and used in the calculations.
- The above steps were repeated for each exposed charcoal sample.
- Approximately 10 percent of the containers counted were selected for recounting. These containers were promptly recounted within a few days following the original count.

7. QUALITY CONTROL (QC) AND DATA VALIDATION

Charcoal flux measurement QC samples included the following intra-laboratory analytical frequency objectives:

- Blanks, 5 percent, and
- Recounts, 10 percent

All sample data were subjected to validation protocols that included assessments of sensitivity, precision, accuracy, and completeness. As described below, all Method 115-required data quality objectives (EPA, 2021) were attained.

7.1 Sensitivity

A total of five blanks were analyzed by measuring the radon progeny activity in samples subjected to all aspects of the measurement process, excepting exposure to the source region. These blank sample measurements comprised approximately 5 percent of the field measurements. Analysis of the five blank samples measured radon flux rates ranging from 0.01 to 0.04 pCi/m²-s, with an arithmetic average of approximately 0.02 pCi/m²-s. The lower limit of detection (LLD) for the field blanks was approximately 0.04 pCi/m²-s.

7.2 Precision

Ten recount measurements, distributed throughout the sample set, were performed by replicating analyses of individual field samples (see Appendix B). These recount measurements comprised approximately 10 percent of the total number of samples analyzed. The precision of recount measurements, expressed as relative percent difference (RPD), for sample results values that were above 1 pCi/m²-sec ranged from approximately 0.0 percent to 5.9 percent, with an average of approximately 2.8 percent. This complies with the precision objective of +/- 10 percent.

7.3 Accuracy

Accuracy of field measurements was assessed daily by counting two laboratory control samples with known Ra-226 content. Accuracy of these lab control sample measurements, expressed as percent bias, ranged from approximately -2.2 percent to +0.2 percent. The arithmetic average bias of the lab control sample measurements was approximately -0.7 percent (see Appendix A). This complies with the accuracy objective of +/-10 percent bias.

7.4 Completeness

All 100 samples from the Cell 2 cover region were verified as valid, representing 100 percent completeness, which complies with the completeness objective of 85 percent.

8. CALCULATIONS

Radon flux rates were calculated for charcoal collection samples using calibration factors derived from cross-calibration to sources with known total activity with identical geometry as the charcoal containers. A yield efficiency factor was used to calculate the total activity of the sample charcoal containers. Individual field sample result values presented were not reduced by the results of the field blank analyses.

In practice, radon flux rates were calculated by a database computer program. The algorithms utilized by the data base program were as follows:

Equation 8.1:

$$\text{pCi Rn-222/m}^2\text{sec} = \frac{N}{[T_s * A * b * 0.5^{(d/91.75)}]}$$

where: N = net sample count rate, cpm under 220-662 keV peak
 T_s = sample duration, seconds
 b = instrument calibration factor, cpm per pCi; values used:
 0.1704, for M-01/D-21 and
 0.1725, for M-02/D-20
 d = decay time, elapsed hours between sample mid-time and count mid-time
 A = area of the canister, m²

Equation 8.2:

$$\text{Error, } 2\sigma = 2 \times \frac{\sqrt{\frac{\text{Gross Sample, cpm}}{\text{Sample Count, t, min}} + \frac{\text{Background Sample, cpm}}{\text{Background Count, t, min}}}}{\text{Net, cpm}} \times \text{Sample Concentration}$$

Equation 8.3:

$$\text{LLD} = \frac{2.71 + (4.65)(S_b)}{[T_s * A * b * 0.5^{(d/91.75)}]}$$

where: 2.71 = constant
 4.65 = confidence interval factor
 S_b = standard deviation of the background count rate
 T_s = sample duration, seconds
 b = instrument calibration factor, cpm per pCi; values used:
 0.1704, for M-01/D-21 and
 0.1725, for M-02/D-20
 d = decay time, elapsed hours between sample mid-time and count mid-time
 A = area of the canister, m²

9. RESULTS

9.1 Mean Radon Flux

Referencing 40 CFR, Part 61, Subpart W, Appendix B, Method 115 - Monitoring for Radon-222 Emissions, Subsection 2.1.7 - Calculations, "the mean radon flux for each region of the pile and for the total pile shall be calculated and reported as follows:

- (a) The individual radon flux calculations shall be made as provided in Appendix A EPA 86(1). The mean radon flux for each region of the pile shall be calculated by summing all individual flux measurements for the region and dividing by the total number of flux measurements for the region.

