



Energy Fuels Resources (USA) Inc.
225 Union Blvd. Suite 600
Lakewood, CO, US, 80228
303 974 2140
www.energyfuels.com

DRC-2021-012121

August 23, 2021

Div of Waste Management
and Radiation Control

VIA OVERNIGHT DELIVERY

AUG 27 2021

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, 2021**

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, 2021.

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

Yours very truly,

A handwritten signature in black ink that reads 'Kathy Weinel'. The signature is written in a cursive style.

ENERGY FUELS RESOURCES (USA) INC.
Kathy Weinel
Quality Assurance Manager

cc: David Frydenlund
Garrin Palmer
Scott Bakken
Logan Shumway



Energy Fuels Resources (USA) Inc.
225 Union Blvd. Suite 600
Lakewood, CO, US, 80228
303 974 2140
www.energyfuels.com

August 23, 2021

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, 2021**

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, 2021.

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
Quality Assurance Manager

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 2021)**



**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
Lakewood, CO 80228

August 23, 2021

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Modifications to the Monitoring Programs.....	1
2.0	ENVIRONMENTAL AIR PARTICULATE SAMPLING	2
2.1	Program Overview	2
2.2	Sampling Protocol and Analytical Results.....	3
2.3	General Observations	4
2.4	Site Specific Sampling Data.....	5
2.5	Radon-222	6
3.0	EXTERNAL RADIATION (DIRECT GAMMA)	7
4.0	VEGETATION SAMPLES	7
5.0	STACK SAMPLING	8
6.0	SURFACE WATER MONITORING.....	9
7.0	SOIL SAMPLING	9
8.0	METEOROLOGICAL MONITORING.....	9
9.0	CELL 2 RADON FLUX.....	9
10.0	SIGNATURE AND CERTIFICATION.....	11

LIST OF TABLES

Table 1	NCRP Report 94-Global Pb-210 Concentration Example
Table 2	Air Monitoring Station Results U-Nat (Comparison to Limits)
Table 3	Air Monitoring Station Results Th-230 (Comparison to Limits)
Table 4	Air Monitoring Station Results Ra-226 (Comparison to Limits)
Table 5	Air Monitoring Station Results Pb-210 (Comparison to Limits)
Table 6	Air Monitoring Station Results Th-232 (Comparison to Limits)
Table 7	Environmental OSL Dosimeter Measurements (Gamma)
Table 8	Stack Effluent Concentrations and Release Rates

INDEX OF TABS

- A High Volume Air Monitoring Stations
- B BHV Air Sampling Graphs and Data Tables
 - Tab 1 BHV-1 Air Sampling Graphs and Data Table
 - Tab 2 BHV-2 Air Sampling Graphs and Data Table
 - Tab 3 BHV-3 Air Sampling Graphs and Data Table
 - Tab 4 BHV-4 Air Sampling Graphs and Data Table
 - Tab 5 BHV-5 Air Sampling Graphs and Data Table
 - Tab 6 BHV-6 Air Sampling Graphs and Data Table
 - Tab 7 BHV-7 Air Sampling Graphs and Data Table
 - Tab 8 BHV-8 Air Sampling Graphs and Data Table
- C BHV Air Sampling Laboratory Results and QA/QC
- D Air Particulate Loading Graphs and Supporting Data
- E Environmental Gamma (OSL) Dosimeter Graphs and Supporting Data
- F Vegetation Graphs, Data Table, Laboratory Results and QA/QC
- G Stack Sample Laboratory Results
- H Surface Water Graphs and Field Data Sheets
- I Soil Sample Graphs, Data Table, Laboratory Results and QA/QC
- J Radon Monitoring Graphs and Data
- K Cell 2 Radon Flux Data

**WHITE MESA URANIUM MILL
SEMI-ANNUAL EFFLUENT REPORT, JANUARY THROUGH JUNE 2021**

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

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.

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

As stated in Section 1.1 above, 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 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

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.

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. As stated in Section 1.1 above, the Mill’s effluent monitoring programs were expanded in 2014. 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). As noted in Section 1.1 of this report, 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. As noted in Section 1.1, Amendment 7 and the associated RFI expanded the vegetation sampling program through the addition of Th-232 and U-Nat.

During the January through June reporting period, samples were collected on April 6, and June 9, 2021. 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 this sampling period, are included as Attachment F of this report. The 2021 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 data for the previous two quarters, are provided in Tables 8 and 9 in the Tables Tab of this report.

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.

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.

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 where 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 events, along with graphs showing historic results are included as Attachment H.

7.0 SOIL SAMPLING

As mentioned in Section 1.1 above, specific changes to the individual monitoring programs have been made.

In accordance with the Mill's EPM and License, surface soils will be collected during the third quarter of 2021. The sampling results will be discussed in the July through December Semi-Annual Effluent Report submitted to DWMRC on or before March 1, 2022.

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 2021 for the January through June 2021 reporting period. The April measurement was 5.3 pCi/(m²-sec). The April 2021 measurement was below the 20.0 pCi/(m²-sec) standard. The full data report for the April 2021 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

8/23/21
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 2021**

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	7.00E-17	9.00E-14	6.67E-02
BHV2	2.00E-17	3.00E-17	9.00E-14	2.78E-02
BHV4	1.00E-16	5.00E-17	9.00E-14	8.33E-02
BHV5	2.00E-16	2.00E-16	9.00E-14	2.22E-01
BHV6	9.00E-17	1.00E-16	9.00E-14	1.06E-01
BHV7	1.00E-16	3.00E-16	9.00E-14	2.22E-01
BHV8	6.00E-17	9.00E-17	9.00E-14	8.33E-02

**Table 3 - Air Monitoring Station Results Th-230 (Comparison to Limits)
1st and 2nd Quarter 2021**

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	7.00E-17	2.00E-14	2.50E-01
BHV2	2.00E-17	3.00E-17	2.00E-14	1.25E-01
BHV4	1.00E-16	7.00E-17	2.00E-14	4.25E-01
BHV5	1.00E-16	2.00E-16	2.00E-14	7.50E-01
BHV6	3.00E-17	9.00E-17	2.00E-14	3.00E-01
BHV7	7.00E-17	2.00E-16	2.00E-14	6.75E-01
BHV8	5.00E-17	1.00E-16	2.00E-14	3.75E-01

**Table 4 - Air Monitoring Station Results Ra-226 (Comparison to Limits)
1st and 2nd Quarter 2021**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	8.00E-17	2.00E-16	9.00E-13	1.56E-02
BHV2	7.00E-17	1.00E-16	9.00E-13	9.44E-03
BHV4	5.00E-16	2.00E-16	9.00E-13	3.89E-02
BHV5	3.00E-16	6.00E-16	9.00E-13	5.00E-02
BHV6	5.00E-17	2.00E-16	9.00E-13	1.39E-02
BHV7	2.00E-16	8.00E-16	9.00E-13	5.56E-02
BHV8	1.00E-16	5.00E-16	9.00E-13	3.33E-02

**Table 5 - Air Monitoring Station Results Pb-210 (Comparison to Limits)
1st and 2nd Quarter 2021**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	2.00E-15	1.00E-14	6.00E-13	1.00E+00
BHV2	2.00E-15	1.00E-14	6.00E-13	1.00E+00
BHV4	4.00E-15	1.00E-14	6.00E-13	1.17E+00
BHV5	5.00E-15	1.00E-14	6.00E-13	1.25E+00
BHV6	4.00E-15	1.00E-14	6.00E-13	1.17E+00
BHV7	3.00E-15	1.00E-14	6.00E-13	1.08E+00
BHV8	2.00E-15	1.00E-14	6.00E-13	1.00E+00

**Table 6 - Air Monitoring Station Results Th-232 (Comparison to Limits)
1st and 2nd Quarter 2021**

Monitoring Station	1st Qtr.Result (uCi/ml)	2nd Qtr.Result (uCi/ml)	Effluent Concentration Limit (ECL) (uCi/ml)	Average Percent ECL
BHV1	4.00E-18	1.00E-17	4.00E-15	1.75E-01
BHV2	4.00E-18	1.00E-17	4.00E-15	1.75E-01
BHV4	4.00E-18	8.00E-18	4.00E-15	1.50E-01
BHV5	5.00E-18	1.00E-17	4.00E-15	1.88E-01
BHV6	1.00E-18	1.00E-17	4.00E-15	1.38E-01
BHV7	3.00E-18	1.00E-17	4.00E-15	1.63E-01
BHV8	7.00E-18	1.00E-17	4.00E-15	2.13E-01

**Table 7 - Environmental Optically Stimulated Luminescence Dosimeter
2021**

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	33.2	32.8	0	0.3	0.3
BHV2	33.2	30.7	0	0	0
BHV3	34.1	32.5	0	0	0
BHV4	34.1	33.1	0	0.6	0.6
BHV5	36.7	37.4	2.6	4.9	7.5
BHV6	36.3	32.1	2.2	0	2.2
BHV7	33.6	31.2	0	0	0
BHV8	33.8	32.5	0	0	0

Table 8 Uranium Stack Effluent Concentrations and Release Rates

3rd Qtr. 2020														
	U-Nat uCi/cc	U-Nat. uCi/sec	Th-228 uCi/cc	Th-228 uCi/sec	Th-230 uCi/cc	Th-230 uCi/sec	Th-232 uCi/cc	Th-232 uCi/sec	Pb-210 uCi/cc	Pb-210 uCi/sec	Ra-226 uCi/cc	Ra-226 uCi/sec	Ra-228 uCi/cc	Ra-228 uCi/sec
SYC Dryer Scrubber 1	7.87E-10	7.80E-04	8.08E-15	8.01E-09	2.53E-13	2.50E-07	4.04E-15	4.01E-09	1.75E-11	1.73E-05	0.00E+00	0.00E+00	1.01E-13	1.00E-07
SYC Dryer Scrubber 2	8.89E-10	8.26E-04	0.00E+00	0.00E+00	3.70E-13	3.44E-07	0.00E+00	0.00E+00	2.47E-11	2.30E-05	1.28E-14	1.19E-08	6.38E-14	5.93E-08
YC Packaging Baghouse	1.31E-11	2.11E-05	0.00E+00	0.00E+00	9.32E-14	1.50E-07	1.66E-14	2.69E-08	4.33E-13	6.99E-07	3.33E-14	5.37E-08	3.33E-13	5.37E-07
4th Qtr. 2020														
	U-Nat uCi/cc	U-Nat. uCi/sec	Th-228 uCi/cc	Th-228 uCi/sec	Th-230 uCi/cc	Th-230 uCi/sec	Th-232 uCi/cc	Th-232 uCi/sec	Pb-210 uCi/cc	Pb-210 uCi/sec	Ra-226 uCi/cc	Ra-226 uCi/sec	Ra-228 uCi/cc	Ra-228 uCi/sec
SYC Dryer Scrubber 1	6.25E-10	5.28E-04	1.36E-14	1.15E-08	1.36E-13	1.15E-07	0.00E+00	0.00E+00	2.58E-12	2.18E-06	4.07E-14	3.44E-08	1.36E-13	1.15E-07
SYC Dryer Scrubber 2	8.15E-10	6.81E-04	1.12E-14	9.33E-09	1.01E-13	8.40E-08	0.00E+00	0.00E+00	2.12E-12	1.77E-06	3.35E-14	2.80E-08	8.94E-14	7.47E-08
YC Packaging Baghouse	2.52E-11	4.44E-05	4.06E-14	7.16E-08	1.63E-13	2.86E-07	0.00E+00	0.00E+00	1.54E-12	2.72E-06	3.66E-14	6.44E-08	4.06E-13	7.16E-07
1st Qtr. 2021														
No uranium stack sampling was conducted as the dryers did not run. No uranium packaging was completed during the quarter.														
2nd Qtr. 2021														
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. 2020

No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.

4th Qtr. 2020

No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.

1st Qtr. 2021

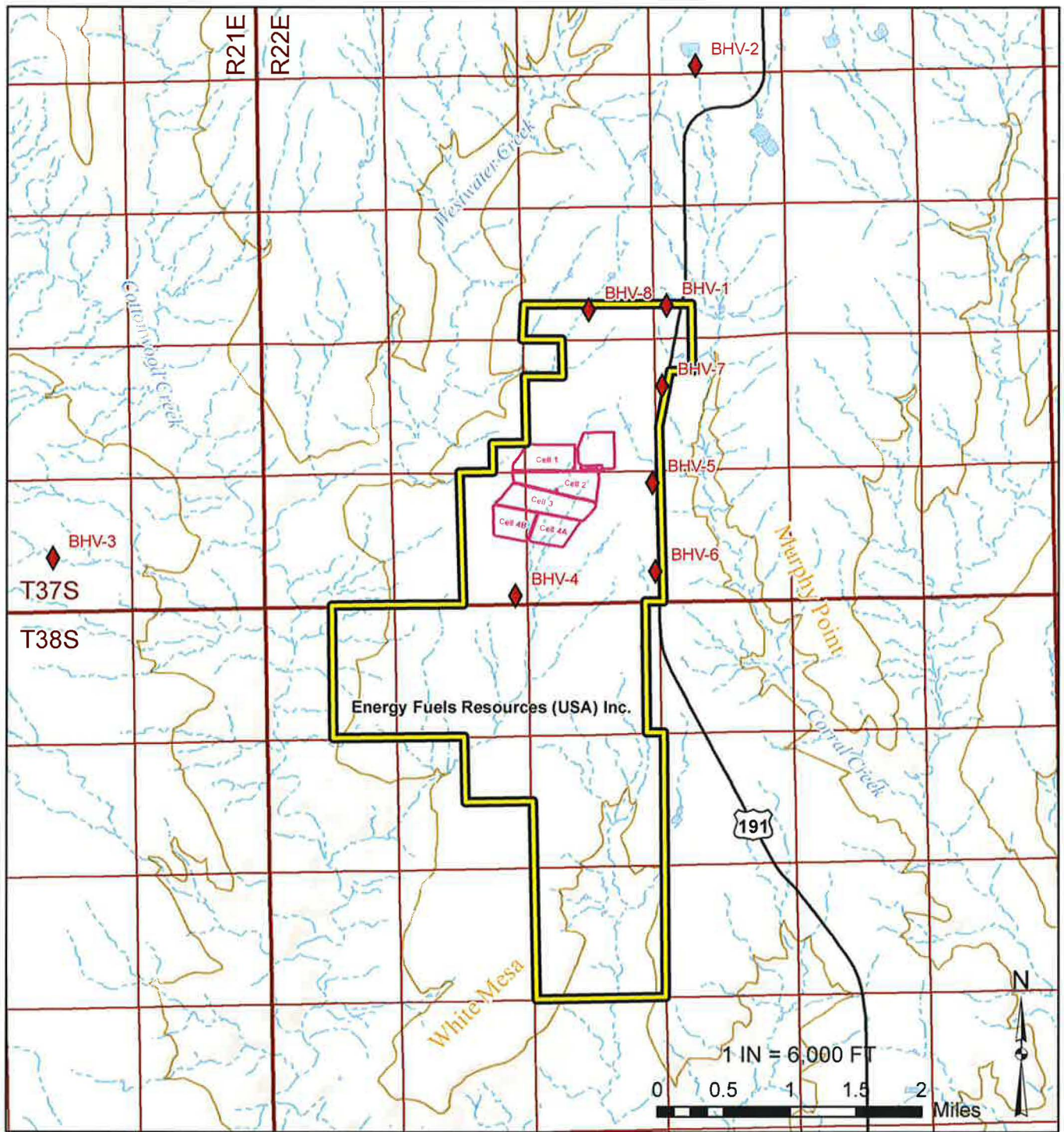
No vanadium stack sampling was conducted as the dryers did not run. No vanadium packaging was completed during the quarter.

2nd Qtr. 2021

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_PantMonitoring.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

		Project: WHITE MESA MILL	
		Date:	By:
		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

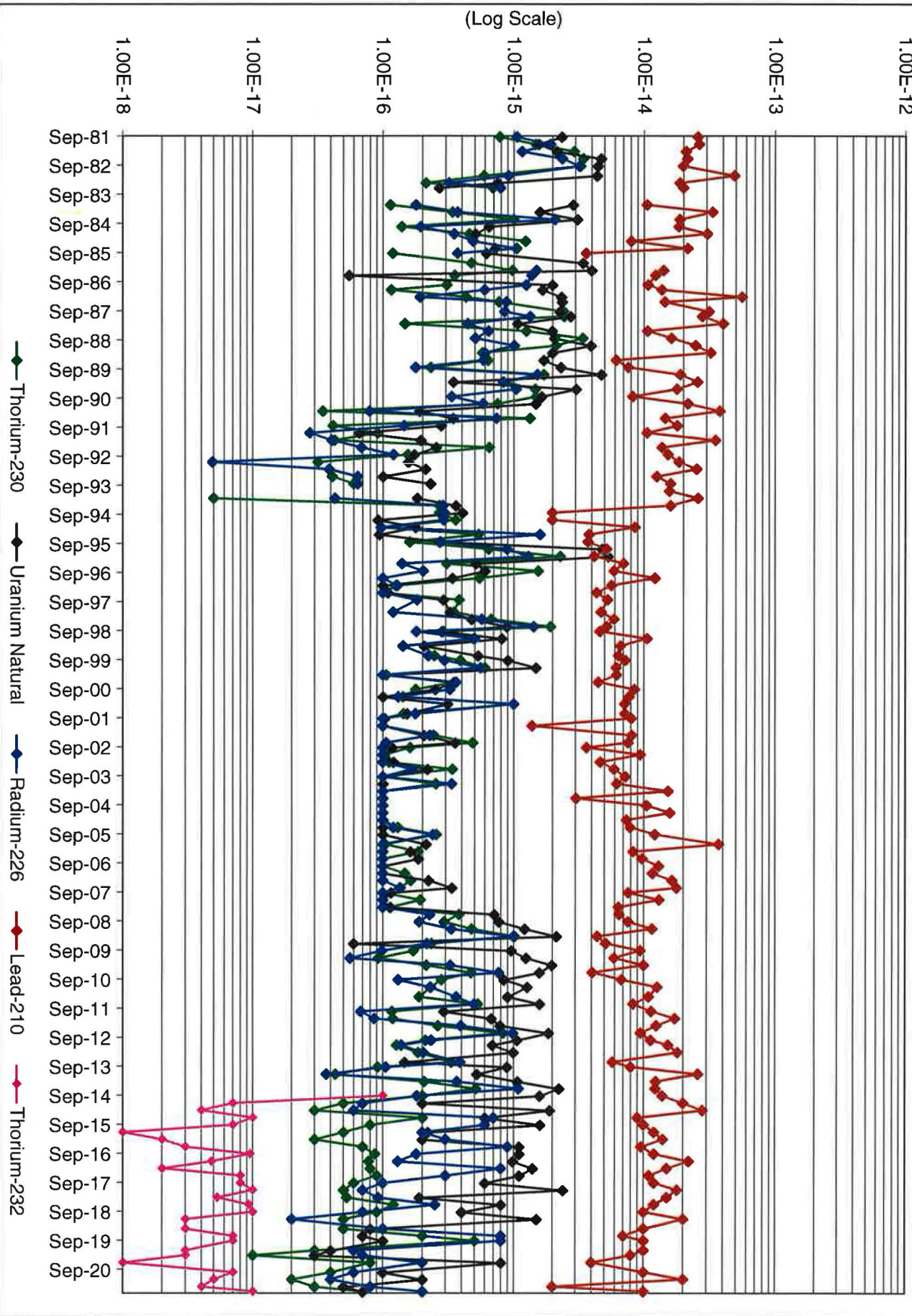
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-1T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA 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	2.00E-14	2.00E-12	5.00E-13	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 =			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

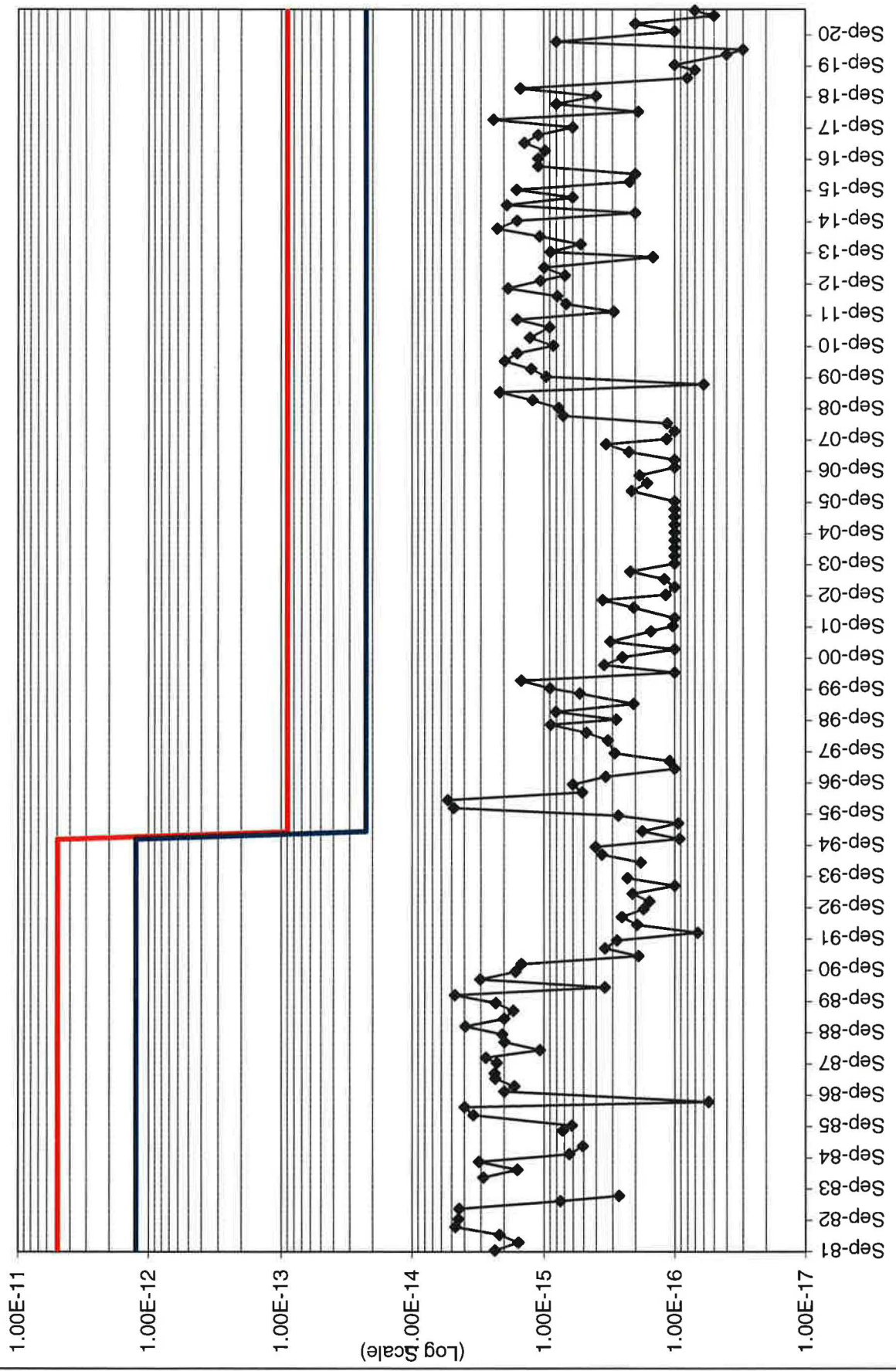
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-1U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-1T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-1R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-1PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-1T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA 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

BHV-1 Radionuclide Concentrations (uCi/ml)



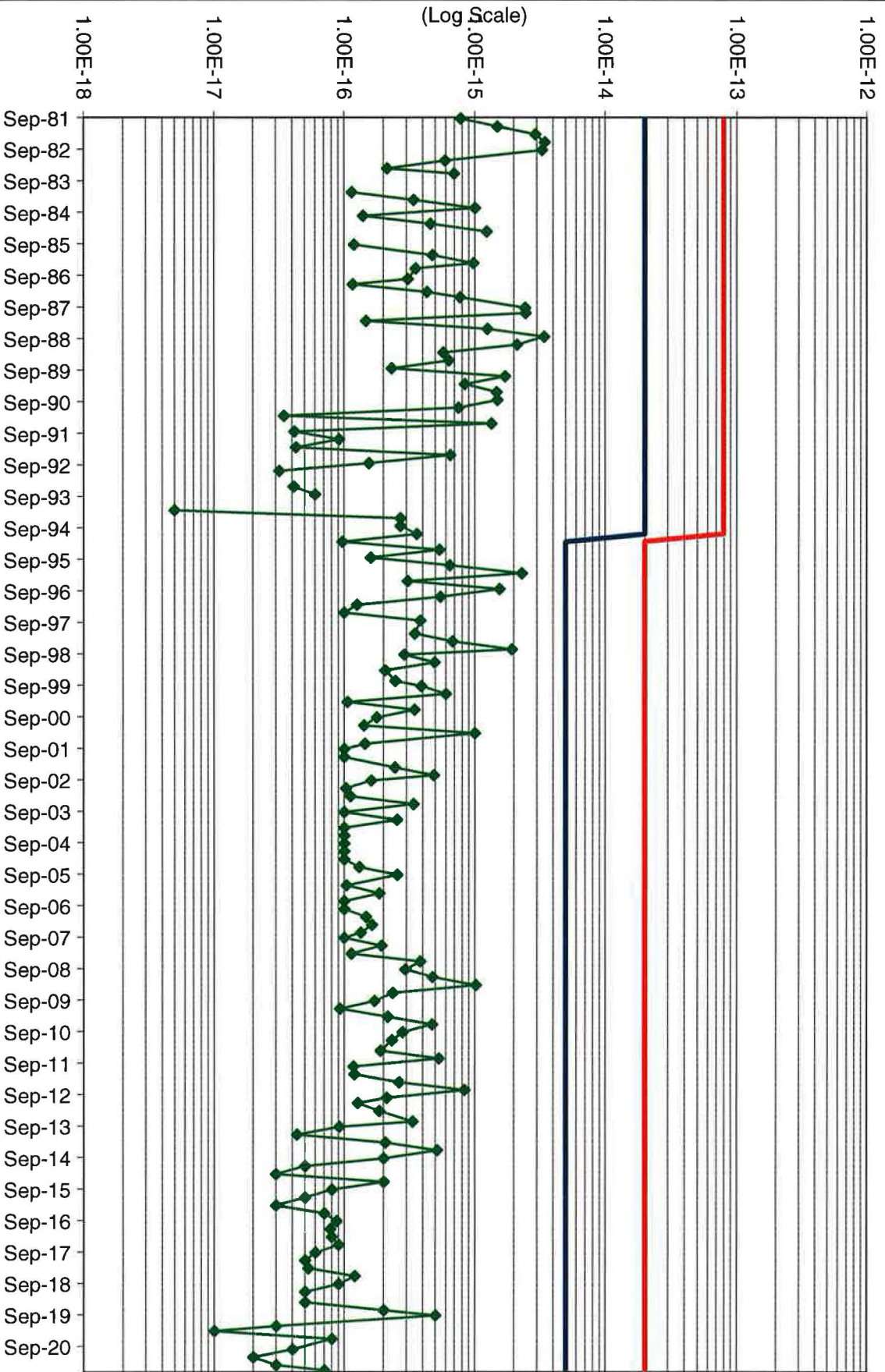
BHV-1 Uranium-Natural Concentrations (uCi/ml)

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



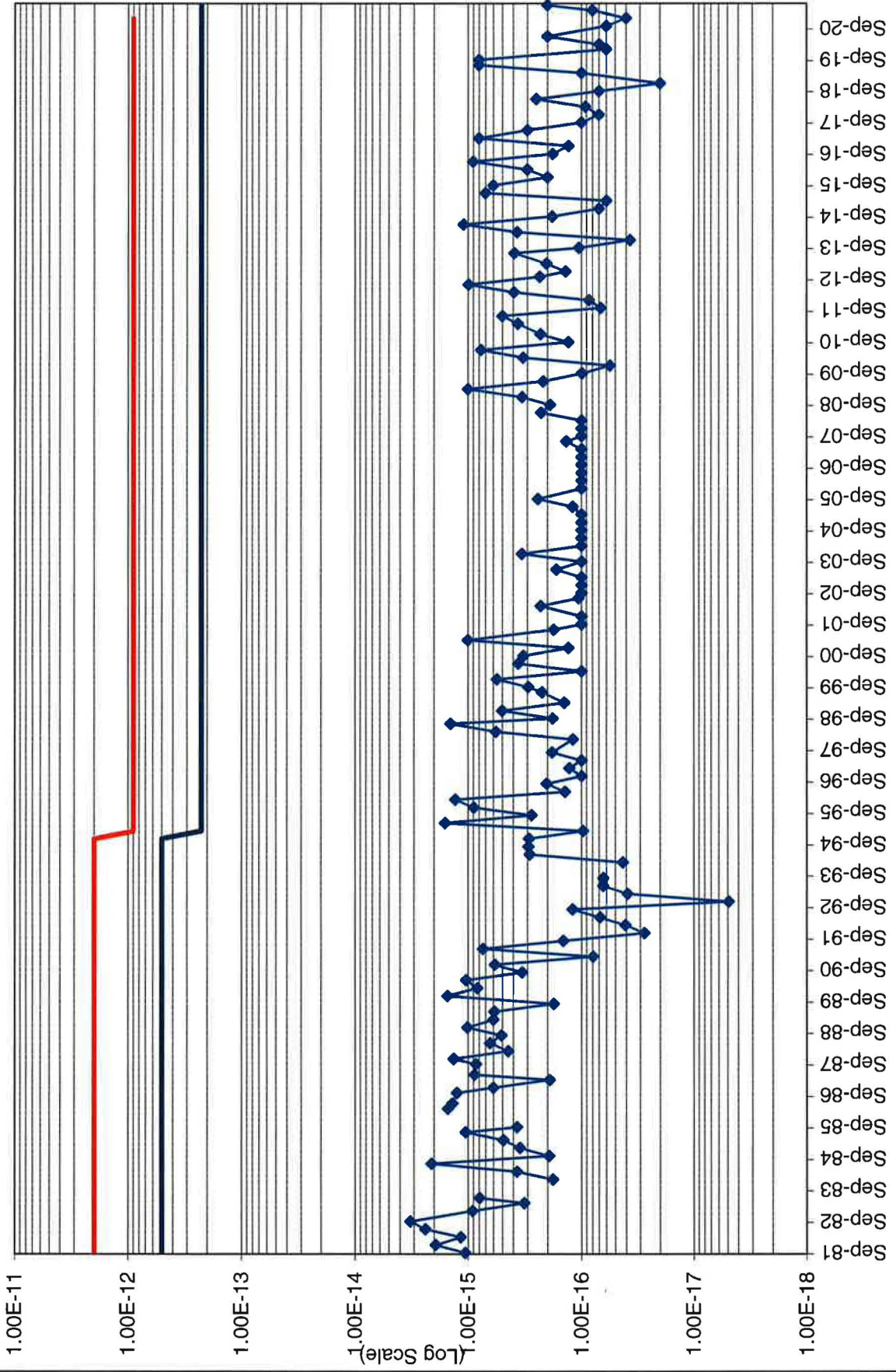
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

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



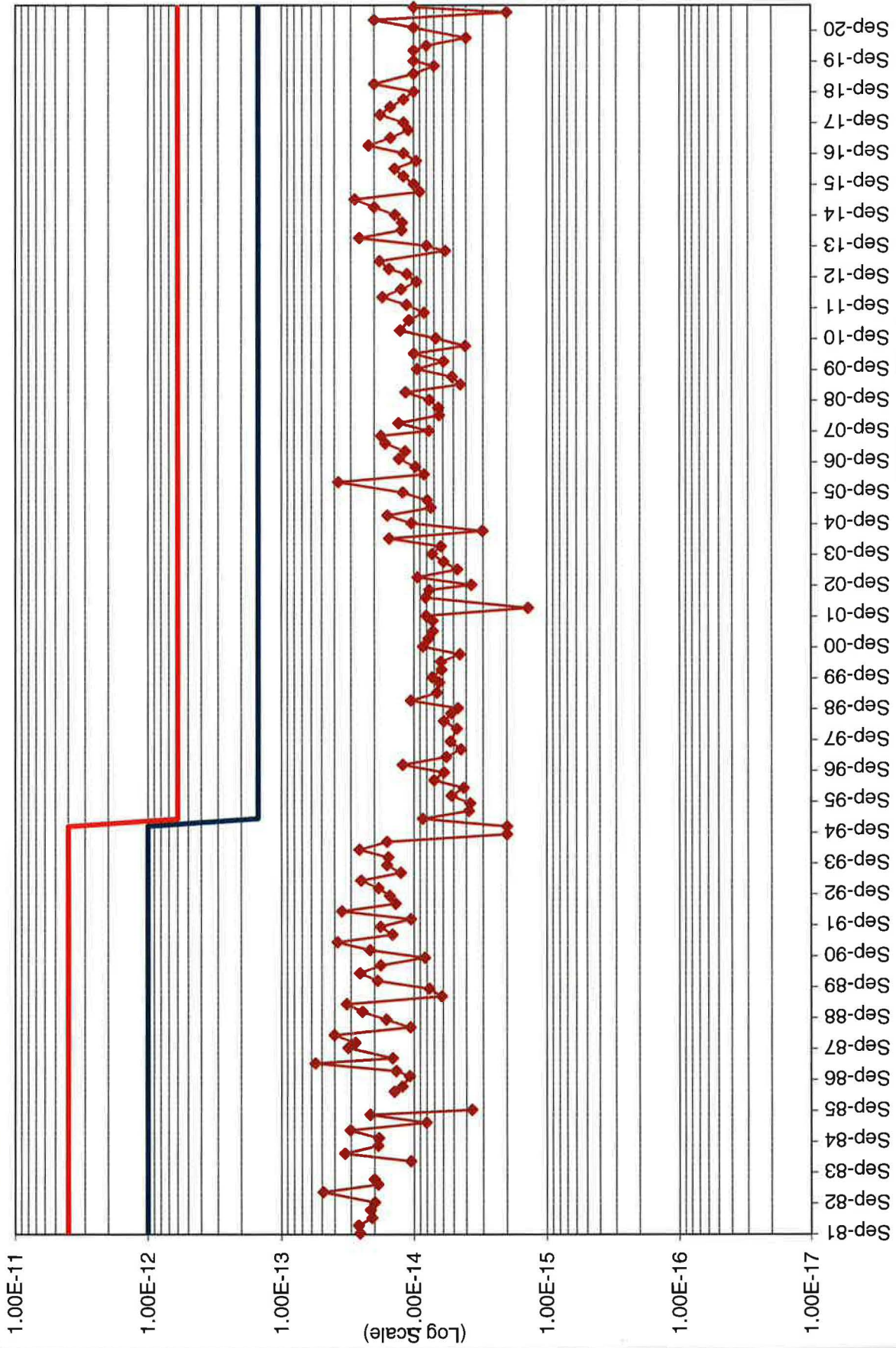
BHV-1 Radium-226 Concentrations (uCi/ml)

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



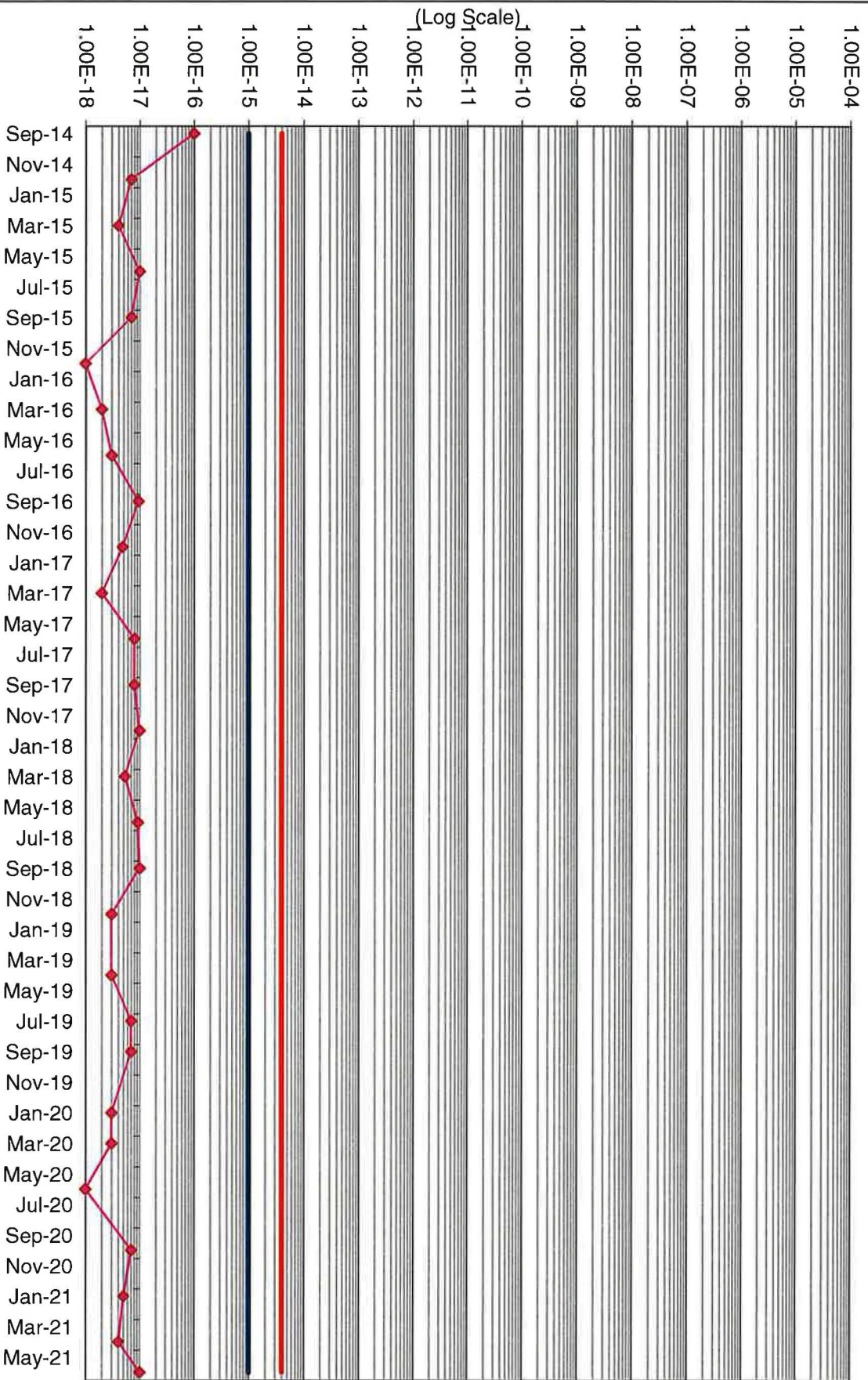
BHV-1 Lead-210 Concentrations (uCi/ml)

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)



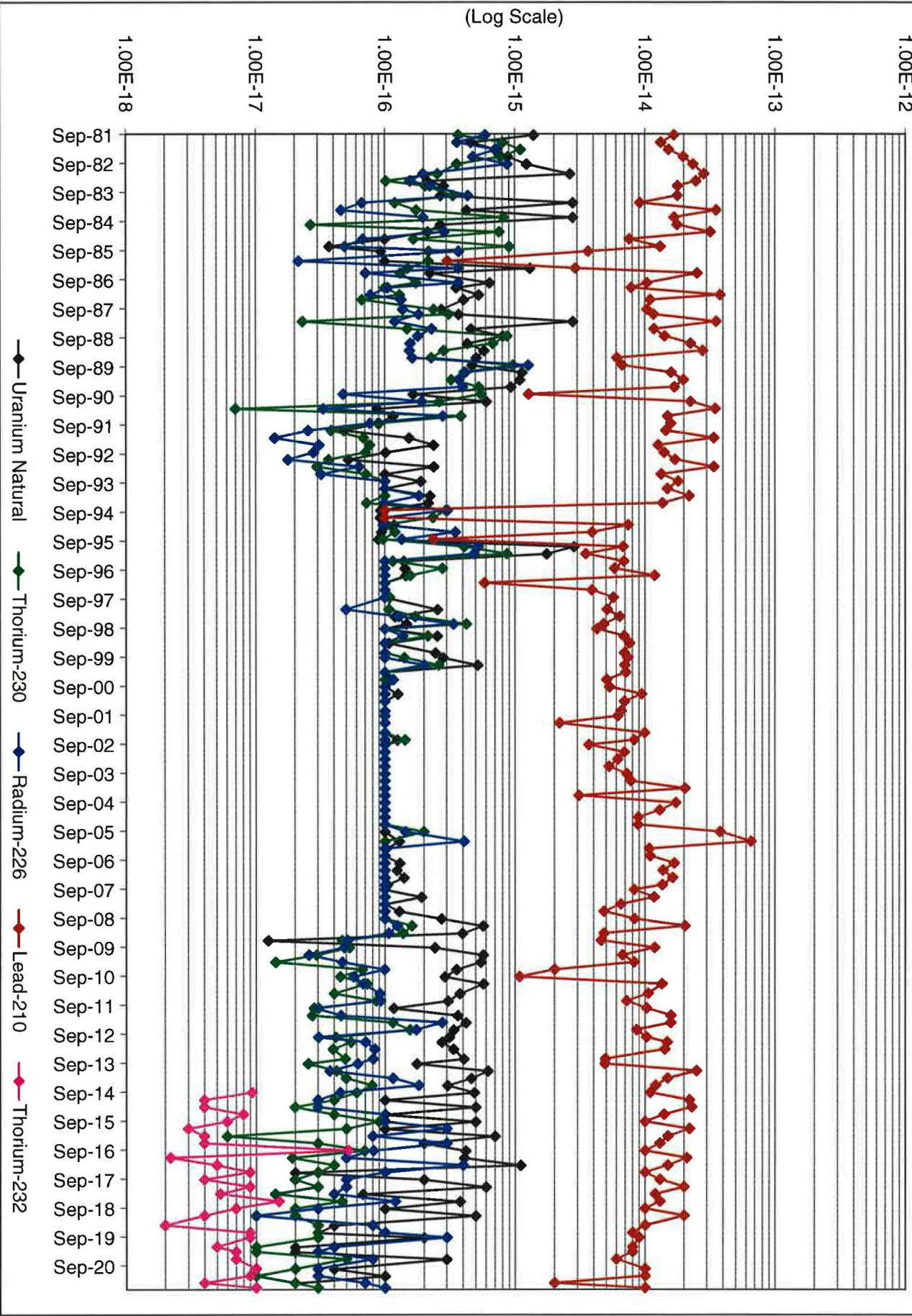
TAB 2

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 = 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
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-17	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

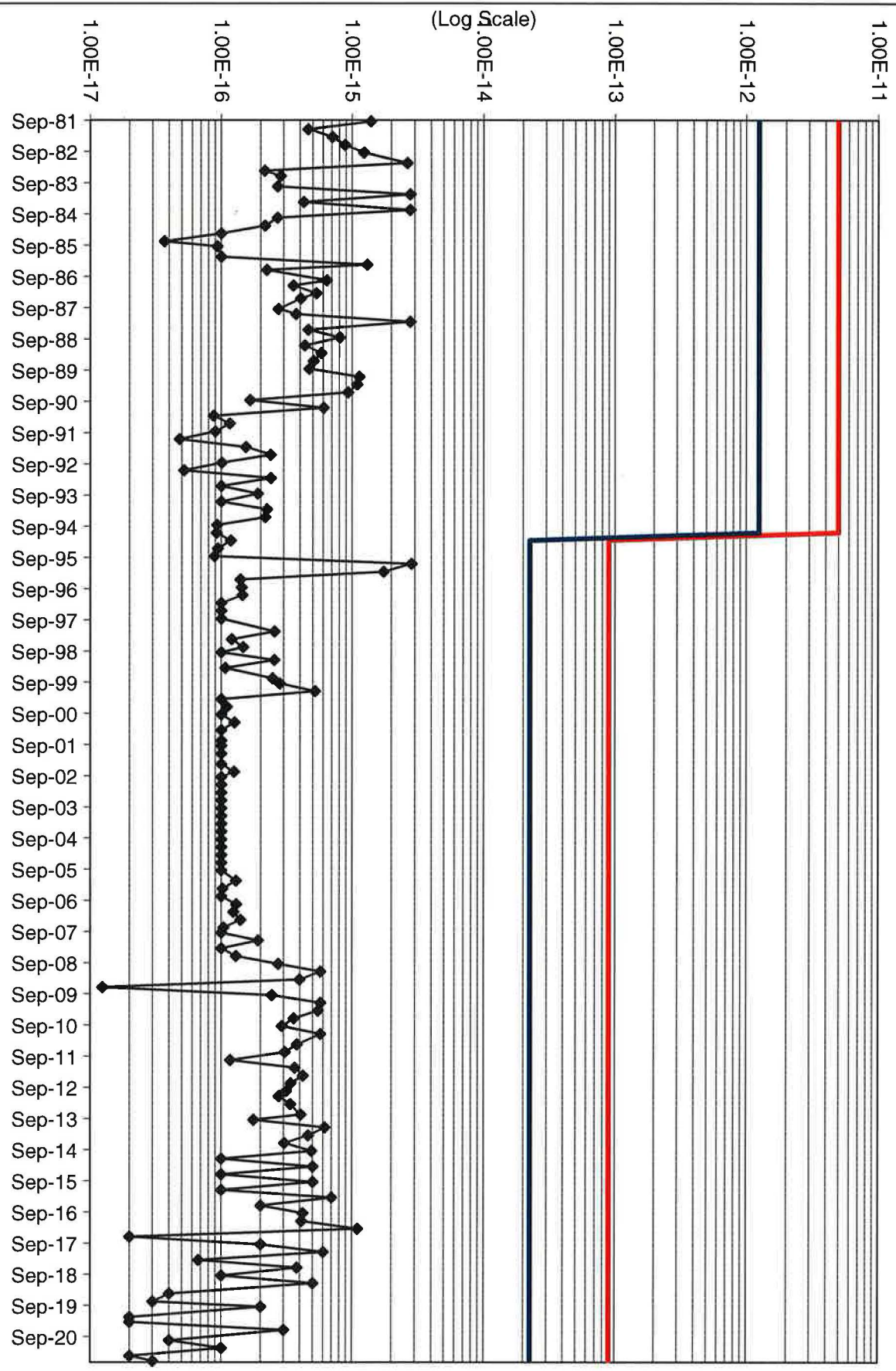
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-2U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-2T230	Effluent Concentration Limit =	9E-15 uCi/ml	BHV-2R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-2PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-2T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA 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
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

BHV-2 Radionuclide Concentrations (uCi/ml)



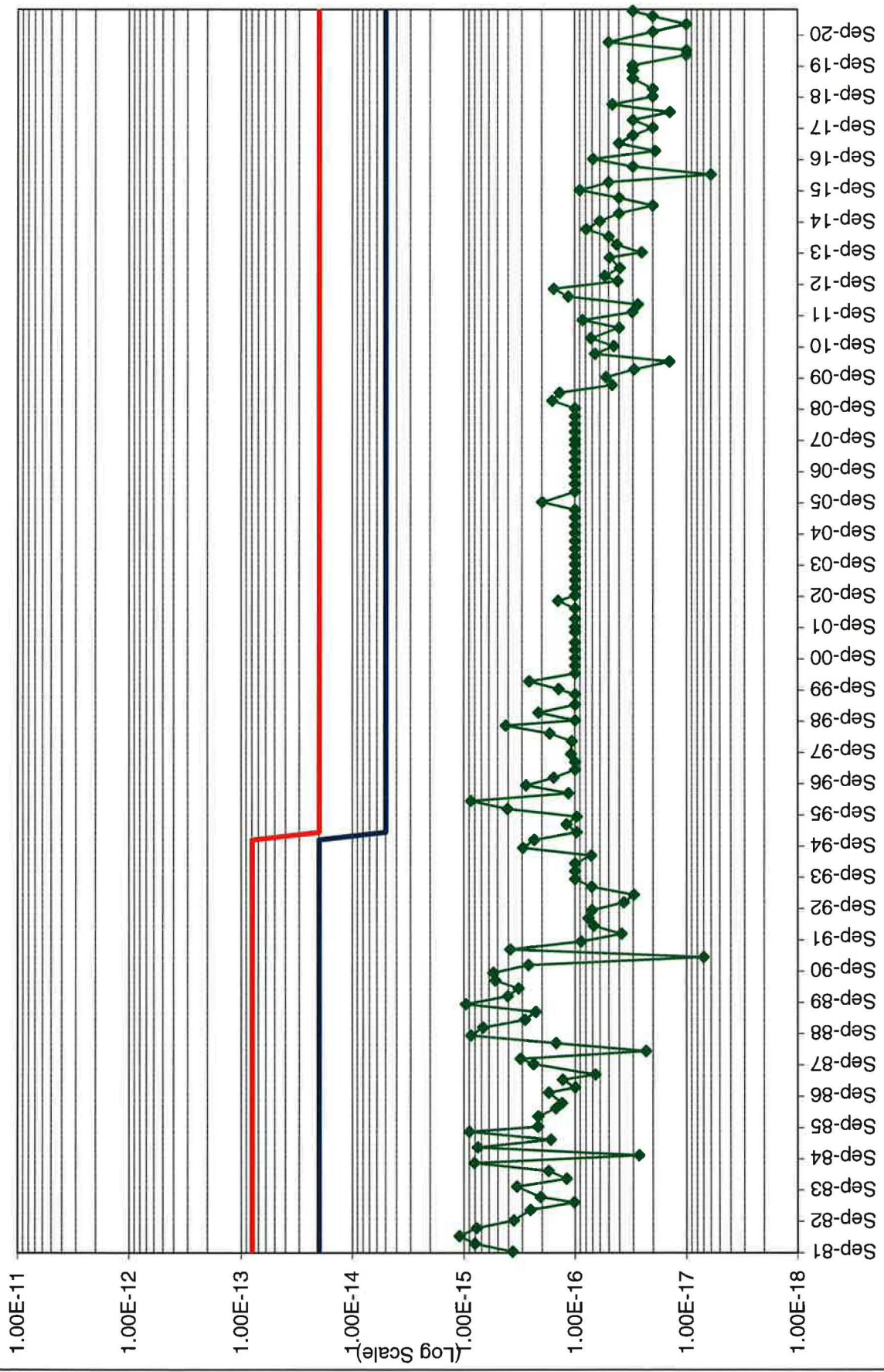
Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12 uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml

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



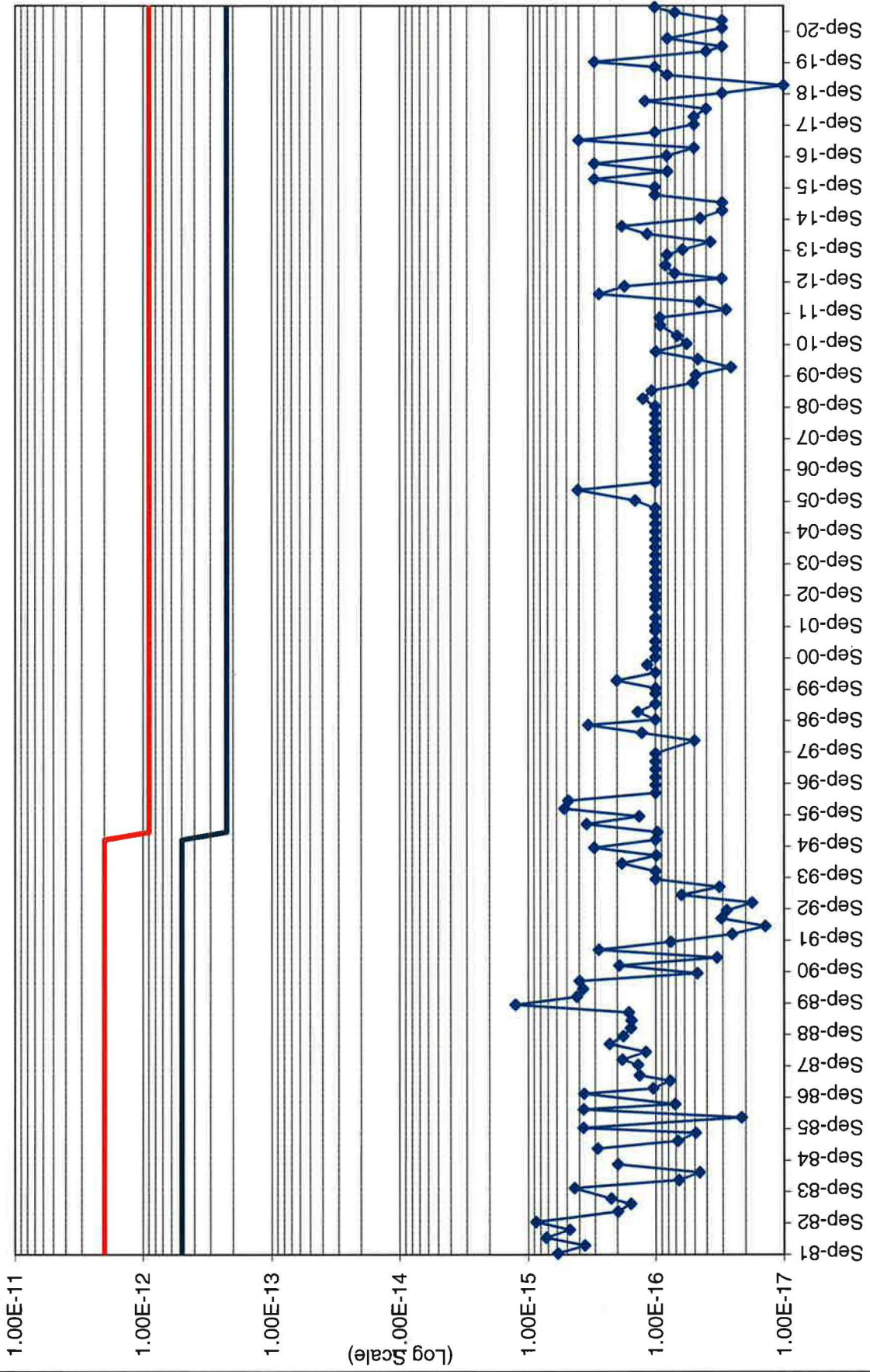
BHV-2 Thorium-230 Concentrations (uCi/ml)

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



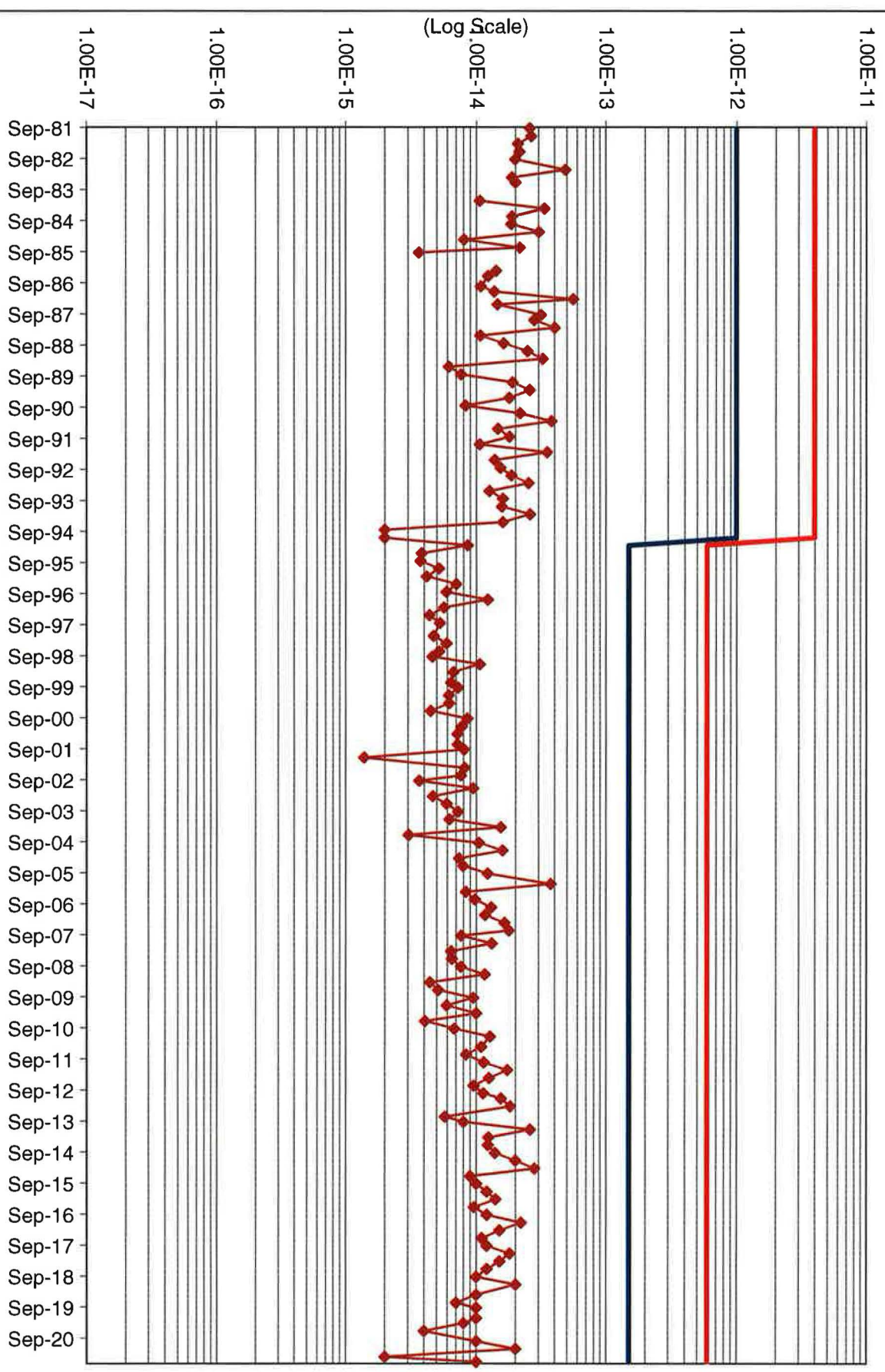
BHV-2 Radium-226 Concentrations (uCi/ml)

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



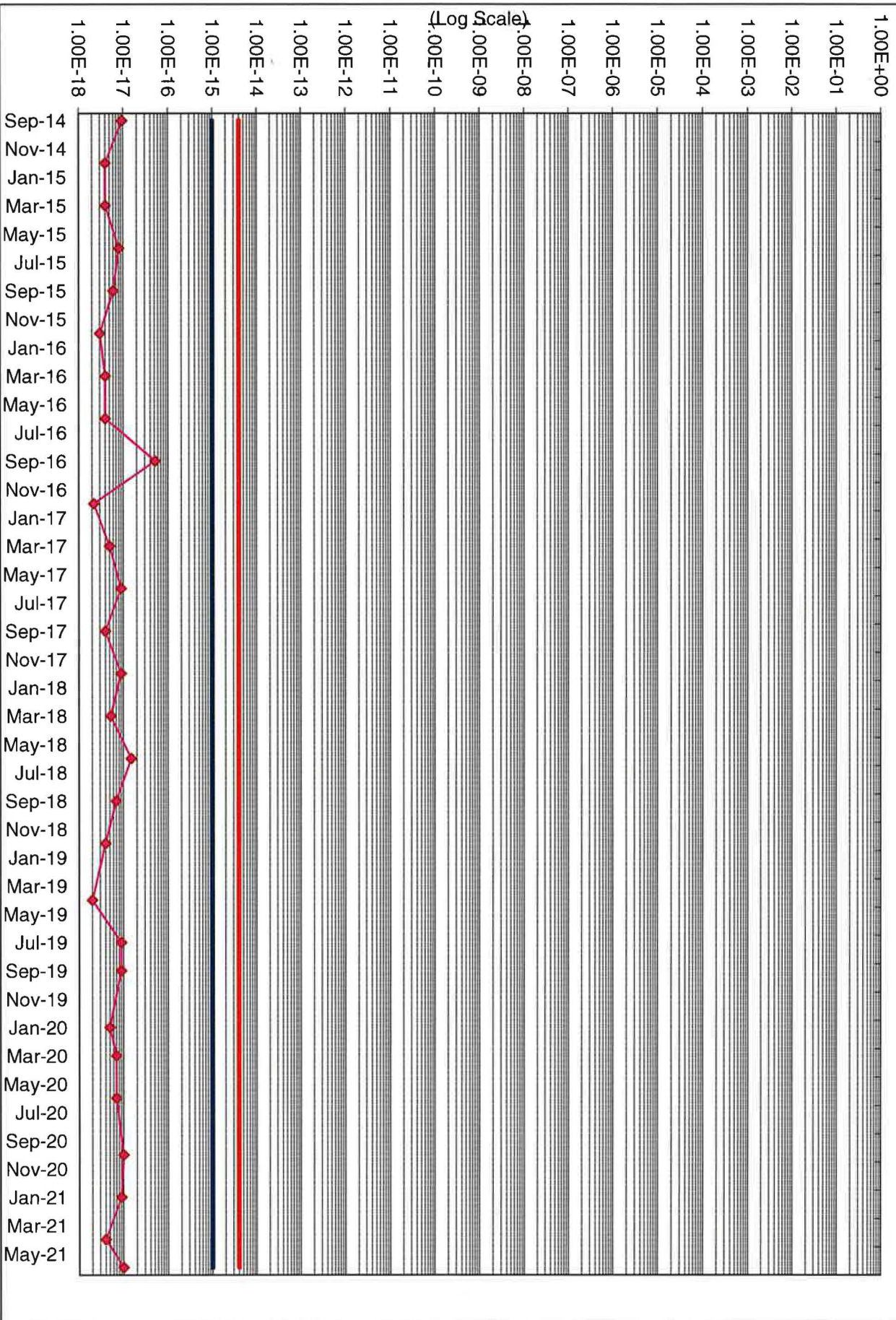
Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12 uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml

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



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

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



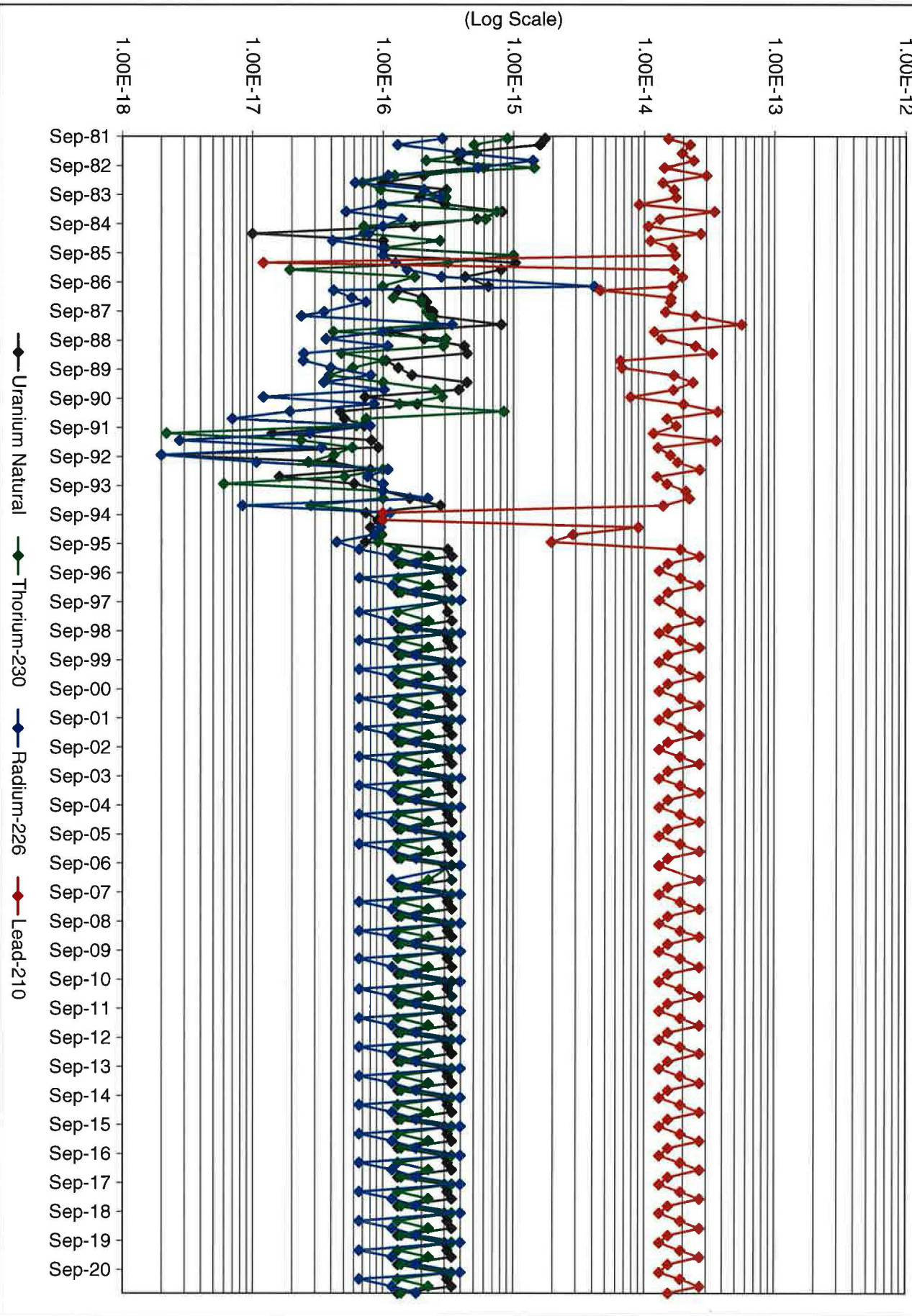
TAB 3

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

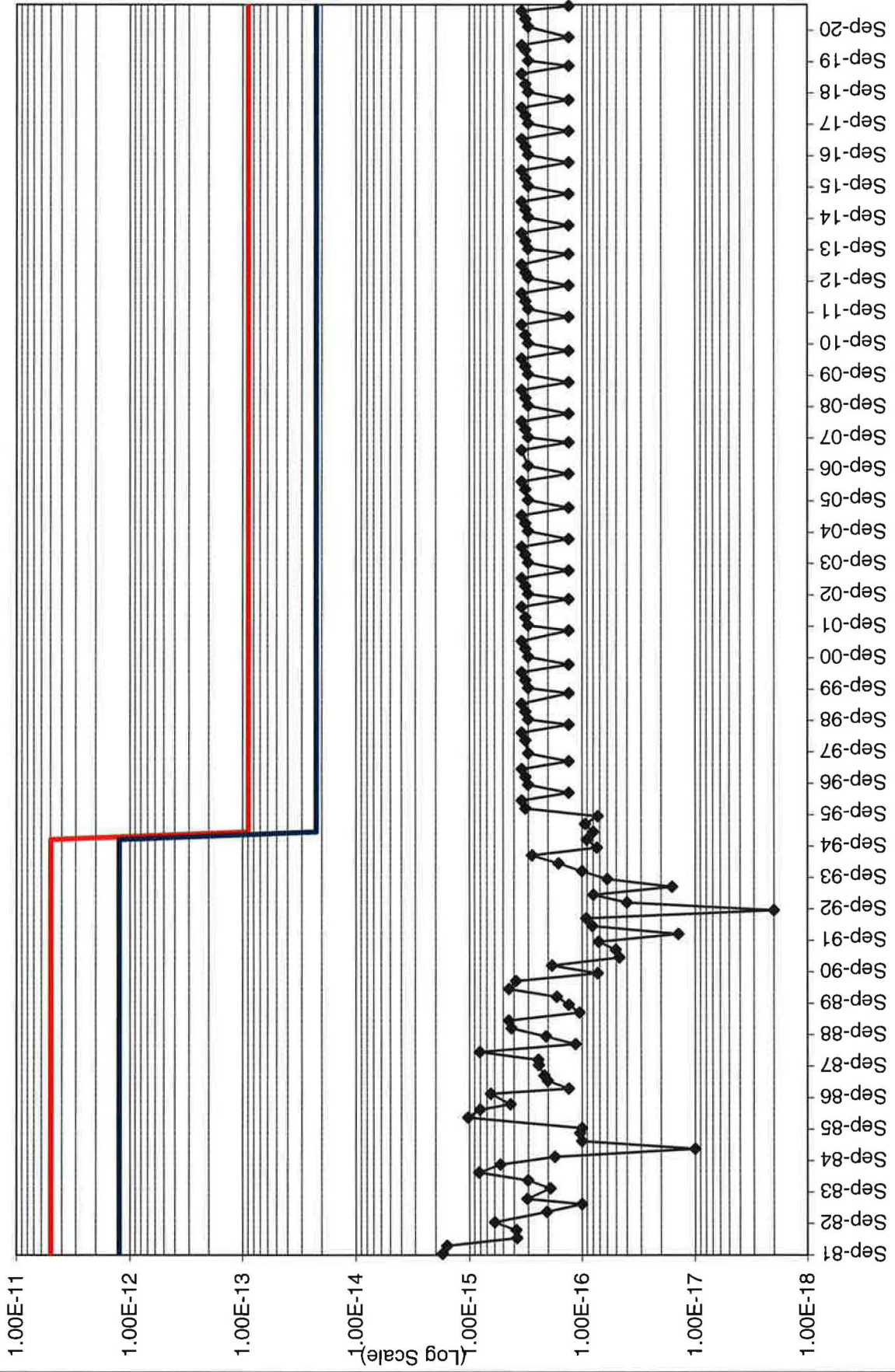
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-3U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-3T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-3R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-3PB
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-15 uCi/ml		ALARA Goal =	2.25E-13 uCi/ml		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

BHV-3 Radionuclide Concentrations (uCi/ml)



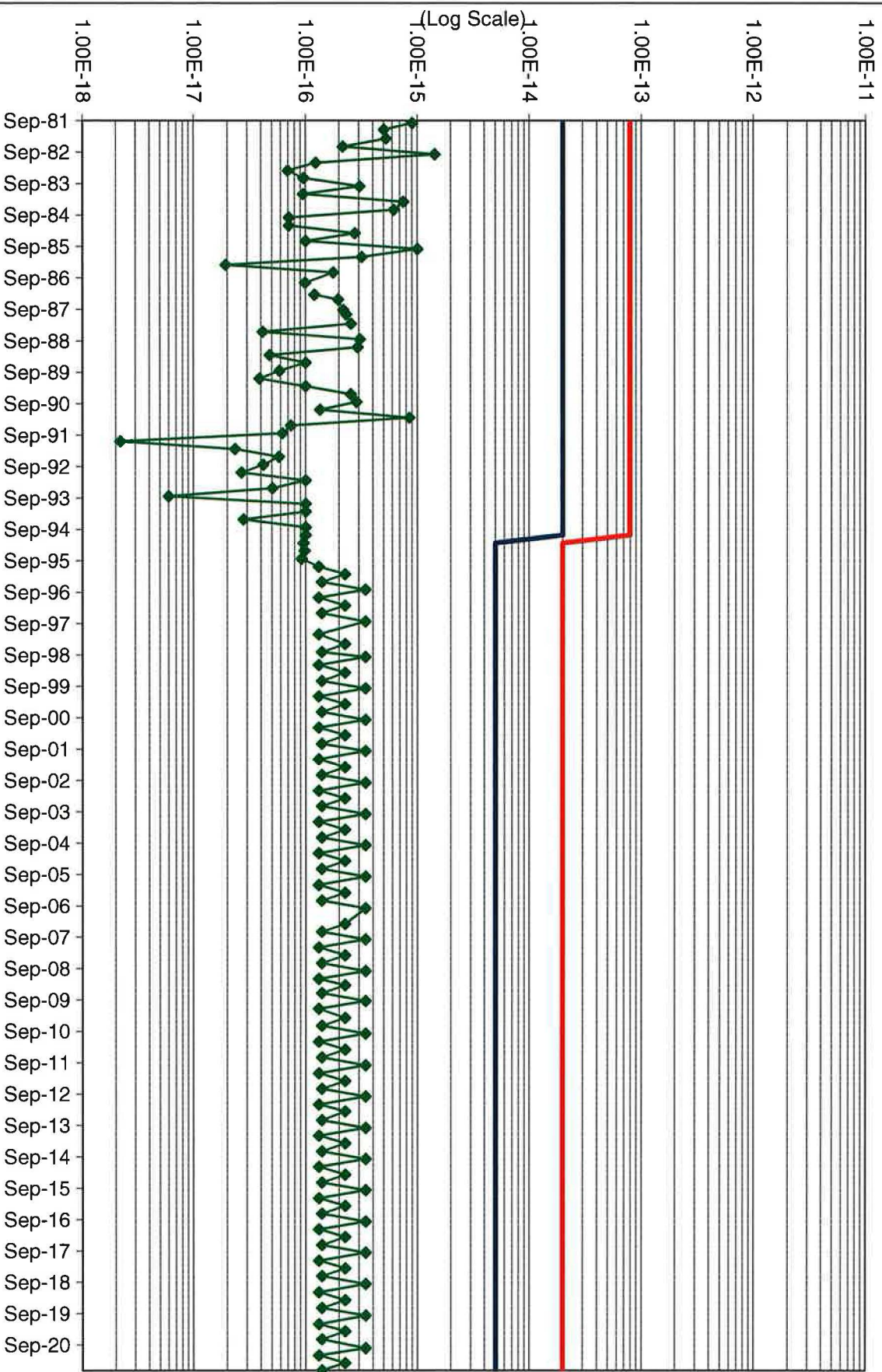
BHV-3 Uranium-Natural Concentrations (uCi/ml)

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



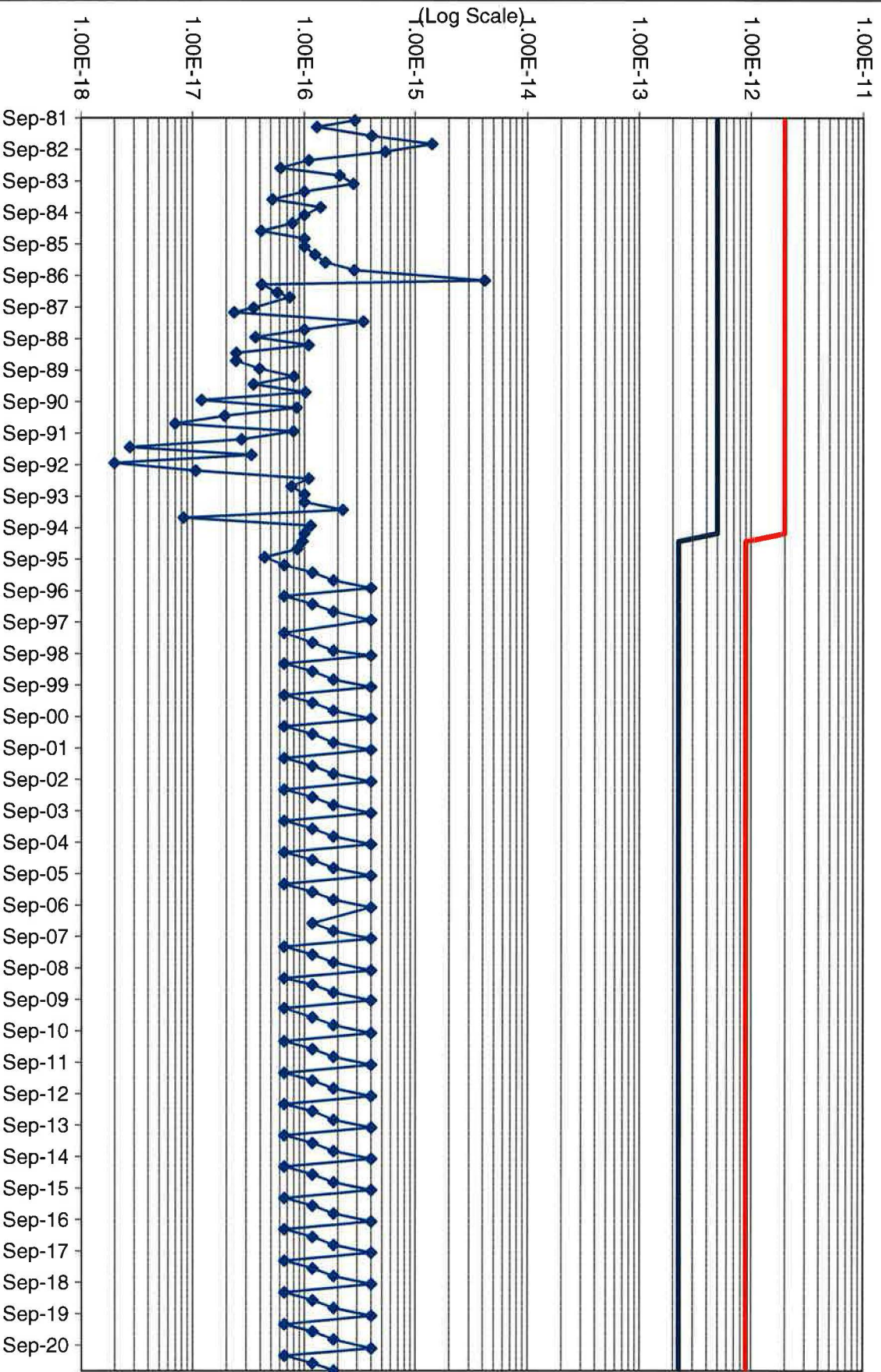
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

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



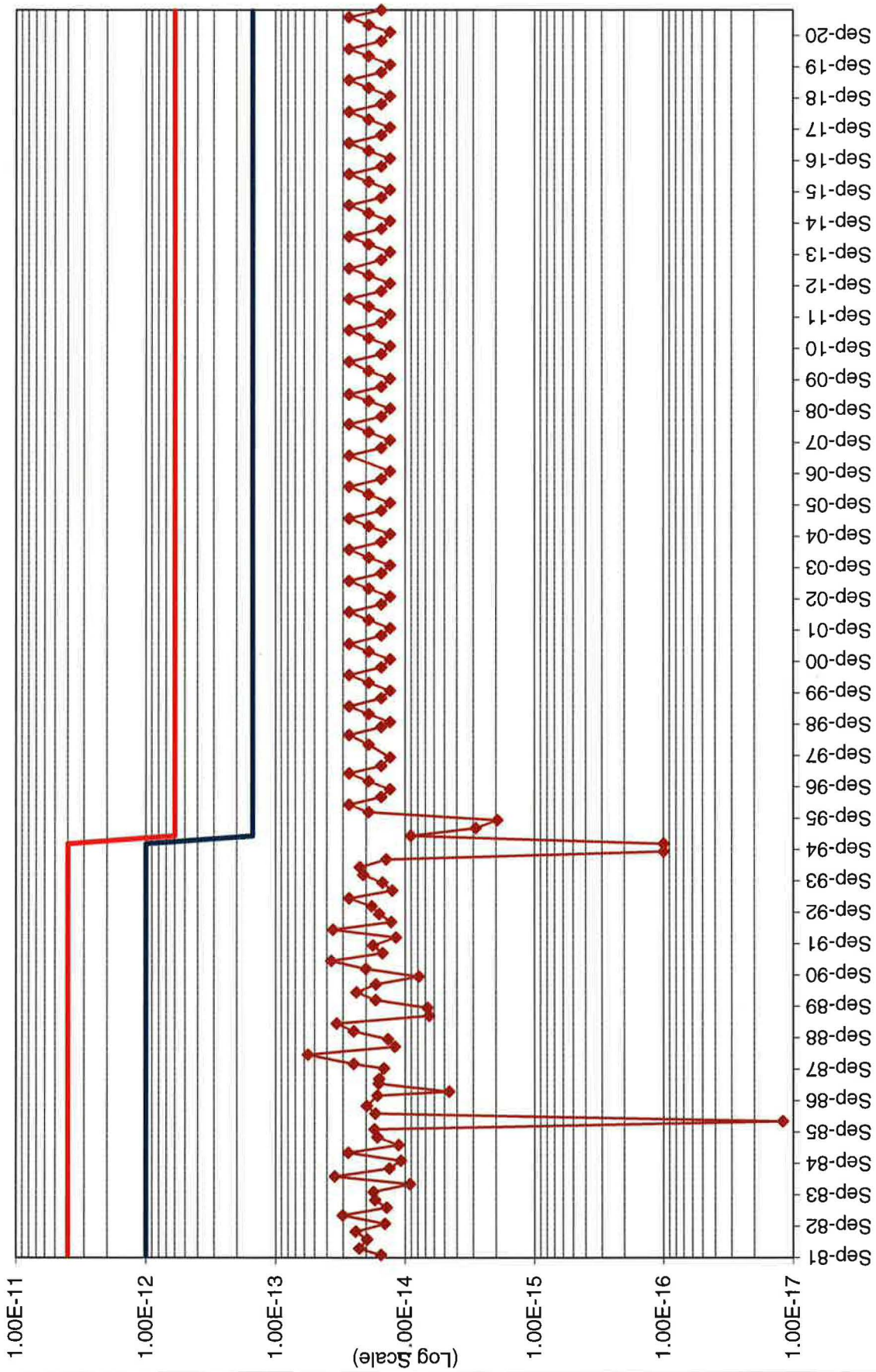
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

BHV-3 Radium-226 Concentrations (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

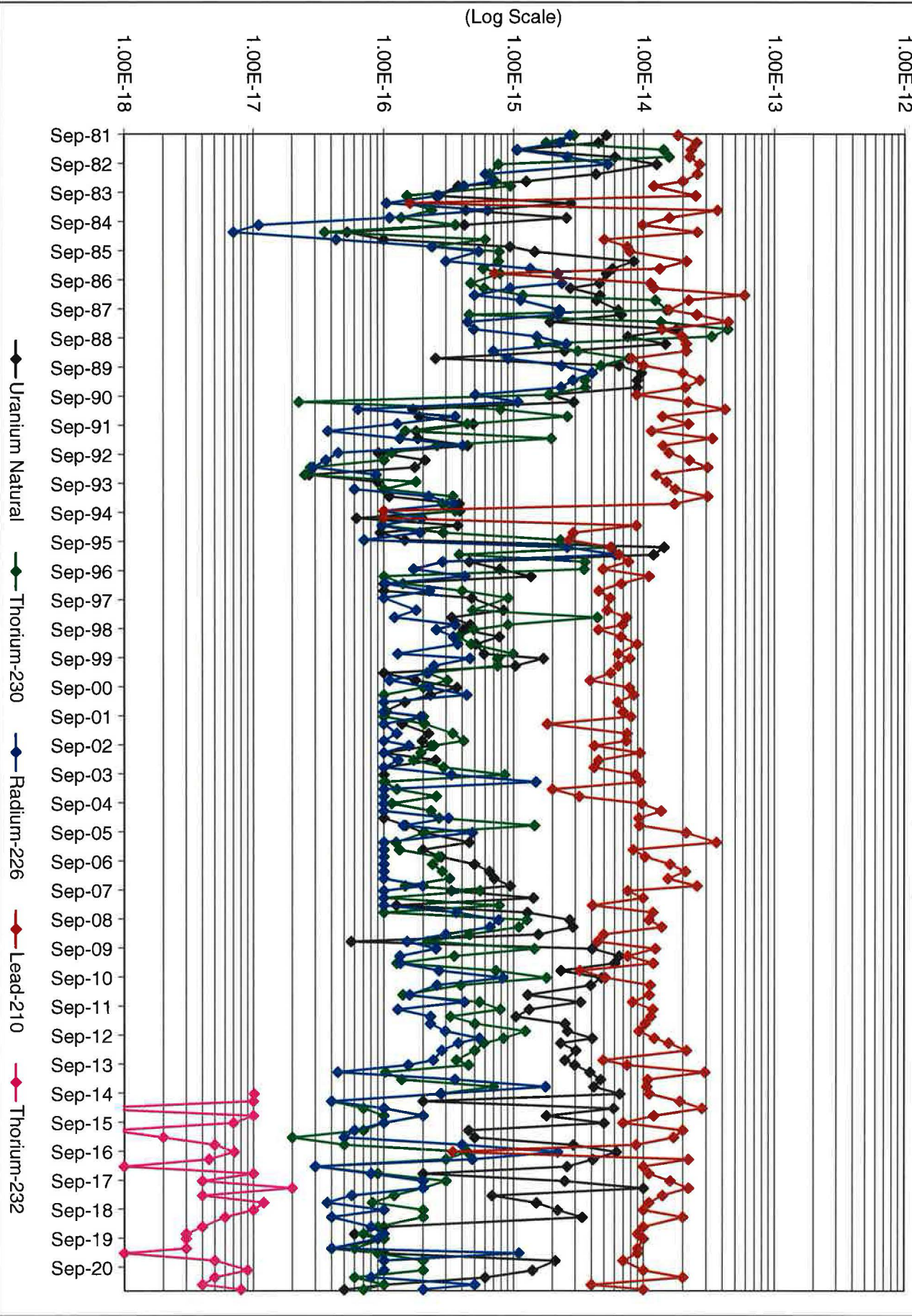


TAB 4

BHV-4 AIR SAMPLING GRAPHS AND DATA TABLE

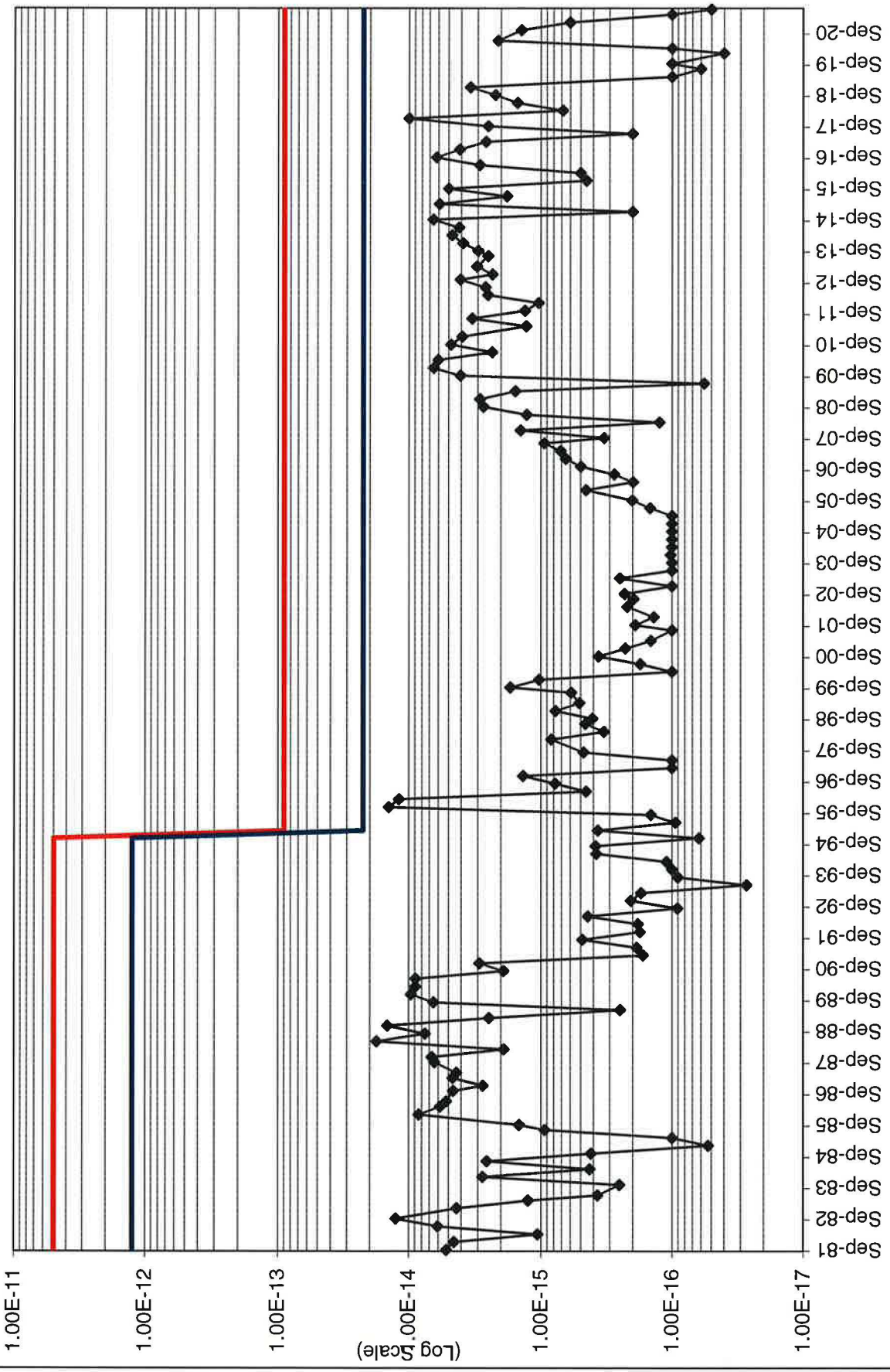
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-4U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-4T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-4R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-4PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-4T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA 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
9/24/2018	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

BHV-4 Radionuclide Concentrations (uCi/ml)



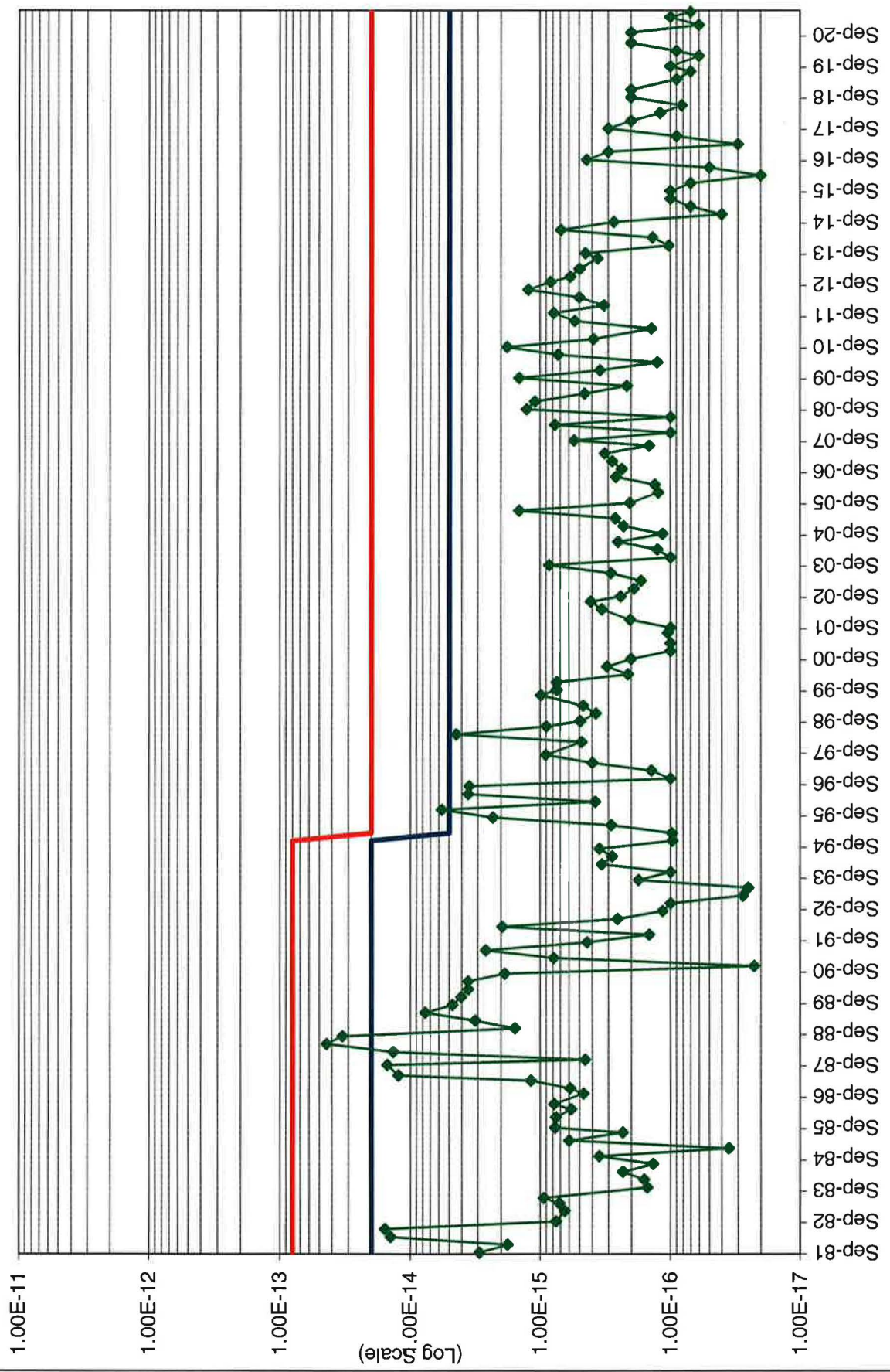
BHV-4 Uranium-Natural Concentrations (uCi/ml)

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



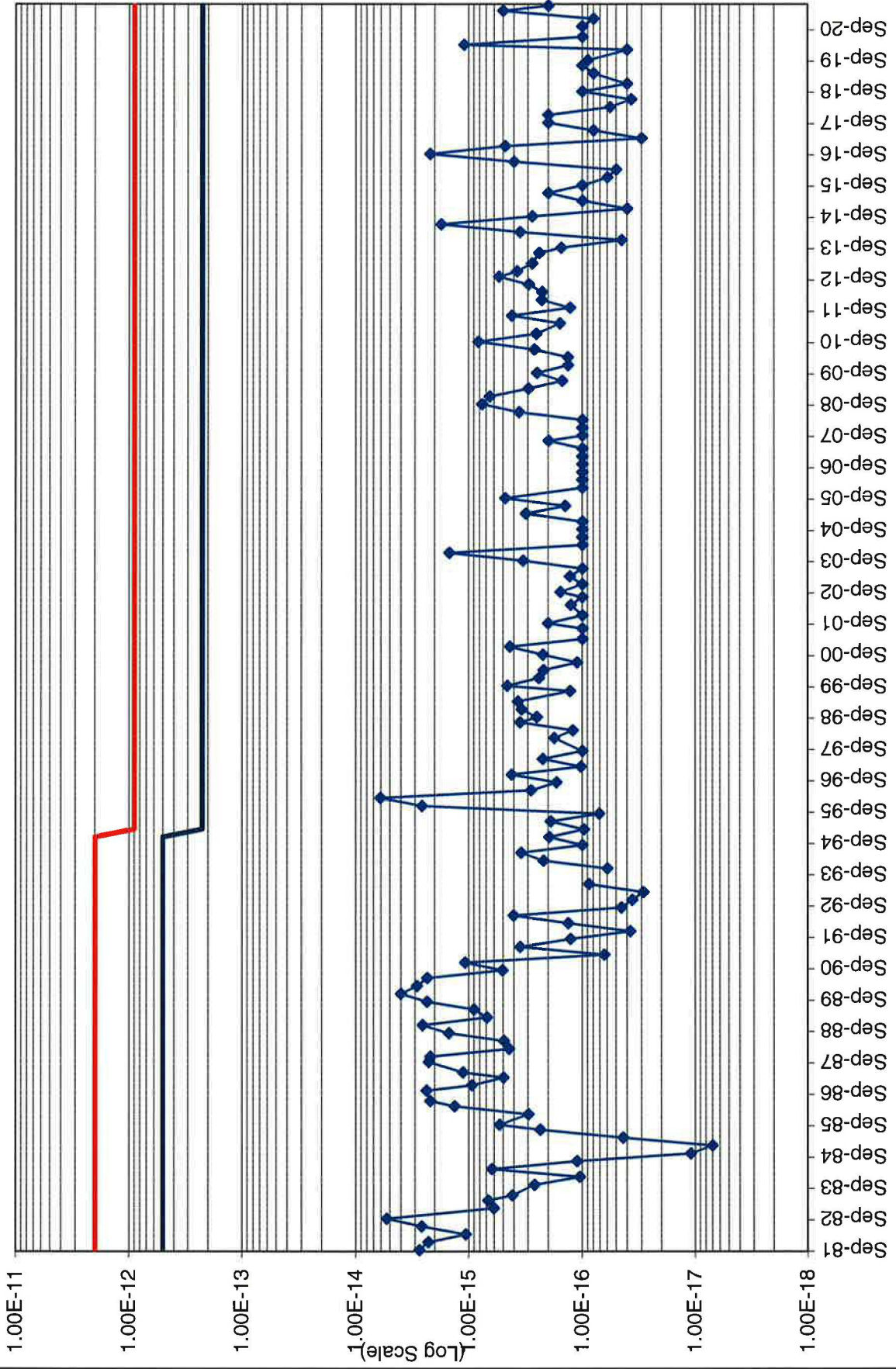
BHV-4 Thorium-230 Concentrations (uCi/ml)

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



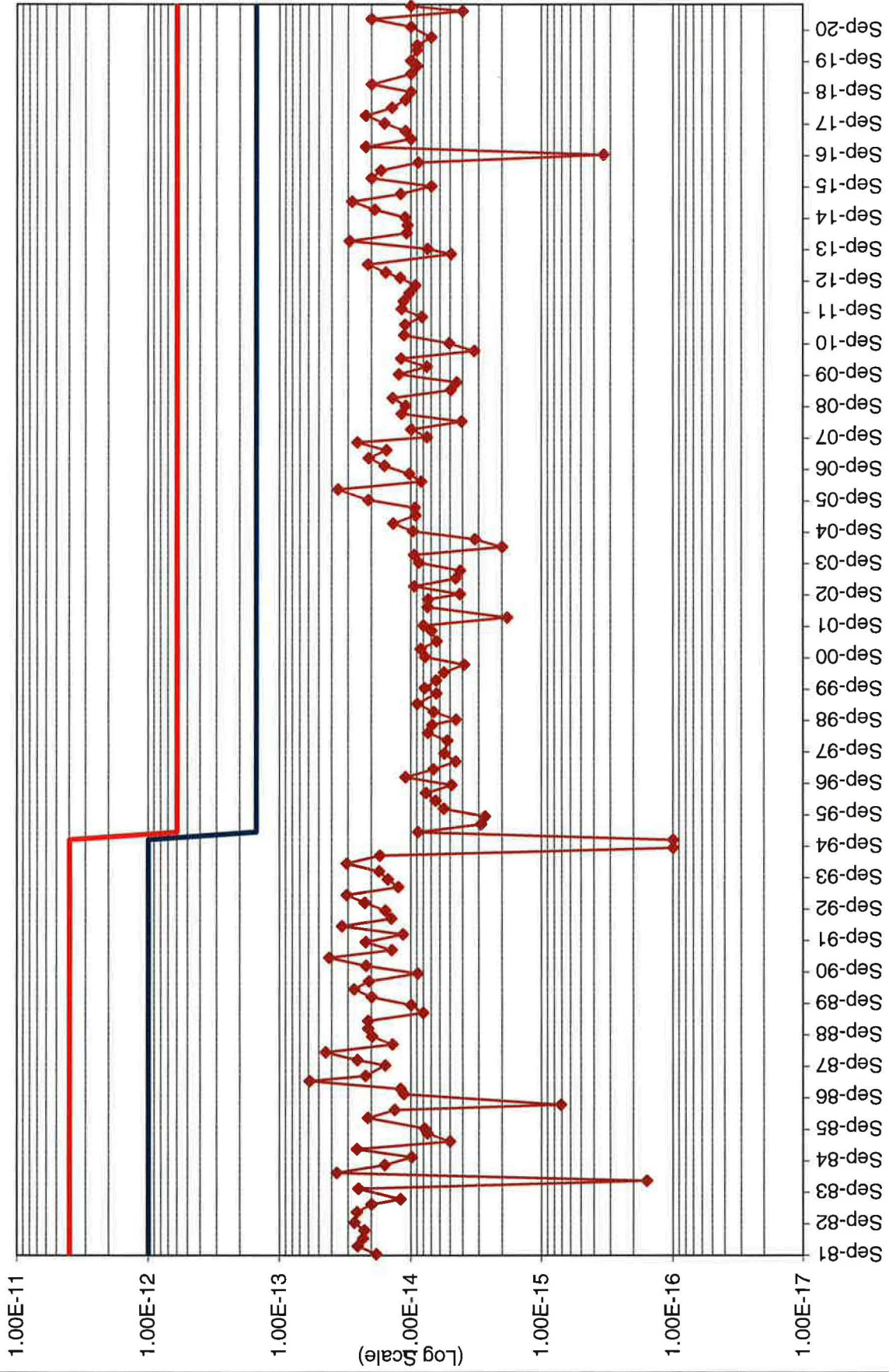
BHV-4 Lead-210 Concentrations (uCi/ml)

Effluent Concentration Limit = 6E-13 uCi/ml

ALARA Goal = 1.5E-13 uCi/ml

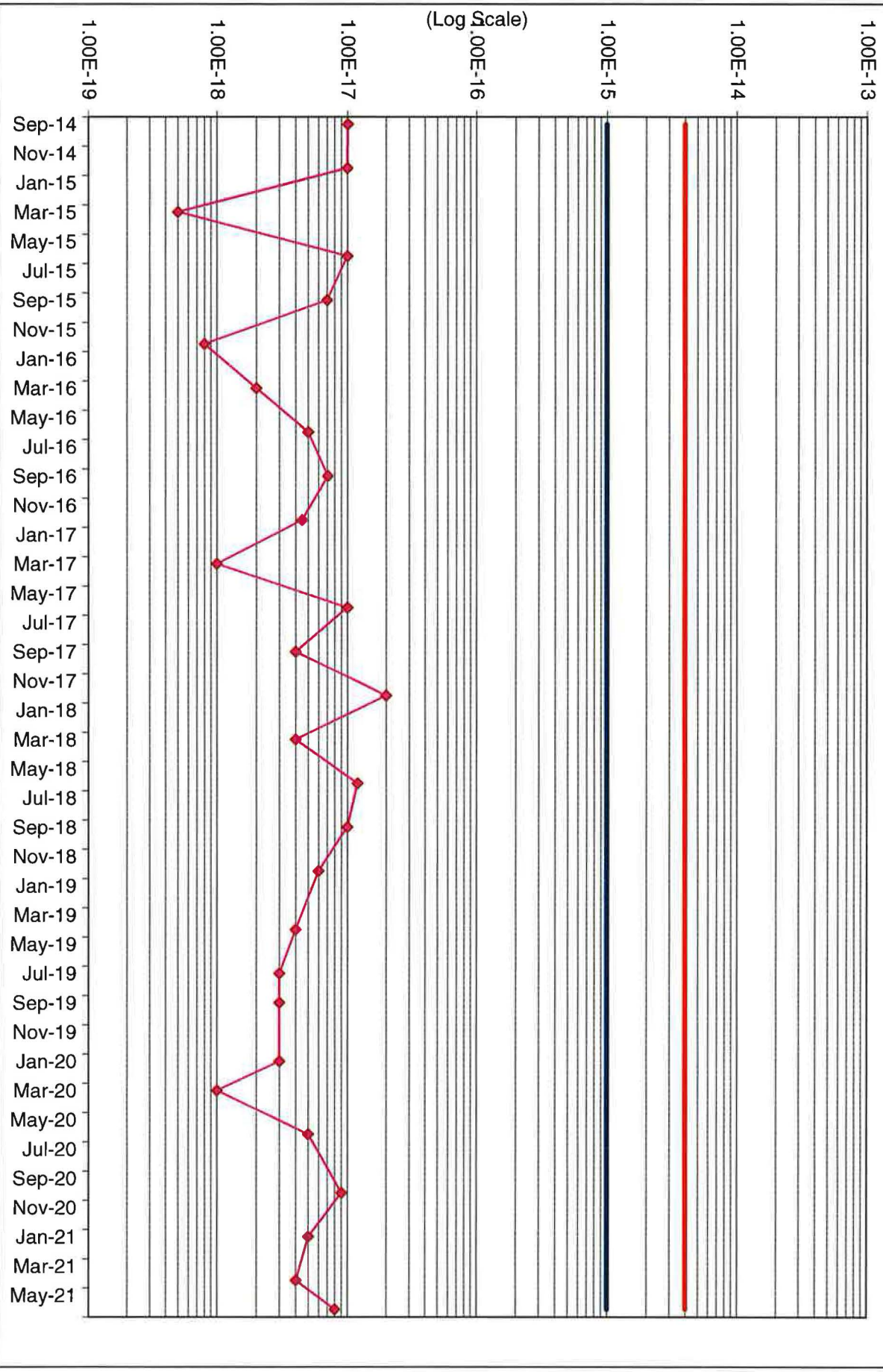
Pre 1994 MPC Limit = 4E-12 uCi/ml

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)



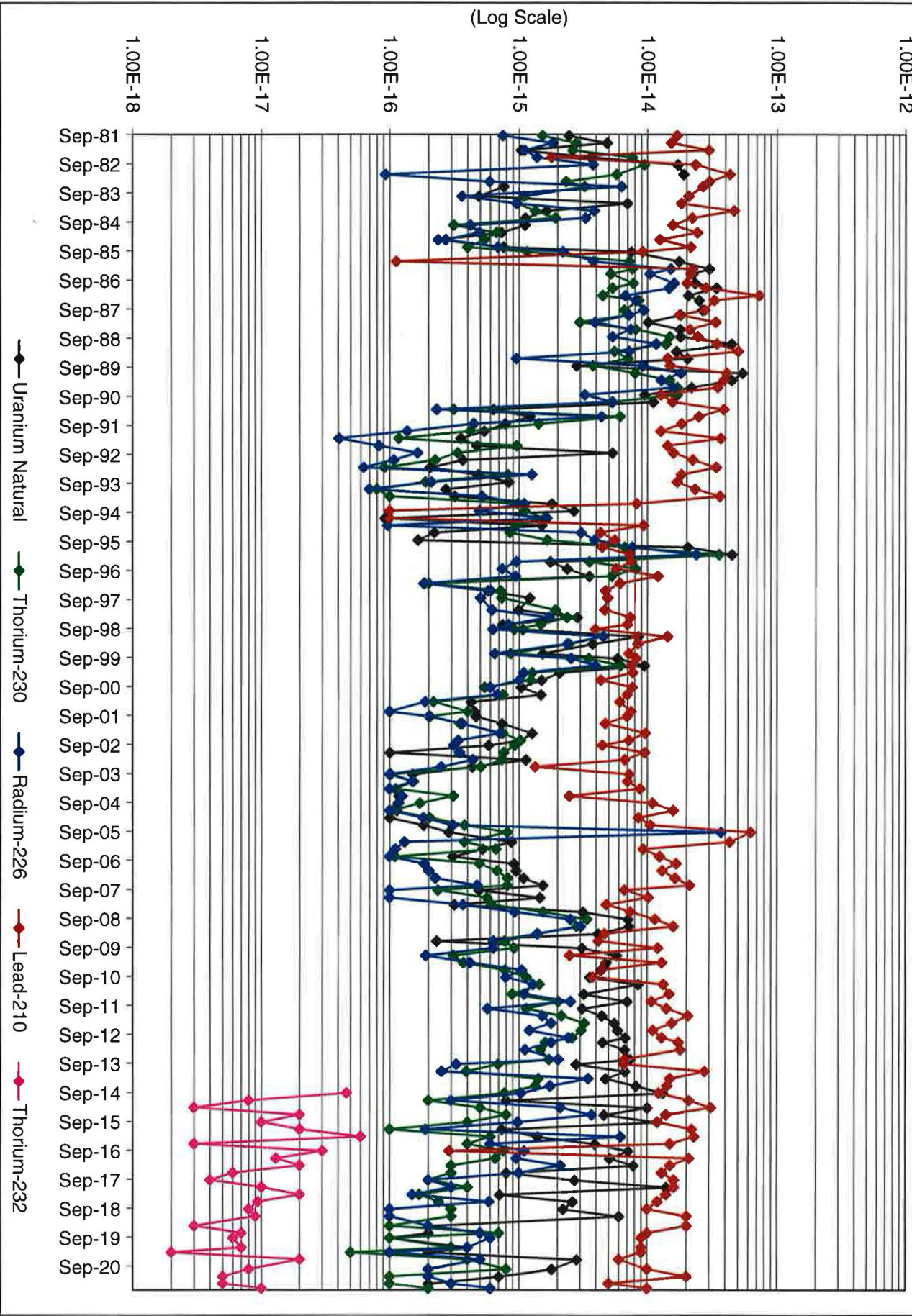
TAB 5

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 =	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	2.44E-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
11/17/1991	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

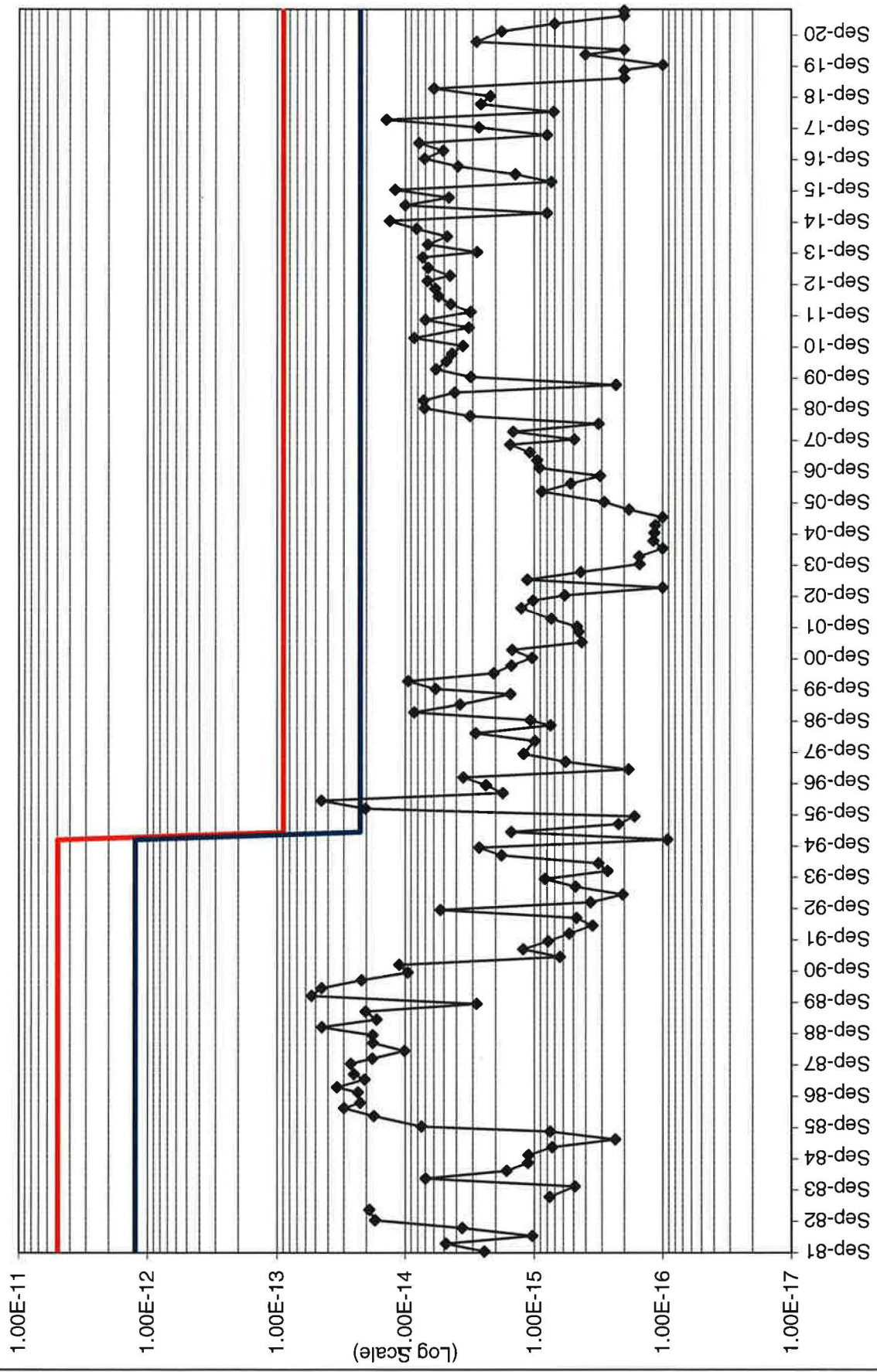
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-5U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-5T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-5R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-5PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-5T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA 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
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

BHV-5 Radionuclide Concentrations (uCi/ml)



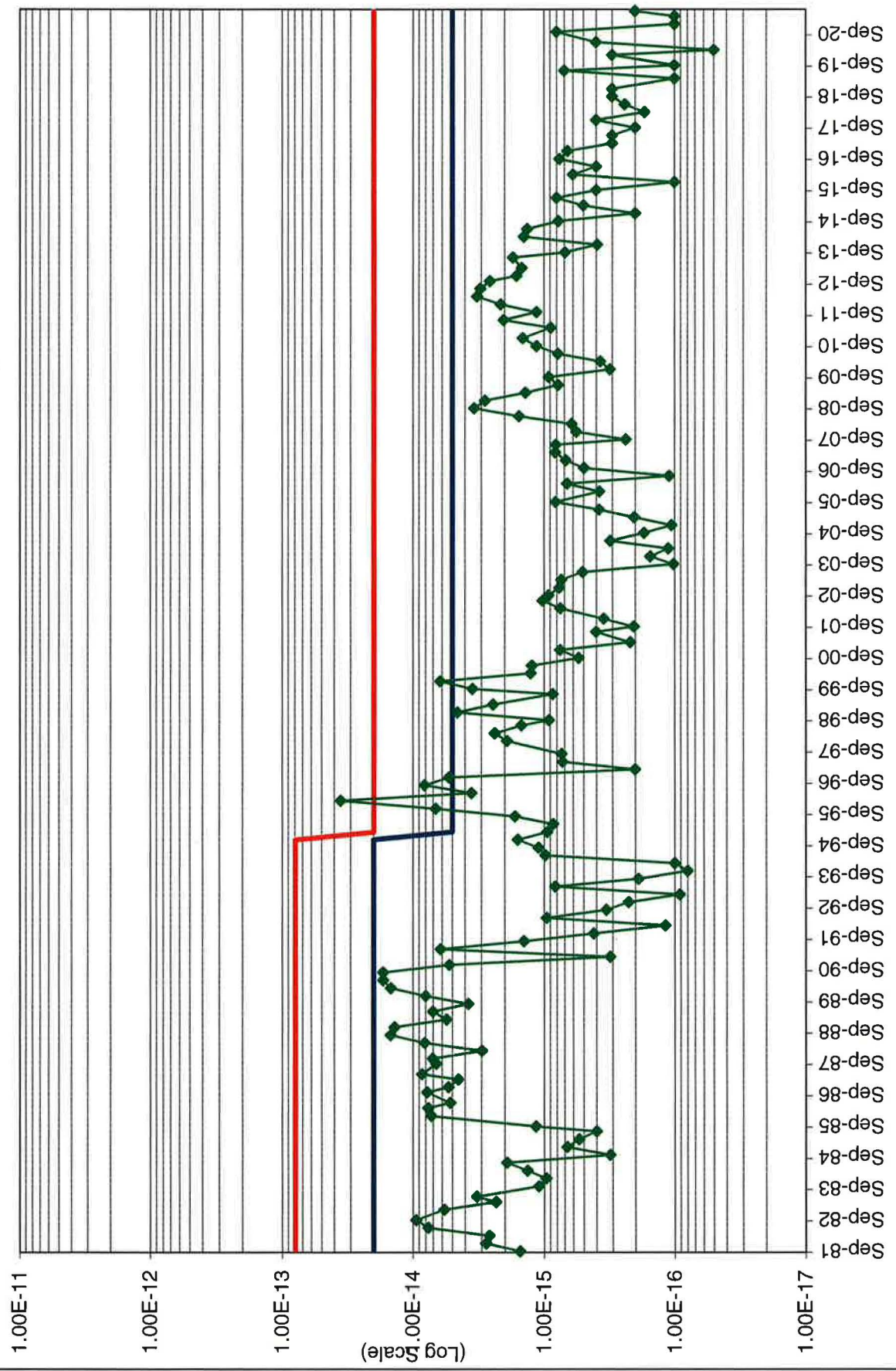
BHV-5 Uranium-Natural Concentrations (uCi/ml)

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



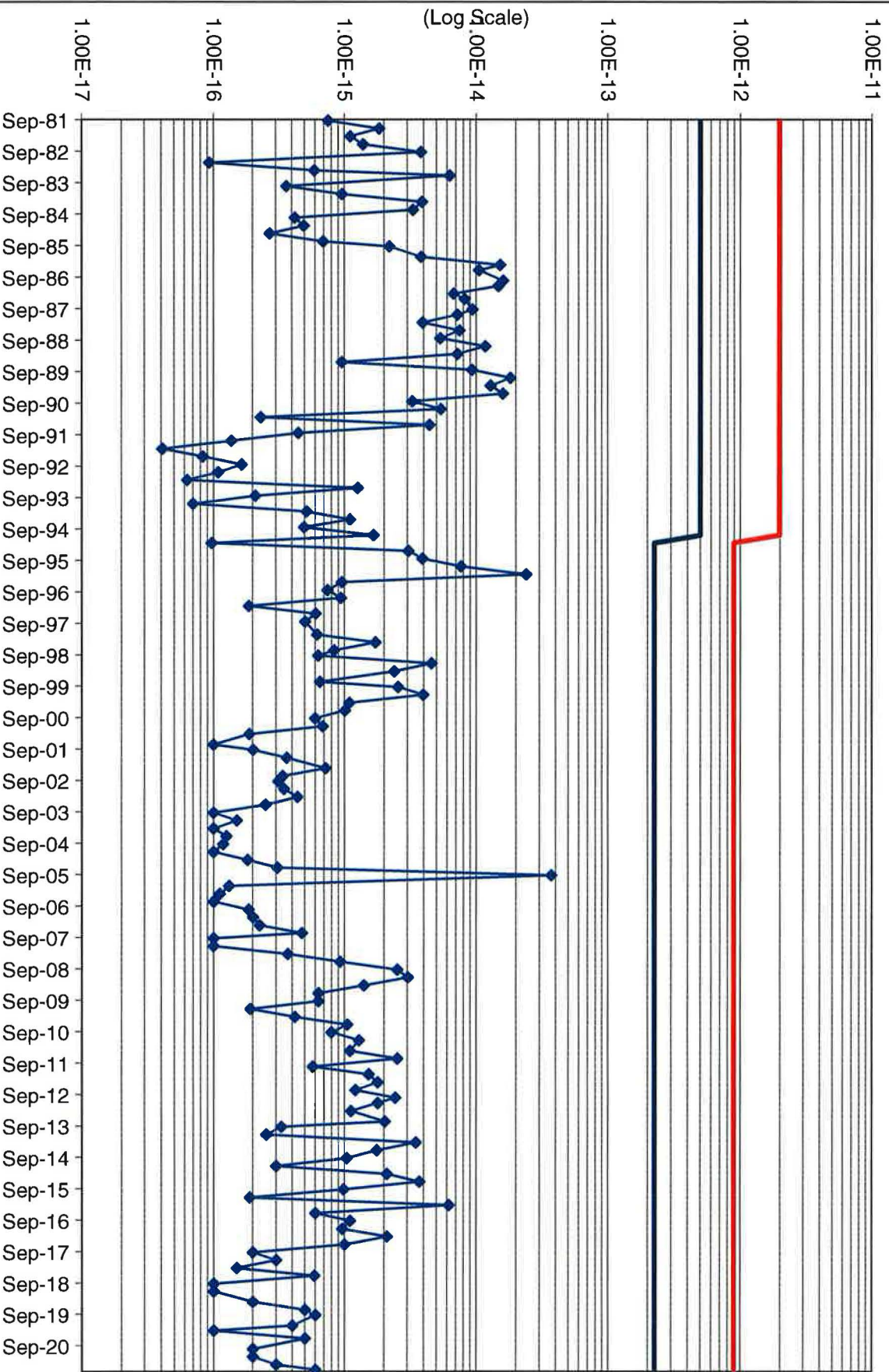
BHV-5 Thorium-230 Concentrations (uCi/ml)

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



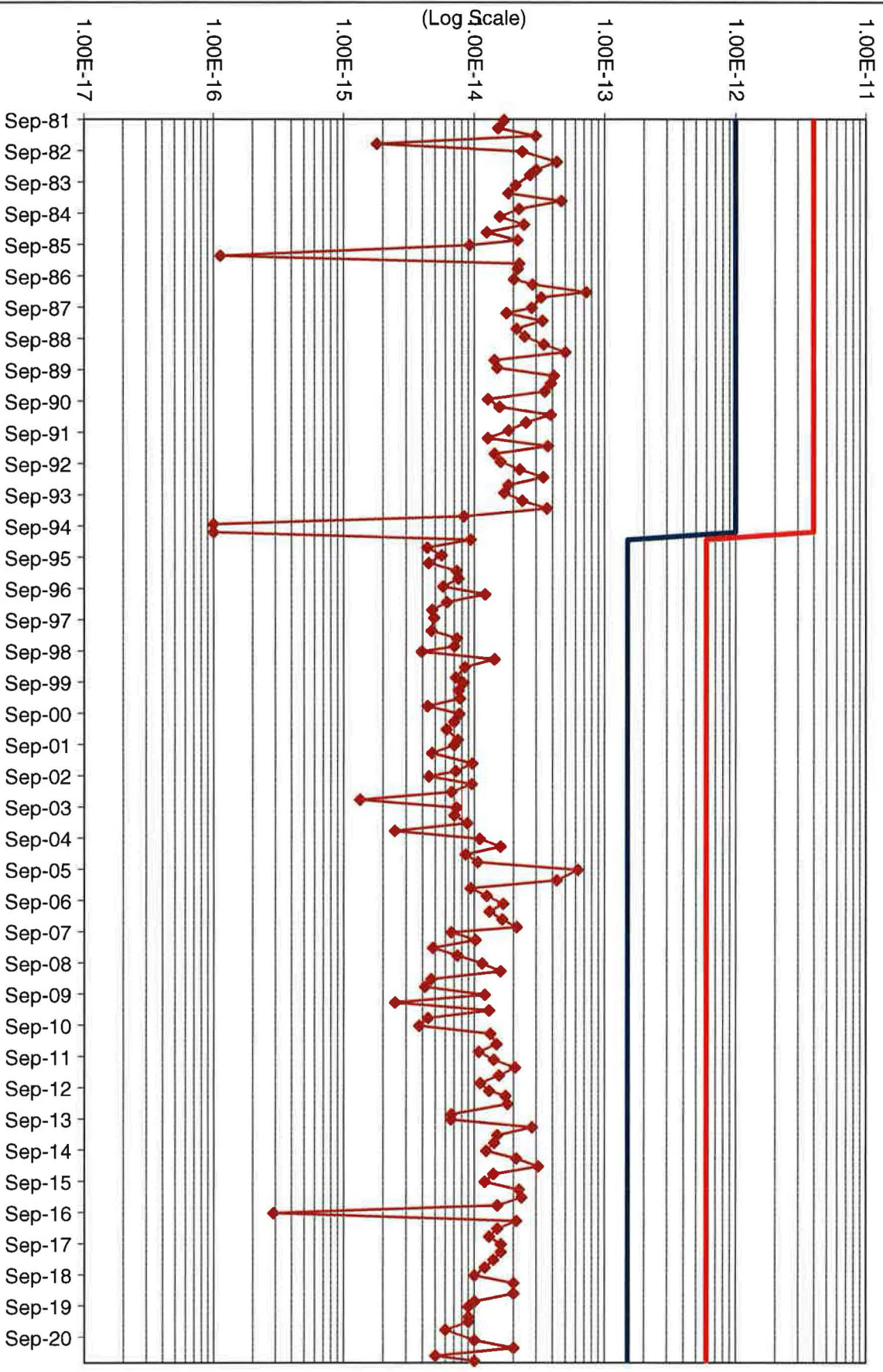
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

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



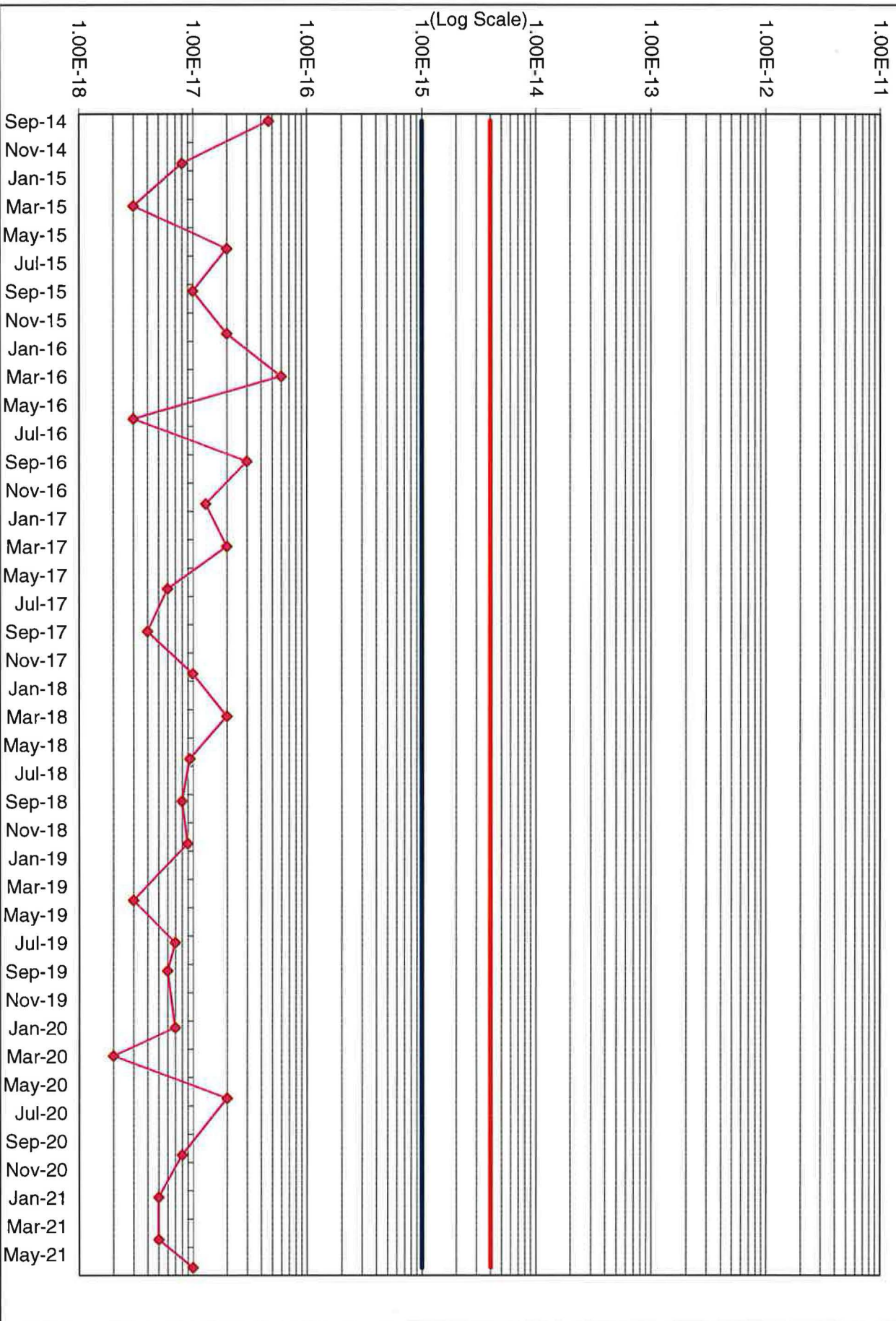
Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml

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



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

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

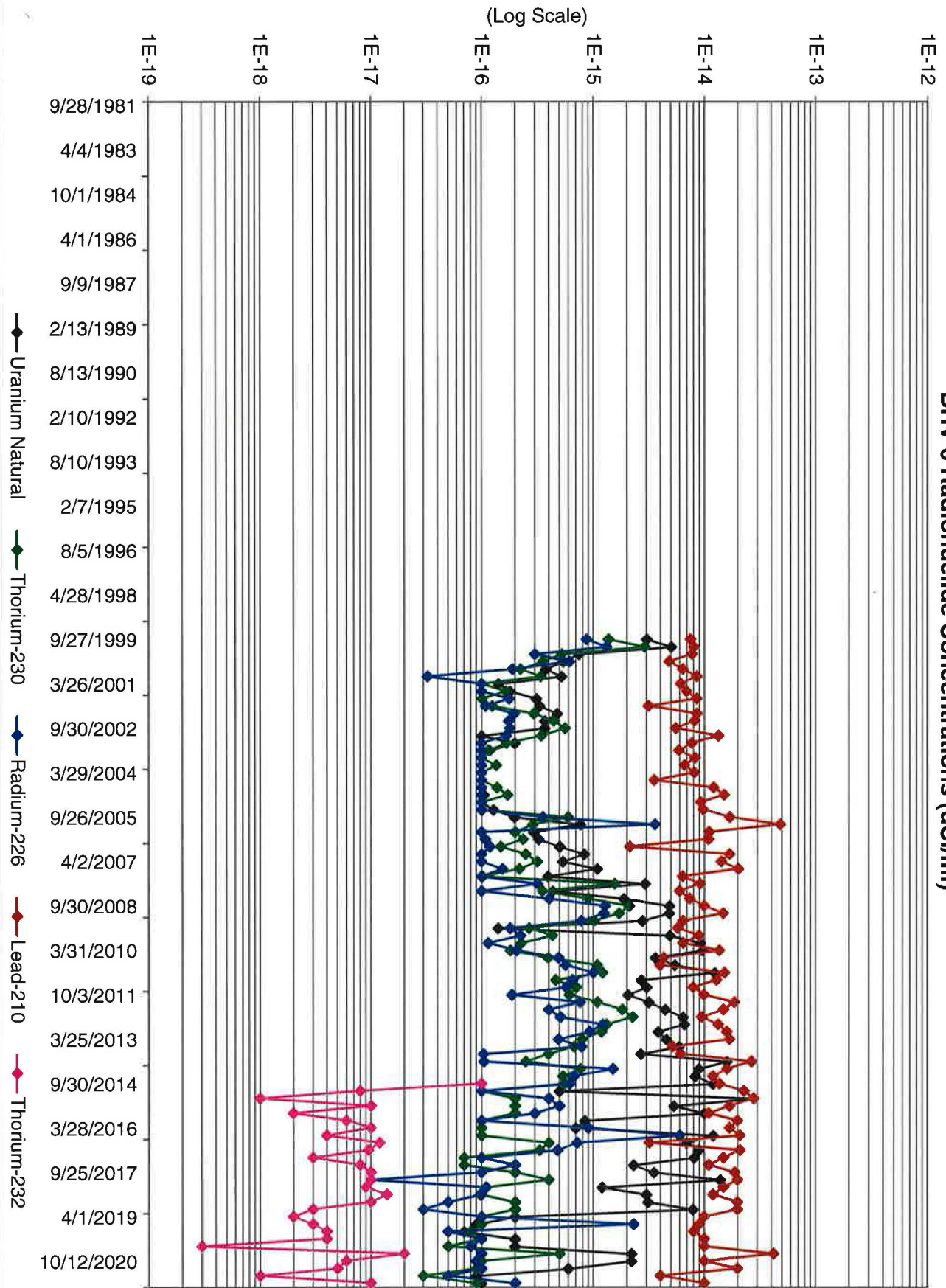


TAB 6

BHV-6 AIR SAMPLING GRAPHS AND DATA TABLE

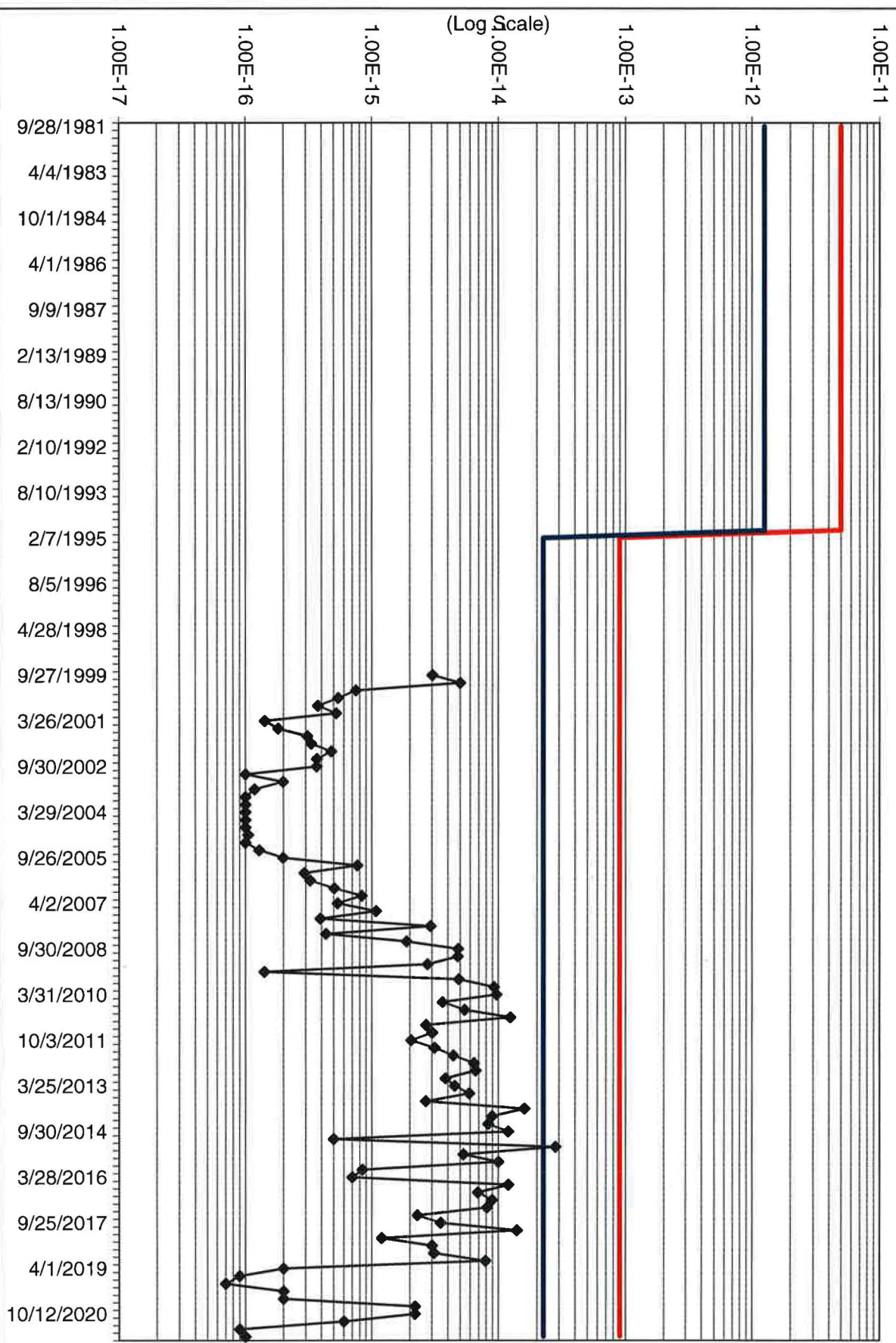
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-6U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-6T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-6R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-6PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-6T232
	ALARA Goal =	2.25E-14 uCi/ml		ALARA Goal =	5E-13 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

BHV-6 Radionuclide Concentrations (uCi/ml)



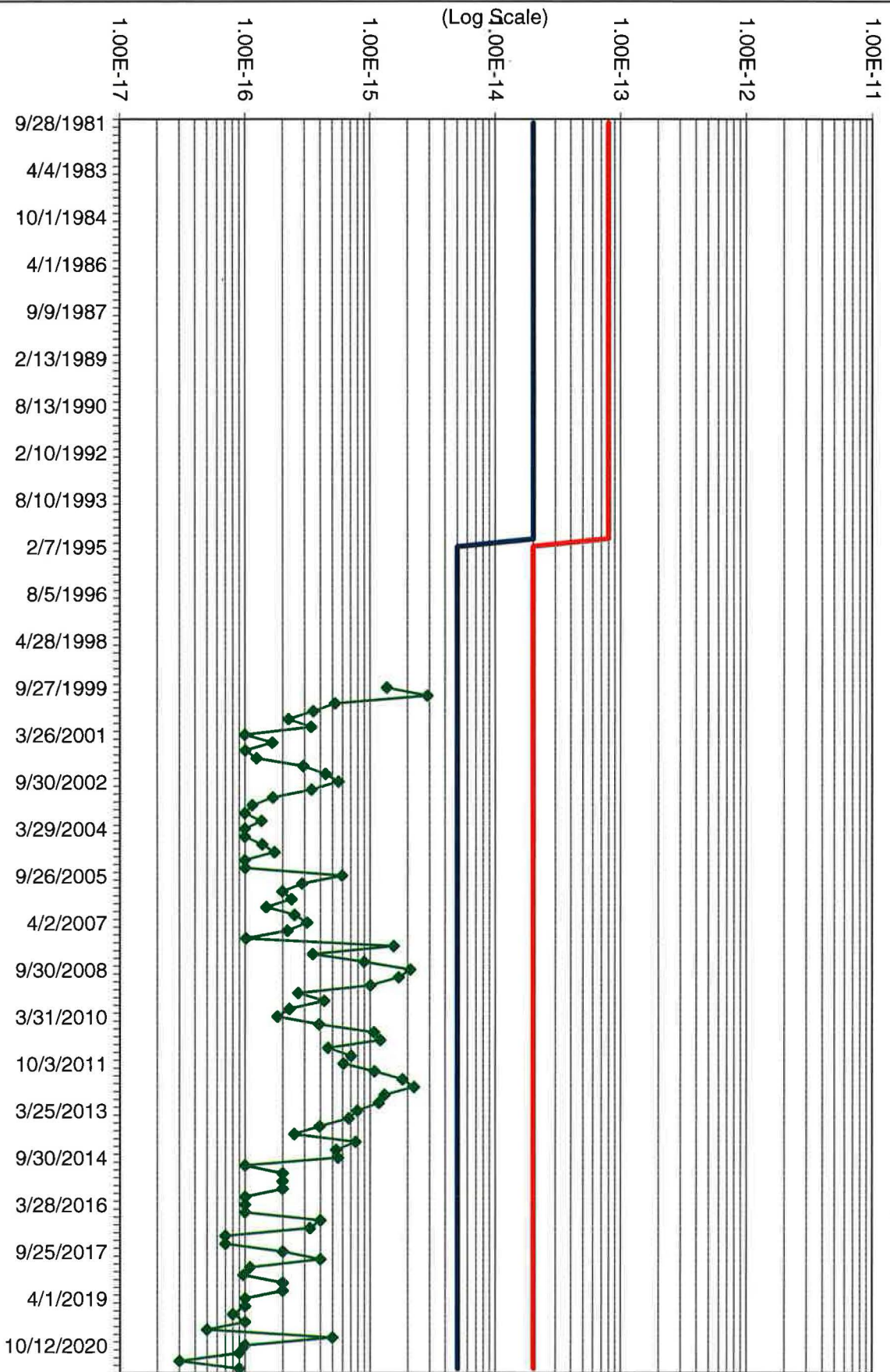
Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml

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



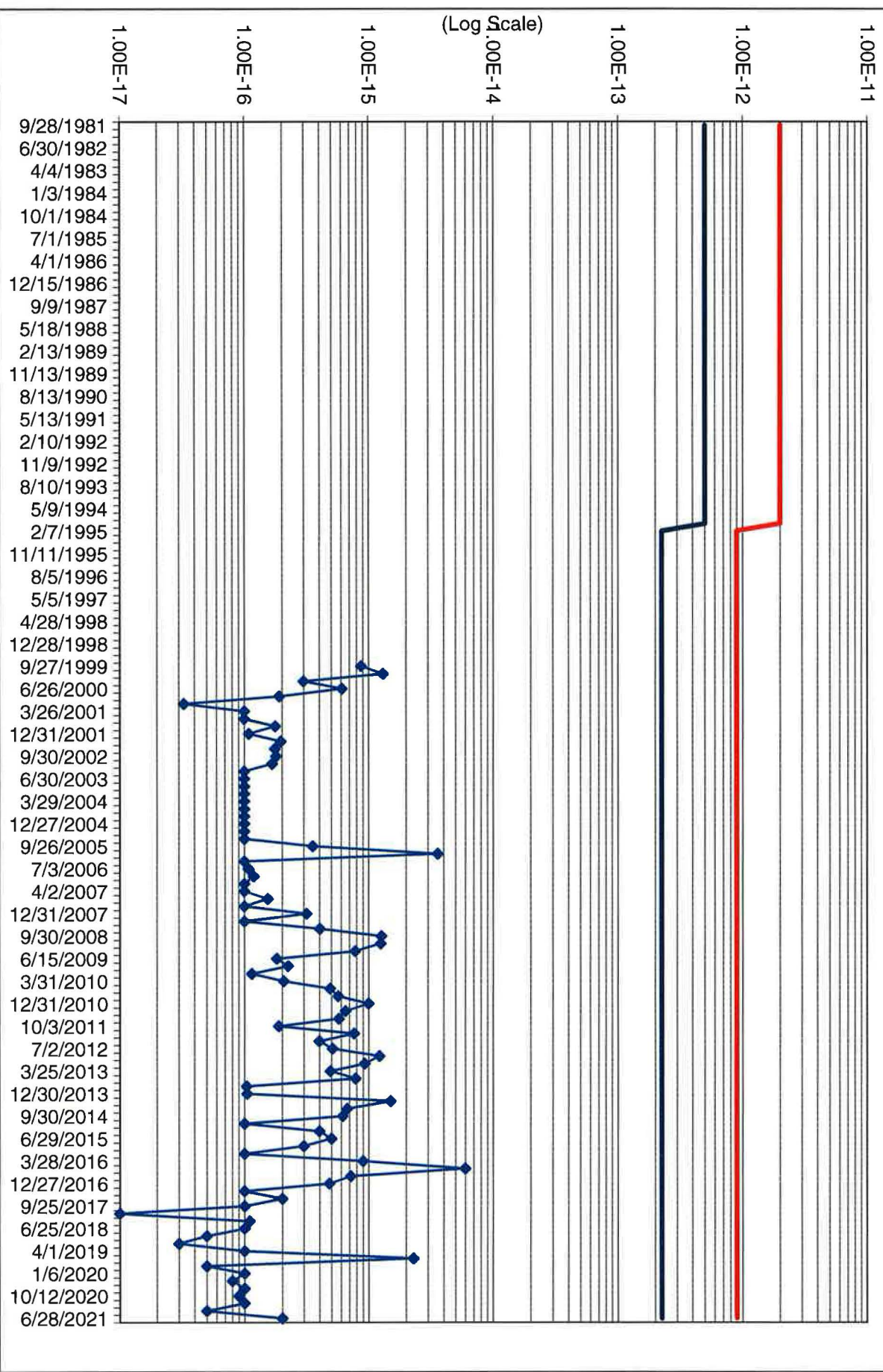
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

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



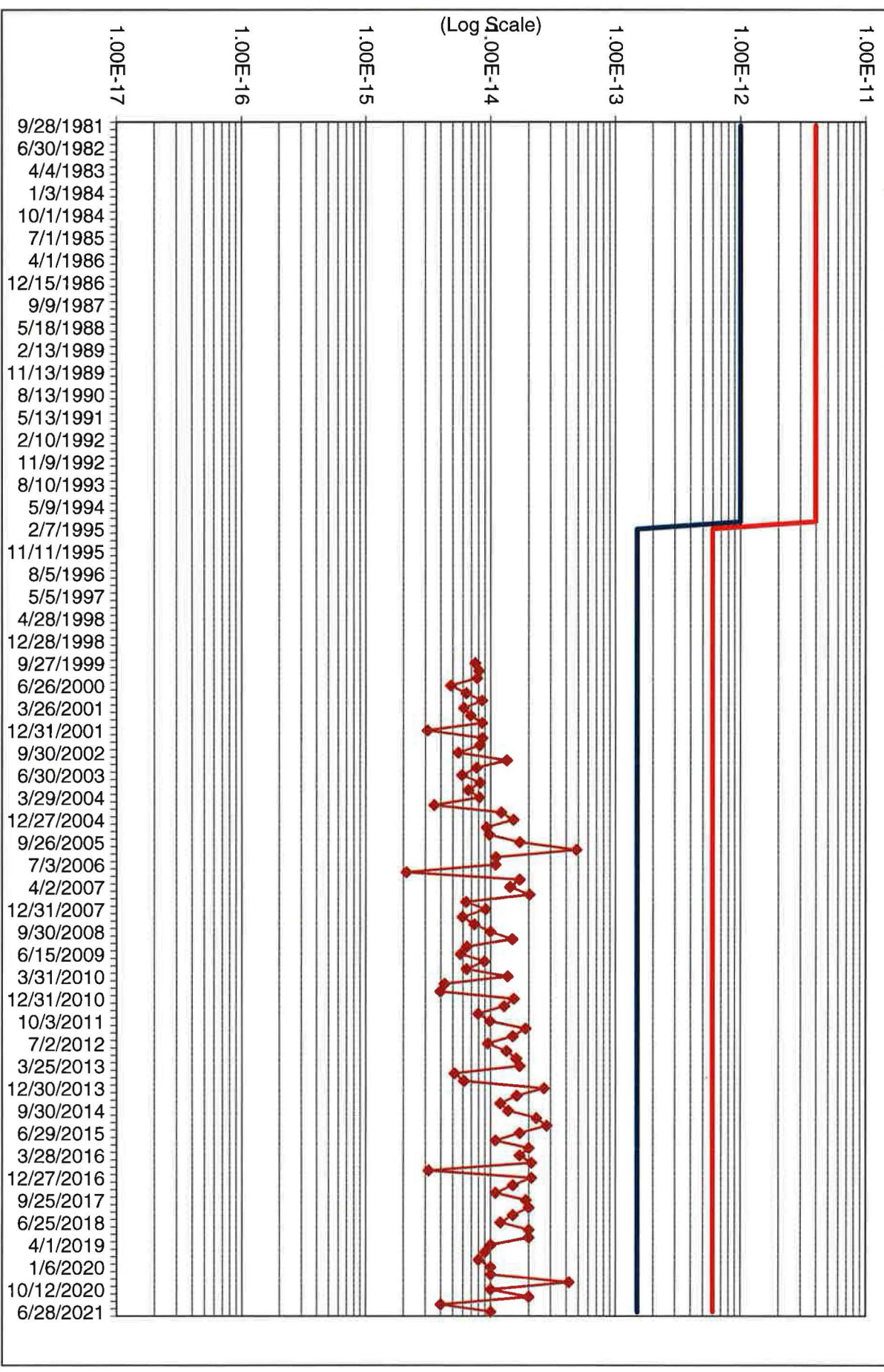
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

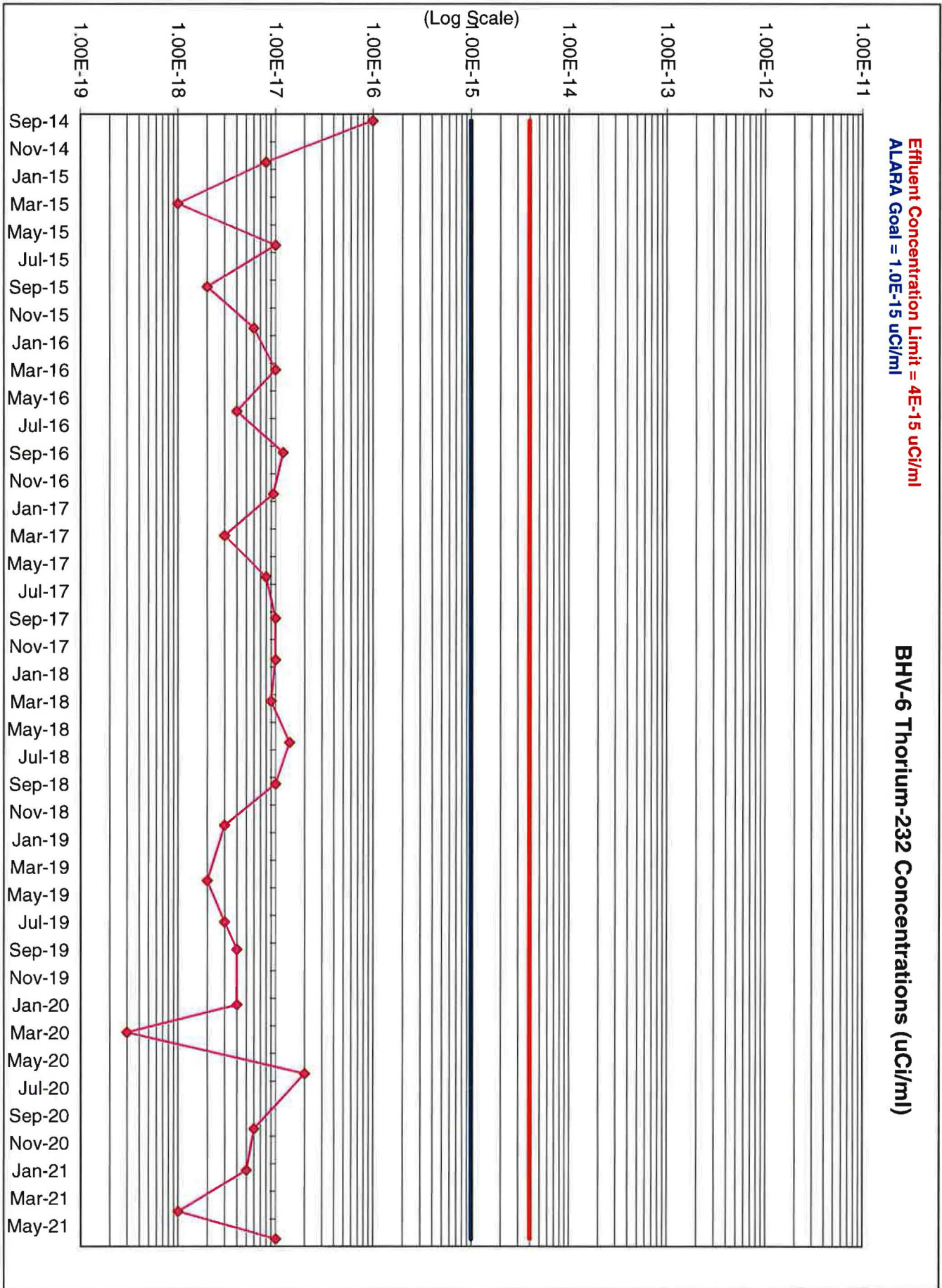
BHV-6 Radium-226 Concentrations (uCi/ml)