(b) The mean radon flux for the total uranium mill tailings pile shall be calculated as follows:

$$J_s = \frac{J_1 A_1 + \dots J_2 A_2 [+]\dots J_i A_i}{A_t}$$

Where: J_s = Mean flux for the total pile (pCi/m²-s)
 J_i = Mean flux measured in region i (pCi/m²-s)
 A_i = Area of region i (m²)
 A_t = Total area of the pile (m²)”

40 CFR 61, Subpart W, Appendix B, Method 115, Subsection 2.1.8, Reporting states “The results of individual flux measurements, the approximate locations on the pile, and the mean radon flux for each region and the mean radon flux for the total stack [pile] shall be included in the emission test report. Any condition or unusual event that occurred during the measurements that could significantly affect the results should be reported.”

9.2 Site Results

Site Specific Sample Results (reference Appendix C)

(a) The mean radon flux for the Cell 2 region at the site is as follows:

$$\text{Cell 2 - Cover Region} = 3.8 \text{ pCi/m}^2\text{-s (based on 270,624 m}^2\text{ area)}$$

Note: Reference Appendix C of this report for the entire summary of individual measurement results.

(b) Using the data presented above, the calculated mean radon flux for Cell 2 is as follows:

$$\text{Cell 2} = 3.8 \text{ pCi/m}^2\text{-s}$$

$$\frac{(3.8)(270,624)}{270,624} = 3.8$$

As shown above, the arithmetic mean of the radon flux rate measurements for Cell 2 representing the first half of the year 2022 at Energy Fuels' White Mesa milling facility is below the U.S. Nuclear Regulatory Commission and EPA regulatory standard of 20 pCi/m²-s. No condition or unusual events were observed during the measurements that could significantly affect the results.

Appendix C presents the summary of individual measurement results, including blank sample analysis. Sample locations are depicted on Figure 2, which is included in Appendix D. The map was produced by Tellico.

References

- U. S. Environmental Protection Agency, *Radon Flux Measurements on Gardinier and Royster Phosphogypsum Piles Near Tampa and Mulberry, Florida*, EPA 520/5-85-029, NTIS #PB86-161874, January 1986.
- U. S. Environmental Protection Agency, *Title 40, Code of Federal Regulations*, July 2021.
- U. S. Nuclear Regulatory Commission, *Radiological Effluent and Environmental Monitoring at Uranium Mills*, Regulatory Guide 4.14, April 1980.
- U. S. Nuclear Regulatory Commission, *Title 10, Code of Federal Regulations*, Part 40, Appendix A, January 2021.

Figure 1
Large Area Activated Charcoal Canisters Diagram

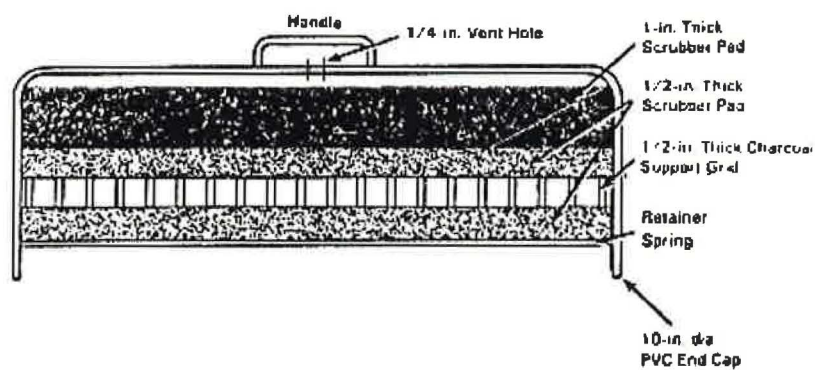


FIGURE 1 Large-Area Radon Collector

Appendix A

Charcoal Canister Analyses Support Documents

**ACCURACY APPRAISAL TABLE
CELL 2
APRIL 2022**

ENERGY FUELS RESOURCES
WHITE MESA MILL, BLANDING, UTAH
2022 RADON FLUX MEASUREMENTS
SAMPLING DATES: 04/04/22-04/05/22
ANALYSIS DATES: 04/07/22-04/08/22