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-6 Lead-210 Concentrations (uCi/ml)



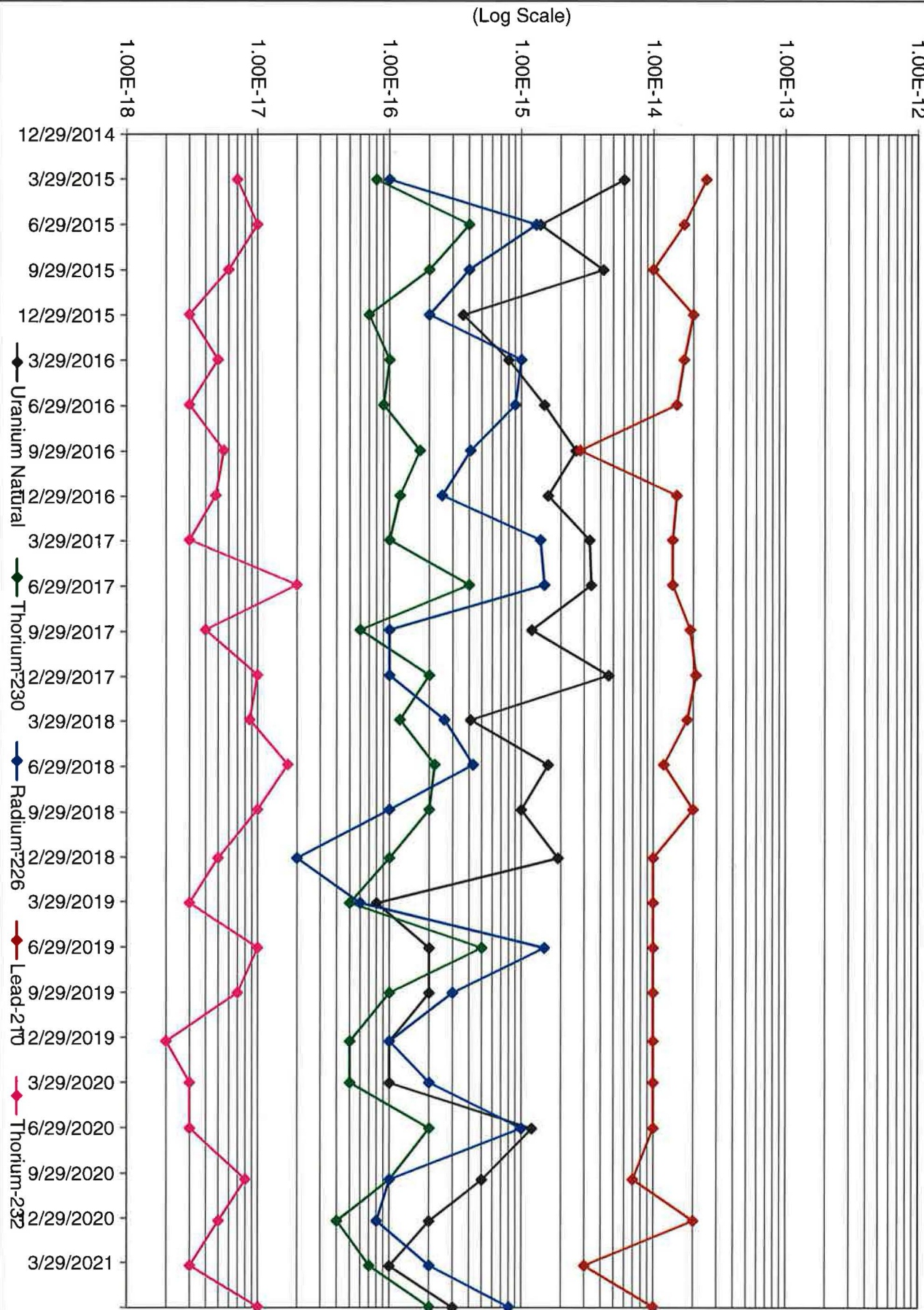


TAB 7

BHV-7 AIR SAMPLING GRAPHS AND DATA TABLE

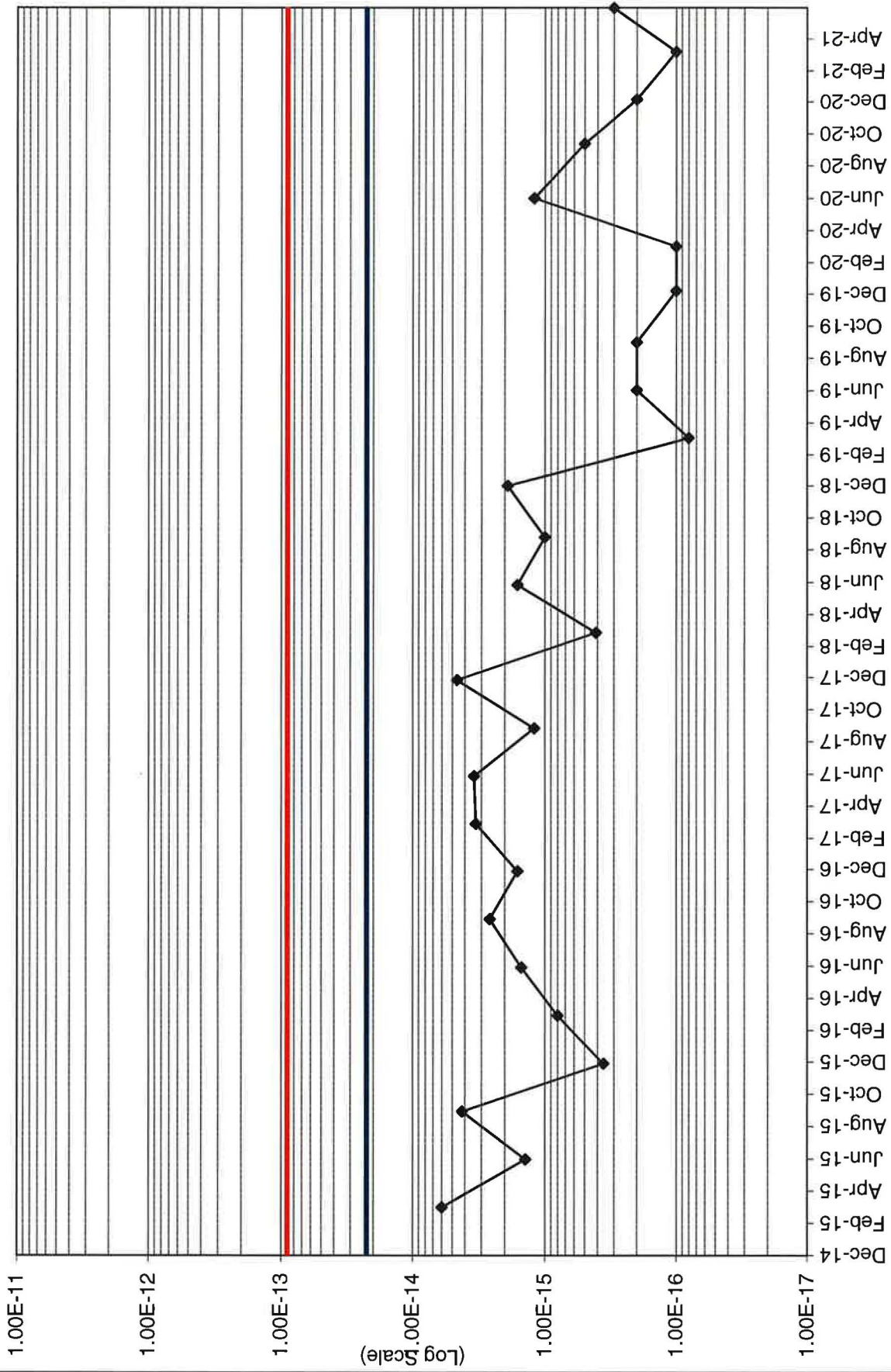
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-7U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-7T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-7R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-7PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-7T232
	ALARA Goal = Pre 1994 MPC Limit = 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-13 uCi/ml 8E-14 uCi/ml Conc		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	
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

BHV-7 Radionuclide Concentrations (uCi/ml)



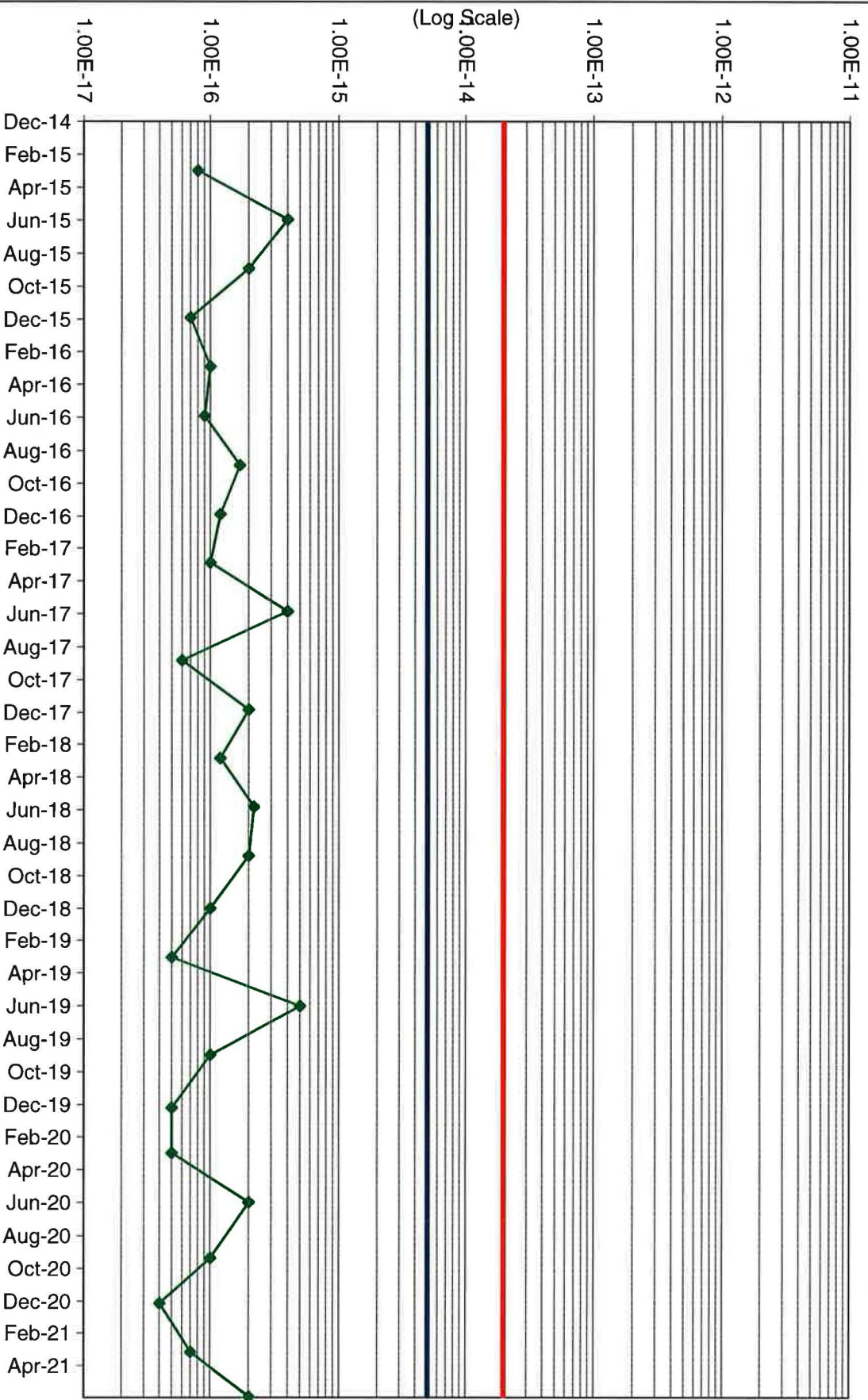
BHV-7 Uranium-Natural Concentrations (uCi/ml)

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



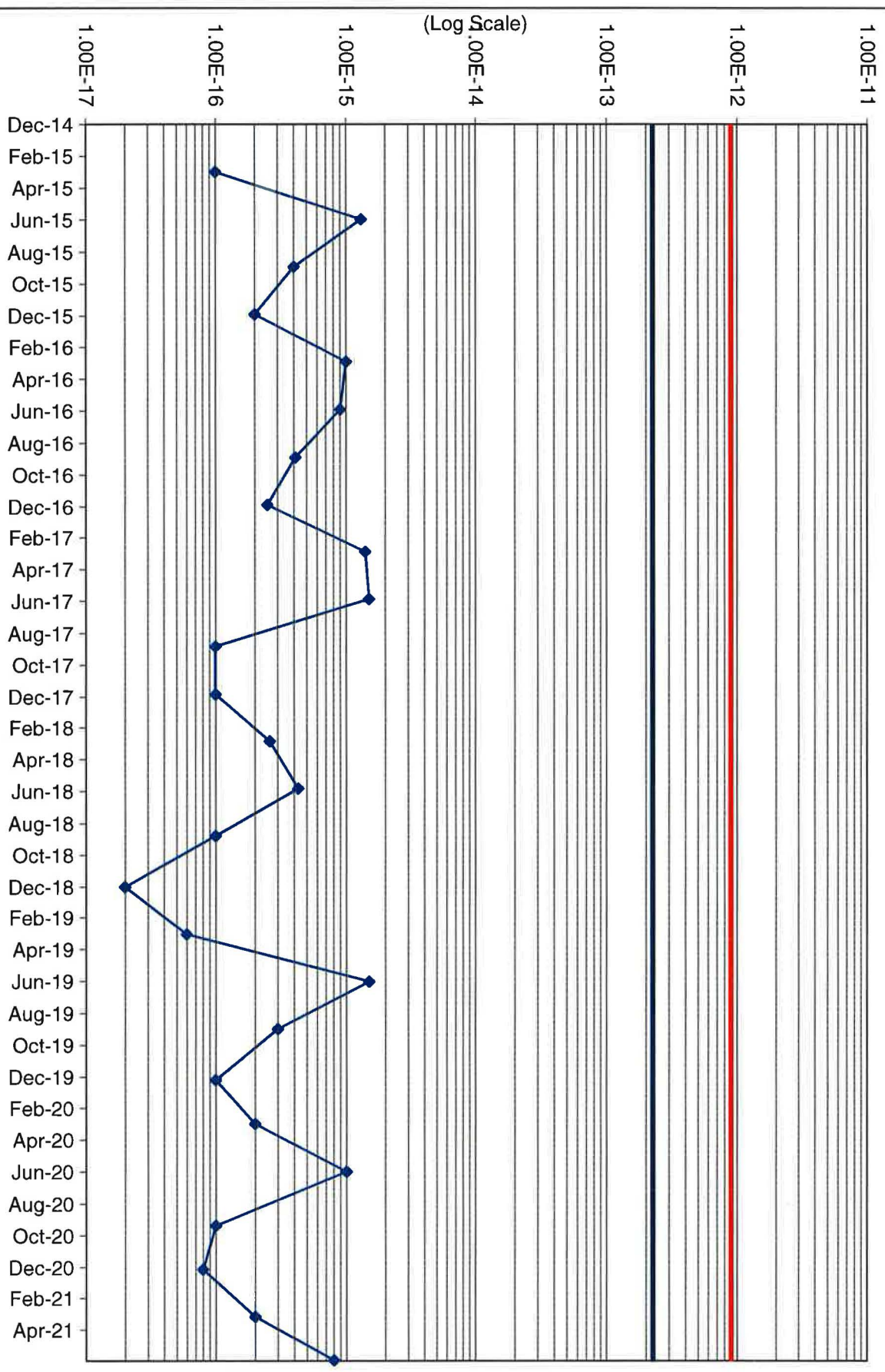
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

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



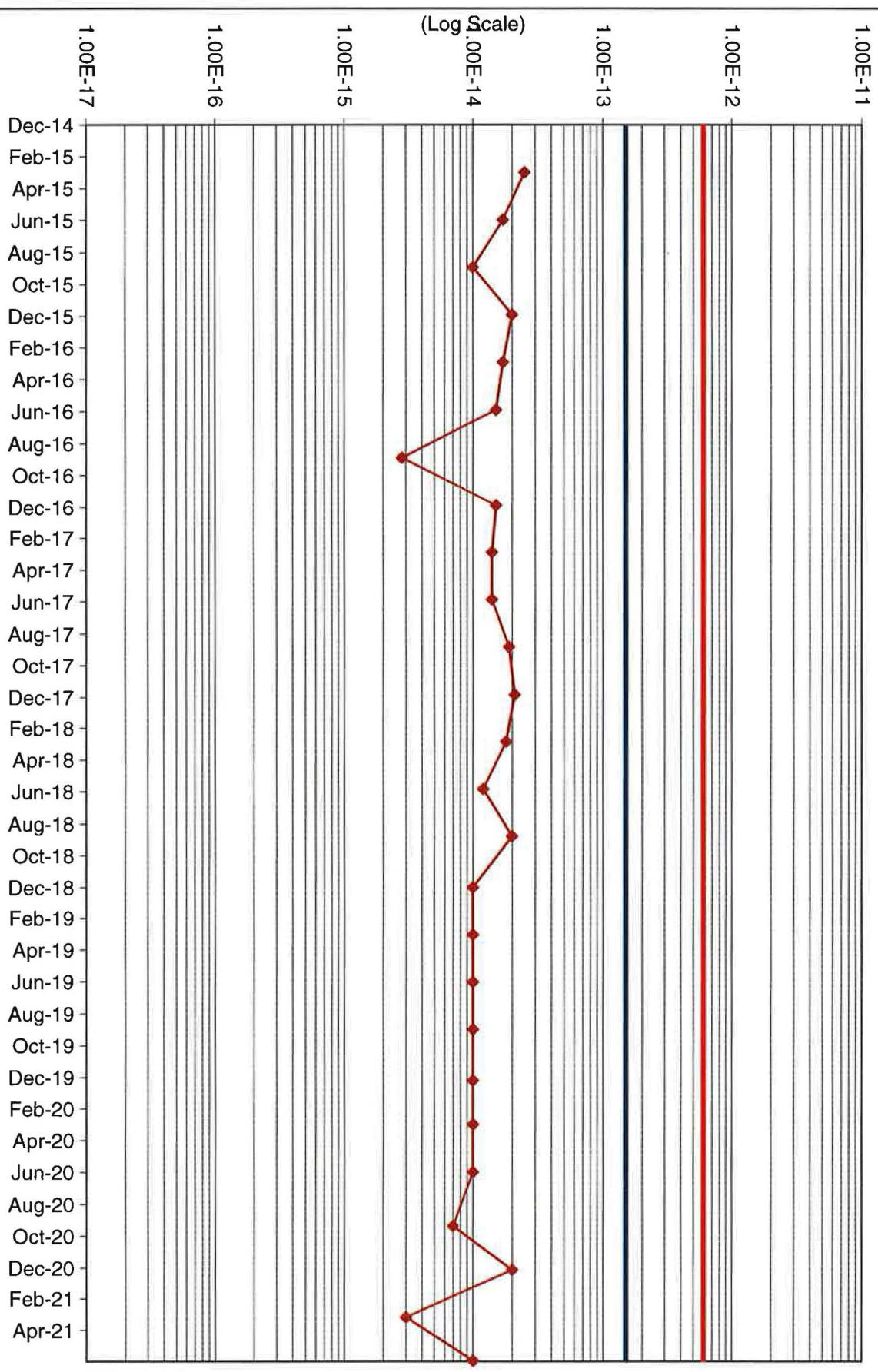
Effluent Concentration Limit = 9E-13 uCi/ml
ALARA Goal = 2.25E-13 uCi/ml
Pre 1994 MPC Limit = 2E-12 uCi/ml
Pre 1994 ALARA Goal = 5E-13 uCi/ml

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



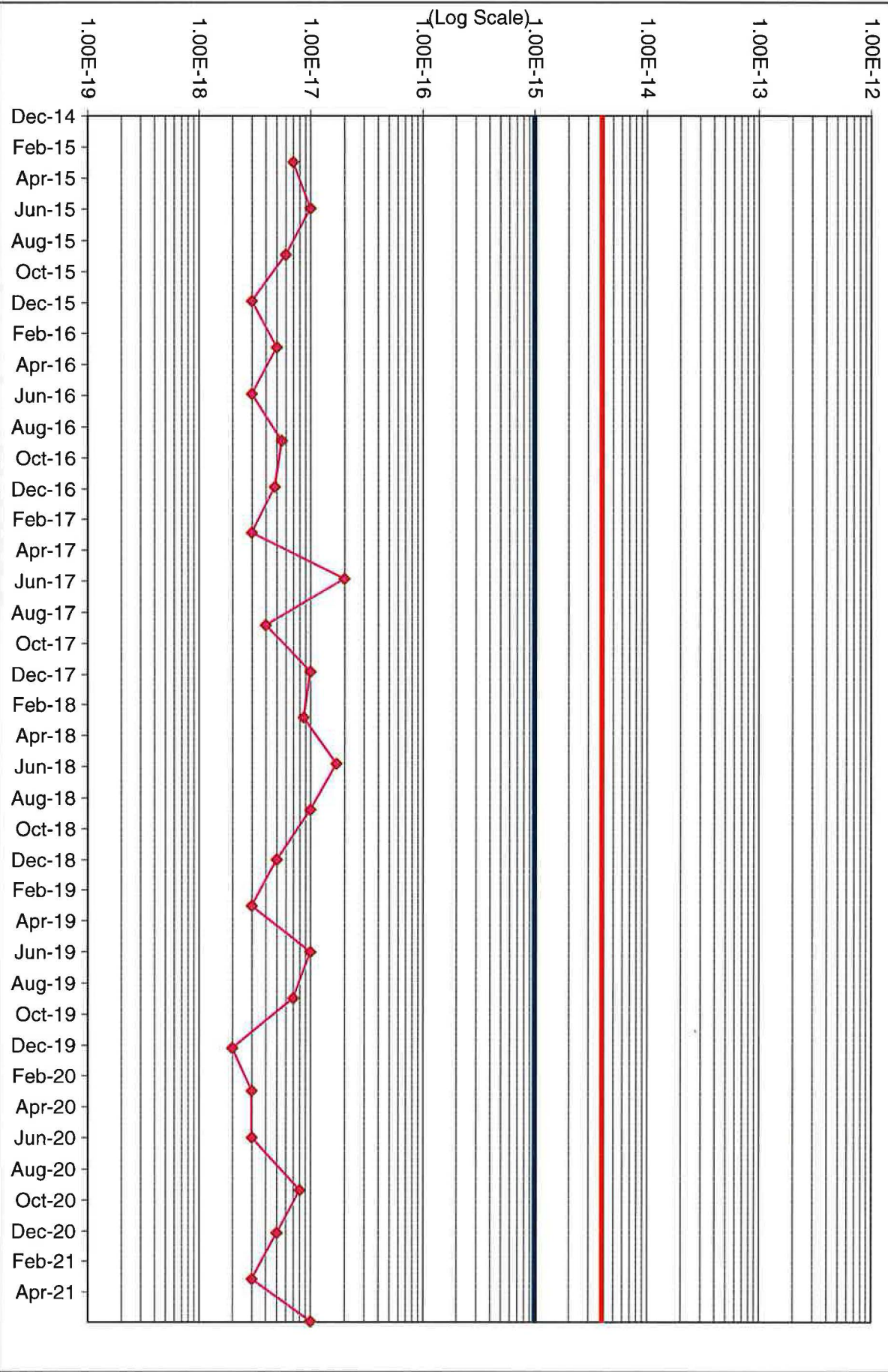
Effluent Concentration Limit = 6E-13 uCi/ml
ALARA Goal = 1.5E-13 uCi/ml
Pre 1994 MPC Limit = 4E-12uCi/ml
Pre 1994 ALARA Goal = 1E-12 uCi/ml

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)

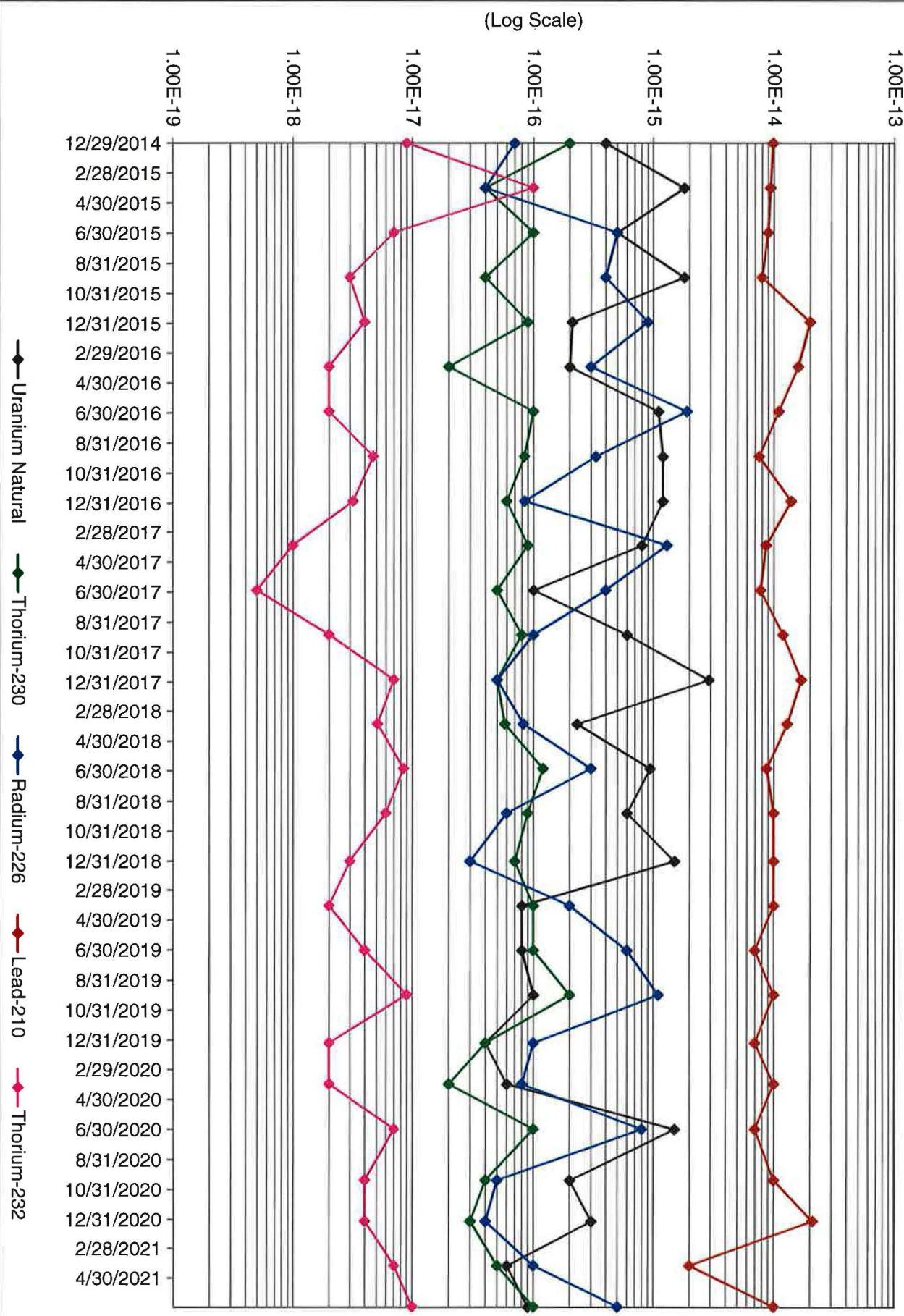


TAB 8

BHV-8 AIR SAMPLING GRAPHS AND DATA TABLE

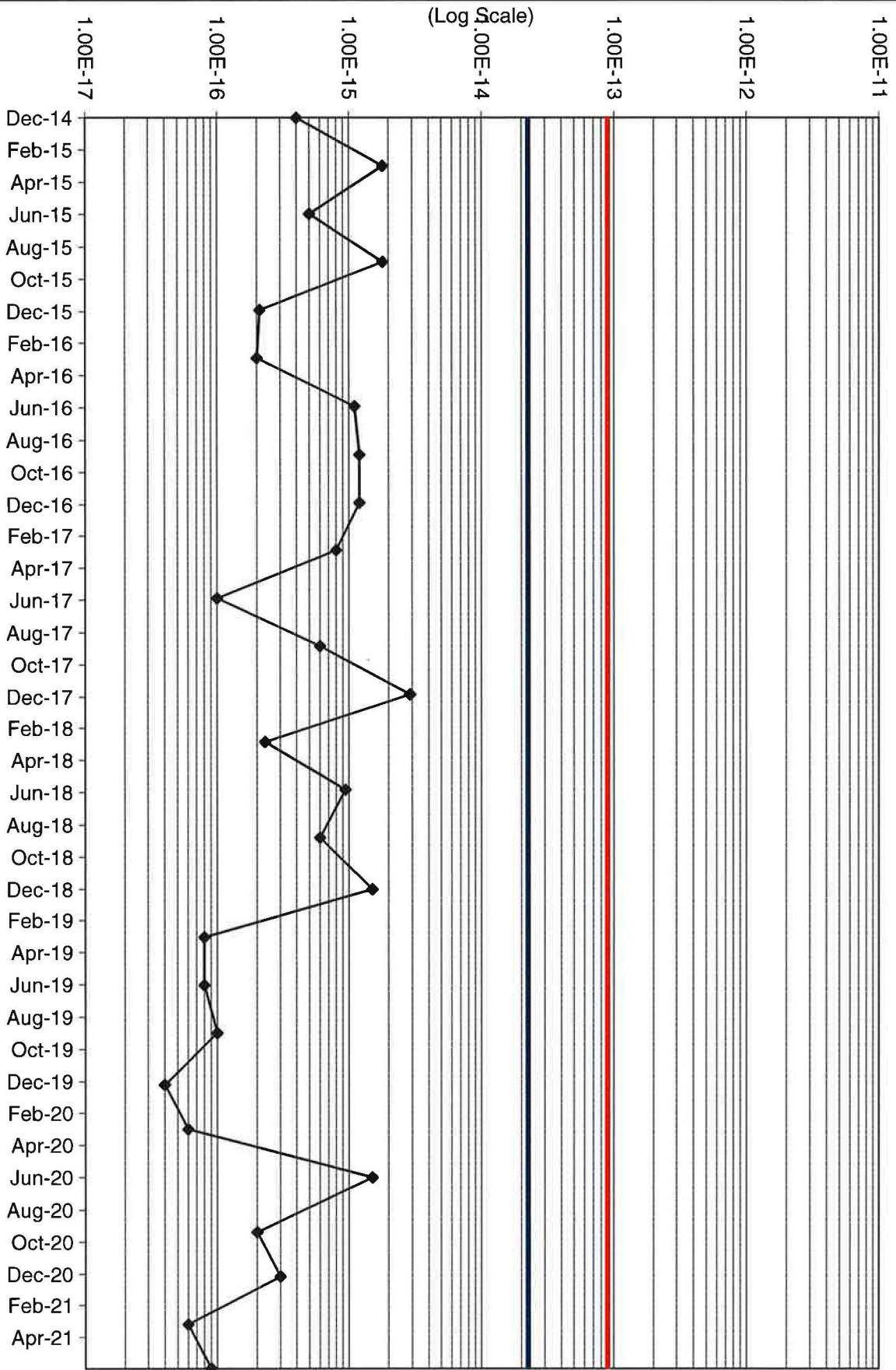
Date	Effluent Concentration Limit =	9E-14 uCi/ml	BHV-8U	Effluent Concentration Limit =	2E-14 uCi/ml	BHV-8T230	Effluent Concentration Limit =	9E-13 uCi/ml	BHV-8R	Effluent Concentration Limit =	6E-13 uCi/ml	BHV-8PB	Effluent Concentration Limit =	4E-15 uCi/ml	BHV-8T232
	ALARA Goal = Pre 1994 MPC Limit = 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-13 uCi/ml 8E-14 uCi/ml Conc		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	
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

BHV-8 Radionuclide Concentrations (uCi/ml)



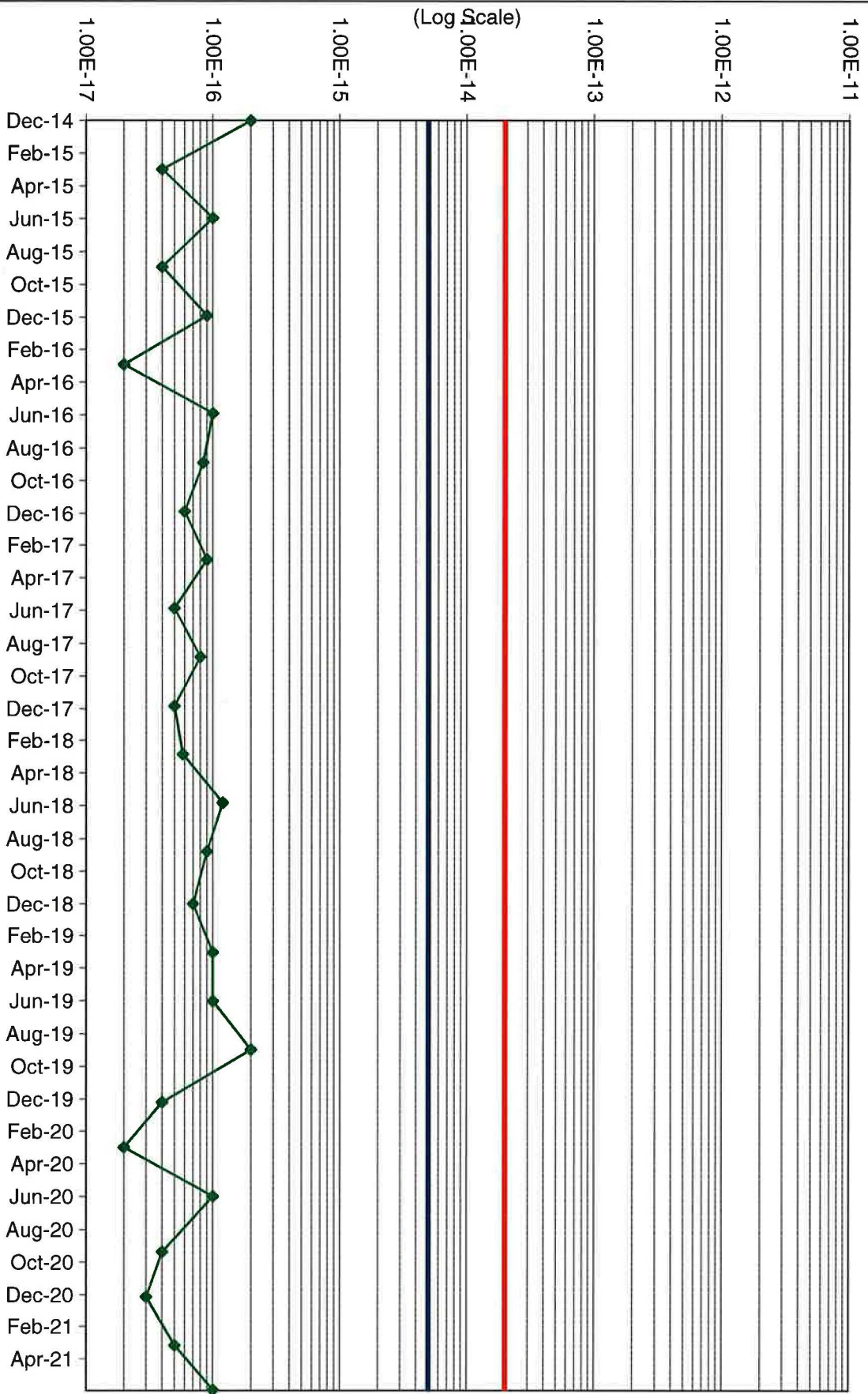
Effluent Concentration Limit = 9E-14 uCi/ml
ALARA Goal = 2.25E-14 uCi/ml
Pre 1994 MPC Limit = 5E-12uCi/ml
Pre 1994 ALARA Goal = 1.25E-12 uCi/ml

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



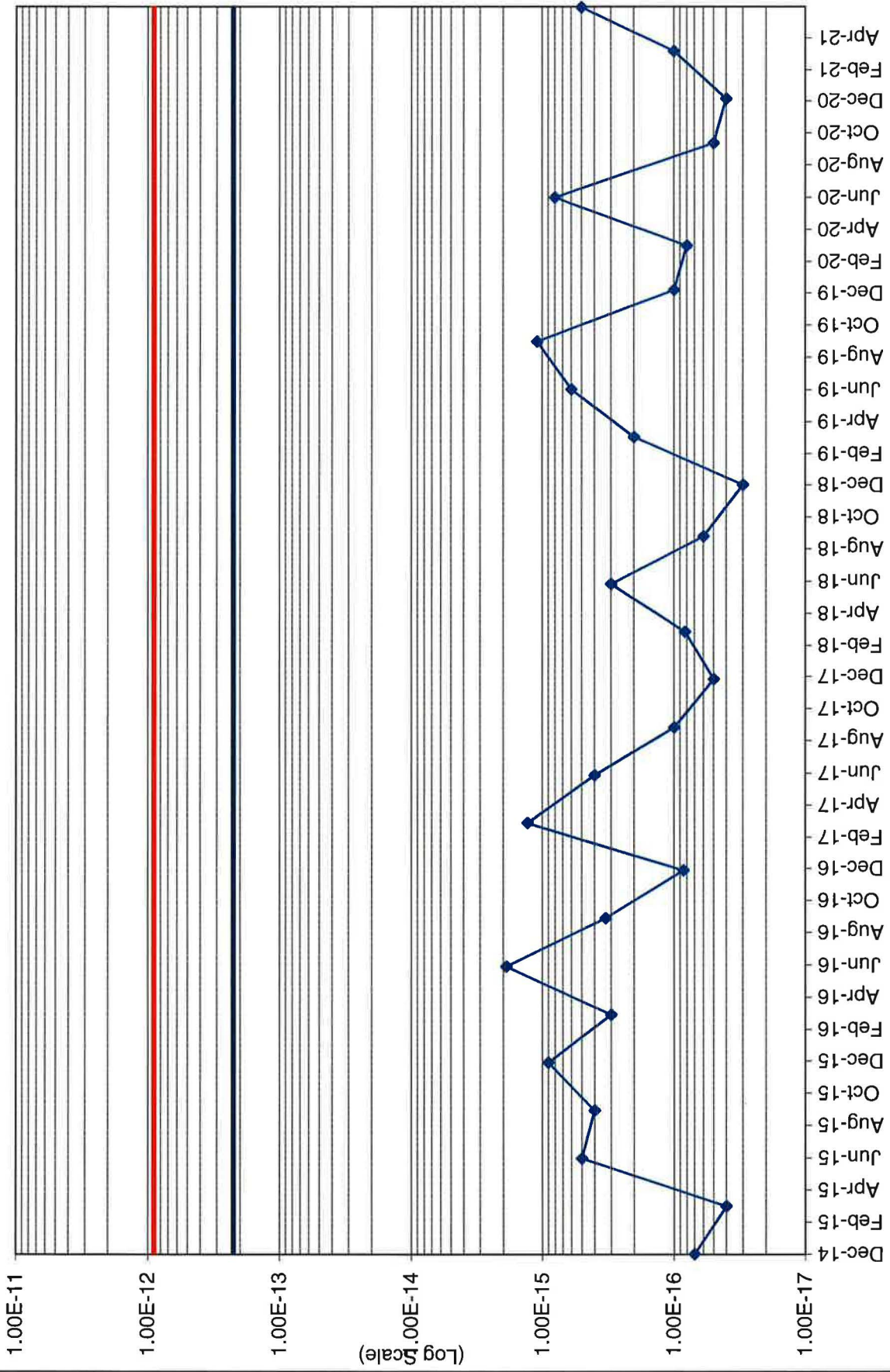
Effluent Concentration Limit = 2E-14 uCi/ml
ALARA Goal = 5E-15 uCi/ml
Pre 1994 MPC Limit = 8E-14 uCi/ml

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



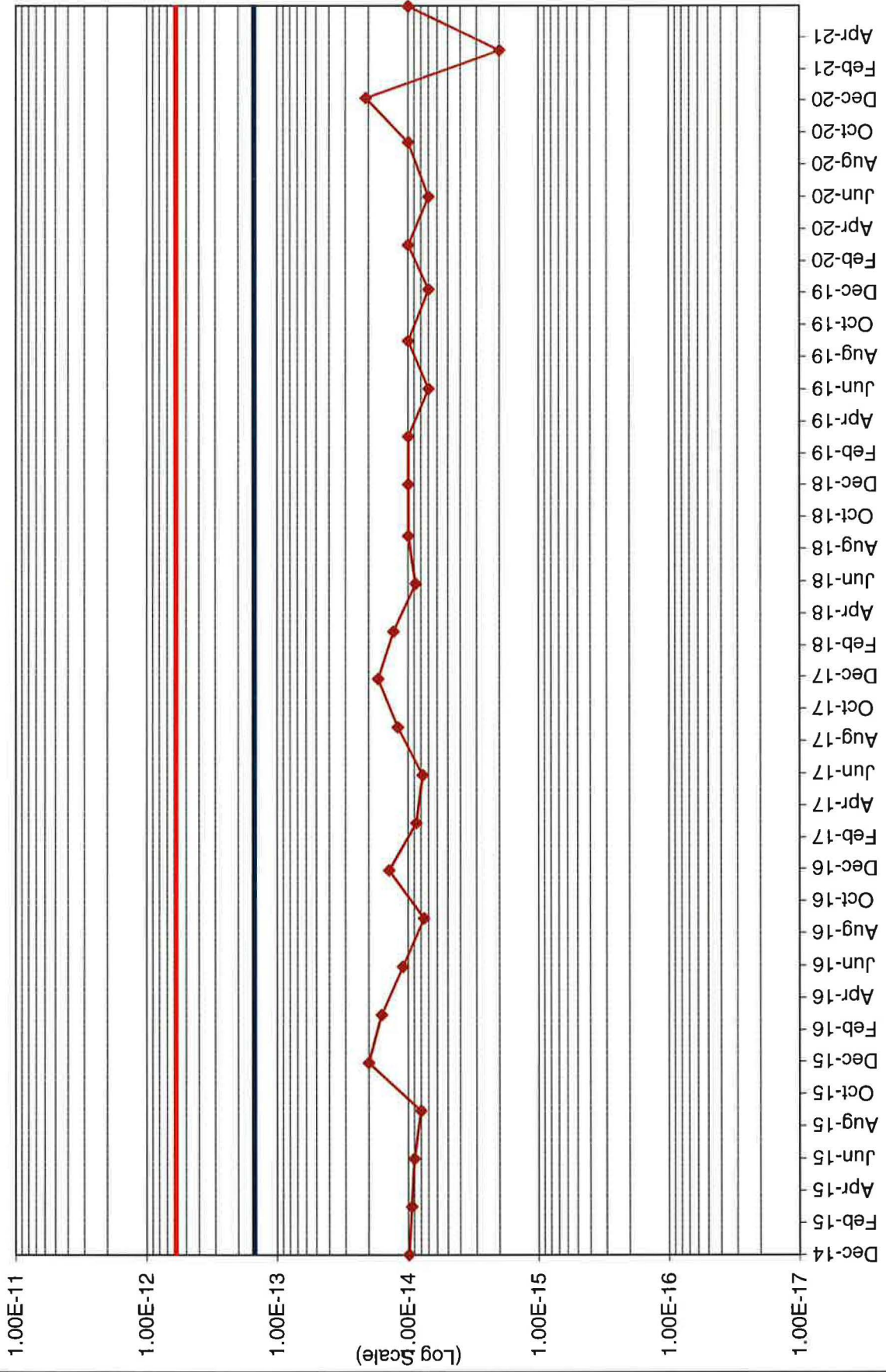
BHV-8 Radium-226 Concentrations (uCi/ml)

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



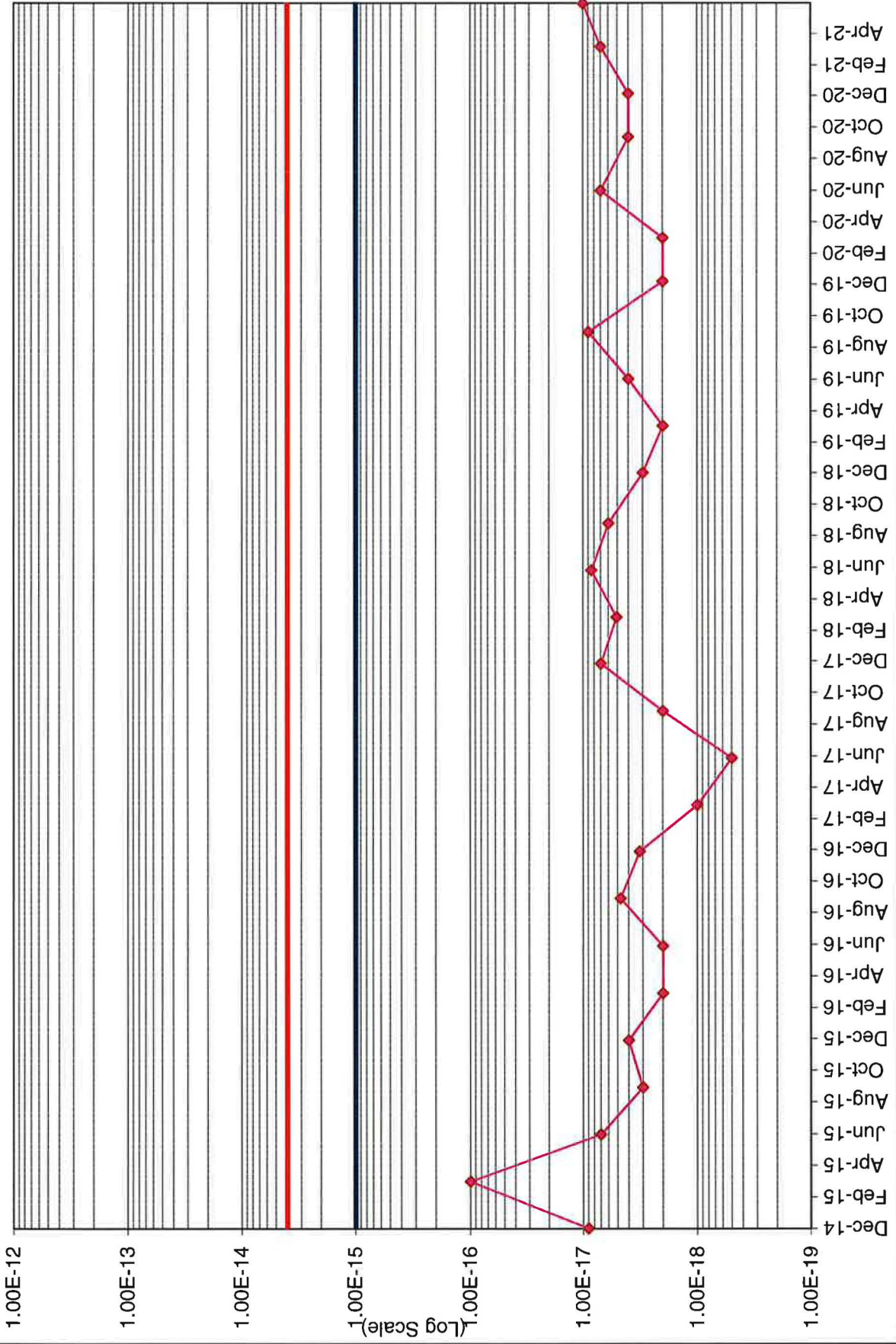
BHV-8 Lead-210 Concentrations (uCi/ml)

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-8 Thorium-232 Concentrations (uCi/ml)

Effluent Concentration Limit = 4E-15 uCi/ml
ALARA Goal = 1.0E-15 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 2021

SAMPLE ID: BHV-1

REPORT DATE: May 27, 2021

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
C21040630-001 Air Volume in mLs 1.24E+11	^{nat} U	5E-17	N/A	N/A	1E-16	9E-14	5E-02
	²³⁰ Th	3E-17	6E-18	3E-18	1E-16	3E-14	1E-01
	²²⁶ Ra	8E-17	2E-17	1E-17	1E-16	9E-13	9E-03
	²¹⁰ Pb	2E-15	6E-16	1E-16	2E-15	6E-13	3E-01
	²³² Th	4E-18	2E-18	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-001
Client Sample ID: BHV-1

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	123923100	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/27/21 15:07 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/27/21 15:07 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	2.0E-15	uCi/mL				E909.0	05/08/21 22:13 / plj
Lead 210 precision (±)	6.2E-16	uCi/mL				E909.0	05/08/21 22:13 / plj
Lead 210 MDC	1.3E-16	uCi/mL				E909.0	05/08/21 22:13 / plj
Radium 226	7.8E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	1.9E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	3.2E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	6.1E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	3.1E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	4.0E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.4E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.3E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	254	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	76.6	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	16.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	9.6	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	2.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	4.0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	0.76	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.38	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.50	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.30	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.41	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	5.9	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	3.4E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	9.0E-03	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	1.1E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-001
Client Sample ID: BHV-1

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	7.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	5.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-1

REPORT DATE: August 5, 2021

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
C21070507-001 Air Volume in mLs 1.13E+11	^{nat} U	7E-17	N/A	N/A	1E-16	9E-14	7E-02
	²³⁰ Th	7E-17	1E-17	3E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	2E-16	5E-17	1E-17	1E-16	9E-13	3E-02
	²¹⁰ Pb	1E-14	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-001
Client Sample ID: BHV-1

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	112579900	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	07/23/21 17:12 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/23/21 17:12 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	9.8E-15	uCi/mL				E909.0	08/02/21 09:50 / hat
Lead 210 precision (±)	2.9E-15	uCi/mL				E909.0	08/02/21 09:50 / hat
Lead 210 MDC	2.9E-16	uCi/mL				E909.0	08/02/21 09:50 / hat
Radium 226	2.4E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	4.8E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.3E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	7.0E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	1.3E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.7E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	1.1E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.2E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	2.3E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1100	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	330	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	32.5	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	27.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	5.5	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.4	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	7.9	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	1.5	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.30	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.3	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.24	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.26	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	7.4	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.6E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	3.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	2.3E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-001
Client Sample ID: BHV-1

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	1.9E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	7.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-2

REPORT DATE: May 27, 2021

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
C21040630-002 Air Volume in mLs 1.24E+11	^{nat} U	2E-17	N/A	N/A	1E-16	9E-14	2E-02
	²³⁰ Th	2E-17	3E-18	4E-18	1E-16	3E-14	5E-02
	²²⁶ Ra	7E-17	2E-17	1E-17	1E-16	9E-13	8E-03
	²¹⁰ Pb	2E-15	7E-16	1E-16	2E-15	6E-13	4E-01
	²³² Th	4E-18	2E-18	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-002
Client Sample ID: BHV-2

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	123591900	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/27/21 15:44 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/27/21 15:44 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	2.4E-15	uCi/mL				E909.0	05/08/21 23:33 / plj
Lead 210 precision (±)	7.2E-16	uCi/mL				E909.0	05/08/21 23:33 / plj
Lead 210 MDC	1.4E-16	uCi/mL				E909.0	05/08/21 23:33 / plj
Radium 226	6.8E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	1.7E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	1.6E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	3.1E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	4.3E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	3.7E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.3E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.2E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	296	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	89.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	17.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	8.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	2.2	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	2.0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	0.39	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.53	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.45	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.29	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.40	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	2.7	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	4.0E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	8.0E-03	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	5.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-002
Client Sample ID: BHV-2

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	6.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	2.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-2

REPORT DATE: August 5, 2021

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
C21070507-002 Air Volume in mLs 1.13E+11	^{nat} U	3E-17	N/A	N/A	1E-16	9E-14	3E-02
	²³⁰ Th	3E-17	6E-18	3E-18	1E-16	3E-14	1E-01
	²²⁶ Ra	1E-16	2E-17	1E-17	1E-16	9E-13	1E-02
	²¹⁰ Pb	1E-14	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-002
Client Sample ID: BHV-2

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	113143900	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	07/23/21 17:32 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/23/21 17:32 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.1E-14	uCi/mL				E909.0	08/02/21 10:04 / hat
Lead 210 precision (±)	3.3E-15	uCi/mL				E909.0	08/02/21 10:04 / hat
Lead 210 MDC	3.1E-16	uCi/mL				E909.0	08/02/21 10:04 / hat
Radium 226	1.0E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	2.2E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.1E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	3.2E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	6.1E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.8E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	9.8E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	1.9E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	2.1E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1240	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	371	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	34.8	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	11.4	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	2.5	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	3.6	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	0.69	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.31	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.1	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.21	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.24	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	3.2	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.8E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	1.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	1.1E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-002
Client Sample ID: BHV-2

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	1.6E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	3.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-4

REPORT DATE: May 27, 2021

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
C21040630-003 Air Volume in mLs 1.23E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	2E-01
	²³⁰ Th	1E-16	2E-17	4E-18	1E-16	3E-14	3E-01
	²²⁶ Ra	5E-16	9E-17	1E-17	1E-16	9E-13	5E-02
	²¹⁰ Pb	4E-15	1E-15	2E-16	2E-15	6E-13	6E-01
	²³² Th	4E-18	2E-18	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-003
Client Sample ID: BHV-4

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	123274400	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	2.2E-10	mg/L		1.5E-10		SW6020	04/27/21 15:49 / jcg
Uranium, Activity	1.5E-16	uCi/mL		1.0E-16		SW6020	04/27/21 15:49 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	3.9E-15	uCi/mL				E909.0	05/09/21 00:11 / plj
Lead 210 precision (±)	1.2E-15	uCi/mL				E909.0	05/09/21 00:11 / plj
Lead 210 MDC	1.7E-16	uCi/mL				E909.0	05/09/21 00:11 / plj
Radium 226	4.7E-16	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	9.1E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	1.0E-16	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	2.0E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	3.8E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	3.8E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.4E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.4E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	477	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	143	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	20.9	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	57.7	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	11.2	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	12.8	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	2.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.47	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.47	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.30	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.42	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	18.4	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	6.4E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	5.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	3.5E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-003
Client Sample ID: BHV-4

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	6.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	1.7E-01	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-4

REPORT DATE: August 5, 2021

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
C21070507-003 Air Volume in mLs 1.11E+11	^{nat} U	5E-17	N/A	N/A	1E-16	9E-14	5E-02
	²³⁰ Th	7E-17	1E-17	2E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	2E-16	4E-17	1E-17	1E-16	9E-13	2E-02
	²¹⁰ Pb	1E-14	4E-15	3E-16	2E-15	6E-13	2E+00
	²³² Th	8E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-003
Client Sample ID: BHV-4

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

CLIENT PROVIDED FIELD PARAMETERS

Air Filtering Volume	111170300	L				FIELD	04/05/21 00:00 / ***
----------------------	-----------	---	--	--	--	-------	----------------------

*** Performed by Sampler

METALS, IN AIR

Uranium	ND	mg/L		1.5E-10		SW6020	07/23/21 17:37 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/23/21 17:37 / jcg

RADIONUCLIDES - IN AIR

Lead 210	1.2E-14	uCi/mL				E909.0	08/02/21 10:16 / hat
Lead 210 precision (±)	3.6E-15	uCi/mL				E909.0	08/02/21 10:16 / hat
Lead 210 MDC	3.3E-16	uCi/mL				E909.0	08/02/21 10:16 / hat
Radium 226	2.2E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	4.3E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.1E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	6.7E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	1.3E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.4E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	7.7E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.2E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	1.7E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat

RADIONUCLIDES - IN AIR - PER FILTER

Lead 210	1330	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	397	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	36.2	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	24.1	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	4.8	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	7.5	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	1.4	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.27	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	0.86	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.24	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.18	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	5.3	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf

RADIOCHEMISTRY AIR FILTER COMPLIANCE

Lead 210, % of EFF	2.0E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	2.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	2.2E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-003
Client Sample ID: BHV-4

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	1.3E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	5.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-5

REPORT DATE: May 27, 2021

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
C21040630-004 Air Volume in mLs 1.24E+11	^{nat} U	2E-16	N/A	N/A	1E-16	9E-14	2E-01
	²³⁰ Th	1E-16	2E-17	4E-18	1E-16	3E-14	4E-01
	²²⁶ Ra	3E-16	5E-17	1E-17	1E-16	9E-13	3E-02
	²¹⁰ Pb	5E-15	1E-15	2E-16	2E-15	6E-13	8E-01
	²³² Th	5E-18	2E-18	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-004
Client Sample ID: BHV-5

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	124130200	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	2.7E-10	mg/L		1.5E-10		SW6020	04/27/21 15:54 / jcg
Uranium, Activity	1.8E-16	uCi/mL		1.0E-16		SW6020	04/27/21 15:54 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	4.8E-15	uCi/mL				E909.0	05/09/21 00:36 / plj
Lead 210 precision (±)	1.4E-15	uCi/mL				E909.0	05/09/21 00:36 / plj
Lead 210 MDC	1.9E-16	uCi/mL				E909.0	05/09/21 00:36 / plj
Radium 226	2.6E-16	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	5.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.3E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	1.1E-16	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	2.1E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	3.7E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	5.4E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.4E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	2.5E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	596	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	179	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	23.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	32.0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	6.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.6	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	13.8	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	2.6	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.46	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.66	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.30	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.31	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	22.8	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	8.0E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	3.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	3.7E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-004
Client Sample ID: BHV-5

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	9.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	2.0E-01	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-5

REPORT DATE: August 5, 2021

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
C21070507-004 Air Volume in mLs 1.12E+11	^{nat} U	2E-16	N/A	N/A	1E-16	9E-14	2E-01
	²³⁰ Th	2E-16	4E-17	2E-18	1E-16	3E-14	6E-01
	²²⁶ Ra	6E-16	1E-16	1E-17	1E-16	9E-13	7E-02
	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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-004
Client Sample ID: BHV-5

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	111949000	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	2.8E-10	mg/L		1.5E-10		SW6020	07/23/21 17:42 / jcg
Uranium, Activity	1.9E-16	uCi/mL		1.0E-16		SW6020	07/23/21 17:42 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.2E-14	uCi/mL				E909.0	08/02/21 10:28 / hat
Lead 210 precision (±)	3.6E-15	uCi/mL				E909.0	08/02/21 10:28 / hat
Lead 210 MDC	3.3E-16	uCi/mL				E909.0	08/02/21 10:28 / hat
Radium 226	6.2E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	1.2E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.1E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	1.9E-16	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	3.6E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.2E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	1.3E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.5E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	1.8E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1340	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	401	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	36.4	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	69.4	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	13.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	21.5	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	4.1	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.25	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.4	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.28	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.20	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	21.5	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.0E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	7.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	6.4E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-004
Client Sample ID: BHV-5

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	2.2E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	2.1E-01	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-6

REPORT DATE: May 27, 2021

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
C21040630-005 Air Volume in mLs 1.23E+11	^{nat} U	9E-17	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	3E-17	5E-18	3E-18	1E-16	3E-14	9E-02
	²²⁶ Ra	5E-17	1E-17	1E-17	1E-16	9E-13	6E-03
	²¹⁰ Pb	4E-15	1E-15	2E-16	2E-15	6E-13	7E-01
	²³² Th	1E-18	2E-18	3E-18	N/A	6E-15	2E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-005
Client Sample ID: BHV-6

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	123239000	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/27/21 15:59 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/27/21 15:59 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	4.0E-15	uCi/mL				E909.0	05/09/21 00:56 / plj
Lead 210 precision (±)	1.2E-15	uCi/mL				E909.0	05/09/21 00:56 / plj
Lead 210 MDC	1.7E-16	uCi/mL				E909.0	05/09/21 00:56 / plj
Radium 226	5.1E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	1.4E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	2.6E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	5.0E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	3.2E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	1.0E-18	uCi/mL	U			A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	1.5E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.2E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	491	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	147	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	20.9	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	6.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	1.7	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	3.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	0.62	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.40	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.13	pCi/Filter	U			RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.19	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.40	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	11.7	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	6.6E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	6.0E-03	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	9.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-005
Client Sample ID: BHV-6

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	2.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	1.1E-01	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-6

REPORT DATE: August 5, 2021

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
C21070507-005 Air Volume in mLs 1.12E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	9E-17	2E-17	2E-18	1E-16	3E-14	3E-01
	²²⁶ Ra	2E-16	4E-17	1E-17	1E-16	9E-13	2E-02
	²¹⁰ Pb	1E-14	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-005
Client Sample ID: BHV-6

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	111690900	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	1.7E-10	mg/L		1.5E-10		SW6020	07/23/21 17:47 / jcg
Uranium, Activity	1.1E-16	uCi/mL		1.0E-16		SW6020	07/23/21 17:47 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.1E-14	uCi/mL				E909.0	08/02/21 10:39 / hat
Lead 210 precision (±)	3.2E-15	uCi/mL				E909.0	08/02/21 10:39 / hat
Lead 210 MDC	3.1E-16	uCi/mL				E909.0	08/02/21 10:39 / hat
Radium 226	1.9E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	3.9E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	8.6E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	1.6E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.0E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	1.2E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.3E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	1.7E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1190	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	356	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	34.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	21.2	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	4.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	9.6	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	1.8	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.22	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.3	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.25	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.19	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	12.6	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	1.8E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	2.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	2.9E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-005
Client Sample ID: BHV-6

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	2.0E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	1.3E-01	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-7

REPORT DATE: May 27, 2021

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
C21040630-006 Air Volume in mLs 1.24E+11	^{nat} U	1E-16	N/A	N/A	1E-16	9E-14	1E-01
	²³⁰ Th	7E-17	1E-17	4E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	2E-16	4E-17	1E-17	1E-16	9E-13	2E-02
	²¹⁰ Pb	3E-15	1E-15	2E-16	2E-15	6E-13	5E-01
	²³² Th	3E-18	2E-18	3E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-006
Client Sample ID: BHV-7

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	124296300	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	1.8E-10	mg/L		1.5E-10		SW6020	04/27/21 16:05 / jcg
Uranium, Activity	1.2E-16	uCi/mL		1.0E-16		SW6020	04/27/21 16:05 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	3.3E-15	uCi/mL				E909.0	05/09/21 01:20 / plj
Lead 210 precision (±)	9.9E-16	uCi/mL				E909.0	05/09/21 01:20 / plj
Lead 210 MDC	1.6E-16	uCi/mL				E909.0	05/09/21 01:20 / plj
Radium 226	1.7E-16	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	3.6E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	7.2E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	1.4E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	3.5E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	3.0E-18	uCi/mL	U			A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.2E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.3E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	409	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	123	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	19.6	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	21.0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	4.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	9.0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	1.7	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.44	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.38	pCi/Filter	U			RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.27	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.41	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	14.9	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	5.5E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	2.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	2.4E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf

Report RL - Analyte Reporting Limit
Definitions: 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 2021
Lab ID: C21040630-006
Client Sample ID: BHV-7

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	5.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	1.3E-01	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-7

REPORT DATE: August 5, 2021

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
C21070507-006 Air Volume in mLs 1.09E+11	^{nat} U	3E-16	N/A	N/A	1E-16	9E-14	3E-01
	²³⁰ Th	2E-16	5E-17	2E-18	1E-16	3E-14	8E-01
	²²⁶ Ra	8E-16	1E-16	1E-17	1E-16	9E-13	9E-02
	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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-006
Client Sample ID: BHV-7

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	109154500	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	4.1E-10	mg/L		1.5E-10		SW6020	07/23/21 17:52 / jcg
Uranium, Activity	2.7E-16	uCi/mL		1.0E-16		SW6020	07/23/21 17:52 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.4E-14	uCi/mL				E909.0	08/02/21 10:52 / hat
Lead 210 precision (±)	4.1E-15	uCi/mL				E909.0	08/02/21 10:52 / hat
Lead 210 MDC	3.5E-16	uCi/mL				E909.0	08/02/21 10:52 / hat
Radium 226	7.7E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	1.5E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.2E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	2.4E-16	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	4.6E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.4E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	1.2E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.3E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	2.0E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1490	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	444	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	37.7	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	83.5	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	15.9	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.3	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	26.4	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	5.0	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.26	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.3	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.25	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.22	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	30.0	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.3E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	9.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	8.1E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-006
Client Sample ID: BHV-7

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	2.0E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	3.1E-01	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: BHV-8

REPORT DATE: May 27, 2021

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
C21040630-007 Air Volume in mLs 1.23E+11	^{nat} U	6E-17	N/A	N/A	1E-16	9E-14	6E-02
	²³⁰ Th	5E-17	9E-18	5E-18	1E-16	3E-14	2E-01
	²²⁶ Ra	1E-16	3E-17	1E-17	1E-16	9E-13	2E-02
	²¹⁰ Pb	2E-15	7E-16	1E-16	2E-15	6E-13	4E-01
	²³² Th	7E-18	3E-18	4E-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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-007
Client Sample ID: BHV-8

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	123091200	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	04/27/21 16:10 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	04/27/21 16:10 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	2.2E-15	uCi/mL				E909.0	05/09/21 01:48 / plj
Lead 210 precision (±)	6.7E-16	uCi/mL				E909.0	05/09/21 01:48 / plj
Lead 210 MDC	1.4E-16	uCi/mL				E909.0	05/09/21 01:48 / plj
Radium 226	1.5E-16	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	3.2E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.3E-17	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	4.7E-17	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	8.9E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	5.1E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	6.9E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	3.1E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	3.7E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	275	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	82.9	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	17.1	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	18.4	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	3.9	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	5.8	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	1.1	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0.63	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0.85	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0.38	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0.45	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	7.2	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	3.7E-01	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	2.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	1.6E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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 2021
Lab ID: C21040630-007
Client Sample ID: BHV-8

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	1.2E-01	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	6.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: BHV-8

REPORT DATE: August 5, 2021

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
C21070507-007 Air Volume in mLs 1.11E+11	^{nat} U	9E-17	N/A	N/A	1E-16	9E-14	9E-02
	²³⁰ Th	1E-16	2E-17	2E-18	1E-16	3E-14	4E-01
	²²⁶ Ra	5E-16	1E-16	1E-17	1E-16	9E-13	6E-02
	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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-007
Client Sample ID: BHV-8

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	111414200	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	ND	mg/L		1.5E-10		SW6020	07/23/21 17:57 / jcg
Uranium, Activity	ND	uCi/mL		1.0E-16		SW6020	07/23/21 17:57 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	1.2E-14	uCi/mL				E909.0	08/02/21 11:03 / hat
Lead 210 precision (±)	3.7E-15	uCi/mL				E909.0	08/02/21 11:03 / hat
Lead 210 MDC	3.3E-16	uCi/mL				E909.0	08/02/21 11:03 / hat
Radium 226	5.2E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	1.0E-16	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.1E-17	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	1.3E-16	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	2.4E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	2.3E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	1.3E-17	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	2.4E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	1.8E-18	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	1370	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	410	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	36.4	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	57.6	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	11.1	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.2	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	14.3	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	2.7	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.26	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	1.4	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.27	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.20	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	9.5	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	2.1E+00	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	6.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	4.3E-01	%				RADCALC	08/05/21 13:52 / 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 2021
Lab ID: C21070507-007
Client Sample ID: BHV-8

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	2.1E-01	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	9.0E-02	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 1st Quarter Air 2021
SAMPLE ID: Blanks

REPORT DATE: May 27, 2021

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
C21040630-008 Air Volume in mLs 1.00E+03	^{nat} U	5.6E-10	N/A	N/A	1E-16	9E-14	6.2E+05
	²³⁰ Th	0E+00	0E+00	0E+00	1E-16	3E-14	0E+00
	²²⁶ Ra	1.8E-09	1.3E-09	1.5E-09	1E-16	9E-13	2.0E+05
	²¹⁰ Pb	3.1E-10	4.3E-09	7.2E-09	2E-15	6E-13	5.1E+04
	²³² Th	0E+00	0E+00	0E+00	N/A	6E-15	0E+00

+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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Lab ID: C21040630-008
Client Sample ID: Blanks

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	1	L				FIELD	01/04/21 00:00 / ***
METALS, IN AIR							
Uranium	0.00092	mg/L	D	0.00026		SW6020	04/27/21 16:15 / jcg
Uranium, Activity	5.6E-10	uCi/mL	D	1.8E-10		SW6020	04/29/21 21:20 / srm
RADIONUCLIDES - IN AIR							
Lead 210	3.1E-10	uCi/mL	U			E909.0	05/09/21 02:29 / plj
Lead 210 precision (±)	4.3E-09	uCi/mL				E909.0	05/09/21 02:29 / plj
Lead 210 MDC	7.2E-09	uCi/mL				E909.0	05/09/21 02:29 / plj
Radium 226	1.8E-09	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 precision (±)	1.3E-09	uCi/mL				E903.0	04/28/21 13:16 / amm
Radium 226 MDC	1.5E-09	uCi/mL				E903.0	04/28/21 13:16 / amm
Thorium 230	2.0E-18	uCi/mL	U			A7500-U C	05/10/21 16:32 / hat
Thorium 230 precision (±)	3.7E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 230 MDC	6.7E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232	8.5E-19	uCi/mL	U			A7500-U C	05/10/21 16:32 / hat
Thorium 232 precision (±)	2.0E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
Thorium 232 MDC	4.0E-18	uCi/mL				A7500-U C	05/10/21 16:32 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	0.31	pCi/Filter	U			RADCALC	05/20/21 14:08 / dmf
Lead 210 precision (±)	4.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Lead 210 MDC	7.2	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226	1.8	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 precision (±)	1.3	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230	0	pCi/Filter	U			RADCALC	05/20/21 14:08 / dmf
Thorium 230 precision (±)	0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 230 MDC	0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232	0	pCi/Filter	U			RADCALC	05/20/21 14:08 / dmf
Thorium 232 precision (±)	0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Thorium 232 MDC	0	pCi/Filter				RADCALC	05/20/21 14:08 / dmf
Uranium, Activity	0.56	pCi/Filter		0.20		RADCALC	05/20/21 14:08 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	5.1E+04	%				RADCALC	05/20/21 14:10 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, % of EFF	2.0E+05	%				RADCALC	05/20/21 14:10 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 230, % of EFF	7.0E-03	%				RADCALC	05/20/21 14:10 / dmf
Thorium 230, EFF Year	3.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / 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: 1st Quarter Air 2021
Lab ID: C21040630-008
Client Sample ID: Blanks

Report Date: 05/27/21
Collection Date: 01/04/21
Date Received: 04/14/21
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	05/20/21 14:10 / dmf
Thorium 232, % of EFF	1.0E-02	%				RADCALC	05/20/21 14:10 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, % of EFF	6.2E+05	%				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	05/20/21 14:10 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	05/20/21 14:10 / dmf

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

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

HIGH VOLUME AIR SAMPLING REPORT

CLIENT: Energy Fuels Resources (USA) Inc
PROJECT: 2nd Quarter Air 2021
SAMPLE ID: Blanks

REPORT DATE: August 5, 2021

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
C21070507-008 Air Volume in mLs 1.00E+03	^{nat} U	4.9E-10	N/A	N/A	1E-16	9E-14	5.4E+05
	²³⁰ Th	2.1E-10	2.2E-10	3.8E-10	1E-16	3E-14	7.0E+05
	²²⁶ Ra	2.1E-10	1.0E-09	1.5E-09	1E-16	9E-13	2.3E+04
	²¹⁰ Pb	-2E-09	4.7E-09	8.0E-09	2E-15	6E-13	-3E+05
	²³² Th	9.6E-11	1.3E-10	2.4E-10	N/A	6E-15	1.6E+06

+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



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Lab ID: C21070507-008
Client Sample ID: Blanks

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
CLIENT PROVIDED FIELD PARAMETERS							
Air Filtering Volume	1	L				FIELD	04/05/21 00:00 / ***
*** Performed by Sampler							
METALS, IN AIR							
Uranium	0.00072	mg/L	D	0.00026		SW6020	07/23/21 18:02 / jcg
Uranium, Activity	4.9E-10	uCi/mL	D	1.8E-10		SW6020	07/23/21 18:02 / jcg
RADIONUCLIDES - IN AIR							
Lead 210	-2.1E-09	uCi/mL	U			E909.0	08/02/21 11:14 / hat
Lead 210 precision (±)	4.7E-09	uCi/mL				E909.0	08/02/21 11:14 / hat
Lead 210 MDC	8.0E-09	uCi/mL				E909.0	08/02/21 11:14 / hat
Radium 226	2.1E-10	uCi/mL	U			E903.0	08/04/21 14:21 / amm
Radium 226 precision (±)	1.0E-09	uCi/mL				E903.0	08/04/21 14:21 / amm
Radium 226 MDC	1.5E-09	uCi/mL				E903.0	08/04/21 14:21 / amm
Thorium 230	2.1E-10	uCi/mL	U			A7500-U C	07/26/21 18:26 / hat
Thorium 230 precision (±)	2.2E-10	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 230 MDC	3.8E-10	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232	9.6E-11	uCi/mL	U			A7500-U C	07/26/21 18:26 / hat
Thorium 232 precision (±)	1.3E-10	uCi/mL				A7500-U C	07/26/21 18:26 / hat
Thorium 232 MDC	2.4E-10	uCi/mL				A7500-U C	07/26/21 18:26 / hat
RADIONUCLIDES - IN AIR - PER FILTER							
Lead 210	-2.1	pCi/Filter	U			RADCALC	08/05/21 13:51 / dmf
Lead 210 precision (±)	4.7	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Lead 210 MDC	8.0	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226	0.21	pCi/Filter	U			RADCALC	08/05/21 13:51 / dmf
Radium 226 precision (±)	1.0	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Radium 226 MDC	1.5	pCi/Filter				RADCALC	08/05/21 13:51 / dmf
Thorium 230	0.21	pCi/Filter	U			RADCALC	07/29/21 16:23 / dmf
Thorium 230 precision (±)	0.22	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 230 MDC	0.38	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232	0.096	pCi/Filter	U			RADCALC	07/29/21 16:23 / dmf
Thorium 232 precision (±)	0.13	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Thorium 232 MDC	0.24	pCi/Filter				RADCALC	07/29/21 16:23 / dmf
Uranium, Activity	0.49	pCi/Filter		0.20		RADCALC	07/29/21 16:23 / dmf
RADIOCHEMISTRY AIR FILTER COMPLIANCE							
Lead 210, % of EFF	-3.0E+05	%				RADCALC	08/05/21 13:52 / dmf
Lead 210, EFF Day	6.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Lead 210, LLD	2.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, % of EFF	2.3E+04	%				RADCALC	08/05/21 13:52 / dmf
Radium 226, EFF Week	9.0E-13	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Radium 226, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 230, % of EFF	7.0E+05	%				RADCALC	08/05/21 13:52 / dmf

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level
Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)
D - Reporting Limit (RL) increased due to sample matrix 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 2021
Lab ID: C21070507-008
Client Sample ID: Blanks

Revised Date: 08/17/21
Report Date: 08/09/21
Collection Date: 06/28/21
Date Received: 07/13/21
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	08/05/21 13:52 / dmf
Thorium 230, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, % of EFF	1.6E+06	%				RADCALC	08/05/21 13:52 / dmf
Thorium 232, EFF Year	6.0E-15	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Thorium 232, LLD	N/A	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, % of EFF	5.4E+05	%				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, EFF Year	9.0E-14	uCi/mL				RADCALC	08/05/21 13:52 / dmf
Uranium Natural, LLD	1.0E-16	uCi/mL				RADCALC	08/05/21 13:52 / dmf

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

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



ANALYTICAL SUMMARY REPORT

May 27, 2021

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

Work Order: C21040630 Quote ID: C5470

Project Name: 1st Quarter Air 2021

Energy Laboratories, Inc. Casper WY received the following 8 samples for Energy Fuels Resources (USA) Inc on 4/14/2021 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C21040630-001	BHV-1	01/04/21 0:00	04/14/21	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
C21040630-002	BHV-2	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-003	BHV-4	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-004	BHV-5	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-005	BHV-6	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-006	BHV-7	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-007	BHV-8	01/04/21 0:00	04/14/21	Filter	Same As Above
C21040630-008	Blanks	01/04/21 0:00	04/14/21	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 Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. 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.

Report Approved By:

Project Manager

Digitally signed by
Kasey Vidick
Date: 2021.05.27 16:43:47 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: 1st Quarter Air 2021
Work Order: C21040630

Report Date: 05/27/21

CASE NARRATIVE

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.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C21040630

Report Date: 05/03/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW6020										Analytical Run: ICPMS5-C_210426A	
Lab ID: QCS		Initial Calibration Verification Standard								04/26/21 14:47	
Uranium		0.0186	mg/L	0.00030	93	90	110				
Lab ID: ICSA		Interference Check Sample A								04/26/21 15:28	
Uranium		1.13E-05	mg/L	0.00030							
Lab ID: ICSAB		Interference Check Sample AB								04/26/21 15:32	
Uranium		1.66E-05	mg/L	0.00030							
Method: SW6020										Batch: 61970	
Lab ID: MB-61970		Method Blank								Run: ICPMS5-C_210426A	04/27/21 14:57
Uranium		ND	mg/L	0.0003							
Lab ID: LCS-61970		Laboratory Control Sample								Run: ICPMS5-C_210426A	04/27/21 15:02
Uranium		0.0537	mg/L	0.00026	107	85	115				
Lab ID: C21040630-001ADIL		Serial Dilution								Run: ICPMS5-C_210426A	04/27/21 15:34
Uranium		6.95E-11	mg/L	1.5E-10		0	0		20	N	
Lab ID: C21040630-001APDS		Post Digestion/Distillation Spike								Run: ICPMS5-C_210426A	04/27/21 15:39
Uranium		5.17E-10	mg/L	1.5E-10	108	75	125				
Method: SW6020										Analytical Run: ICPMS5-C_210429A	
Lab ID: QCS		Initial Calibration Verification Standard								04/29/21 18:12	
Uranium		0.0197	mg/L	0.00030	98	90	110				
Lab ID: ICSA		Interference Check Sample A								04/29/21 19:07	
Uranium		1.08E-05	mg/L	0.00030							
Lab ID: ICSAB		Interference Check Sample AB								04/29/21 19:11	
Uranium		1.68E-05	mg/L	0.00030							
Method: SW6020										Batch: 61970	
Lab ID: MB-61970		Method Blank								Run: ICPMS5-C_210429A	04/29/21 21:15
Uranium		ND	mg/L	0.0003							

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

N - Analyte concentration was not sufficiently high to calculate a Relative Percent Difference (RPD) for the serial dilution test



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C21040630

Report Date: 05/27/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A7500-U C										
Batch: 61970										
Lab ID: MB-61970	6	Method Blank								
							Run: EGG-ORTEC_2_210506A			05/10/21 16:32
Thorium 230		0.1	pCi/L							U
Thorium 230 precision (±)		0.2	pCi/L							
Thorium 230 MDC		0.3	pCi/L							
Thorium 232		-0.05	pCi/L							U
Thorium 232 precision (±)		0.1	pCi/L							
Thorium 232 MDC		0.3	pCi/L							
Lab ID: LCS-61970	3	Laboratory Control Sample								
							Run: EGG-ORTEC_2_210506A			05/10/21 16:32
Thorium 230		48.0	pCi/L	100		70	130			
Thorium 230 precision (±)		9.12	pCi/L							
Thorium 230 MDC		0.289	pCi/L							
Lab ID: C21040630-004ADUP	6	Sample Duplicate								
							Run: EGG-ORTEC_2_210506A			05/10/21 16:32
Thorium 230		1.12E-07	pCi/L					1.0		30
Thorium 230 precision (±)		2.13E-08	pCi/L							
Thorium 230 MDC		4.97E-09	pCi/L							
Thorium 232		4.52E-09	pCi/L					17		30
Thorium 232 precision (±)		2.53E-09	pCi/L							
Thorium 232 MDC		3.37E-09	pCi/L							

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: C21040630

Report Date: 05/27/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: 61970
Lab ID: MB-61970	3	Method Blank								
Radium 226		0.7	pCi/L							U
Radium 226 precision (±)		0.6	pCi/L							
Radium 226 MDC		0.9	pCi/L							
Lab ID: LCS-61970	3	Laboratory Control Sample								
Radium 226		90.8	pCi/L	89		70	130			
Radium 226 precision (±)		17.4	pCi/L							
Radium 226 MDC		1.51	pCi/L							
Lab ID: C21040630-008ADUP	3	Sample Duplicate								
Radium 226		1.87	pCi/L					2.5	30	
Radium 226 precision (±)		1.23	pCi/L							
Radium 226 MDC		1.47	pCi/L							

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: C21040630

Report Date: 05/27/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0										Batch: 61970
Lab ID: LCS-61970	3	Laboratory Control Sample						Run: PACKARD 3100TR_210504A		05/08/21 13:04
Lead 210		149	pCi/L		85	60	130			
Lead 210 precision (±)		44.6	pCi/L							
Lead 210 MDC		9.70	pCi/L							
Lab ID: MB-61970	3	Method Blank						Run: PACKARD 3100TR_210504A		05/08/21 15:08
Lead 210		-1	pCi/L							U
Lead 210 precision (±)		2	pCi/L							
Lead 210 MDC		4	pCi/L							
Lab ID: C21040630-001ADUP	3	Sample Duplicate						Run: PACKARD 3100TR_210504A		05/08/21 22:56
Lead 210		2.42E-06	pCi/L					17	30	
Lead 210 precision (±)		7.30E-07	pCi/L							
Lead 210 MDC		1.43E-07	pCi/L							

Qualifiers:

RL - Analyte Reporting Limit

U - Not detected at Minimum Detectable Concentration (MDC)

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Energy Fuels Resources (USA) Inc

C21040630

Login completed by: Kirsten L. Smith

Date Received: 4/14/2021

Reviewed by: Misty Stephens

Received by: saa

Reviewed Date: 4/15/2021

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	10.6°C No Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

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.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

C21040630



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 2021	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
BHV-1	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-2	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-4	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-5	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-6	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-7	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-8	1/4/2021 - 4/5/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
Blanks	1/4/2021 - 4/5/2021	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 4/12/2021 1100	Received By:(Signature) <i>[Signature]</i>	Date/Time
Relinquished By:(Signature)	Date/Time	Received By:(Signature) <i>[Signature]</i>	Date/Time 4/14/21 10:33

BHV-1		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586613	1/4/2021	1/11/2021	332.01	499.94	10075.8	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9601.2	4.3800	4.4199	39.9	0.0042	100.0	
2	9586605	1/11/2021	1/18/2021	499.94	667.04	10026.0	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9536.2	4.3827	4.4413	58.6	0.0061	99.5	
3	9647097	1/18/2021	1/25/2021	667.04	835.46	10105.2	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9565.9	4.5325	4.5960	63.5	0.0066	100.3	
4	9647089	1/25/2021	2/2/2021	835.46	1028.82	11601.6	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11036.2	4.5428	4.5794	36.6	0.0033	115.1	
5	9647076	2/2/2021	2/8/2021	1028.82	1172.15	8599.8	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	8106.8	4.5621	4.7434	181.3	0.0224	85.3	
6	9647073	2/8/2021	2/15/2021	1172.15	1343.15	10260.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9644.1	4.5233	4.6064	83.1	0.0086	101.8	
7	9647065	2/15/2021	2/22/2021	1343.15	1507.66	9870.6	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9373.7	4.3322	4.3721	39.9	0.0043	97.9	
8	9647057	2/22/2021	3/2/2021	1507.66	1700.96	11598.0	4.5	4.0	4.3	1.3	274.5	619.13	1.10	0.98	34.46	11318.1	4.3072	4.3898	82.6	0.0073	115.1	
9	9647049	3/2/2021	3/8/2021	1700.96	1866.03	9904.2	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9291.9	4.3574	4.4394	82.0	0.0088	98.3	
10	9647041	3/8/2021	3/15/2021	1866.03	2010.21	8650.8	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7867.9	4.3528	4.4613	108.5	0.0138	85.8	
11	9647033	3/15/2021	3/22/2021	2010.21	2177.47	10035.6	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9681.2	4.3353	4.4408	105.5	0.0109	99.6	
12	9647025	3/22/2021	3/29/2021	2177.47	2346.52	10143.0	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.6	4.4683	4.5188	50.5	0.0053	100.6	
13	9647017	3/29/2021	4/5/2021	2346.52	2513.87	10041.0	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9360.1	4.4762	4.6623	186.1	0.0199	99.6	
14																						
						Totals	130911.6						13.99	12.30	434.20	123923.1	57.553	58.671	1118.1	0.1215		
						Averages	10070.1	4.0	4.0	4.0	2.9	276.1	618.513	1.08	0.95	33.40	9532.5	4.427	4.513	86.0	0.0093	99.9
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-2		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021								Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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/in ³)	Percent Onstream (%)	
1	9586612	1/4/2021	1/11/2021	5204.09	5371.28	10031.4	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9558.9	4.3902	4.4810	90.8	0.0095	99.5	
2	9586604	1/11/2021	1/18/2021	5371.28	5538.49	10032.6	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9542.5	4.3932	4.5183	125.1	0.0131	99.5	
3	9647096	1/18/2021	1/25/2021	5538.49	5706.92	10105.8	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9566.5	4.5785	4.6752	96.7	0.0101	100.3	
4	9647083	1/25/2021	2/2/2021	5706.92	5903.91	11819.4	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11243.4	4.5125	4.5688	56.3	0.0050	117.3	
5	9647077	2/2/2021	2/8/2021	5903.91	6043.63	8383.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7902.7	4.5314	4.6849	153.5	0.0194	83.2	
6	9647072	2/8/2021	2/15/2021	6043.63	6214.58	10257.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9641.3	4.5385	4.6397	101.2	0.0105	101.8	
7	9647064	2/15/2021	2/22/2021	6214.58	6379.17	9875.4	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9378.3	4.3591	4.4064	47.3	0.0050	98.0	
8	9647056	2/22/2021	3/2/2021	6379.17	6572.13	11577.6	4.5	4.0	4.3	1.3	274.5	619.13	1.10	0.98	34.46	11298.2	4.3618	4.5378	176.0	0.0156	114.9	
9	9647048	3/2/2021	3/8/2021	6572.13	6738.05	9955.2	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9339.8	4.3343	4.4529	118.6	0.0127	98.8	
10	9647040	3/8/2021	3/15/2021	6738.05	6881.39	8600.4	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7822.1	4.3217	4.4835	161.8	0.0207	85.3	
11	9647032	3/15/2021	3/22/2021	6881.39	7048.87	10048.8	4.0	4.0	4.0	6.9	280.1	617.37	1.08	0.94	33.05	9404.7	4.3328	4.5014	168.6	0.0179	99.7	
12	9647024	3/22/2021	3/29/2021	7048.87	7217.91	10142.4	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.1	4.4731	4.5554	82.3	0.0086	100.6	
13	9647016	3/29/2021	4/5/2021	7217.91	7385.16	10035.0	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9354.5	4.4501	4.6830	232.9	0.0249	99.6	
14																						
						Totals	130864.2						13.96	12.27	433.19	123591.9	57.577	59.188	1611.1	0.1731		
						Averages	10066.5	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.32	9507.1	4.429	4.553	123.9	0.0133	99.9
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, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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 Ourside (%)	
1	9586611	1/4/2021	1/11/2021	29447.35	29615.26	10074.6	3.5	4.0	3.8	-1.1	272.0	621.61	1.03	0.92	32.58	9295.4	4.4088	4.4673	58.5	0.0063	99.9	
2	9586603	1/11/2021	1/18/2021	29615.26	29782.49	10033.8	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9543.6	4.3930	4.4525	59.5	0.0062	99.5	
3	9647095	1/18/2021	1/25/2021	29782.49	29950.85	10101.6	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9856.5	4.5658	4.6421	76.3	0.0077	100.2	
4	9647088	1/25/2021	2/2/2021	29950.85	30148.59	11864.4	4.5	4.0	4.3	-1.1	272.1	619.56	1.10	0.98	34.63	11633.3	4.5340	4.5769	42.9	0.0037	117.7	
5	9647078	2/2/2021	2/8/2021	30148.59	30288.71	8407.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7925.3	4.5034	4.6648	161.4	0.0204	83.4	
6	9647071	2/8/2021	2/15/2021	30288.71	30459.76	10263.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9646.9	4.5182	4.5740	55.8	0.0058	101.8	
7	9647063	2/15/2021	2/22/2021	30459.76	30623.18	9805.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9311.6	4.3584	4.3937	35.3	0.0038	97.3	
8	9647055	2/22/2021	3/2/2021	30623.18	30819.41	11773.8	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10793.3	4.3864	4.4795	93.1	0.0086	116.8	
9	9647047	3/2/2021	3/8/2021	30819.41	30981.69	9736.8	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9134.9	4.3407	4.4863	145.6	0.0159	96.6	
10	9647039	3/8/2021	3/15/2021	30981.69	31125.45	8625.6	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7845.0	4.3339	4.4228	88.9	0.0113	85.6	
11	9647031	3/15/2021	3/22/2021	31125.45	31293	10053.0	3.5	4.0	3.8	6.9	280.1	617.37	1.05	0.91	32.00	9110.2	4.4186	4.5201	101.5	0.0111	99.7	
12	9647023	3/22/2021	3/29/2021	31293	31462.03	10141.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9538.5	4.4958	4.5595	63.7	0.0067	100.6	
13	9647015	3/29/2021	4/5/2021	31462.03	31629.24	10032.6	4.5	4.0	4.3	10.6	283.7	620.45	1.12	0.96	33.93	9639.9	4.4480	4.6466	198.6	0.0206	99.5	
14																						
						Totals	130913.4						13.92	12.23	432.06	123274.4	57.705	58.886	1181.1	0.1282		
						Averages	10070.3	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.24	9482.6	4.439	4.530	90.9	0.0099	99.9
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, 2021 - April 5, 2021					Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586610	1/4/2021	1/11/2021	22680.52	22848.63	10086.6	4.5	4.0	4.3	-1.1	272.0	621.61	1.10	0.98	34.69	9907.0	4.3962	4.4639	67.7	0.0068	100.1	
2	9586602	1/11/2021	1/18/2021	22848.63	23015.85	10033.2	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9543.1	4.4020	4.4619	59.9	0.0063	99.5	
3	9647094	1/18/2021	1/25/2021	23015.85	23184.22	10102.2	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9857.1	4.5323	4.6215	89.2	0.0090	100.2	
4	9647087	1/25/2021	2/2/2021	23184.22	23382.39	11890.2	4.5	4.0	4.3	-1.1	272.1	619.56	1.10	0.98	34.63	11658.6	4.5606	4.6156	55.0	0.0047	118.0	
5	9647079	2/2/2021	2/8/2021	23382.39	23522.11	8383.2	3.5	4.0	3.8	2.9	276.0	617.30	1.04	0.91	32.23	7651.9	4.5482	4.7279	179.7	0.0235	83.2	
6	9647070	2/8/2021	2/15/2021	23522.11	23693.14	10261.8	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9645.8	4.3488	4.4535	104.7	0.0109	101.8	
7	9647062	2/15/2021	2/22/2021	23693.14	23856.57	9805.8	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9312.2	4.3386	4.3913	52.7	0.0057	97.3	
8	9647054	2/22/2021	3/2/2021	23856.57	24052.07	11730.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10753.1	4.3854	4.5010	115.6	0.0108	116.4	
9	9647046	3/2/2021	3/8/2021	24052.07	24214.8	9763.8	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9160.2	4.3256	4.4820	156.4	0.0171	96.9	
10	9647038	3/8/2021	3/15/2021	24214.8	24358.56	8625.6	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8351.2	4.3474	4.4716	124.2	0.0149	85.6	
11	9647030	3/15/2021	3/22/2021	24358.56	24526.13	10054.2	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9699.1	4.4400	4.5484	108.4	0.0112	99.7	
12	9647022	3/22/2021	3/29/2021	24526.13	24695.16	10141.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9538.5	4.4580	4.5156	57.6	0.0060	100.6	
13	9647014	3/29/2021	4/5/2021	24695.16	24862.31	10029.0	3.5	4.0	3.8	10.6	283.7	620.45	1.05	0.90	31.88	9052.3	4.4655	4.6601	194.6	0.0215	99.5	
14																						
						Totals	130907.4						14.02	12.32	435.18	124130.2	57.549	58.914	1365.7	0.1483		
						Averages	10069.8	4.1	4.0	4.0	2.9	276.1	618.513	1.08	0.95	33.48	9548.5	4.427	4.532	105.1	0.0114	99.9
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.																						
												* Time indicator reset after 10000 on 6/4/18. A negative number was inserted on the start time to compensate for the meter rolling over after 10,000.										

BHV-6		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021					Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586609	1/4/2021	1/11/2021	11413.98	11581.88	10074.0	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9599.5	4.3915	4.4451	53.6	0.0056	99.9
2	9586601	1/11/2021	1/18/2021	11581.88	11749.09	10032.6	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9542.5	4.3830	4.4563	73.3	0.0077	99.5
3	9647093	1/18/2021	1/25/2021	11749.09	11917.51	10105.2	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9860.0	4.5414	4.6328	91.4	0.0093	100.3
4	9647086	1/25/2021	2/2/2021	11917.51	12115.56	11883.0	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11303.9	4.5435	4.5952	51.7	0.0046	117.9
5	9647080	2/2/2021	2/8/2021	12115.56	12255.28	8383.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7902.7	4.5353	4.7100	174.7	0.0221	83.2
6	9647069	2/8/2021	2/15/2021	12255.28	12426.33	10263.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9646.9	4.3648	4.4305	65.7	0.0068	101.8
7	9647061	2/15/2021	2/22/2021	12426.33	12589.75	9805.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9311.6	4.3365	4.3775	41.0	0.0044	97.3
8	9647053	2/22/2021	3/2/2021	12589.75	12786.1	11781.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10799.9	4.3248	4.4073	82.5	0.0076	116.9
9	9647045	3/2/2021	3/8/2021	12786.1	12948.26	9729.6	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9128.1	4.3093	4.4323	123.0	0.0135	96.5
10	9647037	3/8/2021	3/15/2021	12948.26	13092.03	8626.2	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7845.5	4.3265	4.4461	119.6	0.0152	85.6
11	9647029	3/15/2021	3/22/2021	13092.03	13259.54	10050.6	4.0	4.0	4.0	6.9	280.1	617.37	1.08	0.94	33.05	9406.4	4.4504	4.5490	98.6	0.0105	99.7
12	9647021	3/22/2021	3/29/2021	13259.54	13428.58	10142.4	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.1	4.5028	4.5695	66.7	0.0070	100.6
13	9647013	3/29/2021	4/5/2021	13428.58	13595.8	10033.2	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9352.9	4.4487	4.6259	177.2	0.0189	99.5
14																					
Totals						130909.2							13.93	12.24	432.13	123239.0	57.459	58.678	1219.0	0.1332	
Averages						10069.9	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.24	9479.9	4.420	4.514	93.8	0.0102	99.9
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-7	Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021										Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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 (lit / 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 (lit / 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	9586608	1/4/2021	1/11/2021	4364.22	4532.27	10083.0	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9608.0	4.3980	4.4861	88.1	0.0092	100.0	
2	9647100	1/11/2021	1/18/2021	4532.27	4699.46	10031.4	4.5	4.0	4.3	0.5	273.7	623.11	1.10	0.98	34.62	9834.7	4.7175	4.8285	111.0	0.0113	99.5	
3	9647092	1/18/2021	1/25/2021	4699.46	4867.88	10105.2	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9565.9	4.5245	4.6201	95.6	0.0100	100.3	
4	9647085	1/25/2021	2/2/2021	4867.88	5060.7	11569.2	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11005.4	4.5172	4.5677	50.5	0.0046	114.8	
5	9647081	2/2/2021	2/8/2021	5060.7	5204.6	8634.0	4.5	4.0	4.3	2.9	276.0	617.30	1.11	0.97	34.31	8389.4	4.5303	4.5725	42.2	0.0050	85.7	
6	9647068	2/8/2021	2/15/2021	5204.6	5375.55	10257.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9641.3	4.3573	4.4368	79.5	0.0082	101.8	
7	9647060	2/15/2021	2/22/2021	5375.55	5540.12	9874.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9377.1	4.3334	4.3764	43.0	0.0046	98.0	
8	9647052	2/22/2021	3/2/2021	5540.12	5733.42	11598.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10632.1	4.3310	4.4250	94.0	0.0088	115.1	
9	9647044	3/2/2021	3/8/2021	5733.42	5898.46	9902.4	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9290.3	4.3546	4.5032	148.6	0.0160	98.2	
10	9647036	3/8/2021	3/15/2021	5898.46	6042.46	8640.0	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8365.1	4.3615	4.5079	146.4	0.0175	85.7	
11	9647028	3/15/2021	3/22/2021	6042.46	6209.89	10045.8	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9691.0	4.4258	4.5651	139.3	0.0144	99.7	
12	9647020	3/22/2021	3/29/2021	6209.89	6378.96	10144.2	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9540.8	4.4545	4.5338	79.3	0.0083	100.6	
13	9647012	3/29/2021	4/5/2021	6378.96	6546.22	10035.6	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9355.1	4.4785	4.6895	211.0	0.0226	99.6	
14																						
						Totals	130920.0						14.06	12.35	436.24	124296.3	57.784	59.113	1328.5	0.1405		
						Averages	10070.8	4.1	4.0	4.1	2.9	276.1	618.513	1.08	0.95	33.56	9561.3	4.445	4.547	102.2	0.0108	99.9

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, 2021 - April 5, 2021									Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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 (mm)	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	9586607	1/4/2021	1/11/2021	20597.39	20765.33	10076.4	4.5	4.0	4.3	-1.1	272.0	621.61	1.10	0.98	34.69	9897.0	4.3785	4.3991	20.6	0.0021	100.0			
2	9647099	1/11/2021	1/18/2021	20765.33	20932.5	10030.2	3.0	4.0	3.5	0.5	273.7	623.11	1.00	0.89	31.42	8924.6	4.7208	4.7234	2.6	0.0003	99.5			
3	9647091	1/18/2021	1/25/2021	20932.5	21100.92	10105.2	3.0	4.0	3.5	0.6	273.7	617.25	1.00	0.89	31.27	8948.6	4.5165	4.5988	82.3	0.0092	100.2			
4	9647084	1/25/2021	2/2/2021	21100.92	21293.26	11540.4	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	10978.0	4.5259	4.5583	32.4	0.0030	114.5			
5	9647082	2/2/2021	2/8/2021	21293.26	21437.57	8658.6	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	8162.3	4.5211	4.6189	97.8	0.0120	85.9			
4	9647067	2/8/2021	2/15/2021	21437.57	21608.55	10258.8	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9643.0	4.3660	4.9223	556.3	0.0577	101.8			
7	9647059	2/15/2021	2/22/2021	21608.55	21773.11	9873.6	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9376.6	4.3446	4.3765	31.9	0.0034	98.0			
8	9647051	2/22/2021	3/2/2021	21773.11	21966.67	11613.6	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10646.4	4.3761	4.4714	95.3	0.0090	115.2			
9	9647043	3/2/2021	3/8/2021	21966.67	22131.46	9887.4	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9276.2	4.3369	4.5146	177.7	0.0192	98.1			
10	9647035	3/8/2021	3/15/2021	22131.46	22275.61	8649.0	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8373.8	4.3472	4.4893	142.1	0.0170	85.8			
11	9647027	3/15/2021	3/22/2021	22275.61	22442.86	10035.0	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9680.6	4.4661	4.6214	155.3	0.0160	99.6			
12	9647019	3/22/2021	3/29/2021	22442.86	22611.94	10144.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9541.3	4.4555	4.5337	78.2	0.0082	100.6			
13	9647011	3/29/2021	4/5/2021	22611.94	22779.2	10035.6	4.5	4.0	4.3	10.6	283.7	620.45	1.12	0.96	33.93	9642.8	4.4757	4.6775	201.8	0.0209	99.6			
14																								
						Totals	130908.6									13.92	12.23	431.91	123091.2	57.831	59.505	1674.3	0.1778	
						Averages	10069.9	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.22	9468.6	4.449	4.577	128.8	0.0137	99.9		
Comments: 2/15/2021 - Heavy traffic stirred up dust causing such a heavy gross weight.																								
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, 2021 - April 5, 2021

Week #	Filter Number	Start Date	Stop Date	Net
1	9586606	04-Jan-21	11-Jan-21	4.3905
2	9647098	11-Jan-21	18-Jan-21	4.7186
3	9647090	18-Jan-21	25-Jan-21	4.5372
4	9647075	25-Jan-21	02-Feb-21	4.5273
5	9647074	02-Feb-21	08-Feb-21	4.5504
6	9647066	08-Feb-21	15-Feb-21	4.3207
7	9647058	15-Feb-21	22-Feb-21	4.3300
8	9647050	22-Feb-21	02-Mar-21	4.3774
9	9647042	02-Mar-21	08-Mar-21	4.3547
10	9647034	08-Mar-21	15-Mar-21	4.3378
11	9647026	15-Mar-21	22-Mar-21	4.4417
12	9647018	22-Mar-21	29-Mar-21	4.4206
13	9647010	29-Mar-21	05-Apr-21	4.4682
14				
	Totals			



ANALYTICAL SUMMARY REPORT

August 17, 2021

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

Work Order: C21070507 Quote ID: C5470

Project Name: 2nd Quarter Air 2021

Energy Laboratories, Inc. Casper WY received the following 8 samples for Energy Fuels Resources (USA) Inc on 7/13/2021 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C21070507-001	BHV-1	06/28/21 0:00	07/13/21	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
C21070507-002	BHV-2	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-003	BHV-4	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-004	BHV-5	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-005	BHV-6	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-006	BHV-7	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-007	BHV-8	06/28/21 0:00	07/13/21	Filter	Same As Above
C21070507-008	Blanks	06/28/21 0:00	07/13/21	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:

Digitally signed by
Kasey Vidick
Date: 2021.08.17 12:50:42 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: 2nd Quarter Air 2021
Work Order: C21070507

Revised Date: 08/17/21

Report Date: 08/09/21

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT Revised 8/17/2021

The collection date for all samples submitted has been updated to 6/28/2021.