SYSTEM I.D.	COUNT DATE	Bkg Counts (1 min. each)			Source Counts (1 min. each)			AVG NET cpm	YIELD cpm/pCi	FOUND pCi	SOURCE ID	KNOWN pCi	% BIAS
		#1	#2	#3	#1	#2	#3						
M-01/D-21	4/7/2022	103	121	122	10249	10161	10141	10068	0.1704	59086	GS-04	59300	-0.4%
M-01/D-21	4/7/2022	154	112	150	10168	10230	10380	10121	0.1704	59394	GS-04	59300	0.2%
M-01/D-21	4/8/2022	121	129	125	10110	10146	10329	10070	0.1704	59096	GS-04	59300	-0.3%
M-01/D-21	4/8/2022	116	115	101	10195	10188	10198	10083	0.1704	59173	GS-04	59300	-0.2%
M-01/D-21	4/7/2022	103	121	122	10038	10294	10203	10063	0.1704	59055	GS-05	59300	-0.4%
M-01/D-21	4/7/2022	154	112	150	10063	10167	10160	9991	0.1704	58635	GS-05	59300	-1.1%
M-01/D-21	4/8/2022	121	129	125	10119	10240	10232	10072	0.1704	59108	GS-05	59300	-0.3%
M-01/D-21	4/8/2022	116	115	101	10283	10244	10118	10104	0.1704	59298	GS-05	59300	0.0%
M-02/D-20	4/7/2022	117	128	128	10231	10253	10126	10079	0.1725	58429	GS-04	59300	-1.5%
M-02/D-20	4/7/2022	111	112	107	10118	10264	10225	10092	0.1725	58506	GS-04	59300	-1.3%
M-02/D-20	4/8/2022	111	132	128	10081	10128	10162	10000	0.1725	57971	GS-04	59300	-2.2%
M-02/D-20	4/8/2022	129	119	116	10188	10264	10346	10145	0.1725	58810	GS-04	59300	-0.8%
M-02/D-20	4/7/2022	117	128	128	10297	10280	10221	10142	0.1725	58792	GS-05	59300	-0.9%
M-02/D-20	4/7/2022	111	112	107	10404	10226	10390	10230	0.1725	59304	GS-05	59300	0.0%
M-02/D-20	4/8/2022	111	132	128	10389	10489	10208	10238	0.1725	59353	GS-05	59300	0.1%
M-02/D-20	4/8/2022	129	119	116	10224	10141	10275	10092	0.1725	58504	GS-05	59300	-1.3%
AVERAGE PERCENT BIAS FOR ALL ANALYTICAL SESSIONS:													-0.7%

MIN -2.2%
MAX 0.2%

CHARCOAL CANISTER ANALYSIS SYSTEM

SITE LOCATION: White Mesa Mill, Blanding, UT
 CLIENT: Energy Fuels Resources (USA)

Calibration Check Log

System ID: M-01/D-21 Calibration Date: 10/16/21 Due Date: 10/16/22
 Scaler S/N: 51572 High Voltage: 1175 Window: 4.42 Thrshld: 2.20
 Detector S/N: 041533 Source ID/SN: Ra-226/GS-04 Source Activity: 59.3K pd:
 Blank Canister Bkgd. Range, cpm: $2\sigma =$ 100 to 149 $3\sigma =$ 88 to 162
 Gross Source Range, cpm: $2\sigma =$ 10024 to 10498 $3\sigma =$ 9906 to 10616
 Technician: DL Coon

All counts times are one minute.

Date	By	Background Counts (1 min. each)				Source Counts (1 min. each)				ok? Y/N
		#1	#2	#3	Avg.	#1	#2	#3	Average	
4/7/22	DLC	103	121	122	115	10249	10161	10141	10184	Y
4/7/22	DLC	154	112	150	139	10168	10230	10380	10259	Y
4/8/22	DLC	121	129	125	125	10110	10146	10329	10195	Y
4/8/22	DLC	116	115	101	111	10195	10188	10198	10194	Y
4/9/22	DLC	115	123	119	119	10157	10037	10221	10138	Y
4/9/22	DLC	124	108	131	121	10062	10322	10124	10169	Y

Y/N: Y = average background and source cpm falls within the control limits.
 N = average background and source cpm does not fall within the control limits.

The acceptable ranges were determined from prior background and source check data.

CHARCOAL CANISTER ANALYSIS SYSTEM

SITE LOCATION: White Mesa Mill, Blanding, UT
 CLIENT: Energy Fuels Resources (USA)

Calibration Check Log

System ID: M-01/D-21 Calibration Date: 10/16/21 Due Date: 10/16/22
 Scaler S/N: 51572 High Voltage: 1175 Window: 4.42 Thrshld: 2.20
 Detector S/N: 041533 Source ID/SN: R224/GS-05 Source Activity: 59.3Kpd
 Blank Canister Bkgd. Range, cpm: $2\sigma =$ 100 to 149 $3\sigma =$ 88 to 162
 Gross Source Range, cpm: $2\sigma =$ 9901 to 10501 $3\sigma =$ 9752 to 10650
 Technician: DLC
Dre

All counts times are one minute.

Date	By	Background Counts (1 min. each)				Source Counts (1 min. each)				ok? Y/N
		#1	#2	#3	Avg.	#1	#2	#3	Average	
4/7/22	DLC	103	121	122	115	10038	10294	10203	10178	Y
4/7/22	DLC	154	112	150	139	10063	10167	10160	10130	Y
4/8/22	DLC	121	129	125	125	10119	10240	10232	10197	Y
4/8/22	DLC	116	115	101	111	10283	10244	10118	10215	Y
4/9/22	DLC	115	123	119	119	10414	10068	9963	10148	Y
4/9/22	DLC	124	108	131	121	9912	10214	10210	10112	Y

Y/N: Y = average background and source cpm falls within the control limits.
 N = average background and source cpm does not fall within the control limits.