The report has been revised and replaces any previously issued report in its entirety.

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.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C21070507

Report Date: 07/26/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Analytical Run: ICPMS5-C_210722A
Lab ID: QCS		Initial Calibration Verification Standard								07/22/21 13:49
Uranium		0.0187	mg/L	0.00030	94	90	110			
Lab ID: ICSA		Interference Check Sample A								07/22/21 14:30
Uranium		0.0000214	mg/L	0.00030						
Lab ID: ICSAB		Interference Check Sample AB								07/22/21 14:34
Uranium		0.0000207	mg/L	0.00030						
Method: SW6020										Batch: 63150
Lab ID: MB-63150		Method Blank								07/23/21 16:46
Uranium		ND	mg/L	0.0003						Run: ICPMS5-C_210722A
Lab ID: LCS-63150		Laboratory Control Sample								07/23/21 16:52
Uranium		0.0496	mg/L	0.00027	96	85	115			Run: ICPMS5-C_210722A
Lab ID: C21070498-001ADIL		Serial Dilution								07/23/21 17:02
Uranium		5.40E-11	mg/L	1.5E-10		0	0		20	N
Lab ID: C21070498-001APDS		Post Digestion/Distillation Spike								07/23/21 17:07
Uranium		1.12E-09	mg/L	1.5E-10	98	75	125			Run: ICPMS5-C_210722A

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

N - Analyte concentration was not sufficiently high to calculate a Relative Percent Difference (RPD) for the serial dilution test



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Work Order: C21070507

Report Date: 08/05/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A7500-U C Batch: 63150										
Lab ID: MB-63150	6	Method Blank								
							Run: EGG-ORTEC_2_210721E		07/26/21 18:26	
Thorium 230		0.1	pCi/L							U
Thorium 230 precision (±)		0.1	pCi/L							
Thorium 230 MDC		0.2	pCi/L							
Thorium 232		0.02	pCi/L							U
Thorium 232 precision (±)		0.07	pCi/L							
Thorium 232 MDC		0.2	pCi/L							
Lab ID: LCS-63150	3	Laboratory Control Sample								
							Run: EGG-ORTEC_2_210721E		07/26/21 18:26	
Thorium 230		51.4	pCi/L	107		70	130			
Thorium 230 precision (±)		9.77	pCi/L							
Thorium 230 MDC		0.229	pCi/L							
Lab ID: C21070580-003ADUP	6	Sample Duplicate								
							Run: EGG-ORTEC_2_210721E		07/26/21 18:26	
Thorium 230		0.0000456	pCi/L					100	20	R
Thorium 230 precision (±)		0.0000203	pCi/L							
Thorium 230 MDC		0.0000237	pCi/L							
Thorium 232		5.61E-06	pCi/L					62	20	UR
Thorium 232 precision (±)		0.0000135	pCi/L							
Thorium 232 MDC		0.0000263	pCi/L							

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than the limit of 2, the Th230 RER result is 1.17 and the Th232 RER result is 0.26.

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: C21070507

Report Date: 08/05/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0 Batch: 63150										
Lab ID: MB-63150	3	Method Blank								
										Run: G542M_210728B 08/04/21 14:21
Radium 226		0.3	pCi/L							U
Radium 226 precision (±)		0.5	pCi/L							
Radium 226 MDC		0.7	pCi/L							
Lab ID: LCS-63150	3	Laboratory Control Sample								
										Run: G542M_210728B 08/04/21 14:21
Radium 226		119	pCi/L	117		70	130			
Radium 226 precision (±)		22.6	pCi/L							
Radium 226 MDC		1.22	pCi/L							
Lab ID: C21070507-008ADUP	3	Sample Duplicate								
										Run: G542M_210728B 08/04/21 14:21
Radium 226		1.01	pCi/L					130	20	UR
Radium 226 precision (±)		0.670	pCi/L							
Radium 226 MDC		1.20	pCi/L							

- Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than the limit of 2, the RER result is 0.64.

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: C21070507

Report Date: 08/05/21

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0										Batch: 63150
Lab ID: LCS-63150	3	Laboratory Control Sample					Run: TRICARB LSC_210721A			08/02/21 01:09
Lead 210		180	pCi/L		104	60	130			
Lead 210 precision (±)		54.8	pCi/L							
Lead 210 MDC		15.3	pCi/L							
Lab ID: MB-63150	3	Method Blank					Run: TRICARB LSC_210721A			08/02/21 02:11
Lead 210		0.9	pCi/L							U
Lead 210 precision (±)		2	pCi/L							
Lead 210 MDC		4	pCi/L							
Lab ID: C21070498-001ADUP	3	Sample Duplicate					Run: TRICARB LSC_210721A			08/02/21 09:34
Lead 210		0.0000190	pCi/L					2.1	20	
Lead 210 precision (±)		5.68E-06	pCi/L							
Lead 210 MDC		6.24E-07	pCi/L							

Qualifiers:

RL - Analyte Reporting Limit

U - Not detected at Minimum Detectable Concentration (MDC)

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Energy Fuels Resources (USA) Inc

C21070507

Login completed by: Kirsten L. Smith

Date Received: 7/13/2021

Reviewed by: Misty Stephens

Received by: saa

Reviewed Date: 7/14/2021

Carrier name: NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	23.2°C No Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

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.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

C21070507



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 2021	Tanner Holliday		<i>Tanner Holliday</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
BHV-1	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-2	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-4	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-5	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-6	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-7	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
BHV-8	4/5/2021 - 6/28/2021	NA	U-NAT, TH-230, Ra-226, Pb-210, TH-232
Blanks	4/5/2021 - 6/28/2021	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 7/9/2021 1100	Received By: (Signature) <i>[Signature]</i>	Date/Time 7/13/21 12:16
Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Date/Time

BHV-1		Energy Fuels Resources - White Mesa Mill Period: April 5, 2021 - June 28, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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)	Filter Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Percent Onstream (%)	
1	9647009	4/5/2021	4/12/2021	2513.87	2681.82	10077.0	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9621.4	4.4686	4.6572	188.6	0.0196	100.0	
2	9647001	4/12/2021	4/19/2021	2681.82	2853.15	10279.8	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9862.1	4.5315	4.8225	291.0	0.0295	102.0	
3	9674993	4/19/2021	4/26/2021	2853.15	3017.6	9867.0	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9124.2	4.4405	4.7978	357.3	0.0392	97.9	
4	9674985	4/26/2021	5/3/2021	3017.6	3187.14	10172.4	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9384.9	4.4347	4.5877	153.0	0.0163	100.9	
5	9674977	5/3/2021	5/10/2021	3187.14	3354.38	10034.4	4.0	4.0	4.0	15.9	289.0	618.01	1.10	0.92	32.55	9249.7	4.4338	4.6145	180.7	0.0195	99.5	
6	9674969	5/10/2021	5/17/2021	3354.38	3521.81	10045.8	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9244.4	4.4404	4.6223	181.9	0.0197	99.7	
7	9674961	5/17/2021	5/24/2021	3521.81	3689.6	10067.4	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9537.7	4.4122	4.8798	467.6	0.0490	99.9	
8	9674953	5/24/2021	6/1/2021	3689.6	3882.38	11566.8	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10948.0	4.4432	4.6798	236.6	0.0216	114.8	
9	9674945	6/1/2021	6/7/2021	3882.38	4026.1	8623.2	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7841.1	4.4163	4.6772	260.9	0.0333	85.5	
10	9674937	6/7/2021	6/14/2021	4026.1	4192.85	10005.0	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9124.7	4.4219	4.6460	224.1	0.0246	99.3	
11	9674929	6/14/2021	6/21/2021	4192.85	4361.58	10123.8	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9142.5	4.4236	4.7336	310.0	0.0339	100.4	
12	9674921	6/21/2021	6/28/2021	4361.58	4530.03	10107.0	4.5	4.0	4.3	22.9	296.0	619.46	1.15	0.94	33.19	9499.2	4.4113	4.5667	155.4	0.0164	100.3	
						Totals	120969.6						13.41	11.16	394.17	112579.9	53.278	56.285	3007.1	0.3225		
						Averages	10080.8	4.2	4.0	4.1	17.9	291.1	617.58792	1.12	0.93	32.85	9381.7	4.440	4.690	250.6	0.0269	100.0
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 5, 2021 - June 28, 2021								Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647008	4/5/2021	4/12/2021	7385.16	7553.17	10080.6	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9624.8	4.4745	4.7317	257.2	0.0267	100.0	
2	9675000	4/12/2021	4/19/2021	7553.17	7725.3	10327.8	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9908.2	4.4481	4.7868	338.7	0.0342	102.5	
3	9674992	4/19/2021	4/26/2021	7725.3	7889.02	9823.2	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9083.7	4.4471	4.6664	219.3	0.0241	97.5	
4	9674984	4/26/2021	5/3/2021	7889.02	8058.29	10156.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9370.0	4.4201	4.6512	231.1	0.0247	100.8	
5	9674976	5/3/2021	5/10/2021	8058.29	8226.42	10087.8	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9584.8	4.4087	4.6485	239.8	0.0250	100.1	
6	9674968	5/10/2021	5/17/2021	8226.42	8393.8	10042.8	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9241.6	4.4521	4.7150	262.9	0.0284	99.6	
7	9674960	5/17/2021	5/24/2021	8393.8	8561.57	10066.2	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9536.6	4.4258	5.0576	631.8	0.0663	99.9	
8	9674952	5/24/2021	6/1/2021	8561.57	8754.41	11570.4	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10951.4	4.4636	4.8173	353.7	0.0323	114.8	
9	9674944	6/1/2021	6/7/2021	8754.41	8897.49	8584.8	4.5	4.0	4.3	23.8	296.9	617.91	1.15	0.94	33.10	8046.2	4.4275	4.6355	208.0	0.0259	85.2	
10	9674936	6/7/2021	6/14/2021	8897.49	9064.21	10003.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9123.0	4.4289	4.7415	312.6	0.0343	99.2	
11	9674928	6/14/2021	6/21/2021	9064.21	9233.58	10162.2	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9177.2	4.4266	4.8551	428.5	0.0467	100.8	
12	9674920	6/21/2021	6/28/2021	9233.58	9401.98	10104.0	4.5	4.0	4.3	22.9	296.0	619.46	1.15	0.94	33.19	9496.4	4.3821	4.6210	238.9	0.0252	100.2	
						Totals	121009.2						13.48	11.22	396.16	113143.9	53.205	56.928	3722.5	0.3937		
						Averages	10084.1	4.3	4.0	4.1	17.9	291.1	617.58792	1.12	0.93	33.01	9428.7	4.434	4.744	310.2	0.0328	100.0
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 5, 2021 - June 28, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647007	4/5/2021	4/12/2021	31629.24	31798.49	10155.0	4.0	4.0	4.0	12.1	285.2	615.87	1.09	0.93	32.71	9406.6	4.4638	4.6401	176.3	0.0187	100.7		
2	9674999	4/12/2021	4/19/2021	31798.49	31970.36	10312.2	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9598.1	4.4470	4.6679	220.9	0.0230	102.3		
3	9674991	4/19/2021	4/26/2021	31970.36	32133.13	9766.2	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9308.7	4.4337	4.6670	233.3	0.0251	96.9		
4	9674983	4/26/2021	5/3/2021	32133.13	32302.24	10146.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9361.1	4.4176	4.5325	114.9	0.0123	100.7		
5	9674975	5/3/2021	5/10/2021	32302.24	32469.92	10060.8	3.5	4.0	3.8	15.9	289.0	618.01	1.06	0.89	31.52	8979.8	4.4420	4.5905	148.5	0.0165	99.8		
6	9674967	5/10/2021	5/17/2021	32469.92	32637.31	10043.4	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9242.2	4.4342	4.6163	182.1	0.0197	99.6		
7	9674959	5/17/2021	5/24/2021	32637.31	32805.2	10073.4	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9543.4	4.4270	4.7835	356.5	0.0374	99.9		
8	9674951	5/24/2021	6/1/2021	32805.2	32997.92	11563.2	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10944.5	4.4425	4.5735	131.0	0.0120	114.7		
9	9674943	6/1/2021	6/7/2021	32997.92	33141.69	8626.2	3.5	4.0	3.8	23.8	296.9	617.91	1.08	0.88	31.09	7595.0	4.4321	4.6008	168.7	0.0222	85.6		
10	9674935	6/7/2021	6/14/2021	33141.69	33308.36	10000.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9120.3	4.4389	4.6013	162.4	0.0178	99.2		
11	9674927	6/14/2021	6/21/2021	33308.36	33477.1	10124.4	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9143.1	4.4163	4.6450	228.7	0.0250	100.4		
12	9674919	6/21/2021	6/28/2021	33477.1	33645.63	10111.8	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8927.7	4.4036	4.5425	138.9	0.0156	100.3		
						Totals	120983.4								13.24	11.02	389.10	111170.3	53.199	55.461	2262.2	0.2452	
						Averages	10082.0	4.0	4.0	4.0	17.9	291.1	617.58792	1.10	0.92	32.42	9264.2	4.433	4.622	188.5	0.0204	100.0	
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 5, 2021 - June 28, 2021					Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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)	Qt Std. Flow (SCFM) (ft ³ /min)	Total Std. Volume (m ³)	Tare Weight (g)	Gross Weight (g)	Net Weight (mg)	Loading (mg/m ³)	Purity (Onstream) (%)	
1	9647006	4/5/2021	4/12/2021	24862.31	25031.62	10158.6	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9699.3	4.5184	4.6953	176.9	0.0182	100.8	
2	9674998	4/12/2021	4/19/2021	25031.62	25203.47	10311.0	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9597.0	4.4437	4.7412	297.5	0.0310	102.3	
3	9674990	4/19/2021	4/26/2021	25203.47	25366.25	9766.8	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9309.2	4.4246	4.7165	291.9	0.0314	96.9	
4	9674982	4/26/2021	5/3/2021	25366.25	25535.32	10144.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9358.9	4.4100	4.6045	194.5	0.0208	100.6	
5	9674974	5/3/2021	5/10/2021	25535.32	25703.01	10061.4	4.0	4.0	4.0	15.9	289.0	618.01	1.10	0.92	32.55	9274.6	4.4372	4.5776	140.4	0.0151	99.8	
6	9674966	5/10/2021	5/17/2021	25703.01	25870.42	10044.6	3.5	4.0	3.8	17.0	290.1	618.31	1.07	0.89	31.47	8950.0	4.4210	4.5769	155.9	0.0174	99.6	
7	9674958	5/17/2021	5/24/2021	25870.42	26038.29	10072.2	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9257.6	4.4219	5.1145	692.6	0.0748	99.9	
8	9674950	5/24/2021	6/1/2021	26038.29	26231.02	11563.8	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10945.1	4.4222	4.6236	201.4	0.0184	114.7	
9	9674942	6/1/2021	6/7/2021	26231.02	26374.83	8628.6	4.5	4.0	4.3	23.8	296.9	617.91	1.15	0.94	33.10	8087.3	4.4316	4.5872	155.6	0.0192	85.6	
10	9674934	6/7/2021	6/14/2021	26374.83	26541.48	9999.0	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9119.2	4.4264	4.6136	187.2	0.0205	99.2	
11	9674926	6/14/2021	6/21/2021	26541.48	26710.22	10124.4	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9424.2	4.4268	4.7013	274.5	0.0291	100.4	
12	9674918	6/21/2021	6/28/2021	26710.22	26878.73	10110.6	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8926.6	4.4204	4.5733	152.9	0.0171	100.3	
						Totals	120985.2						13.34	11.10	392.09	111949.0	53.204	56.126	2921.3	0.3132		
						Averages	10082.1	4.1	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.67	9329.1	4.434	4.677	243.4	0.0261	100.0
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.																						
												* Time indicator reset after 10000 on 6/4/18. A negative number was inserted on the start time to compensate for the meter rolling over after 10,000.										

BHV-6		Energy Fuels Resources - White Mesa Mill Period: April 5, 2021 - June 28, 2021										Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647005	4/5/2021	4/12/2021	13595.8	13765.07	10156.2	4.0	4.0	4.0	12.1	285.2	615.87	1.09	0.93	32.71	9407.7	4.5275	4.7339	206.4	0.0219	100.8	
2	9674997	4/12/2021	4/19/2021	13765.07	13936.9	10309.8	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9595.8	4.4359	4.7064	270.5	0.0282	102.3	
3	9674989	4/19/2021	4/26/2021	13936.9	14099.64	9764.4	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9307.0	4.4272	4.6595	232.3	0.0250	96.9	
4	9674981	4/26/2021	5/3/2021	14099.64	14268.85	10152.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9366.7	4.4273	4.6105	183.2	0.0196	100.7	
5	9674973	5/3/2021	5/10/2021	14268.85	14436.42	10054.2	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9552.9	4.4459	4.6096	163.7	0.0171	99.7	
6	9674965	5/10/2021	5/17/2021	14436.42	14603.83	10044.6	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9243.3	4.4315	4.6545	223.0	0.0241	99.6	
7	9674957	5/17/2021	5/24/2021	14603.83	14771.68	10071.0	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9541.1	4.4389	4.8390	400.1	0.0419	99.9	
8	9674949	5/24/2021	6/1/2021	14771.68	14964.39	11562.6	4.0	4.0	4.0	18.6	291.8	619.20	1.10	0.92	32.43	10617.5	4.4278	4.5817	153.9	0.0145	114.7	
9	9674941	6/1/2021	6/7/2021	14964.39	15108.12	8623.8	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7841.6	4.4210	4.5982	177.2	0.0226	85.6	
10	9674933	6/7/2021	6/14/2021	15108.12	15271.1	9778.8	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	8918.4	4.4277	4.5537	126.0	0.0141	97.0	
11	9674925	6/14/2021	6/21/2021	0	167.8	10068.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9371.7	4.4181	4.6857	267.6	0.0286	99.9	
12	9674917	6/21/2021	6/28/2021	167.8	336.32	10111.2	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8927.1	4.4189	4.5804	161.5	0.0181	100.3	
						Totals	120697.2						13.34	11.10	392.13	111690.9	53.248	55.813	2565.4	0.2757		
						Averages	10058.1	4.1	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.68	9307.6	4.437	4.651	213.8	0.0230	99.8
Comments: Replaced the time indicator on 6/14/2021																						
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: April 5, 2021 - June 28, 2021										Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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)	Qb 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	9647004	4/5/2021	4/12/2021	6546.22	6714.25	10081.8	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9625.9	4.5365	4.7462	209.7	0.0218	100.0	
2	9674996	4/12/2021	4/19/2021	6714.25	6886.05	10308.0	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9889.2	4.4617	4.8345	372.8	0.0377	102.3	
3	9674988	4/19/2021	4/26/2021	6886.05	6994.03	6478.8	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	5991.0	4.4225	4.6892	266.7	0.0445	64.3	
4	9674980	4/26/2021	5/3/2021	0	168.92	10135.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9350.6	4.4286	4.6135	184.9	0.0198	100.5	
5	9674972	5/3/2021	5/10/2021	168.92	336.22	10038.0	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9537.5	4.4296	4.6400	210.4	0.0221	99.6	
6	9674964	5/10/2021	5/17/2021	336.22	503.66	10046.4	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9244.9	4.4260	4.6308	204.8	0.0222	99.7	
7	9674956	5/17/2021	5/24/2021	503.66	671.46	10068.0	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9253.7	4.4296	4.9438	514.2	0.0556	99.9	
8	9674948	5/24/2021	6/1/2021	671.46	864.16	11562.0	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10943.4	4.4265	4.6435	217.0	0.0198	114.7	
9	9674940	6/1/2021	6/7/2021	864.16	1008.01	8631.0	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7848.2	4.4149	4.6450	230.1	0.0293	85.6	
10	9674932	6/7/2021	6/14/2021	1008.01	1174.75	10004.4	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9124.1	4.4282	4.6668	238.6	0.0262	99.3	
11	9674924	6/14/2021	6/21/2021	1174.75	1343.4	10119.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9419.2	4.4210	4.7709	349.9	0.0371	100.4	
12	9674916	6/21/2021	6/28/2021	1343.4	1511.91	10110.6	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8926.6	4.4254	4.6123	186.9	0.0209	100.3	
						Totals	117583.2						13.38	11.13	393.14	109154.5	53.251	56.437	3186.0	0.3569		
						Averages	9798.6	4.2	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.76	9096.2	4.438	4.703	265.5	0.0297	97.2
Comments: 4/26/2021 Time indicator was found broken. Time indicator was replaced.																						
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: April 5, 2021 - June 28, 2021					Calibration Date: ##### Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647003	4/5/2021	4/12/2021	22779.2	22947.23	10081.8	3.5	4.0	3.8	12.1	285.2	615.87	1.06	0.90	31.67	9042.5	4.5564	4.7670	210.6	0.0233	100.0		
2	9674995	4/12/2021	4/19/2021	22947.23	23118.6	10282.2	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9570.2	4.4564	4.7608	304.4	0.0318	102.0		
3	9674987	4/19/2021	4/26/2021	23118.6	23283.04	9866.4	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9123.6	4.4135	4.7136	300.1	0.0329	97.9		
4	9674979	4/26/2021	5/3/2021	23283.04	23452.55	10170.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9383.3	4.4285	4.6258	197.3	0.0210	100.9		
5	9674971	5/3/2021	5/10/2021	23452.55	23619.76	10032.6	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9532.4	4.4340	4.6602	226.2	0.0237	99.5		
4	9674963	5/10/2021	5/17/2021	23619.76	23787.2	10046.4	4.5	4.0	4.3	17.0	290.1	618.31	1.14	0.95	33.50	9529.2	4.4330	4.7470	314.0	0.0330	99.7		
7	9674955	5/17/2021	5/24/2021	23787.2	23954.99	10067.4	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9253.2	4.4300	4.9292	499.2	0.0539	99.9		
8	9674947	5/24/2021	6/1/2021	23954.99	24147.71	11563.2	4.0	4.0	4.0	18.6	291.8	619.20	1.10	0.92	32.43	10618.0	4.4188	4.6132	194.4	0.0183	114.7		
9	9674939	6/1/2021	6/7/2021	24147.71	24291.5	8627.4	3.5	4.0	3.8	23.8	296.9	617.91	1.08	0.88	31.09	7596.0	4.4195	4.6355	216.0	0.0284	85.6		
10	9674931	6/7/2021	6/14/2021	24291.5	24458.27	10006.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9125.8	4.4338	4.8112	377.4	0.0414	99.3		
11	9674923	6/14/2021	6/21/2021	24458.27	24626.97	10122.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9422.0	4.4172	4.6710	253.8	0.0269	100.4		
12	9674915	6/21/2021	6/28/2021	24626.97	24795.46	10109.4	4.0	4.0	4.0	22.9	296.0	619.46	1.11	0.91	32.20	9218.0	4.4228	4.5591	136.3	0.0148	100.3		
						Totals	120975.6								13.27	11.05	390.09	111414.2	53.264	56.494	3229.7	0.3495	
						Averages	10081.3	4.0	4.0	4.0	17.9	291.1	617.58792	1.11	0.92	32.51	9284.5	4.439	4.708	269.1	0.0291	100.0	
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.																							

Blanks

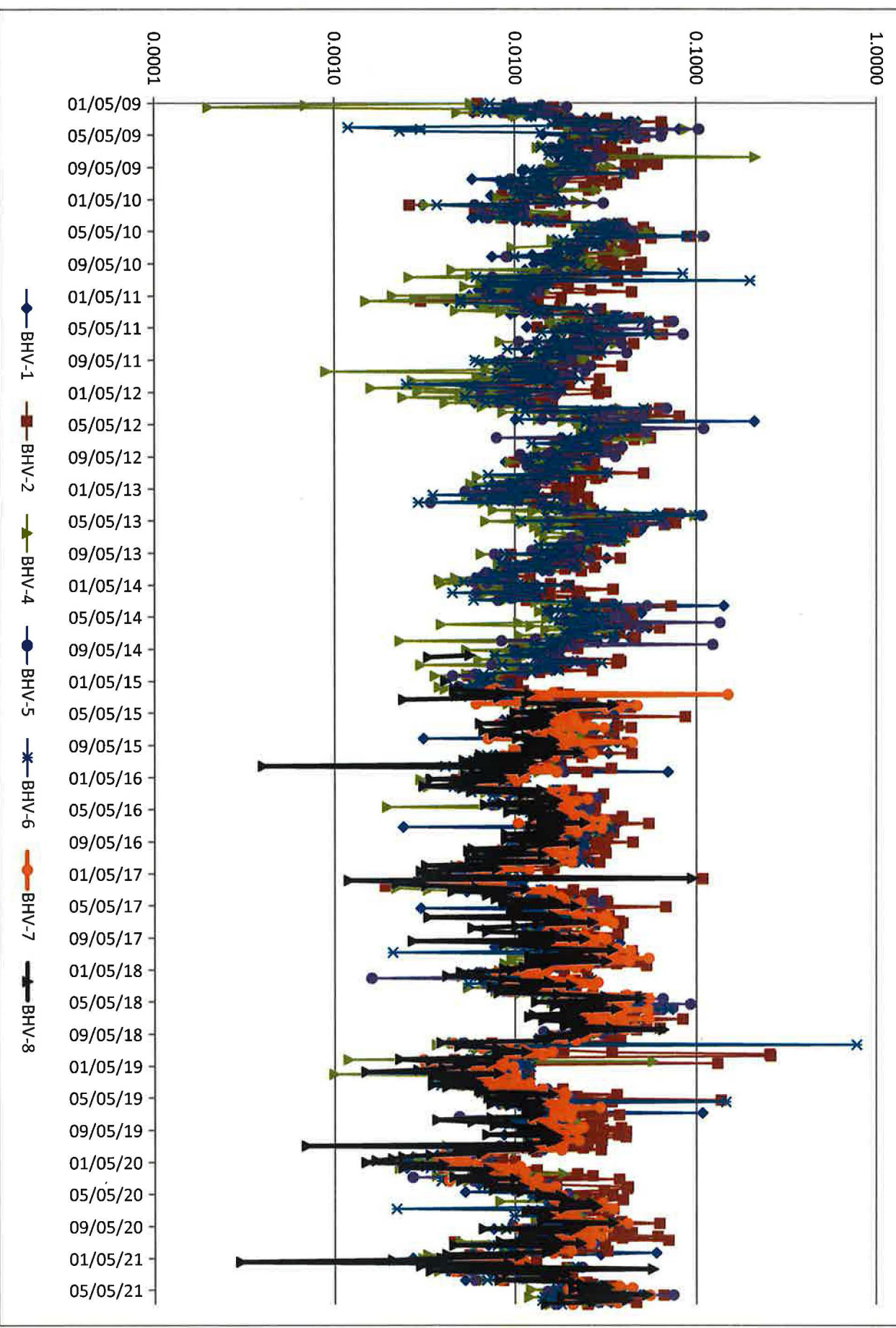
Period: April 5, 2021 - June 28, 2021

Week #	Filter Number	Start Date	Stop Date	Net
1	9647002	05-Apr-21	12-Apr-21	4.5247
2	9674994	12-Apr-21	19-Apr-21	4.4495
3	9674986	19-Apr-21	26-Apr-21	4.4363
4	9674978	26-Apr-21	03-May-21	4.4362
5	9674970	03-May-21	10-May-21	4.4197
6	9674962	10-May-21	17-May-21	4.4297
7	9674954	17-May-21	24-May-21	4.4289
8	9674946	24-May-21	01-Jun-21	4.4251
9	9674938	01-Jun-21	07-Jun-21	4.4150
10	9674930	07-Jun-21	14-Jun-21	4.4472
11	9674922	14-Jun-21	21-Jun-21	4.4131
12	9674914	21-Jun-21	28-Jun-21	4.4242
13				
14				
	Totals			

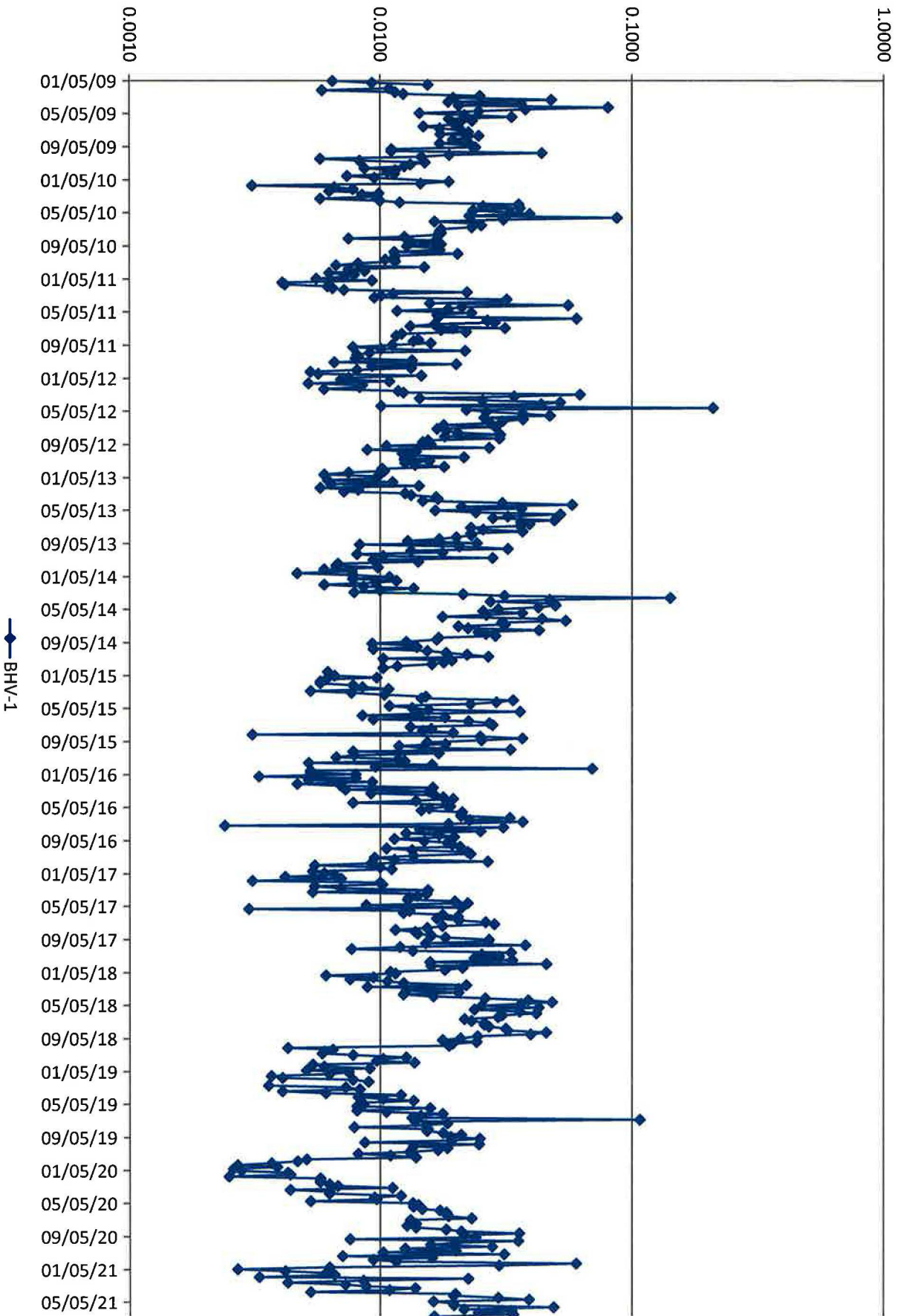
ATTACHMENT D

AIR PARTICULATE LOADING GRAPHS AND SUPPORTING DATA

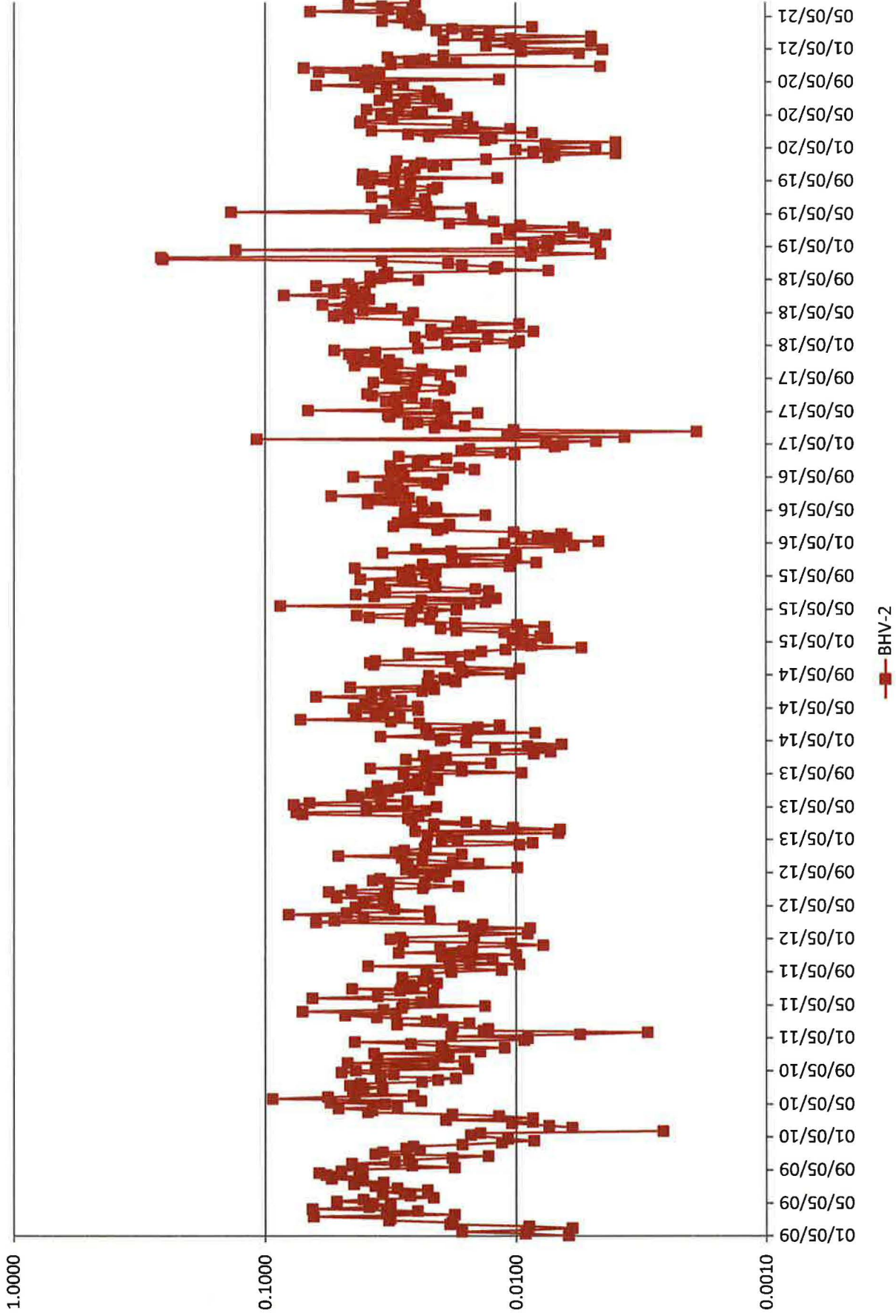
Air Station Particulate Loading (mg/m³)



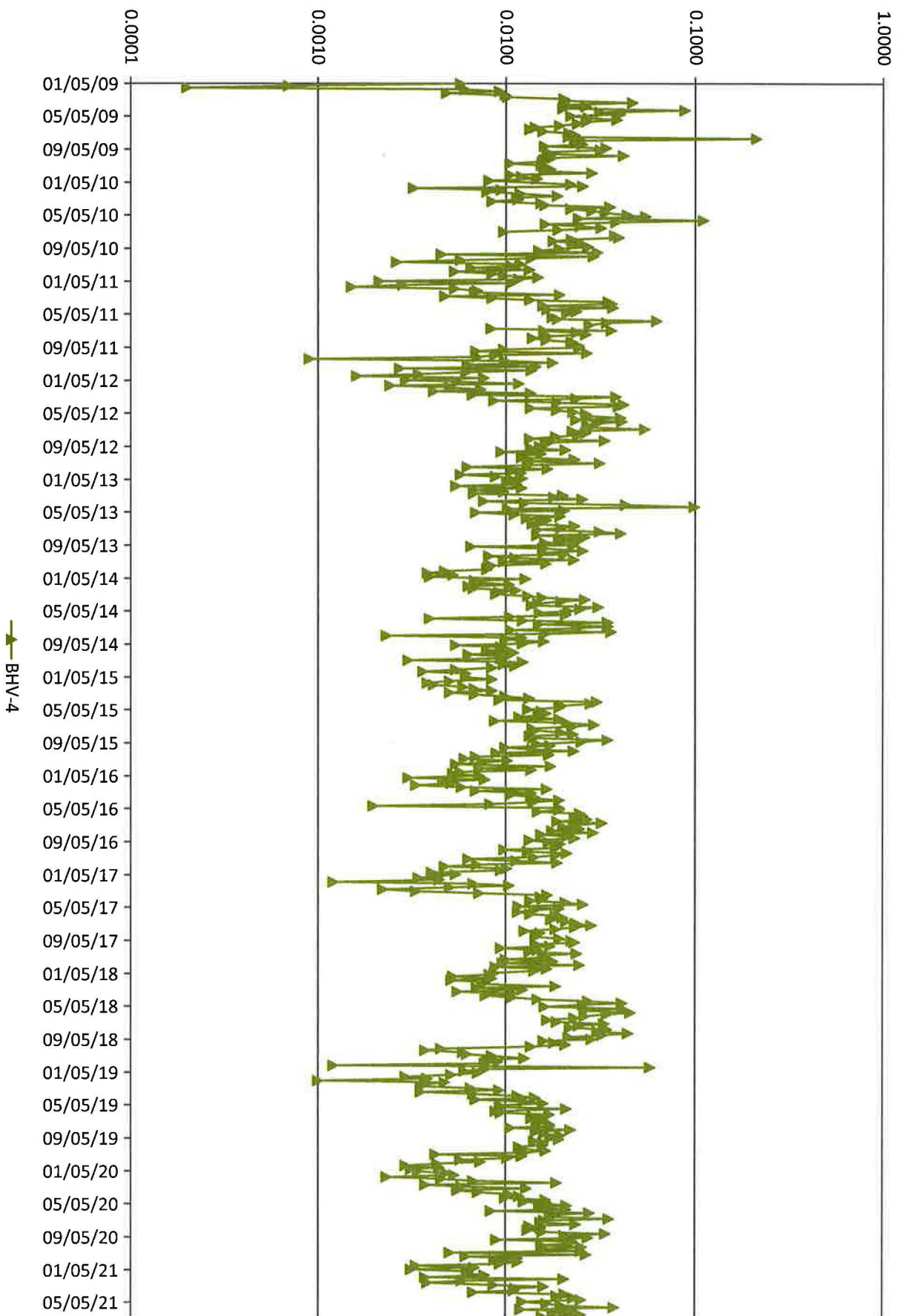
BHV-1 Particulate Loading (mg/m³)



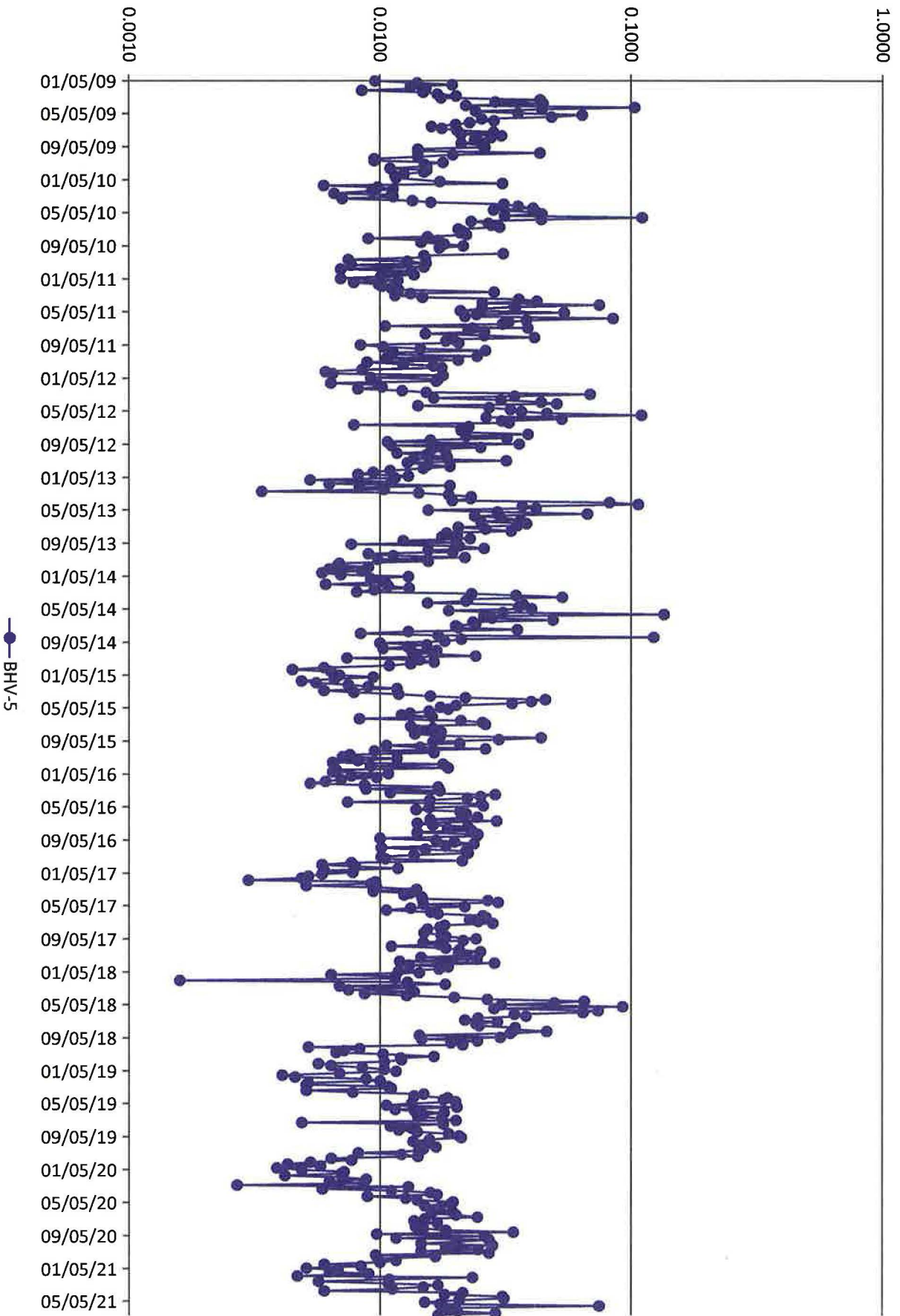
BHV-2 Particulate Loading (mg/m³)



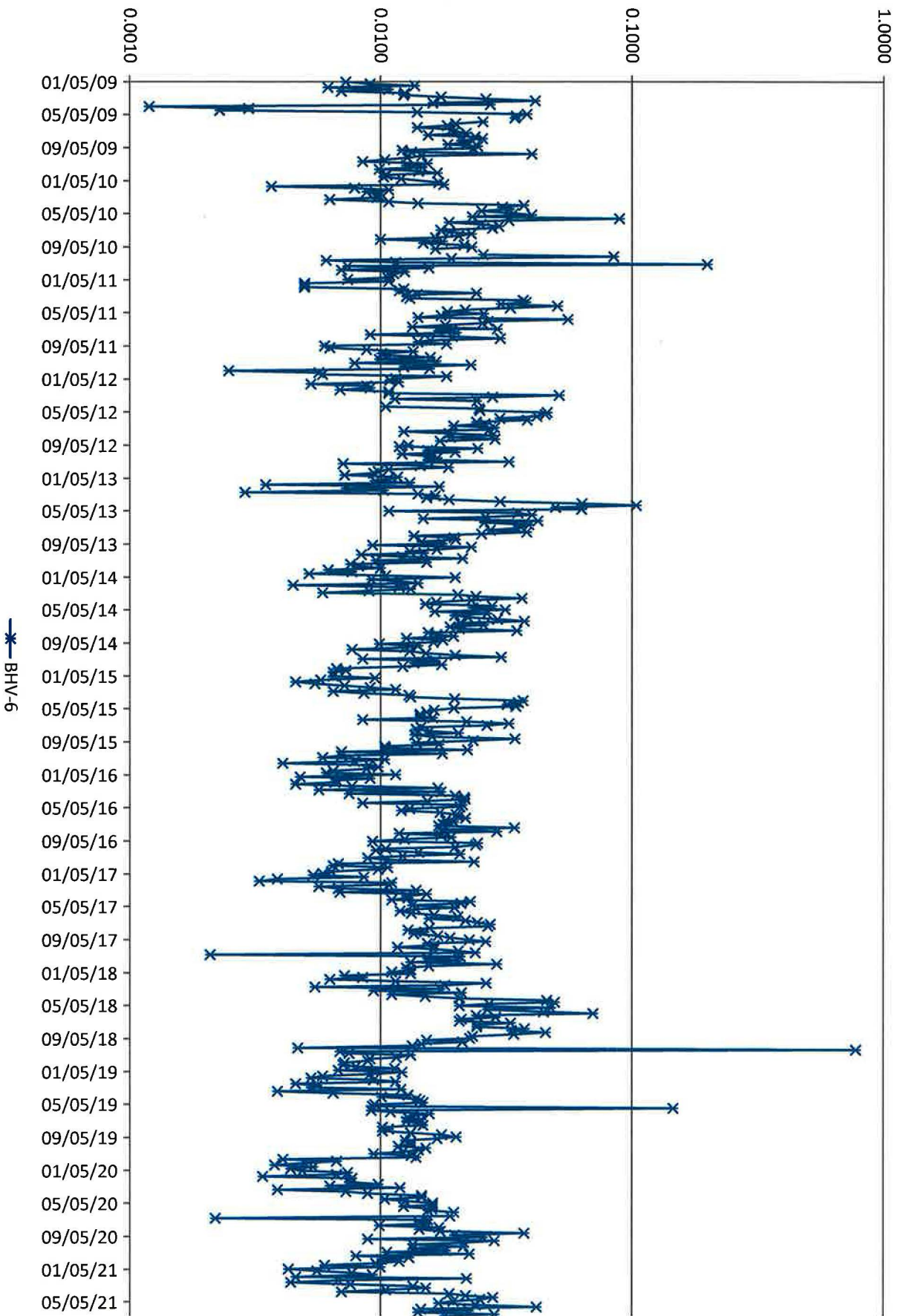
BHV-4 Particulate Loading (mg/m³)



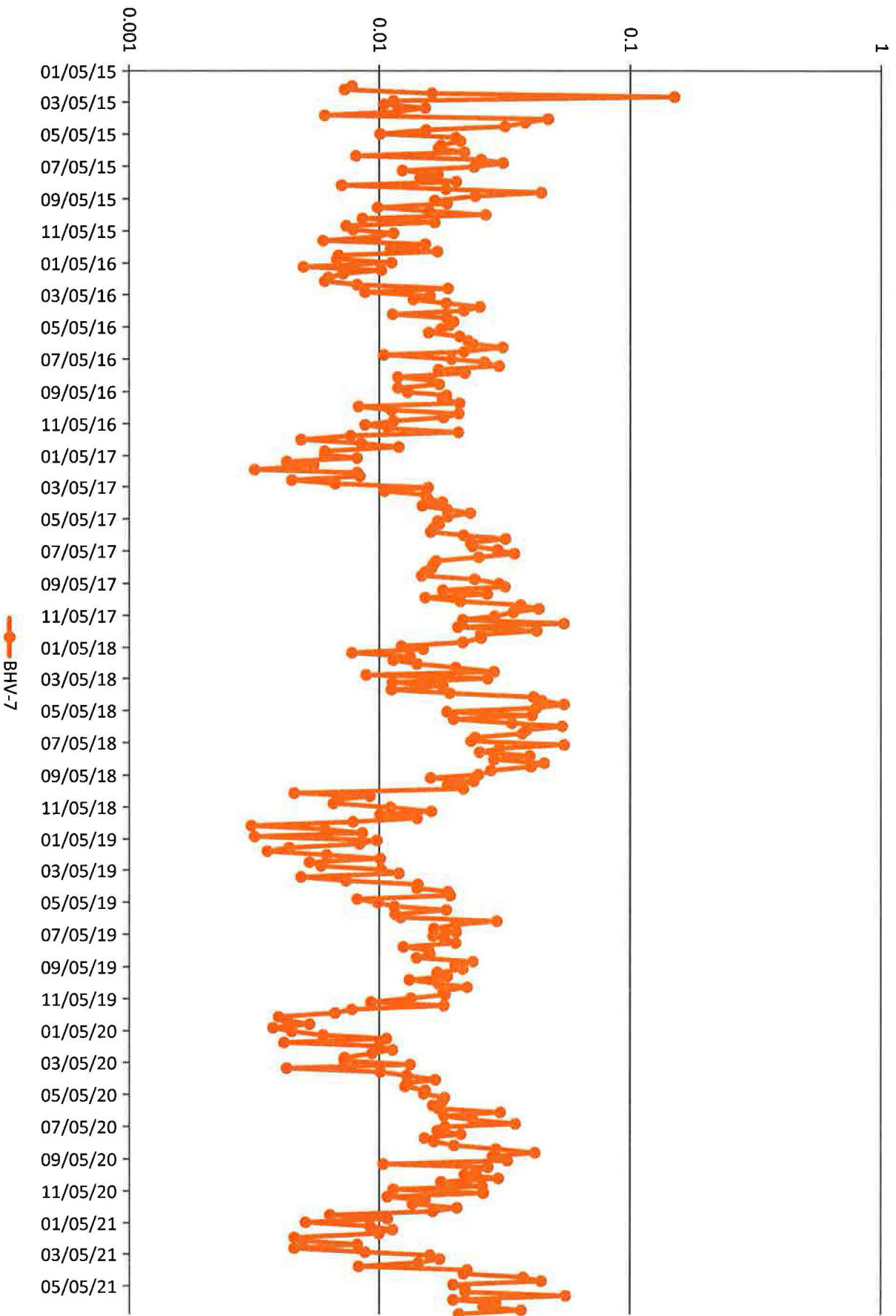
BHV-5 Particulate Loading (mg/m³)



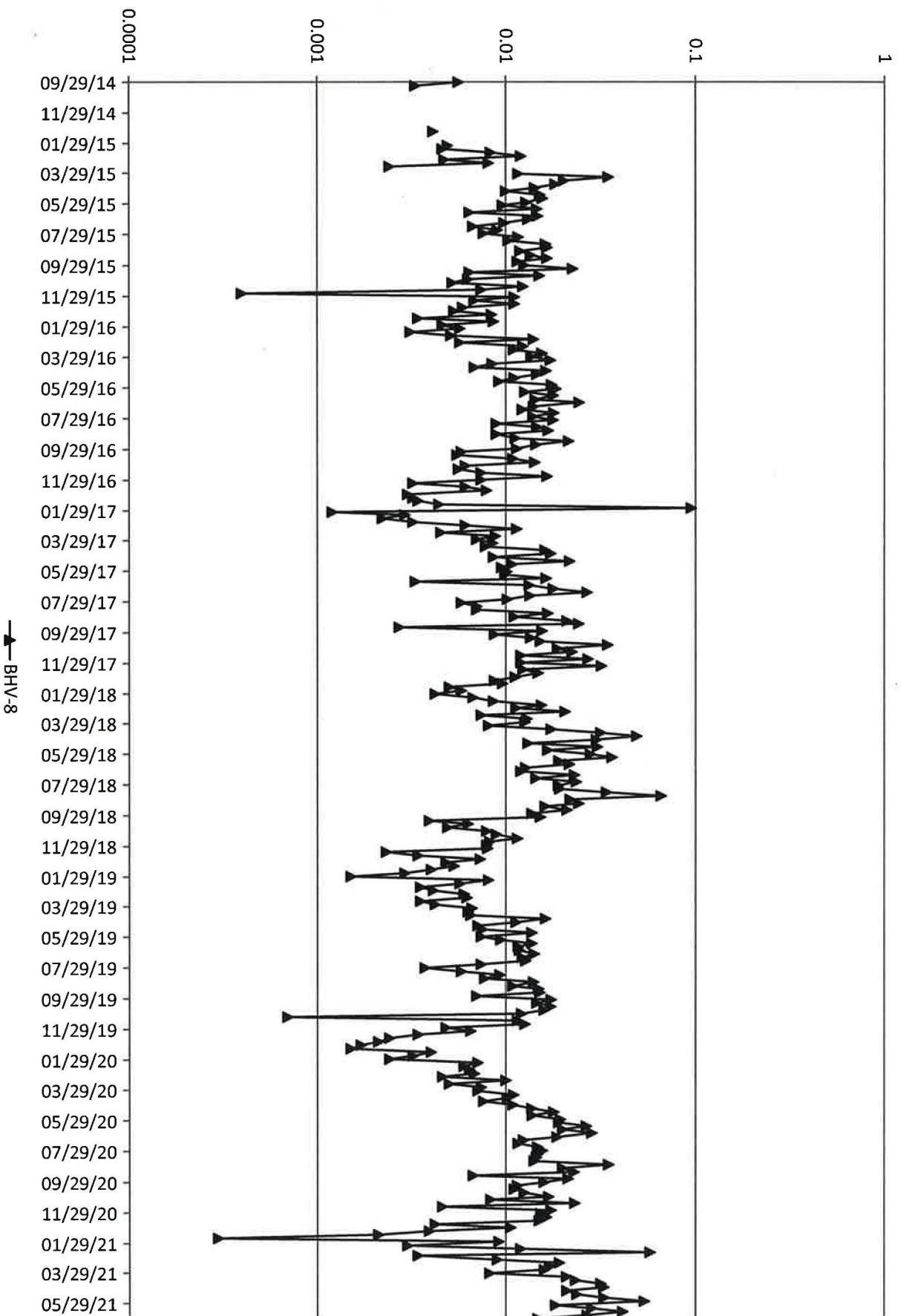
BHV-6 Particulate Loading (mg/m³)



BHV-7 Particulate Loading (mg/m³)



BHV-8 Particulate Loading (mg/m³)



BHV-1		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586613	1/4/2021	1/11/2021	332.01	499.94	10075.8	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9601.2	4.3800	4.4199	39.9	0.0042	100.0
2	9586605	1/11/2021	1/18/2021	499.94	667.04	10026.0	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9536.2	4.3827	4.4413	58.6	0.0061	99.5
3	9647097	1/18/2021	1/25/2021	667.04	835.46	10105.2	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9565.9	4.5325	4.5960	63.5	0.0066	100.3
4	9647089	1/25/2021	2/2/2021	835.46	1028.82	11601.6	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11036.2	4.5428	4.5794	36.6	0.0033	115.1
5	9647076	2/2/2021	2/8/2021	1028.82	1172.15	8599.8	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	8106.8	4.5621	4.7434	181.3	0.0224	85.3
6	9647073	2/8/2021	2/15/2021	1172.15	1343.15	10260.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9644.1	4.5233	4.6064	83.1	0.0086	101.8
7	9647065	2/15/2021	2/22/2021	1343.15	1507.66	9870.6	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9373.7	4.3322	4.3721	39.9	0.0043	97.9
8	9647057	2/22/2021	3/2/2021	1507.66	1700.96	11598.0	4.5	4.0	4.3	1.3	274.5	619.13	1.10	0.98	34.46	11318.1	4.3072	4.3898	82.6	0.0073	115.1
9	9647049	3/2/2021	3/8/2021	1700.96	1866.03	9904.2	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9291.9	4.3574	4.4394	82.0	0.0088	98.3
10	9647041	3/8/2021	3/15/2021	1866.03	2010.21	8650.8	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7867.9	4.3528	4.4613	108.5	0.0138	85.8
11	9647033	3/15/2021	3/22/2021	2010.21	2177.47	10035.6	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9681.2	4.3353	4.4408	105.5	0.0109	99.6
12	9647025	3/22/2021	3/29/2021	2177.47	2346.52	10143.0	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.6	4.4683	4.5188	50.5	0.0053	100.6
13	9647017	3/29/2021	4/5/2021	2346.52	2513.87	10041.0	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9360.1	4.4762	4.6623	186.1	0.0199	99.6
14																					
Totals						130911.6							13.99	12.30	434.20	123923.1	57.553	58.671	1118.1	0.1215	
Averages						10070.1	4.0	4.0	4.0	2.9	276.1	618.513	1.08	0.95	33.40	9532.5	4.427	4.513	86.0	0.0093	99.9
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-2	Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021										Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586612	1/4/2021	1/11/2021	5204.09	5371.28	10031.4	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9558.9	4.3902	4.4810	90.8	0.0095	99.5
2	9586604	1/11/2021	1/18/2021	5371.28	5538.49	10032.6	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9542.5	4.3932	4.5183	125.1	0.0131	99.5
3	9647096	1/18/2021	1/25/2021	5538.49	5706.92	10105.8	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9566.5	4.5785	4.6752	96.7	0.0101	100.3
4	9647083	1/25/2021	2/2/2021	5706.92	5903.91	11819.4	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11243.4	4.5125	4.5688	56.3	0.0050	117.3
5	9647077	2/2/2021	2/8/2021	5903.91	6043.63	8383.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7902.7	4.5314	4.6849	153.5	0.0194	83.2
6	9647072	2/8/2021	2/15/2021	6043.63	6214.58	10257.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9641.3	4.5385	4.6397	101.2	0.0105	101.8
7	9647064	2/15/2021	2/22/2021	6214.58	6379.17	9875.4	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9378.3	4.3591	4.4064	47.3	0.0050	98.0
8	9647056	2/22/2021	3/2/2021	6379.17	6572.13	11577.6	4.5	4.0	4.3	1.3	274.5	619.13	1.10	0.98	34.46	11298.2	4.3618	4.5378	176.0	0.0156	114.9
9	9647048	3/2/2021	3/8/2021	6572.13	6738.05	9955.2	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9339.8	4.3343	4.4529	118.6	0.0127	98.8
10	9647040	3/8/2021	3/15/2021	6738.05	6881.39	8600.4	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7822.1	4.3217	4.4835	161.8	0.0207	85.3
11	9647032	3/15/2021	3/22/2021	6881.39	7048.87	10048.8	4.0	4.0	4.0	6.9	280.1	617.37	1.08	0.94	33.05	9404.7	4.3328	4.5014	168.6	0.0179	99.7
12	9647024	3/22/2021	3/29/2021	7048.87	7217.91	10142.4	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.1	4.4731	4.5554	82.3	0.0086	100.6
13	9647016	3/29/2021	4/5/2021	7217.91	7385.16	10035.0	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9354.5	4.4501	4.6830	232.9	0.0249	99.6
14																					
Totals						130864.2							13.96	12.27	433.19	123591.9	57.577	59.188	1611.1	0.1731	
Averages						10066.5	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.32	9507.1	4.429	4.553	123.9	0.0133	99.9

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, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586611	1/4/2021	1/11/2021	29447.35	29615.26	10074.6	3.5	4.0	3.8	-1.1	272.0	621.61	1.03	0.92	32.58	9295.4	4.4088	4.4673	58.5	0.0063	99.9
2	9586603	1/11/2021	1/18/2021	29615.26	29782.49	10033.8	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9543.6	4.3930	4.4525	59.5	0.0062	99.5
3	9647095	1/18/2021	1/25/2021	29782.49	29950.85	10101.6	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9856.5	4.5658	4.6421	76.3	0.0077	100.2
4	9647088	1/25/2021	2/2/2021	29950.85	30148.59	11864.4	4.5	4.0	4.3	-1.1	272.1	619.56	1.10	0.98	34.63	11633.3	4.5340	4.5769	42.9	0.0037	117.7
5	9647078	2/2/2021	2/8/2021	30148.59	30288.71	8407.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7925.3	4.5034	4.6648	161.4	0.0204	83.4
6	9647071	2/8/2021	2/15/2021	30288.71	30459.76	10263.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9646.9	4.5182	4.5740	55.8	0.0058	101.8
7	9647063	2/15/2021	2/22/2021	30459.76	30623.18	9805.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9311.6	4.3584	4.3937	35.3	0.0038	97.3
8	9647055	2/22/2021	3/2/2021	30623.18	30819.41	11773.8	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10793.3	4.3864	4.4795	93.1	0.0086	116.8
9	9647047	3/2/2021	3/8/2021	30819.41	30981.69	9736.8	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9134.9	4.3407	4.4863	145.6	0.0159	96.6
10	9647039	3/8/2021	3/15/2021	30981.69	31125.45	8625.6	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7845.0	4.3339	4.4228	88.9	0.0113	85.6
11	9647031	3/15/2021	3/22/2021	31125.45	31293	10053.0	3.5	4.0	3.8	6.9	280.1	617.37	1.05	0.91	32.00	9110.2	4.4186	4.5201	101.5	0.0111	99.7
12	9647023	3/22/2021	3/29/2021	31293	31462.03	10141.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9538.5	4.4958	4.5595	63.7	0.0067	100.6
13	9647015	3/29/2021	4/5/2021	31462.03	31629.24	10032.6	4.5	4.0	4.3	10.6	283.7	620.45	1.12	0.96	33.93	9639.9	4.4480	4.6466	198.6	0.0206	99.5
14																					
Totals						130913.4							13.92	12.23	432.06	123274.4	57.705	58.886	1181.1	0.1282	
Averages						10070.3	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.24	9482.6	4.439	4.530	90.9	0.0099	99.9
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, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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)	Q5 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	9586610	1/4/2021	1/11/2021	22680.52	22848.63	10086.6	4.5	4.0	4.3	-1.1	272.0	621.61	1.10	0.98	34.69	9907.0	4.3962	4.4639	67.7	0.0068	100.1	
2	9586602	1/11/2021	1/18/2021	22848.63	23015.85	10033.2	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9543.1	4.4020	4.4619	59.9	0.0063	99.5	
3	9647094	1/18/2021	1/25/2021	23015.85	23184.22	10102.2	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9857.1	4.5323	4.6215	89.2	0.0090	100.2	
4	9647087	1/25/2021	2/2/2021	23184.22	23382.39	11890.2	4.5	4.0	4.3	-1.1	272.1	619.56	1.10	0.98	34.63	11658.6	4.5606	4.6156	55.0	0.0047	118.0	
5	9647079	2/2/2021	2/8/2021	23382.39	23522.11	8383.2	3.5	4.0	3.8	2.9	276.0	617.30	1.04	0.91	32.23	7651.9	4.5482	4.7279	179.7	0.0235	83.2	
6	9647070	2/8/2021	2/15/2021	23522.11	23693.14	10261.8	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9645.8	4.3488	4.4535	104.7	0.0109	101.8	
7	9647062	2/15/2021	2/22/2021	23693.14	23856.57	9805.8	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9312.2	4.3386	4.3913	52.7	0.0057	97.3	
8	9647054	2/22/2021	3/2/2021	23856.57	24052.07	11730.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10753.1	4.3854	4.5010	115.6	0.0108	116.4	
9	9647046	3/2/2021	3/8/2021	24052.07	24214.8	9763.8	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9160.2	4.3256	4.4820	156.4	0.0171	96.9	
10	9647038	3/8/2021	3/15/2021	24214.8	24358.56	8625.6	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8351.2	4.3474	4.4716	124.2	0.0149	85.6	
11	9647030	3/15/2021	3/22/2021	24358.56	24526.13	10054.2	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9699.1	4.4400	4.5484	108.4	0.0112	99.7	
12	9647022	3/22/2021	3/29/2021	24526.13	24695.16	10141.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9538.5	4.4580	4.5156	57.6	0.0060	100.6	
13	9647014	3/29/2021	4/5/2021	24695.16	24862.31	10029.0	3.5	4.0	3.8	10.6	283.7	620.45	1.05	0.90	31.88	9052.3	4.4655	4.6601	194.6	0.0215	99.5	
14																						
						Totals	130907.4							14.02	12.32	435.18	124130.2	57.549	58.914	1365.7	0.1483	
						Averages	10069.8	4.1	4.0	4.0	2.9	276.1	618.513	1.08	0.95	33.48	9548.5	4.427	4.532	105.1	0.0114	99.9
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.																						
												* Time indicator reset after 10000 on 6/4/18. A negative number was inserted on the start time to compensate for the meter rolling over after 10,000.										

BHV-6		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 Orifice S/N: 8091779					First Monitoring Quarter 2014 Updated: 7/30/14									
Week #	Filter Number	Start Date	Stop Date	Start Time	Stop Time	Total Tune (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	9586609	1/4/2021	1/11/2021	11413.58	11581.88	10074.0	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9599.5	4.3915	4.4451	53.6	0.0056	99.9
2	9586601	1/11/2021	1/18/2021	11581.88	11749.09	10032.6	4.0	4.0	4.0	0.5	273.7	623.11	1.07	0.95	33.59	9542.5	4.3830	4.4563	73.3	0.0077	99.5
3	9647093	1/18/2021	1/25/2021	11749.09	11917.51	10105.2	4.5	4.0	4.3	0.6	273.7	617.25	1.10	0.98	34.46	9860.0	4.5414	4.6328	91.4	0.0093	100.3
4	9647086	1/25/2021	2/2/2021	11917.51	12115.56	11883.0	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11303.9	4.5435	4.5952	51.7	0.0046	117.9
5	9647080	2/2/2021	2/8/2021	12115.56	12255.28	8383.2	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	7902.7	4.5353	4.7100	174.7	0.0221	83.2
6	9647069	2/8/2021	2/15/2021	12255.28	12426.33	10263.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9646.9	4.3648	4.4305	65.7	0.0068	101.8
7	9647061	2/15/2021	2/22/2021	12426.33	12589.75	9805.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9311.6	4.3365	4.3775	41.0	0.0044	97.3
8	9647053	2/22/2021	3/2/2021	12589.75	12786.1	11781.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10799.9	4.3248	4.4073	82.5	0.0076	116.9
9	9647045	3/2/2021	3/8/2021	12786.1	12948.26	9729.6	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9128.1	4.3093	4.4323	123.0	0.0135	96.5
10	9647037	3/8/2021	3/15/2021	12948.26	13092.03	8626.2	3.5	4.0	3.8	4.3	277.4	615.95	1.04	0.91	32.12	7845.5	4.3265	4.4461	119.6	0.0152	85.6
11	9647029	3/15/2021	3/22/2021	13092.03	13259.54	10050.6	4.0	4.0	4.0	6.9	280.1	617.37	1.08	0.94	33.05	9406.4	4.4504	4.5490	98.6	0.0105	99.7
12	9647021	3/22/2021	3/29/2021	13259.54	13428.58	10142.4	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9539.1	4.5028	4.5695	66.7	0.0070	100.6
13	9647013	3/29/2021	4/5/2021	13428.58	13595.8	10033.2	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9352.9	4.4487	4.6259	177.2	0.0189	99.5
14																					
Totals						130909.2							13.93	12.24	432.13	123239.0	57.459	58.678	1219.0	0.1332	
Averages						10069.9	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.24	9479.9	4.420	4.514	93.8	0.0102	99.9
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-7		Energy Fuels Resources - White Mesa Mill Period: January 4, 2021 - April 5, 2021									Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586608	1/4/2021	1/11/2021	4364.22	4532.27	10083.0	4.0	4.0	4.0	-1.1	272.0	621.61	1.06	0.95	33.65	9608.0	4.3980	4.4861	88.1	0.0092	100.0
2	9647100	1/11/2021	1/18/2021	4532.27	4699.46	10031.4	4.5	4.0	4.3	0.5	273.7	623.11	1.10	0.98	34.62	9834.7	4.7175	4.8285	111.0	0.0113	99.5
3	9647092	1/18/2021	1/25/2021	4699.46	4867.88	10105.2	4.0	4.0	4.0	0.6	273.7	617.25	1.07	0.95	33.43	9565.9	4.5245	4.6201	95.6	0.0100	100.3
4	9647085	1/25/2021	2/2/2021	4867.88	5060.7	11569.2	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	11005.4	4.5172	4.5677	50.5	0.0046	114.8
5	9647081	2/2/2021	2/8/2021	5060.7	5204.6	8634.0	4.5	4.0	4.3	2.9	276.0	617.30	1.11	0.97	34.31	8389.4	4.5303	4.5725	42.2	0.0050	85.7
6	9647068	2/8/2021	2/15/2021	5204.6	5375.55	10257.0	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9641.3	4.3573	4.4368	79.5	0.0082	101.8
7	9647060	2/15/2021	2/22/2021	5375.55	5540.12	9874.2	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9377.1	4.3334	4.3764	43.0	0.0046	98.0
8	9647052	2/22/2021	3/2/2021	5540.12	5733.42	11598.0	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10632.1	4.3310	4.4250	94.0	0.0088	115.1
9	9647044	3/2/2021	3/8/2021	5733.42	5898.46	9902.4	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9290.3	4.3546	4.5032	148.6	0.0160	98.2
10	9647036	3/8/2021	3/15/2021	5898.46	6042.46	8640.0	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8365.1	4.3615	4.5079	146.4	0.0175	85.7
11	9647028	3/15/2021	3/22/2021	6042.46	6209.89	10045.8	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9691.0	4.4258	4.5651	139.3	0.0144	99.7
12	9647020	3/22/2021	3/29/2021	6209.89	6378.96	10144.2	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9540.8	4.4545	4.5338	79.3	0.0083	100.6
13	9647012	3/29/2021	4/5/2021	6378.96	6546.22	10035.6	4.0	4.0	4.0	10.6	283.7	620.45	1.09	0.93	32.92	9355.1	4.4785	4.6895	211.0	0.0226	99.6
14																					
Totals						130920.0							14.06	12.35	436.24	124296.3	57.784	59.113	1328.5	0.1405	
Averages						10070.8	4.1	4.0	4.1	2.9	276.1	618.513	1.08	0.95	33.56	9561.3	4.445	4.547	102.2	0.0108	99.9
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, 2021 - April 5, 2021								Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9586607	1/4/2021	1/11/2021	20597.39	20765.33	10076.4	4.5	4.0	4.3	-1.1	272.0	621.61	1.10	0.98	34.69	9897.0	4.3785	4.3991	20.6	0.0021	100.0
2	9647099	1/11/2021	1/18/2021	20765.33	20932.5	10030.2	3.0	4.0	3.5	0.5	273.7	623.11	1.00	0.89	31.42	8924.6	4.7208	4.7234	2.6	0.0003	99.5
3	9647091	1/18/2021	1/25/2021	20932.5	21100.92	10105.2	3.0	4.0	3.5	0.6	273.7	617.25	1.00	0.89	31.27	8948.6	4.5165	4.5988	82.3	0.0092	100.2
4	9647084	1/25/2021	2/2/2021	21100.92	21293.26	11540.4	4.0	4.0	4.0	-1.1	272.1	619.56	1.07	0.95	33.59	10978.0	4.5259	4.5583	32.4	0.0030	114.5
5	9647082	2/2/2021	2/8/2021	21293.26	21437.57	8658.6	4.0	4.0	4.0	2.9	276.0	617.30	1.08	0.94	33.29	8162.3	4.5211	4.6189	97.8	0.0120	85.9
4	9647067	2/8/2021	2/15/2021	21437.57	21608.55	10258.8	4.0	4.0	4.0	3.1	276.3	614.27	1.08	0.94	33.20	9643.0	4.3660	4.9223	556.3	0.0577	101.8
7	9647059	2/15/2021	2/22/2021	21608.55	21773.11	9873.6	4.0	4.0	4.0	-0.8	272.3	618.06	1.07	0.95	33.54	9376.6	4.3446	4.3765	31.9	0.0034	98.0
8	9647051	2/22/2021	3/2/2021	21773.11	21966.67	11613.6	3.5	4.0	3.8	1.3	274.5	619.13	1.04	0.92	32.37	10646.4	4.3761	4.4714	95.3	0.0090	115.2
9	9647043	3/2/2021	3/8/2021	21966.67	22131.46	9887.4	4.0	4.0	4.0	6.9	280.0	620.24	1.08	0.94	33.13	9276.2	4.3369	4.5146	177.7	0.0192	98.1
10	9647035	3/8/2021	3/15/2021	22131.46	22275.61	8649.0	4.5	4.0	4.3	4.3	277.4	615.95	1.11	0.97	34.19	8373.8	4.3472	4.4893	142.1	0.0170	85.8
11	9647027	3/15/2021	3/22/2021	22275.61	22442.86	10035.0	4.5	4.0	4.3	6.9	280.1	617.37	1.12	0.96	34.07	9680.6	4.4661	4.6214	155.3	0.0160	99.6
12	9647019	3/22/2021	3/29/2021	22442.86	22611.94	10144.8	4.0	4.0	4.0	3.7	276.9	616.38	1.08	0.94	33.21	9541.3	4.4555	4.5337	78.2	0.0082	100.6
13	9647011	3/29/2021	4/5/2021	22611.94	22779.2	10035.6	4.5	4.0	4.3	10.6	283.7	620.45	1.12	0.96	33.93	9642.8	4.4757	4.6775	201.8	0.0209	99.6
14																					
Totals						130908.6							13.92	12.23	431.91	123091.2	57.831	59.505	1674.3	0.1778	
Averages						10069.9	4.0	4.0	4.0	2.9	276.1	618.513	1.07	0.94	33.22	9468.6	4.449	4.577	128.8	0.0137	99.9
Comments: 2/15/2021 - Heavy traffic stirred up dust causing such a heavy gross weight.																					
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, 2021 - April 5, 2021		
Week #	Filter Number	Start Date	Stop Date	Net
1	9586606	04-Jan-21	11-Jan-21	4.3905
2	9647098	11-Jan-21	18-Jan-21	4.7186
3	9647090	18-Jan-21	25-Jan-21	4.5372
4	9647075	25-Jan-21	02-Feb-21	4.5273
5	9647074	02-Feb-21	08-Feb-21	4.5504
6	9647066	08-Feb-21	15-Feb-21	4.3207
7	9647058	15-Feb-21	22-Feb-21	4.3300
8	9647050	22-Feb-21	02-Mar-21	4.3774
9	9647042	02-Mar-21	08-Mar-21	4.3547
10	9647034	08-Mar-21	15-Mar-21	4.3378
11	9647026	15-Mar-21	22-Mar-21	4.4417
12	9647018	22-Mar-21	29-Mar-21	4.4206
13	9647010	29-Mar-21	05-Apr-21	4.4682
14				
Totals				

BHV-1				Energy Fuels Resources - White Mesa Mill Period: April 5, 2021 - June 28, 2021								Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647009	4/5/2021	4/12/2021	2513.87	2681.82	10077.0	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9621.4	4.4686	4.6572	188.6	0.0196	100.0
2	9647001	4/12/2021	4/19/2021	2681.82	2853.15	10279.8	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9862.1	4.5315	4.8225	291.0	0.0295	102.0
3	9674993	4/19/2021	4/26/2021	2853.15	3017.6	9867.0	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9124.2	4.4405	4.7978	357.3	0.0392	97.9
4	9674985	4/26/2021	5/3/2021	3017.6	3187.14	10172.4	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9384.9	4.4347	4.5877	153.0	0.0163	100.9
5	9674977	5/3/2021	5/10/2021	3187.14	3354.38	10034.4	4.0	4.0	4.0	15.9	289.0	618.01	1.10	0.92	32.55	9249.7	4.4338	4.6145	180.7	0.0195	99.5
6	9674969	5/10/2021	5/17/2021	3354.38	3521.81	10045.8	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9244.4	4.4404	4.6223	181.9	0.0197	99.7
7	9674961	5/17/2021	5/24/2021	3521.81	3689.6	10067.4	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9537.7	4.4122	4.8798	467.6	0.0490	99.9
8	9674953	5/24/2021	6/1/2021	3689.6	3882.38	11566.8	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10948.0	4.4432	4.6798	236.6	0.0216	114.8
9	9674945	6/1/2021	6/7/2021	3882.38	4026.1	8623.2	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7841.1	4.4163	4.6772	260.9	0.0333	85.5
10	9674937	6/7/2021	6/14/2021	4026.1	4192.85	10005.0	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9124.7	4.4219	4.6460	224.1	0.0246	99.3
11	9674929	6/14/2021	6/21/2021	4192.85	4361.58	10123.8	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9142.5	4.4236	4.7336	310.0	0.0339	100.4
12	9674921	6/21/2021	6/28/2021	4361.58	4530.03	10107.0	4.5	4.0	4.3	22.9	296.0	619.46	1.15	0.94	33.19	9499.2	4.4113	4.5667	155.4	0.0164	100.3
Totals						120969.6							13.41	11.16	394.17	112579.9	53.278	56.285	3007.1	0.3225	
Averages						10080.8	4.2	4.0	4.1	17.9	291.1	617.58792	1.12	0.93	32.85	9381.7	4.440	4.690	250.6	0.0269	100.0
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 5, 2021 - June 28, 2021									Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647008	4/5/2021	4/12/2021	7385.16	7553.17	10080.6	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9624.8	4.4745	4.7317	257.2	0.0267	100.0
2	9675000	4/12/2021	4/19/2021	7553.17	7725.3	10327.8	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9908.2	4.4481	4.7868	338.7	0.0342	102.5
3	9674992	4/19/2021	4/26/2021	7725.3	7889.02	9823.2	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9083.7	4.4471	4.6664	219.3	0.0241	97.5
4	9674984	4/26/2021	5/3/2021	7889.02	8058.29	10156.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9370.0	4.4201	4.6512	231.1	0.0247	100.8
5	9674976	5/3/2021	5/10/2021	8058.29	8226.42	10087.8	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9584.8	4.4087	4.6485	239.8	0.0250	100.1
6	9674968	5/10/2021	5/17/2021	8226.42	8393.8	10042.8	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9241.6	4.4521	4.7150	262.9	0.0284	99.6
7	9674960	5/17/2021	5/24/2021	8393.8	8561.57	10066.2	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9536.6	4.4258	5.0576	631.8	0.0663	99.9
8	9674952	5/24/2021	6/1/2021	8561.57	8754.41	11570.4	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10951.4	4.4636	4.8173	353.7	0.0323	114.8
9	9674944	6/1/2021	6/7/2021	8754.41	8897.49	8584.8	4.5	4.0	4.3	23.8	296.9	617.91	1.15	0.94	33.10	8046.2	4.4275	4.6355	208.0	0.0259	85.2
10	9674936	6/7/2021	6/14/2021	8897.49	9064.21	10003.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9123.0	4.4289	4.7415	312.6	0.0343	99.2
11	9674928	6/14/2021	6/21/2021	9064.21	9233.58	10162.2	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9177.2	4.4266	4.8551	428.5	0.0467	100.8
12	9674920	6/21/2021	6/28/2021	9233.58	9401.98	10104.0	4.5	4.0	4.3	22.9	296.0	619.46	1.15	0.94	33.19	9496.4	4.3821	4.6210	238.9	0.0252	100.2
Totals						121009.2							13.48	11.22	396.16	113143.9	53.205	56.928	3722.5	0.3937	
Averages						10084.1	4.3	4.0	4.1	17.9	291.1	617.58792	1.12	0.93	33.01	9428.7	4.434	4.744	310.2	0.0328	100.0
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 5, 2021 - June 28, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647007	4/5/2021	4/12/2021	31629.24	31798.49	10155.0	4.0	4.0	4.0	12.1	285.2	615.87	1.09	0.93	32.71	9406.6	4.4638	4.6401	176.3	0.0187	100.7	
2	9674999	4/12/2021	4/19/2021	31798.49	31970.36	10312.2	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9598.1	4.4470	4.6679	220.9	0.0230	102.3	
3	9674991	4/19/2021	4/26/2021	31970.36	32133.13	9766.2	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9308.7	4.4337	4.6670	233.3	0.0251	96.9	
4	9674983	4/26/2021	5/3/2021	32133.13	32302.24	10146.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9361.1	4.4176	4.5325	114.9	0.0123	100.7	
5	9674975	5/3/2021	5/10/2021	32302.24	32469.92	10060.8	3.5	4.0	3.8	15.9	289.0	618.01	1.06	0.89	31.52	8979.8	4.4420	4.5905	148.5	0.0165	99.8	
6	9674967	5/10/2021	5/17/2021	32469.92	32637.31	10043.4	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9242.2	4.4342	4.6163	182.1	0.0197	99.6	
7	9674959	5/17/2021	5/24/2021	32637.31	32805.2	10073.4	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9543.4	4.4270	4.7835	356.5	0.0374	99.9	
8	9674951	5/24/2021	6/1/2021	32805.2	32997.92	11563.2	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10944.5	4.4425	4.5735	131.0	0.0120	114.7	
9	9674943	6/1/2021	6/7/2021	32997.92	33141.69	8626.2	3.5	4.0	3.8	23.8	296.9	617.91	1.08	0.88	31.09	7595.0	4.4321	4.6008	168.7	0.0222	85.6	
10	9674935	6/7/2021	6/14/2021	33141.69	33308.36	10000.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9120.3	4.4389	4.6013	162.4	0.0178	99.2	
11	9674927	6/14/2021	6/21/2021	33308.36	33477.1	10124.4	4.0	4.0	4.0	28.6	301.8	619.43	1.12	0.90	31.89	9143.1	4.4163	4.6450	228.7	0.0250	100.4	
12	9674919	6/21/2021	6/28/2021	33477.1	33645.63	10111.8	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8927.7	4.4036	4.5425	138.9	0.0156	100.3	
						Totals	120983.4						13.24	11.02	389.10	111170.3	53.199	55.461	2262.2	0.2452		
						Averages	10082.0	4.0	4.0	4.0	17.9	291.1	617.58792	1.10	0.92	32.42	9264.2	4.433	4.622	188.5	0.0204	100.0
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 5, 2021 - June 28, 2021					Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647006	4/5/2021	4/12/2021	24862.31	25031.62	10158.6	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9699.3	4.5184	4.6953	176.9	0.0182	100.8	
2	9674998	4/12/2021	4/19/2021	25031.62	25203.47	10311.0	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9597.0	4.4437	4.7412	297.5	0.0310	102.3	
3	9674990	4/19/2021	4/26/2021	25203.47	25366.25	9766.8	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9309.2	4.4246	4.7165	291.9	0.0314	96.9	
4	9674982	4/26/2021	5/3/2021	25366.25	25535.32	10144.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9358.9	4.4100	4.6045	194.5	0.0208	100.6	
5	9674974	5/3/2021	5/10/2021	25535.32	25703.01	10061.4	4.0	4.0	4.0	15.9	289.0	618.01	1.10	0.92	32.55	9274.6	4.4372	4.5776	140.4	0.0151	99.8	
6	9674966	5/10/2021	5/17/2021	25703.01	25870.42	10044.6	3.5	4.0	3.8	17.0	290.1	618.31	1.07	0.89	31.47	8950.0	4.4210	4.5769	155.9	0.0174	99.6	
7	9674958	5/17/2021	5/24/2021	25870.42	26038.29	10072.2	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9257.6	4.4219	5.1145	692.6	0.0748	99.9	
8	9674950	5/24/2021	6/1/2021	26038.29	26231.02	11563.8	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10945.1	4.4222	4.6236	201.4	0.0184	114.7	
9	9674942	6/1/2021	6/7/2021	26231.02	26374.83	8628.6	4.5	4.0	4.3	23.8	296.9	617.91	1.15	0.94	33.10	8087.3	4.4316	4.5872	155.6	0.0192	85.6	
10	9674934	6/7/2021	6/14/2021	26374.83	26541.48	9999.0	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9119.2	4.4264	4.6136	187.2	0.0205	99.2	
11	9674926	6/14/2021	6/21/2021	26541.48	26710.22	10124.4	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9424.2	4.4268	4.7013	274.5	0.0291	100.4	
12	9674918	6/21/2021	6/28/2021	26710.22	26878.73	10110.6	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8926.6	4.4204	4.5733	152.9	0.0171	100.3	
						Totals	120985.2						13.34	11.10	392.09	111949.0	53.204	56.126	2921.3	0.3132		
						Averages	10082.1	4.1	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.67	9329.1	4.434	4.677	243.4	0.0261	100.0
Comments:																						
Insert weekly flow check values in yellow columns.																						
Blue column values are calculated.																						
Green columns are calculated averages from the mei station.																						
Insert filter weight values into orange columns.																						
												* Time indicator reset after 10000 on 6/4/18. A negative number was inserted on the start time to compensate for the meter rolling over after 10,000.										

BHV-6		Energy Fuels Resources - White Mesa Mill Period: April 5, 2021 - June 28, 2021									Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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	9647005	4/5/2021	4/12/2021	13595.8	13765.07	10156.2	4.0	4.0	4.0	12.1	285.2	615.87	1.09	0.93	32.71	9407.7	4.5275	4.7339	206.4	0.0219	100.8	
2	9674997	4/12/2021	4/19/2021	13765.07	13936.9	10309.8	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9595.8	4.4359	4.7064	270.5	0.0282	102.3	
3	9674989	4/19/2021	4/26/2021	13936.9	14099.64	9764.4	4.5	4.0	4.3	12.5	285.7	614.78	1.13	0.95	33.66	9307.0	4.4272	4.6595	232.3	0.0250	96.9	
4	9674981	4/26/2021	5/3/2021	14099.64	14268.85	10152.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9366.7	4.4273	4.6105	183.2	0.0196	100.7	
5	9674973	5/3/2021	5/10/2021	14268.85	14436.42	10054.2	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9552.9	4.4459	4.6096	163.7	0.0171	99.7	
6	9674965	5/10/2021	5/17/2021	14436.42	14603.83	10044.6	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9243.3	4.4315	4.6545	223.0	0.0241	99.6	
7	9674957	5/17/2021	5/24/2021	14603.83	14771.68	10071.0	4.5	4.0	4.3	16.5	289.7	615.90	1.14	0.95	33.46	9541.1	4.4389	4.8390	400.1	0.0419	99.9	
8	9674949	5/24/2021	6/1/2021	14771.68	14964.39	11562.6	4.0	4.0	4.0	18.6	291.8	619.20	1.10	0.92	32.43	10617.5	4.4278	4.5817	153.9	0.0145	114.7	
9	9674941	6/1/2021	6/7/2021	14964.39	15108.12	8623.8	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7841.6	4.4210	4.5982	177.2	0.0226	85.6	
10	9674933	6/7/2021	6/14/2021	15108.12	15271.1	9778.8	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	8918.4	4.4277	4.5537	126.0	0.0141	97.0	
11	9674925	6/14/2021	6/21/2021	0	167.8	10068.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9371.7	4.4181	4.6857	267.6	0.0286	99.9	
12	9674917	6/21/2021	6/28/2021	167.8	336.32	10111.2	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8927.1	4.4189	4.5804	161.5	0.0181	100.3	
						Totals	120697.2						13.34	11.10	392.13	111690.9	53.248	55.813	2565.4	0.2757		
						Averages	10058.1	4.1	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.68	9307.6	4.437	4.651	213.8	0.0230	99.8
Comments: Replaced the time indicator on 6/14/2021																						
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: April 5, 2021 - June 28, 2021										Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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 Outstream (%)	
1	9647004	4/5/2021	4/12/2021	6546.22	6714.25	10081.8	4.5	4.0	4.3	12.1	285.2	615.87	1.13	0.95	33.72	9625.9	4.5365	4.7462	209.7	0.0218	100.0	
2	9674996	4/12/2021	4/19/2021	6714.25	6886.05	10308.0	4.5	4.0	4.3	9.5	282.6	616.15	1.12	0.96	33.88	9889.2	4.4617	4.8345	372.8	0.0377	102.3	
3	9674988	4/19/2021	4/26/2021	6886.05	6994.03	6478.8	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	5991.0	4.4225	4.6892	266.7	0.0445	64.3	
4	9674980	4/26/2021	5/3/2021	0	168.92	10135.2	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9350.6	4.4286	4.6135	184.9	0.0198	100.5	
5	9674972	5/3/2021	5/10/2021	168.92	336.22	10038.0	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9537.5	4.4296	4.6400	210.4	0.0221	99.6	
6	9674964	5/10/2021	5/17/2021	336.22	503.66	10046.4	4.0	4.0	4.0	17.0	290.1	618.31	1.10	0.92	32.50	9244.9	4.4260	4.6308	204.8	0.0222	99.7	
7	9674956	5/17/2021	5/24/2021	503.66	671.46	10068.0	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9253.7	4.4296	4.9438	514.2	0.0556	99.9	
8	9674948	5/24/2021	6/1/2021	671.46	864.16	11562.0	4.5	4.0	4.3	18.6	291.8	619.20	1.14	0.95	33.43	10943.4	4.4265	4.6435	217.0	0.0198	114.7	
9	9674940	6/1/2021	6/7/2021	864.16	1008.01	8631.0	4.0	4.0	4.0	23.8	296.9	617.91	1.11	0.91	32.11	7848.2	4.4149	4.6450	230.1	0.0293	85.6	
10	9674932	6/7/2021	6/14/2021	1008.01	1174.75	10004.4	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9124.1	4.4282	4.6668	238.6	0.0262	99.3	
11	9674924	6/14/2021	6/21/2021	1174.75	1343.4	10119.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9419.2	4.4210	4.7709	349.9	0.0371	100.4	
12	9674916	6/21/2021	6/28/2021	1343.4	1511.91	10110.6	3.5	4.0	3.8	22.9	296.0	619.46	1.08	0.88	31.18	8926.6	4.4254	4.6123	186.9	0.0209	100.3	
						Totals	117583.2						13.38	11.13	393.14	109154.5	53.251	56.437	3186.0	0.3569		
						Averages	9798.6	4.2	4.0	4.1	17.9	291.1	617.58792	1.11	0.93	32.76	9096.2	4.438	4.703	265.5	0.0297	97.2
Comments: 4/26/2021 Time indicator was found broken. Time indicator was replaced.																						
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: April 5, 2021 - June 28, 2021										Calibration Date: 9/20/2020 Calibration Slope & Intercept: m= 1.24511 b= -0.00114 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)	Qt 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	9647003	4/5/2021	4/12/2021	22779.2	22947.23	10081.8	3.5	4.0	3.8	12.1	285.2	615.87	1.06	0.90	31.67	9042.5	4.5564	4.7670	210.6	0.0233	100.0	
2	9674995	4/12/2021	4/19/2021	22947.23	23118.6	10282.2	4.0	4.0	4.0	9.5	282.6	616.15	1.09	0.93	32.87	9570.2	4.4564	4.7608	304.4	0.0318	102.0	
3	9674987	4/19/2021	4/26/2021	23118.6	23283.04	9866.4	4.0	4.0	4.0	12.5	285.7	614.78	1.10	0.92	32.66	9123.6	4.4135	4.7136	300.1	0.0329	97.9	
4	9674979	4/26/2021	5/3/2021	23283.04	23452.55	10170.6	4.0	4.0	4.0	14.8	287.9	616.71	1.10	0.92	32.58	9383.3	4.4285	4.6258	197.3	0.0210	100.9	
5	9674971	5/3/2021	5/10/2021	23452.55	23619.76	10032.6	4.5	4.0	4.3	15.9	289.0	618.01	1.13	0.95	33.55	9532.4	4.4340	4.6602	226.2	0.0237	99.5	
4	9674963	5/10/2021	5/17/2021	23619.76	23787.2	10046.4	4.5	4.0	4.3	17.0	290.1	618.31	1.14	0.95	33.50	9529.2	4.4330	4.7470	314.0	0.0330	99.7	
7	9674955	5/17/2021	5/24/2021	23787.2	23954.99	10067.4	4.0	4.0	4.0	16.5	289.7	615.90	1.10	0.92	32.46	9253.2	4.4300	4.9292	499.2	0.0539	99.9	
8	9674947	5/24/2021	6/1/2021	23954.99	24147.71	11563.2	4.0	4.0	4.0	18.6	291.8	619.20	1.10	0.92	32.43	10618.0	4.4188	4.6132	194.4	0.0183	114.7	
9	9674939	6/1/2021	6/7/2021	24147.71	24291.5	8627.4	3.5	4.0	3.8	23.8	296.9	617.91	1.08	0.88	31.09	7596.0	4.4195	4.6355	216.0	0.0284	85.6	
10	9674931	6/7/2021	6/14/2021	24291.5	24458.27	10006.2	4.0	4.0	4.0	22.7	295.9	619.33	1.11	0.91	32.21	9125.8	4.4338	4.8112	377.4	0.0414	99.3	
11	9674923	6/14/2021	6/21/2021	24458.27	24626.97	10122.0	4.5	4.0	4.3	28.6	301.8	619.43	1.16	0.93	32.87	9422.0	4.4172	4.6710	253.8	0.0269	100.4	
12	9674915	6/21/2021	6/28/2021	24626.97	24795.46	10109.4	4.0	4.0	4.0	22.9	296.0	619.46	1.11	0.91	32.20	9218.0	4.4228	4.5591	136.3	0.0148	100.3	
						Totals	120975.6						13.27	11.05	390.09	111414.2	53.264	56.494	3229.7	0.3495		
						Averages	10081.3	4.0	4.0	4.0	17.9	291.1	617.58792	1.11	0.92	32.51	9284.5	4.439	4.708	269.1	0.0291	100.0
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.																						