The acceptable ranges were determined from prior background and source check data.

CHARCOAL CANISTER ANALYSIS SYSTEM

SITE LOCATION: White Mesa Mill, Blanding, UT

CLIENT: Energy Fuels Resources (USA)

Calibration Check Log

System ID: M-02/D-20 Calibration Date: 10/16/21 Due Date: 10/16/22

Scaler S/N: 51563 High Voltage: 940 Window: 4.42 Thrshld: 2.20

Detector S/N: 041532 Source ID/SN: Ra²²⁶/GS-04 Source Activity: 59.3KpCi

Blank Canister Bkgd. Range, cpm: 2σ = 78 to 163 3σ = 81 to 179

Gross Source Range, cpm: 2σ = 10071 to 10615 3σ = 9935 to 10751

Technician: [Signature]

All counts times are one minute.

Date	By	Background Counts (1 min. each)				Source Counts (1 min. each)				ok? Y/N
		#1	#2	#3	Avg.	#1	#2	#3	Average	
4/7/22	DL	117	128	128	124	10231	10253	10124	10203	Y
4/7/22	DRE	111	112	107	110	10118	10264	10225	10202	Y
4/8/22	DRE	111	132	128	124	10081	10128	10162	10124	Y
4/8/22	DRE	129	119	116	121	10188	10244	10346	10266	Y
4/9/22	DRE	124	129	112	122	10235	10374	10261	10290	Y
4/9/22	DRE	127	115	125	122	10127	10325	10159	10204	Y

Y/N: Y = average background and source cpm falls within the control limits.
 N = average background and source cpm does not fall within the control limits.
 The acceptable ranges were determined from prior background and source check data.

CHARCOAL CANISTER ANALYSIS SYSTEM

SITE LOCATION: White Mesa Mill, Blanding, UT

CLIENT: Energy Fuels Resources (USA)

Calibration Check Log

System ID: M-02/D-20 Calibration Date: 10/16/21 Due Date: 10/16/22

Scaler S/N: 51503 High Voltage: 940 Window: 4.42 Thrshld: 2.20

Detector S/N: 041532 Source ID/SN: Ra226/GS-05 Source Activity: 59.34pCi

Blank Canister Bkgd. Range, cpm: $2\sigma =$ 98 to 163 $3\sigma =$ 81 to 179

Gross Source Range, cpm: $2\sigma =$ 10084 to 10669 $3\sigma =$ 9938 to 10815

Technician: DL Cooper

All counts times are one minute.

Date	By	Background Counts (1 min. each)				Source Counts (1 min. each)				ok? Y/N
		#1	#2	#3	Avg.	#1	#2	#3	Average	
4/7/22	DLC	117	128	128	124	10297	10280	10221	10266	Y
4/7/22	DLC	111	112	107	110	10404	10226	10390	10340	Y
4/8/22	DLC	111	132	128	124	10389	10489	10208	10362	Y
4/8/22	DLC	129	119	116	121	10224	10141	10275	10213	Y
4/9/22	DLC	126	129	112	122	10334	10272	10429	10345	Y
4/9/22	DLC	127	115	125	122	10138	10348	10223	10236	Y

Y/N: Y = average background and source cpm falls within the control limits.
 N = average background and source cpm does not fall within the control limits.
 The acceptable ranges were determined from prior background and source check data.

Appendix B

Recount Data Analyses

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 22004.01

PILE: 2

BATCH: A

SURFACE: SOIL

AIR TEMP MIN: N/A

WEATHER: NO RAIN

AREA: COVER

DEPLOYED: 4 4 22

RETRIEVED: 4

5 22

CHARCOAL BKG:

140

cpm

Wt. Out:

180.0

g.

FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL

COUNTED BY: DLC

DATA ENTRY BY: DLC

TARE WEIGHT:

29.2

g.

COUNTING SYSTEM I.D.: M01/D21, M02/D20

CAL. DUE: 10/16/22

RECOUNT CANISTER ANALYSIS:

GRID LOCATION	SAMPLE I. D.	HR	MIN	RETRIV HR	MIN	ANALYSIS MO	DA	YR	MID-TIME HR	MIN	CNT (MIN)	GROSS COUNTS	GROSS WT IN	RADON pCi/m ² s	± pCi/m ² s	LLD pCi/m ² s	PRECISION % RPD
A10	A10	8	45	8	57	4	7	22	18	23	2	1048	217.6	0.8	0.08	0.04	
RECOUNT	A10	8	45	8	57	4	8	22	9	43	3	1466	217.6	0.8	0.08	0.04	0.0%
A20	A20	8	39	8	50	4	7	22	18	39	1	8340	222.9	17.8	1.78	0.04	
RECOUNT	A20	8	39	8	50	4	8	22	9	42	1	7391	222.9	17.4	1.74	0.04	2.3%
A30	A30	8	33	8	48	4	7	22	19	6	2	1192	222.2	1.0	0.10	0.04	
RECOUNT	A30	8	33	8	48	4	8	22	9	47	2	1079	222.2	1.0	0.10	0.04	0.0%
A40	A40	8	38	8	49	4	7	22	19	23	1	2754	226.1	5.7	0.57	0.04	
RECOUNT	A40	8	38	8	49	4	8	22	9	47	1	2512	226.1	5.7	0.57	0.04	0.0%
A50	A50	8	27	8	46	4	7	22	19	46	3	1006	220.0	0.4	0.05	0.04	
RECOUNT	A50	8	27	8	46	4	8	22	9	51	3	1034	220.0	0.5	0.06	0.04	22.2%
A60	A60	8	31	8	45	4	7	22	20	0	1	2387	224.8	4.9	0.49	0.04	
RECOUNT	A60	8	31	8	45	4	8	22	9	50	1	2312	224.8	5.2	0.52	0.04	5.9%
A70	A70	8	17	8	40	4	7	22	20	13	2	1062	221.1	0.9	0.09	0.04	
RECOUNT	A70	8	17	8	40	4	8	22	9	54	2	1051	221.1	0.9	0.09	0.04	0.0%
A80	A80	8	22	8	41	4	7	22	20	34	2	1933	225.1	1.8	0.18	0.04	
RECOUNT	A80	8	22	8	41	4	8	22	9	54	2	1715	225.1	1.7	0.17	0.04	5.7%
A90	A90	8	18	8	39	4	7	22	20	51	3	1377	224.6	0.7	0.07	0.04	
RECOUNT	A90	8	18	8	39	4	8	22	9	59	3	1273	224.6	0.7	0.07	0.04	0.0%
A100	A100	8	17	8	39	4	7	22	21	6	1	1231	223.1	2.4	0.24	0.04	
RECOUNT	A100	8	17	8	39	4	8	22	9	58	1	1126	223.1	2.4	0.24	0.04	0.0%
AVERAGE PERCENT PRECISION FOR THE CELL 2 COVER REGION:																	3.6%
AVERAGE PERCENT PRECISION FOR RESULTS ABOVE 1 pCi/m²-sec IN THE CELL 2 COVER REGION:																	2.8%

Appendix C

Radon Flux Sample Laboratory Data (including Blanks)

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 22004.01

PILE: 2

BATCH: A

SURFACE: SOIL

AIR TEMP MIN: N/A

WEATHER: NO RAIN

AREA: COVER

DEPLOYED: 4 4 22

RETRIEVED: 4

5 22

CHARCOAL BKG: 140

cpm

Wt. Out: 180.0

g.

FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL

COUNTED BY: DLC

DATA ENTRY BY: DLC

TARE WEIGHT: 29.2

g.

COUNTING SYSTEM I.D.: M01/D21, M02/D20

CAL. DUE: 10/16/22

GRID LOCATION	SAMPLE I. D.	DEPLOY HR	DEPLOY MIN	RETRIV HR	RETRIV MIN	ANALYSIS MO	ANALYSIS DA	ANALYSIS YR	MID-TIME HR	MID-TIME MIN	CNT (MIN)	GROSS COUNTS	GROSS WT IN	RADON pCi/m ² s	± pCi/m ² s	LLD pCi/m ² s	COMMENTS:
A01	A01	8	39	8	53	4	7	22	18	6	4	1247	223.1	0.4	0.04	0.04	
A02	A02	8	40	8	53	4	7	22	18	6	4	1255	220.9	0.4	0.04	0.04	
A03	A03	8	41	8	54	4	7	22	18	11	4	1040	223.7	0.3	0.04	0.04	
A04	A04	8	41	8	54	4	7	22	18	11	4	1209	221.3	0.3	0.04	0.04	
A05	A05	8	42	8	55	4	7	22	18	16	4	1263	224.6	0.4	0.04	0.04	
A06	A06	8	43	8	55	4	7	22	18	16	3	1133	221.0	0.5	0.05	0.04	
A07	A07	8	43	8	56	4	7	22	18	20	3	1216	218.9	0.6	0.06	0.04	
A08	A08	8	44	8	56	4	7	22	18	20	1	1412	222.6	2.7	0.27	0.04	
A09	A09	8	44	8	57	4	7	22	18	23	2	1247	221.8	1.0	0.10	0.04	
A10	A10	8	45	8	57	4	7	22	18	23	2	1048	217.6	0.8	0.08	0.04	
A11	A11	8	46	8	53	4	7	22	18	27	3	1380	222.7	0.7	0.07	0.04	
A12	A12	8	46	8	53	4	7	22	18	27	3	1099	220.9	0.5	0.05	0.04	
A13	A13	8	47	8	53	4	7	22	18	32	5	1164	217.4	0.2	0.04	0.04	
A14	A14	8	48	8	52	4	7	22	18	30	1	1148	221.4	2.2	0.22	0.04	
A15	A15	8	42	8	52	4	7	22	18	36	2	1361	223.7	1.2	0.12	0.04	
A16	A16	8	41	8	51	4	7	22	18	36	1	1614	226.4	3.2	0.32	0.04	
A17	A17	8	40	8	51	4	7	22	18	38	1	9878	224.5	21.2	2.12	0.04	
A18	A18	8	40	8	51	4	7	22	18	38	1	1287	222.7	2.5	0.25	0.04	
A19	A19	8	39	8	50	4	7	22	18	39	1	3870	225.5	8.1	0.81	0.04	
A20	A20	8	39	8	50	4	7	22	18	39	1	8340	222.9	17.6	1.76	0.04	
A21	A21	8	39	8	52	4	7	22	18	43	4	1123	221.2	0.3	0.04	0.04	
A22	A22	8	38	8	52	4	7	22	18	43	1	1674	222.4	3.3	0.33	0.04	
A23	A23	8	38	8	51	4	7	22	18	49	5	1085	216.7	0.2	0.04	0.04	
A24	A24	8	37	8	51	4	7	22	18	49	4	1041	223.5	0.3	0.04	0.04	
A25	A25	8	37	8	50	4	7	22	18	55	5	1184	219.7	0.2	0.04	0.04	
A26	A26	8	36	8	50	4	7	22	18	55	3	1002	222.1	0.4	0.05	0.04	
A27	A27	8	36	8	49	4	7	22	19	1	5	1216	220.3	0.2	0.04	0.04	
A28	A28	8	35	8	49	4	7	22	19	1	1	1066	219.9	2.0	0.20	0.04	
A29	A29	8	34	8	48	4	7	22	19	6	3	1429	222.3	0.7	0.07	0.04	
A30	A30	8	33	8	48	4	7	22	19	6	2	1192	222.2	1.0	0.10	0.04	
A31	A31	8	33	8	48	4	7	22	19	10	2	1188	219.6	1.0	0.10	0.04	
A32	A32	8	32	8	48	4	7	22	19	10	2	1033	220.1	0.8	0.08	0.04	
A33	A33	8	32	8	47	4	7	22	19	14	3	1190	222.5	0.6	0.06	0.04	
A34	A34	8	31	8	47	4	7	22	19	14	3	1384	218.6	0.7	0.07	0.04	
A35	A35	8	35	8	48	4	7	22	19	18	2	1155	222.4	1.0	0.10	0.04	
A36	A36	8	36	8	48	4	7	22	19	18	1	13345	226.8	28.5	2.85	0.04	
A37	A37	8	36	8	48	4	7	22	19	21	1	4880	223.9	10.4	1.04	0.04	
A38	A38	8	37	8	49	4	7	22	19	21	1	6110	221.8	12.9	1.29	0.04	
A39	A39	8	37	8	49	4	7	22	19	23	1	1886	222.0	3.8	0.38	0.04	
A40	A40	8	38	8	49	4	7	22	19	23	1	2754	226.1	5.6	0.56	0.04	

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 22004.01

PILE: 2

BATCH: A

SURFACE: SOIL

AIR TEMP MIN: N/A

WEATHER: NO RAIN

AREA: COVER

DEPLOYED: 4 4 22

RETRIEVED: 4

5 22

CHARCOAL BKG:

140

cpm

Wt. Out:

180.0

g.

FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL

COUNTED BY: DLC

DATA ENTRY BY: DLC

TARE WEIGHT:

29.2

g.

COUNTING SYSTEM I.D.: M01/D21, M02/D20

CAL. DUE: 10/16/22

GRID LOCATION	SAMPLE I. D.	DEPLOY HR	DEPLOY MIN	RETRIV HR	RETRIV MIN	ANALYSIS MO	ANALYSIS DA	ANALYSIS YR	MID-TIME HR	MID-TIME MIN	CNT (MIN)	GROSS COUNTS	GROSS WT IN	RADON pCi/m ² s	± pCi/m ² s	LLD pCi/m ² s	COMMENTS:
A41	A41	8	22	8	43	4	7	22	19	27	3	12016	221.2	8.4	0.84	0.04	
A42	A42	8	22	8	44	4	7	22	19	27	4	1079	219.6	0.3	0.04	0.04	
A43	A43	8	23	8	44	4	7	22	19	32	3	1422	222.0	0.7	0.07	0.04	
A44	A44	8	23	8	44	4	7	22	19	31	1	1532	224.4	3.0	0.30	0.04	
A45	A45	8	24	8	45	4	7	22	19	37	4	1120	222.7	0.3	0.04	0.04	
A46	A46	8	25	8	45	4	7	22	19	37	5	1223	222.3	0.2	0.04	0.04	
A47	A47	8	26	8	45	4	7	22	19	42	2	1218	217.0	1.0	0.10	0.04	
A48	A48	8	26	8	45	4	7	22	19	42	1	1684	221.8	3.3	0.33	0.04	
A49	A49	8	27	8	46	4	7	22	19	46	2	1142	223.9	0.9	0.09	0.04	
A50	A50	8	27	8	46	4	7	22	19	46	3	1006	220.0	0.4	0.05	0.04	
A51	A51	8	28	8	46	4	7	22	19	50	3	1226	221.4	0.6	0.06	0.04	
A52	A52	8	29	8	46	4	7	22	19	50	3	1069	222.0	0.5	0.05	0.04	
A53	A53	8	29	8	47	4	7	22	19	54	3	1117	220.6	0.5	0.05	0.04	
A54	A54	8	35	8	47	4	7	22	19	54	3	1431	226.1	0.7	0.07	0.04	
A55	A55	8	34	8	47	4	7	22	19	57	1	1563	226.0	3.1	0.31	0.04	
A56	A56	8	33	8	46	4	7	22	19	57	1	31663	224.6	68.3	6.83	0.04	
A57	A57	8	33	8	46	4	7	22	19	59	1	7060	225.8	15.2	1.52	0.04	
A58	A58	8	32	8	46	4	7	22	19	59	1	1476	225.1	2.9	0.29	0.04	
A59	A59	8	31	8	45	4	7	22	20	0	1	3702	224.2	7.8	0.78	0.04	
A60	A60	8	31	8	45	4	7	22	20	0	1	2387	224.8	4.9	0.49	0.04	
A61	A61	8	30	8	45	4	7	22	20	3	2	1008	218.2	0.8	0.08	0.04	
A62	A62	8	30	8	45	4	7	22	20	2	1	1588	225.2	3.1	0.31	0.04	
A63	A63	8	29	8	44	4	7	22	20	6	1	1449	228.4	2.9	0.29	0.04	
A64	A64	8	28	8	44	4	7	22	20	6	1	1653	224.9	3.3	0.33	0.04	
A65	A65	8	28	8	44	4	7	22	20	7	1	2379	226.0	4.9	0.49	0.04	
A66	A66	8	27	8	43	4	7	22	20	7	1	2925	225.6	6.0	0.60	0.04	
A67	A67	8	26	8	43	4	7	22	20	9	1	2373	223.9	4.9	0.49	0.04	
A68	A68	8	16	8	40	4	7	22	20	10	2	1000	219.8	0.8	0.08	0.04	
A69	A69	8	17	8	40	4	7	22	20	13	2	1071	222.4	0.9	0.09	0.04	
A70	A70	8	17	8	40	4	7	22	20	13	2	1062	221.1	0.8	0.08	0.04	
A71	A71	8	18	8	41	4	7	22	20	17	3	1008	220.4	0.4	0.05	0.04	
A72	A72	8	18	8	41	4	7	22	20	17	3	1405	220.2	0.7	0.07	0.04	
A73	A73	8	19	8	41	4	7	22	20	22	4	1166	216.2	0.3	0.04	0.04	
A74	A74	8	19	8	42	4	7	22	20	22	3	1465	222.4	0.8	0.08	0.04	
A75	A75	8	20	8	42	4	7	22	20	27	4	1060	220.0	0.3	0.04	0.04	
A76	A76	8	20	8	43	4	7	22	20	27	4	1067	223.7	0.3	0.04	0.04	
A77	A77	8	21	8	40	4	7	22	20	31	1	13856	222.6	30.1	3.01	0.04	
A78	A78	8	21	8	41	4	7	22	20	31	1	1236	225.4	2.4	0.24	0.04	
A79	A79	8	22	8	41	4	7	22	20	34	2	1484	224.6	1.3	0.13	0.04	
A80	A80	8	22	8	41	4	7	22	20	34	2	1933	225.1	1.8	0.18	0.04	

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 22004.01

PILE: 2

BATCH: A

SURFACE: SOIL

AIR TEMP MIN: N/A

WEATHER: NO RAIN

AREA: COVER

DEPLOYED: 4 4 22

RETRIEVED: 4

5 22

CHARCOAL BKG:

140

cpm

Wt. Out:

180.0 g.

FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL

COUNTED BY: DLC

DATA ENTRY BY: DLC

TARE WEIGHT:

29.2 g.

COUNTING SYSTEM I.D.: M01/D21, M02/D20

CAL. DUE: 10/16/22

GRID LOCATION	SAMPLE I. D.	DEPLOY HR MIN	RETRIV HR MIN	ANALYSIS MO DA YR	MID-TIME HR MIN	CNT (MIN)	GROSS COUNTS	GROSS WT IN	RADON pCi/m ² s	± pCi/m ² s	LLD pCi/m ² s	COMMENTS:
A81	A81	8 23	8 42	4 7 22	20 37	2	1641	226.8	1.5	0.15	0.04	
A82	A82	8 24	8 42	4 7 22	20 37	1	1007	224.5	1.9	0.19	0.04	
A83	A83	8 24	8 42	4 7 22	20 40	1	2810	223.6	5.9	0.59	0.04	
A84	A84	8 25	8 43	4 7 22	20 40	1	1683	224.8	3.4	0.34	0.04	
A85	A85	8 11	8 38	4 7 22	20 43	3	1284	222.0	0.6	0.06	0.04	
A86	A86	8 12	8 38	4 7 22	20 43	3	1336	220.6	0.7	0.07	0.04	
A87	A87	8 12	8 38	4 7 22	20 47	3	1400	219.3	0.7	0.07	0.04	
A88	A88	8 13	8 39	4 7 22	20 47	2	1235	221.8	1.0	0.10	0.04	
A89	A89	8 20	8 40	4 7 22	20 51	2	1027	225.9	0.8	0.08	0.04	
A90	A90	8 18	8 39	4 7 22	20 51	3	1377	224.6	0.7	0.07	0.04	
A91	A91	8 16	8 38	4 7 22	20 55	2	1003	225.7	0.8	0.08	0.04	
A92	A92	8 15	8 38	4 7 22	20 55	2	1191	222.9	1.0	0.10	0.04	
A93	A93	8 15	8 38	4 7 22	20 58	2	1759	225.9	1.6	0.16	0.04	
A94	A94	8 14	8 38	4 7 22	20 58	1	2936	224.4	6.1	0.61	0.04	
A95	A95	8 13	8 37	4 7 22	21 1	1	1737	226.2	3.5	0.35	0.04	
A96	A96	8 13	8 37	4 7 22	21 1	1	1714	224.3	3.4	0.34	0.04	
A97	A97	8 12	8 36	4 7 22	21 3	1	3817	220.5	8.1	0.81	0.04	
A98	A98	8 19	8 40	4 7 22	21 3	1	3414	227.1	7.1	0.71	0.04	
A99	A99	8 17	8 39	4 7 22	21 6	2	1555	224.8	1.4	0.14	0.04	
A100	A100	8 17	8 39	4 7 22	21 6	1	1231	223.1	2.4	0.24	0.04	
AVERAGE RADON FLUX RATE FOR THE CELL 2 COVER REGION:									3.8	pCi/m ² s		

0.2 MIN

68.3 MAX

BLANK CANISTER ANALYSIS:

GRID LOCATION	SAMPLE I. D.	RETRIV HR MIN	ANALYSIS MO DA YR	MID-TIME HR MIN	CNT (MIN)	GROSS COUNTS	GROSS WT IN	RADON pCi/m ² s	± pCi/m ² s	LLD pCi/m ² s	COMMENTS:	
A BLANK 1	A BLANK 1	7 55	8 40 4 7 22	12 30	10	1435	209.5	0.01	0.03	0.04	CONTROL	
A BLANK 2	A BLANK 2	7 55	8 40 4 7 22	12 41	10	1520	210.8	0.02	0.03	0.04	CONTROL	
A BLANK 3	A BLANK 3	7 55	8 40 4 7 22	12 41	10	1477	209.5	0.02	0.03	0.04	CONTROL	
A BLANK 4	A BLANK 4	7 55	8 40 4 7 22	12 52	10	1547	210.0	0.03	0.03	0.04	CONTROL	
A BLANK 5	A BLANK 5	7 55	8 40 4 7 22	12 52	10	1573	208.6	0.04	0.03	0.04	CONTROL	
AVERAGE BLANK CANISTER ANALYSIS FOR THE CELL 2 COVER REGION:									0.02	pCi/m ² s		

Appendix D

Sample Locations Map (Figure 2)

WHITE MESA MILL
BLANDING, UTAH

APRIL 2022

CELL 2

FIRST HALF 2022
04/04/22-04/05/22

PREPARED FOR
ENERGY FUELS RESOURCES

LEGEND

A01 ○ - SAMPLE LOCATION ON
COVERED AREAS

FIGURE 2

N



SCALE IN FEET



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ENVIRONMENTAL, LLC

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