Blanks

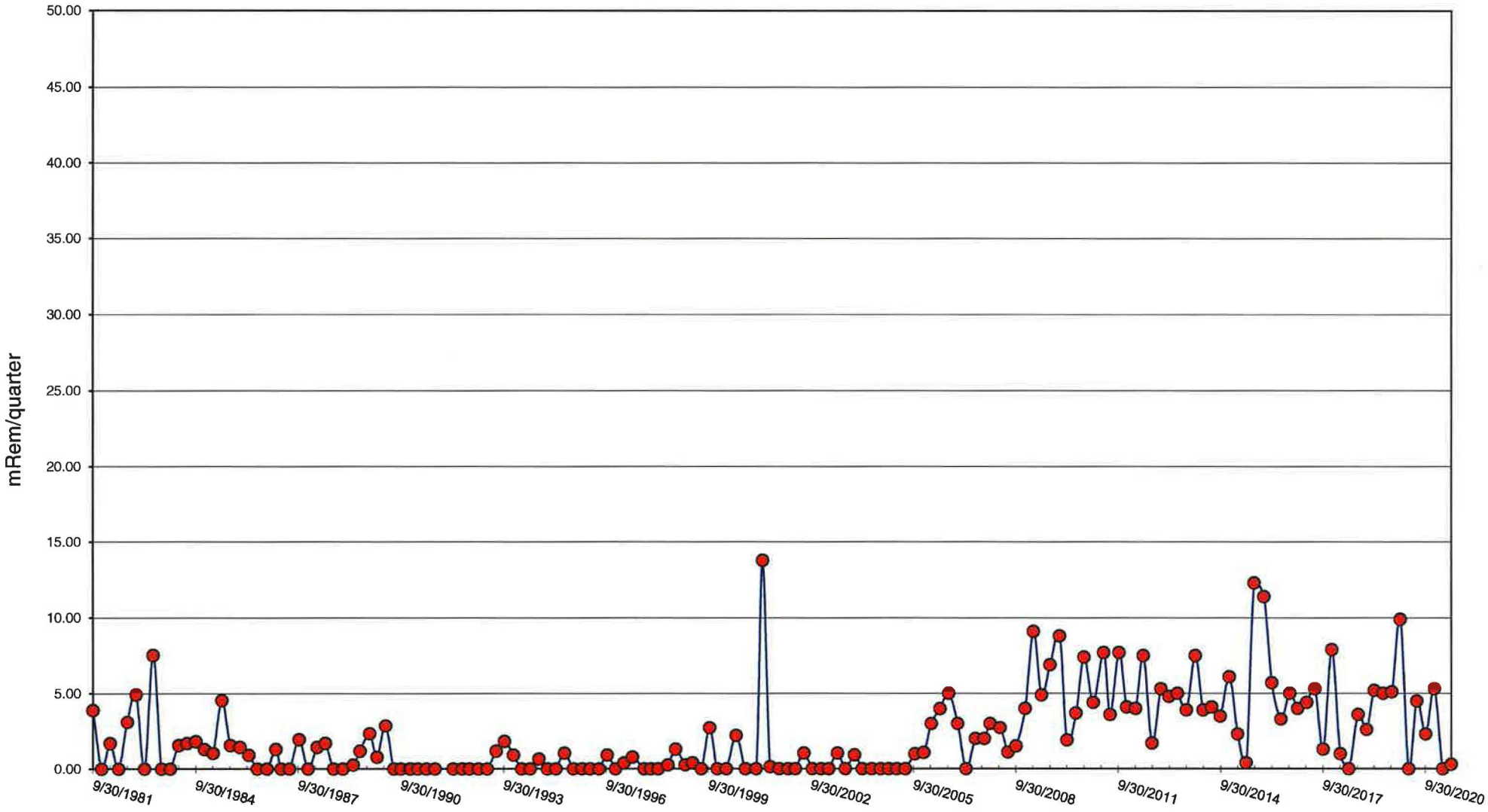
Period: April 5, 2021 - June 28, 2021

Week #	Filter Number	Start Date	Stop Date	Net
1	9647002	05-Apr-21	12-Apr-21	4.5247
2	9674994	12-Apr-21	19-Apr-21	4.4495
3	9674986	19-Apr-21	26-Apr-21	4.4363
4	9674978	26-Apr-21	03-May-21	4.4362
5	9674970	03-May-21	10-May-21	4.4197
6	9674962	10-May-21	17-May-21	4.4297
7	9674954	17-May-21	24-May-21	4.4289
8	9674946	24-May-21	01-Jun-21	4.4251
9	9674938	01-Jun-21	07-Jun-21	4.4150
10	9674930	07-Jun-21	14-Jun-21	4.4472
11	9674922	14-Jun-21	21-Jun-21	4.4131
12	9674914	21-Jun-21	28-Jun-21	4.4242
13				
14				
Totals				

ATTACHMENT E

ENVIRONMENTAL GAMMA GRAPHS AND SUPPORTING DATA

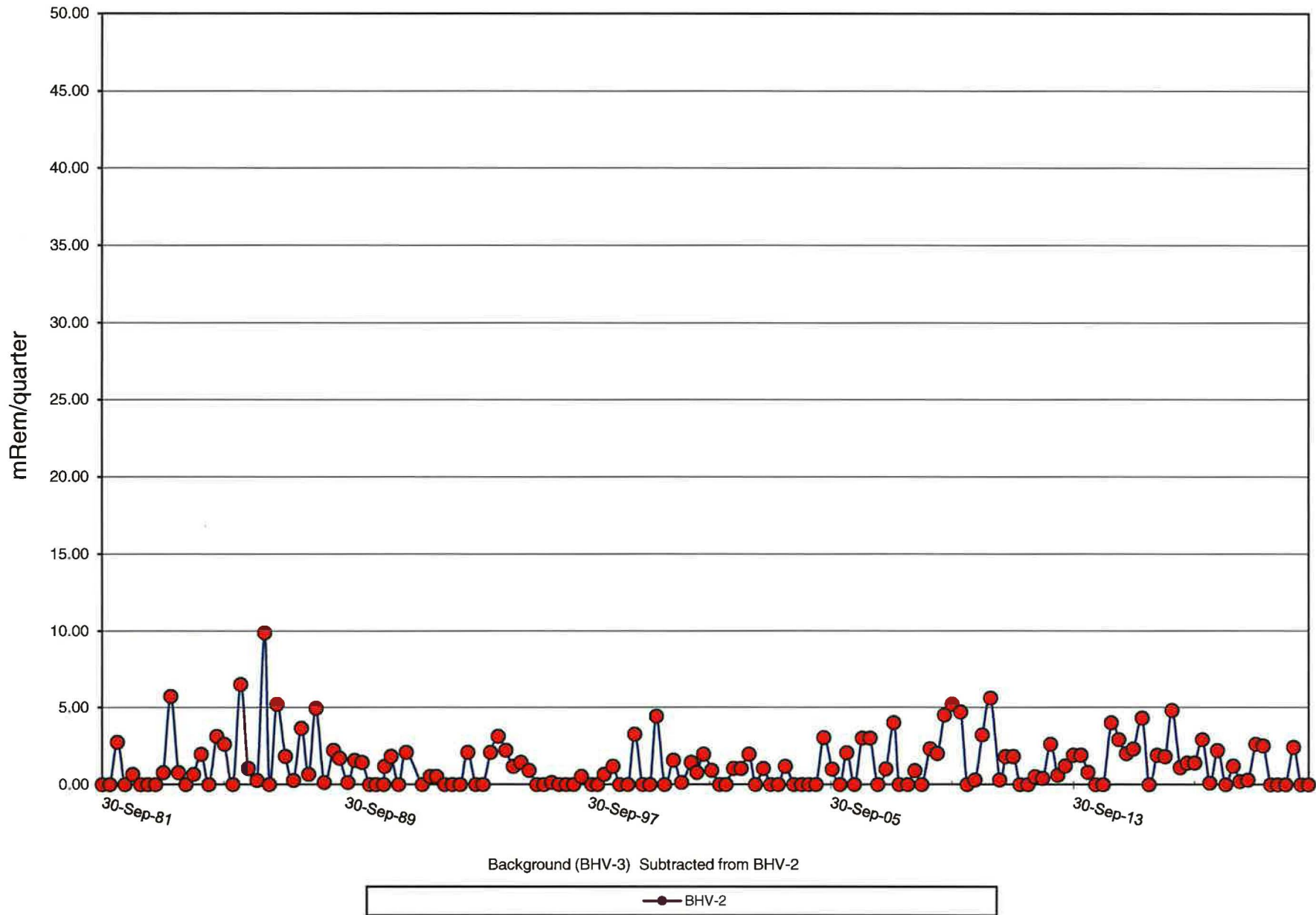
White Mesa Mill Ambient Gamma Levels Over Time BHV-1



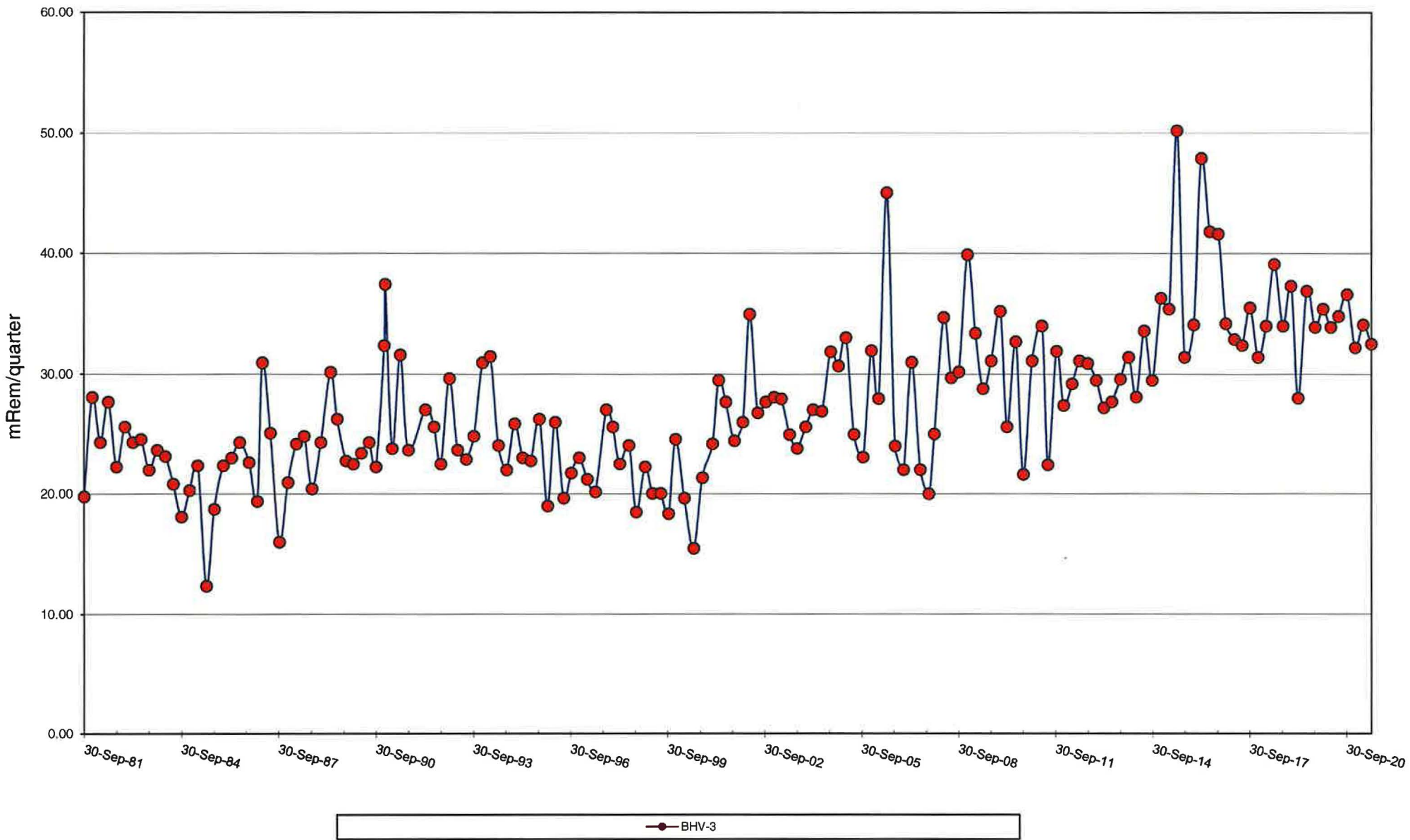
Background (BHV-3) Subtracted from BHV-1



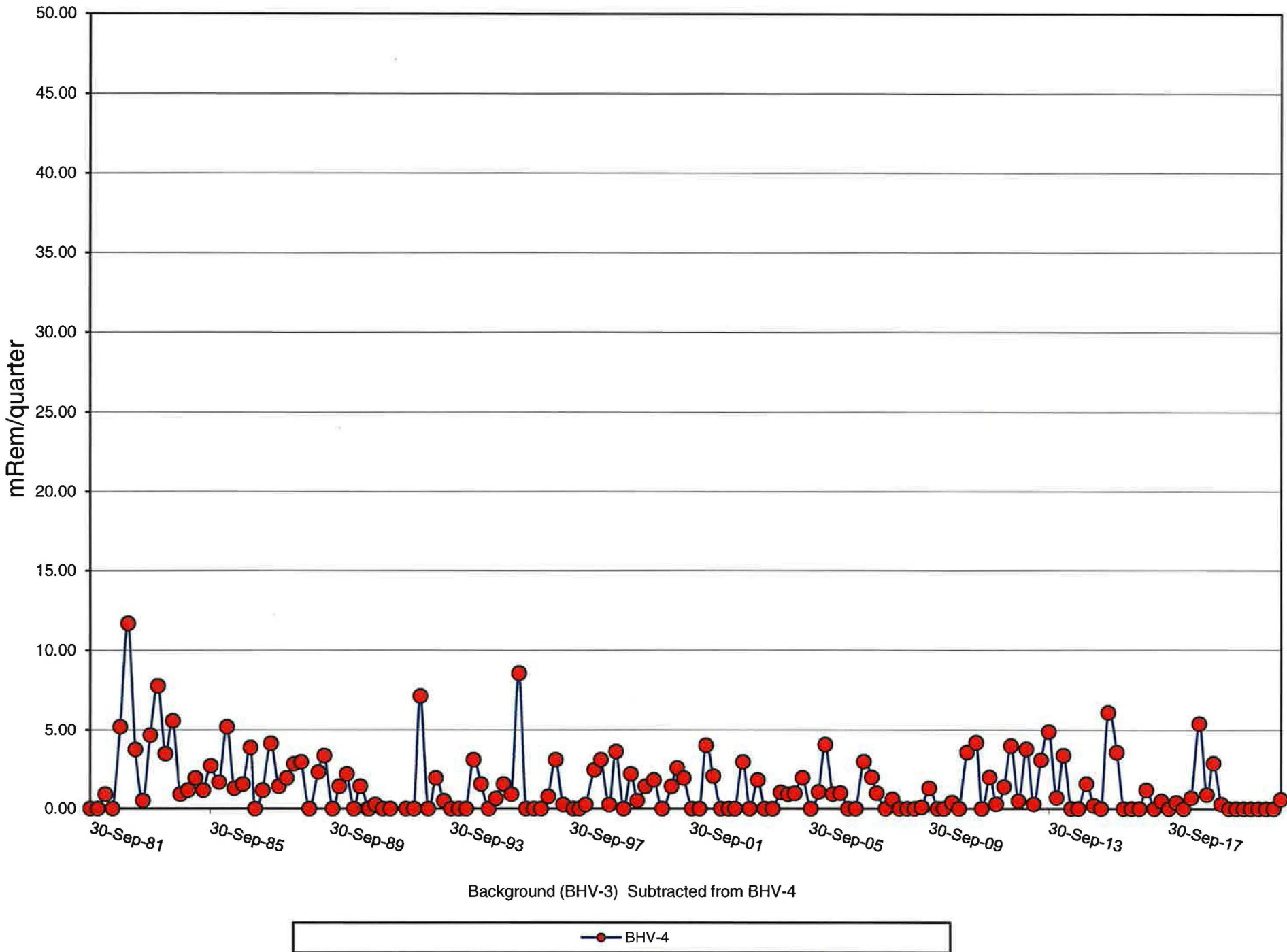
White Mesa Mill Ambient Gamma Levels Over Time BHV-2



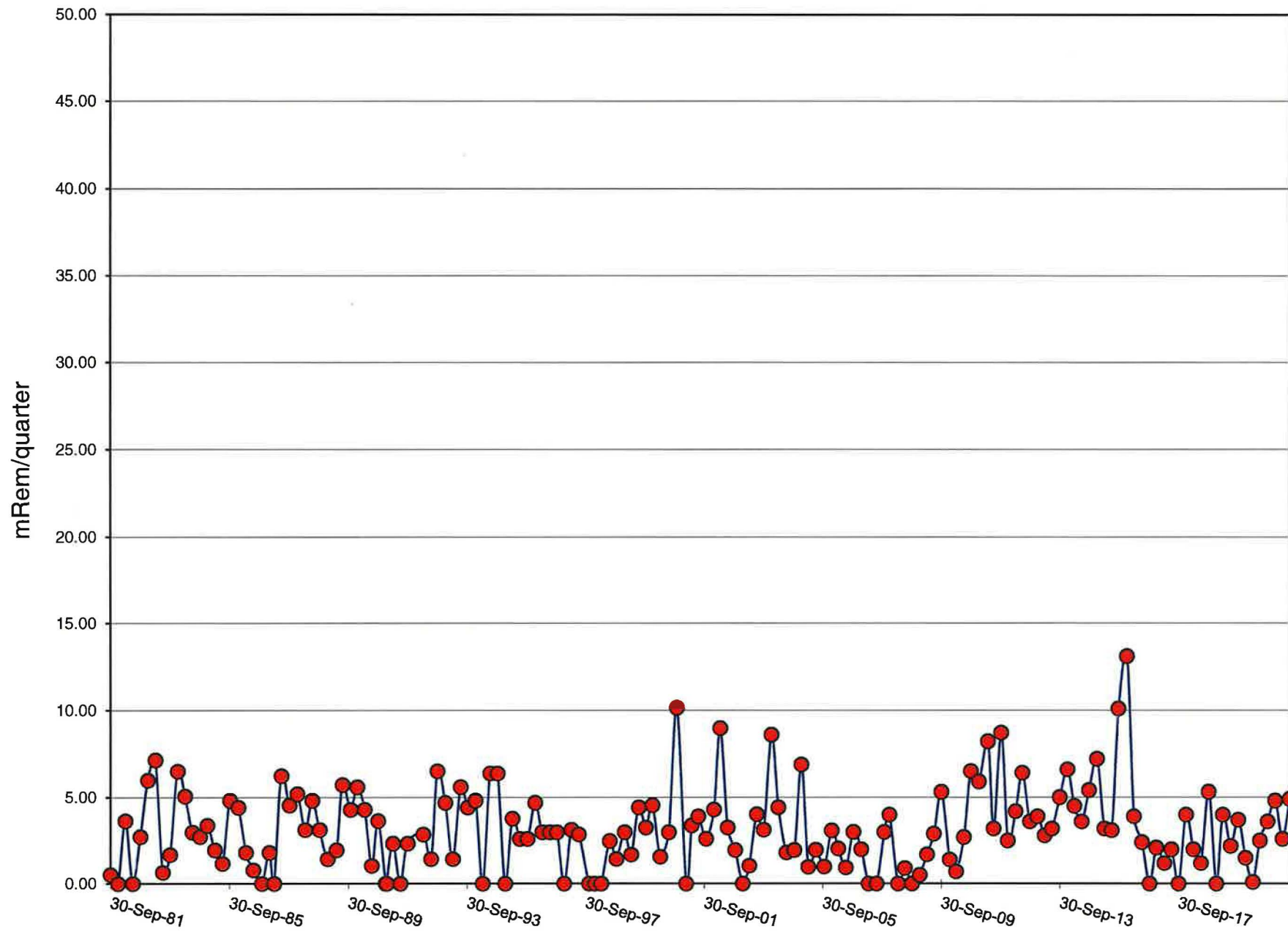
White Mesa Mill Ambient Gamma Levels Over Time BHV-3



White Mesa Mill Ambient Gamma Levels Over Time BHV-4



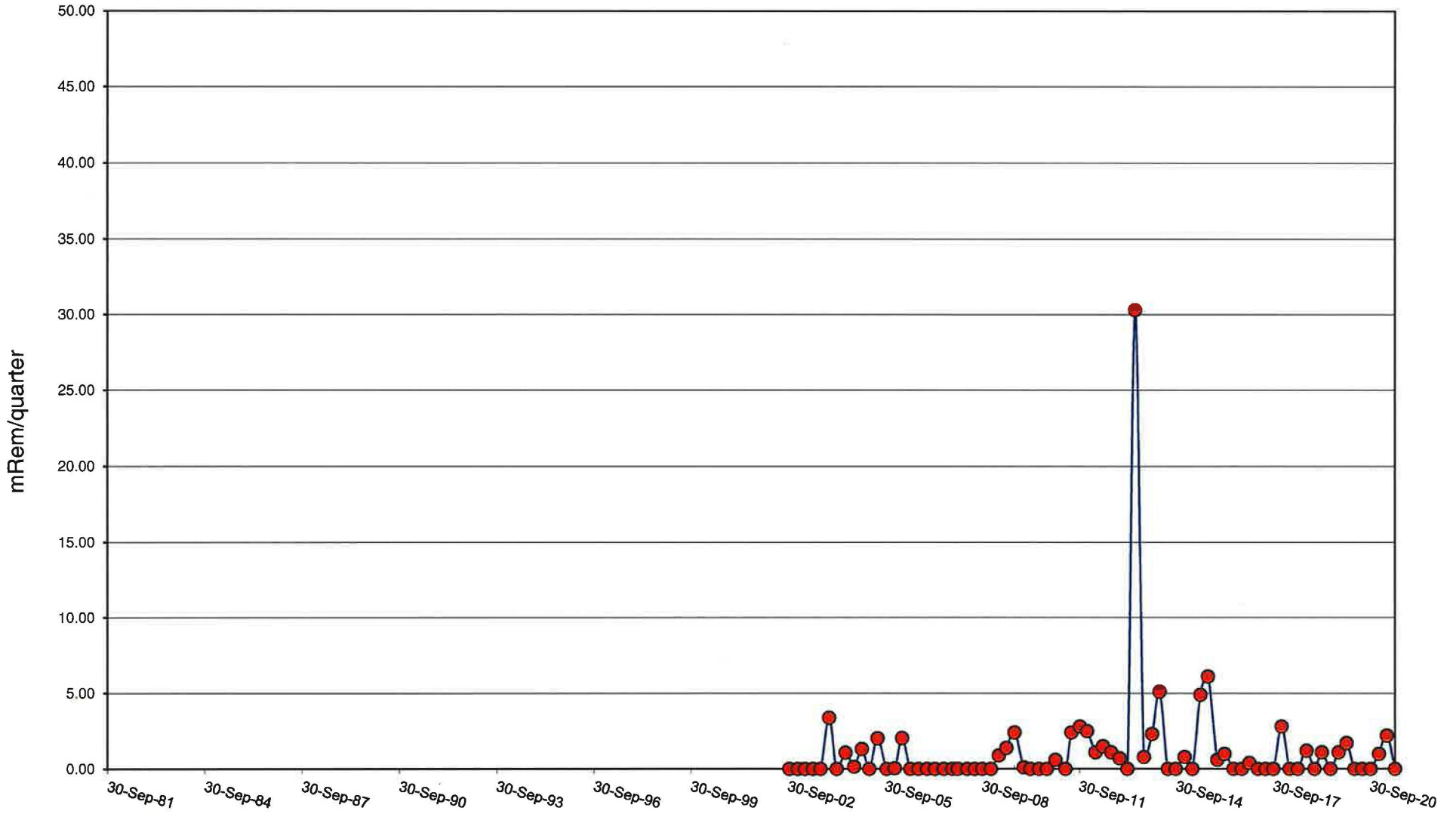
White Mesa Mill Ambient Gamma Levels Over Time BHV-5



Background (BHV-3) Subtracted from BHV- 5



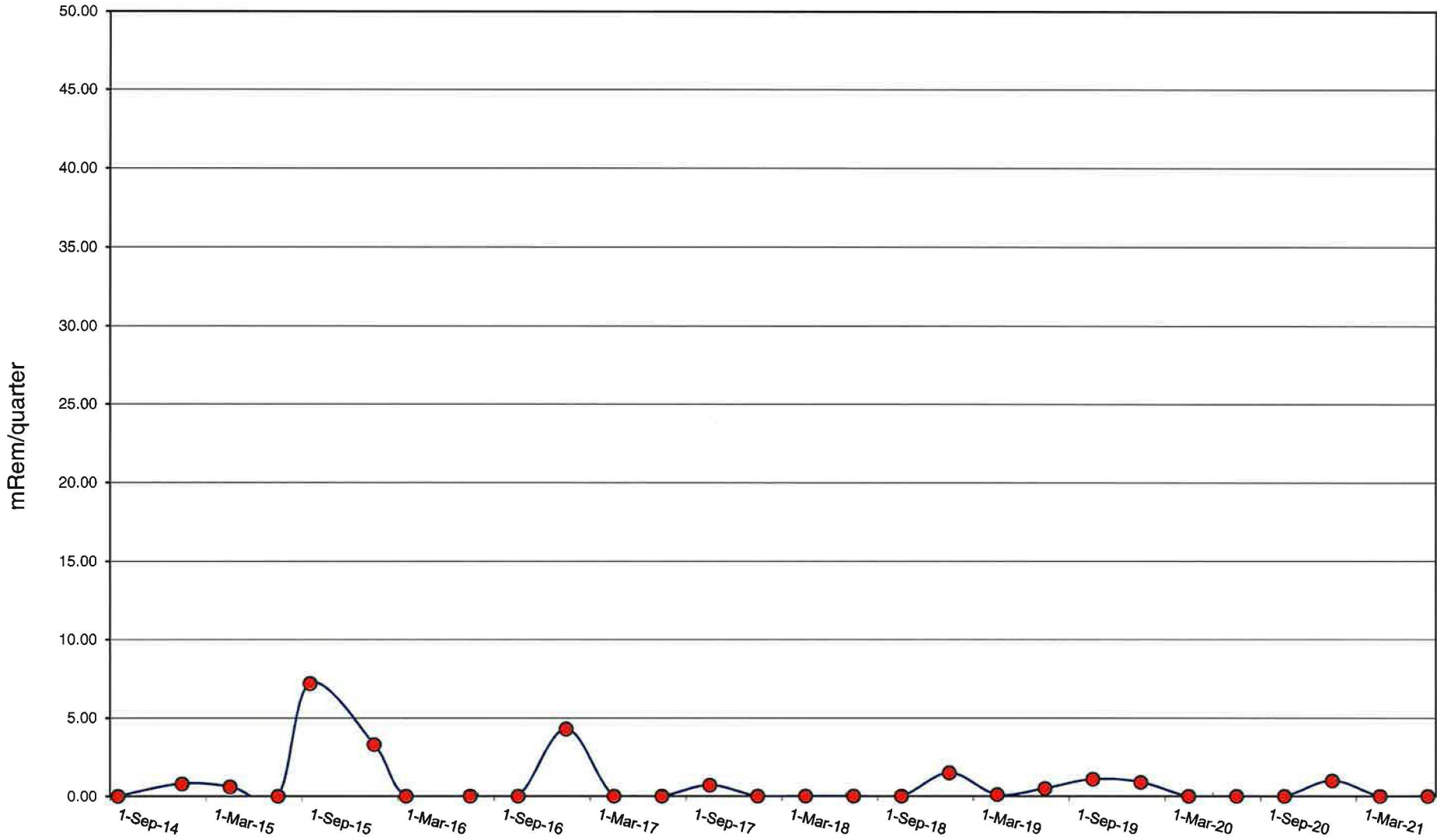
White Mesa Mill Ambient Gamma Levels Over Time BHV-6



Background (BHV-3) Subtracted from BHV- 6

BHV-6

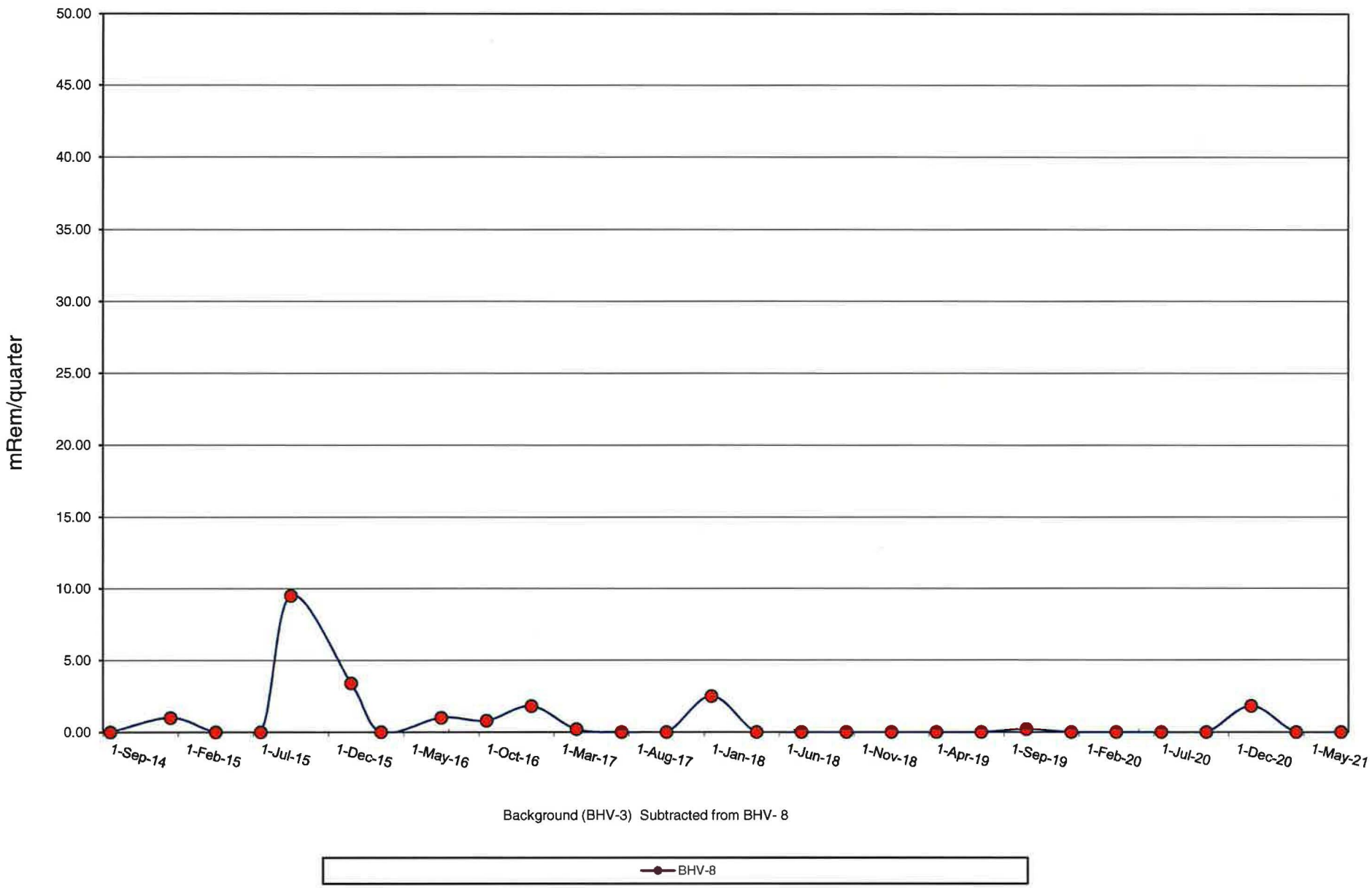
White Mesa Mill Ambient Gamma Levels Over Time BHV-7



Background (BHV-3) Subtracted from BHV- 7



White Mesa Mill Ambient Gamma Levels Over Time BHV-8



White Mesa Mill First Quarter 2021 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	1/7/2021	4/8/2021	91	33.3	0.02	0.366	2.56
1	V2O5 Control Room	1/7/2021	4/8/2021	91	40.5	0.02	0.445	3.12
2	BHV-6	1/7/2021	4/8/2021	91	36.3	0.02	0.399	2.79
3	Ore Stor. - Barrel Area	1/7/2021	4/8/2021	91	227	0.10	2.495	17.46
4	Vanadium Precip.Area	1/7/2021	4/8/2021	91	45.5	0.02	0.500	3.50
5	Yellowcake Drying Area	1/7/2021	4/8/2021	91	773.5	0.35	8.500	59.50
6	Leach	1/7/2021	4/8/2021	91	54.1	0.02	0.595	4.16
7	SAG Mill Control Room	1/7/2021	4/8/2021	91	159.3	0.07	1.751	12.25
8	Yellowcake Precip.	1/7/2021	4/8/2021	91	2972	1.36	32.659	228.62
9	Central Control Room	1/7/2021	4/8/2021	91	78.2	0.04	0.859	6.02
10	Ore pad - decontamination pad	1/7/2021	4/8/2021	91	105.8	0.05	1.163	8.14
11	North East Corner Ore Pad	1/7/2021	4/8/2021	91	254.7	0.12	2.799	19.59
12	Met. Lab	1/7/2021	4/8/2021	91	123.8	0.06	1.360	9.52
13	Filter Press Room	1/7/2021	4/8/2021	91	127.3	0.06	1.399	9.79
14	BHV-1	1/7/2021	4/8/2021	91	33.2	0.02	0.365	2.55
15	BHV-2	1/7/2021	4/8/2021	91	33.2	0.02	0.365	2.55
16	BHV-3	1/7/2021	4/8/2021	91	34.1	0.02	0.375	2.62
17	BHV-4	1/7/2021	4/8/2021	91	34.1	0.02	0.375	2.62
18	BHV-5	1/7/2021	4/8/2021	91	36.7	0.02	0.403	2.82
19	SAG Mill	1/7/2021	4/8/2021	91	174.4	0.08	1.916	13.42
20	Tails	1/7/2021	4/8/2021	91	52.6	0.02	0.578	4.05
21	CCD	1/7/2021	4/8/2021	91		0.00	0.000	0.00
22	North SX	1/7/2021	4/8/2021	91	123.2	0.06	1.354	9.48
23	Administration Building	1/7/2021	4/8/2021	91	36.7	0.02	0.403	2.82
24	Admin Parking Lot	1/7/2021	4/8/2021	91	74.1	0.03	0.814	5.70
25	Yellowcake Packaging	1/7/2021	4/8/2021	91	222.7	0.10	2.447	17.13
26	Yellowcake Storage	1/7/2021	4/8/2021	91	706	0.32	7.758	54.31
27	Bucking Room	1/7/2021	4/8/2021	91	108.8	0.05	1.196	8.37
28	Mill Lunch Room	1/7/2021	4/8/2021	91	62.6	0.03	0.688	4.82
29	South SX	1/7/2021	4/8/2021	91	73.5	0.03	0.808	5.65
30	Mtce. Super.'s Office	1/7/2021	4/8/2021	91	45.6	0.02	0.501	3.51
31	Ore Feed Grizzly	1/7/2021	4/8/2021	91	208.5	0.10	2.291	16.04
32	Scalehouse	1/7/2021	4/8/2021	91	188.2	0.09	2.068	14.48
33	Sample Plant (OBS)	1/7/2021	4/8/2021	91	196.4	0.09	2.158	15.11
34	Front Gate	1/7/2021	4/8/2021	91	178.5	0.08	1.962	13.73
45	AF - Barrel Dump Station	1/7/2021	4/8/2021	91	126.8	0.06	1.393	9.75
46	AF Circuit - South	1/7/2021	4/8/2021	91	65	0.03	0.714	5.00
47	AF Circuit - North	1/7/2021	4/8/2021	91	70.6	0.03	0.776	5.43
51	North Control # 1	1/7/2021	4/8/2021	91	42.1	0.02	0.463	3.24
52	North Control # 2	1/7/2021	4/8/2021	91	36.9	0.02	0.405	2.84
53	CaF2 Barrel Dump Station - Operator Station	1/7/2021	4/8/2021	91	103.4	0.05	1.136	7.95
64	KF Barrel Dump Station	1/7/2021	4/8/2021	91	124.6	0.06	1.369	9.58
70	BHV-7	1/7/2021	4/8/2021	91	33.6	0.02	0.369	2.58
71	BHV-8	1/7/2021	4/8/2021	91	33.8	0.02	0.371	2.60

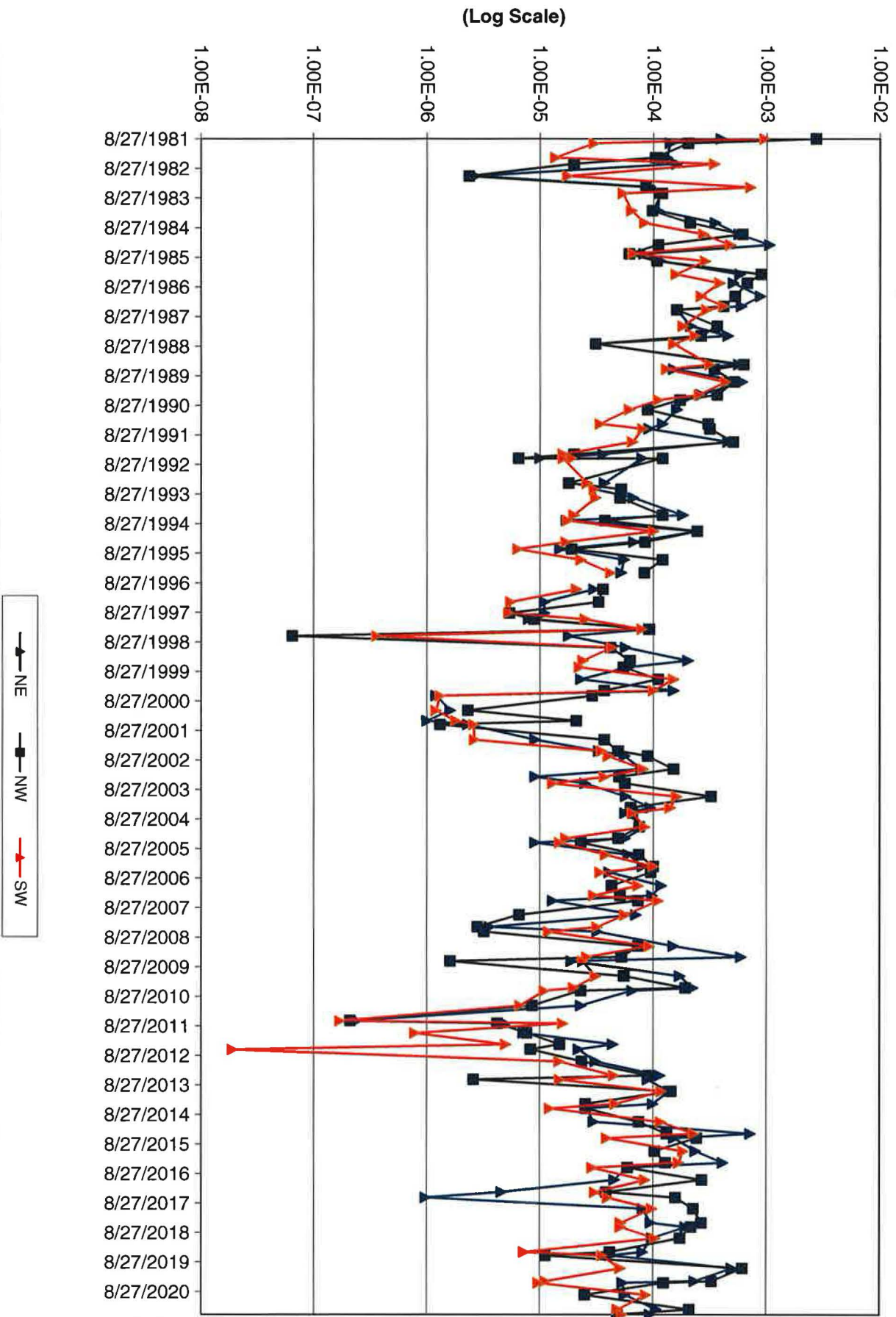
White Mesa Mill Second Quarter 2021 Environmental Spherical Gamma Monitor Results

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	4/8/2021	7/8/2021	91	33.5	0.02	0.368	2.58
1	V2O5 Control Room	4/8/2021	7/8/2021	91	44.7	0.02	0.491	3.44
2	BHV-6	4/8/2021	7/8/2021	91	32.1	0.01	0.353	2.47
3	Ore Stor. - Barrel Area	4/8/2021	7/8/2021	91	252.2	0.12	2.771	19.40
4	Vanadium Precip.Area	4/8/2021	7/8/2021	91	59.3	0.03	0.652	4.56
5	Yellowcake Drying Area	4/8/2021	7/8/2021	91	359	0.16	3.945	27.62
6	Leach	4/8/2021	7/8/2021	91	167.3	0.08	1.838	12.87
7	SAG Mill Control Room	4/8/2021	7/8/2021	91	307.2	0.14	3.376	23.63
8	Yellowcake Precip.	4/8/2021	7/8/2021	91	0	0.00	0.000	0.00
9	Central Control Room	4/8/2021	7/8/2021	91	85.3	0.04	0.937	6.56
10	Ore pad - decontamination pad	4/8/2021	7/8/2021	91	115.1	0.05	1.265	8.85
11	North East Corner Ore Pad	4/8/2021	7/8/2021	91	244	0.11	2.681	18.77
12	Met. Lab	4/8/2021	7/8/2021	91	128.1	0.06	1.408	9.85
13	Filter Press Room	4/8/2021	7/8/2021	91	542.8	0.25	5.965	41.75
14	BHV-1	4/8/2021	7/8/2021	91	32.8	0.02	0.360	2.52
15	BHV-2	4/8/2021	7/8/2021	91	30.7	0.01	0.337	2.36
16	BHV-3	4/8/2021	7/8/2021	91	32.5	0.01	0.357	2.50
17	BHV-4	4/8/2021	7/8/2021	91	33.1	0.02	0.364	2.55
18	BHV-5	4/8/2021	7/8/2021	91	37.4	0.02	0.411	2.88
19	SAG Mill	4/8/2021	7/8/2021	91	377.2	0.17	4.145	29.02
20	Tails	4/8/2021	7/8/2021	91	57.7	0.03	0.634	4.44
21	CCD	4/8/2021	7/8/2021	91	85.5	0.04	0.940	6.58
22	North SX	4/8/2021	7/8/2021	91	134.6	0.06	1.479	10.35
23	Administration Building	4/8/2021	7/8/2021	91	38.8	0.02	0.426	2.98
24	Admin Parking Lot	4/8/2021	7/8/2021	91	75.5	0.03	0.830	5.81
25	Yellowcake Packaging	4/8/2021	7/8/2021	91	651	0.30	7.154	50.08
26	Yellowcake Storage	4/8/2021	7/8/2021	91	885	0.41	9.725	68.08
27	Bucking Room	4/8/2021	7/8/2021	91	114.3	0.05	1.256	8.79
28	Mill Lunch Room	4/8/2021	7/8/2021	91	61.5	0.03	0.676	4.73
29	South SX	4/8/2021	7/8/2021	91	82.8	0.04	0.910	6.37
30	Mtce. Super.'s Office	4/8/2021	7/8/2021	91	45.7	0.02	0.502	3.52
31	Ore Feed Grizzly	4/8/2021	7/8/2021	91	282.3	0.13	3.102	21.72
32	Scalehouse	4/8/2021	7/8/2021	91	195.6	0.09	2.149	15.05
33	Sample Plant (OBS)	4/8/2021	7/8/2021	91	114.2	0.05	1.255	8.78
34	Front Gate	4/8/2021	7/8/2021	91	204.6	0.09	2.248	15.74
45	AF - Barrel Dump Station	4/8/2021	7/8/2021	91	167	0.08	1.835	12.85
46	AF Circuit - South	4/8/2021	7/8/2021	91	53.1	0.02	0.584	4.08
47	AF Circuit - North	4/8/2021	7/8/2021	91	83.6	0.04	0.919	6.43
51	North Control # 1	4/8/2021	7/8/2021	91	38.9	0.02	0.427	2.99
52	North Control # 2	4/8/2021	7/8/2021	91	34.8	0.02	0.382	2.68
53	CaF2 Barrel Dump Station - Operator Station	4/8/2021	7/8/2021	91	118.9	0.05	1.307	9.15
64	KF Barrel Dump Station	4/8/2021	7/8/2021	91	109.4	0.05	1.202	8.42
70	BHV-7	4/8/2021	7/8/2021	91	31.2	0.01	0.343	2.40
71	BHV-8	4/8/2021	7/8/2021	91	32.5	0.01	0.357	2.50

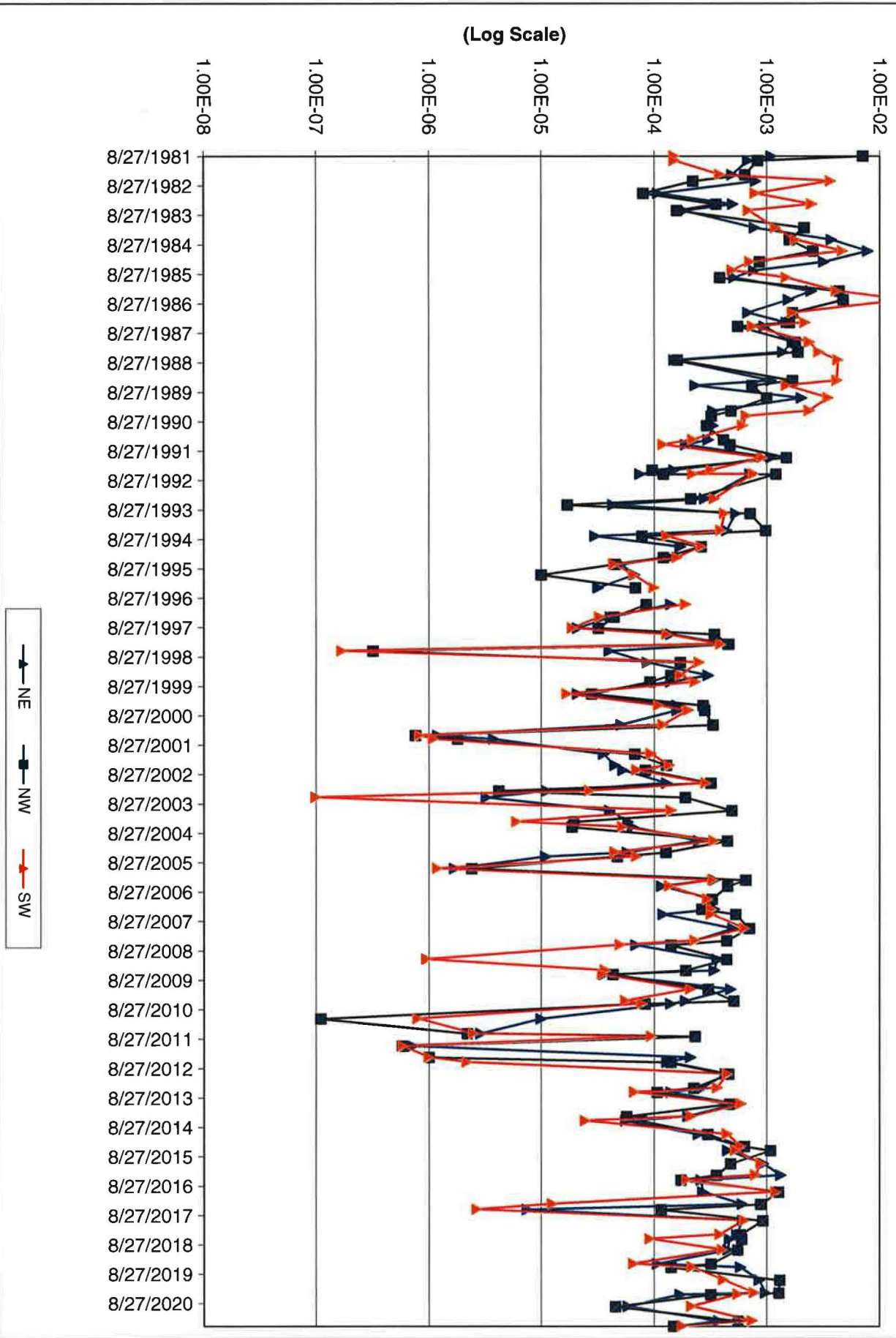
ATTACHMENT F

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

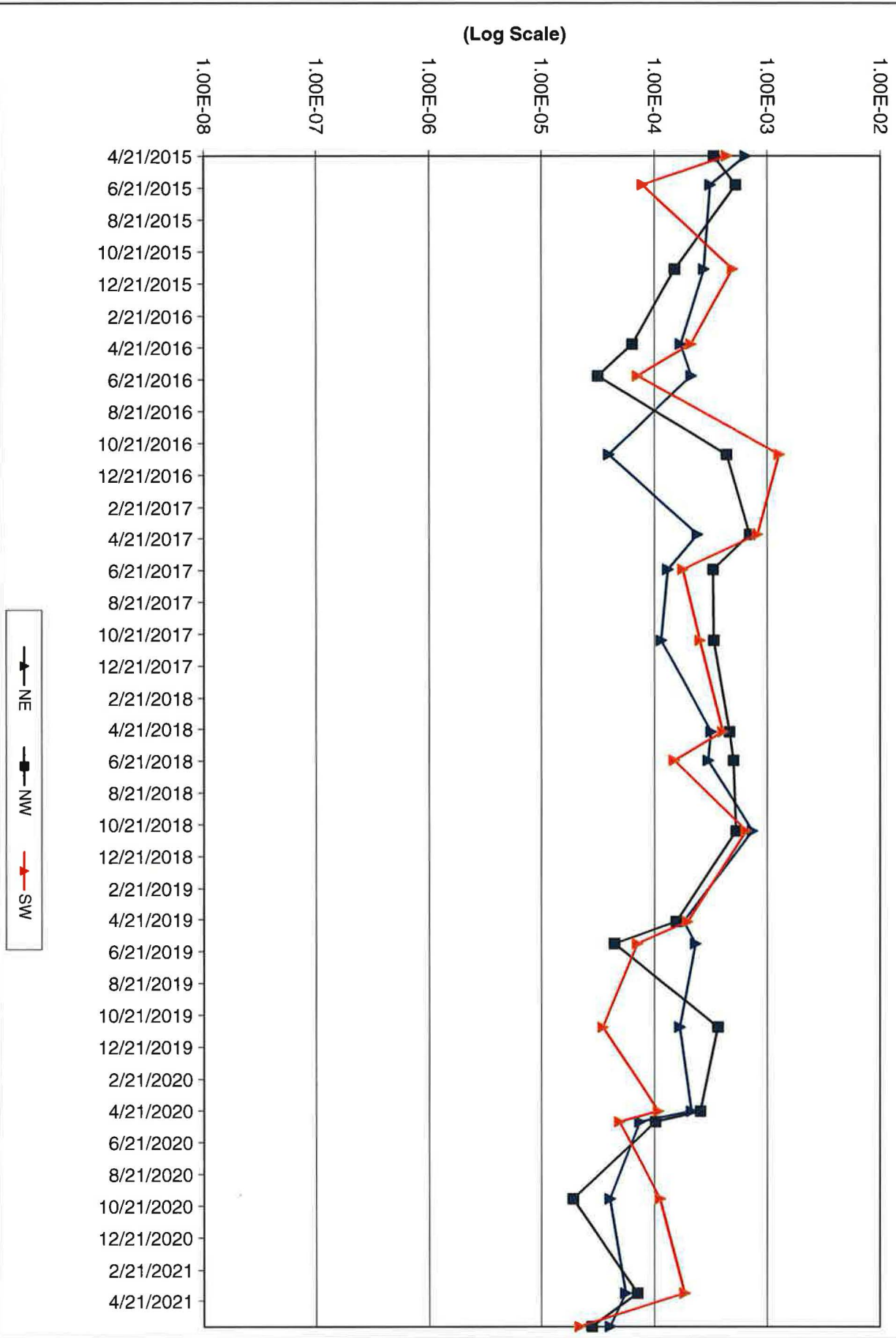
Ra-226 Concentrations in Vegetation (uCi/Kg)



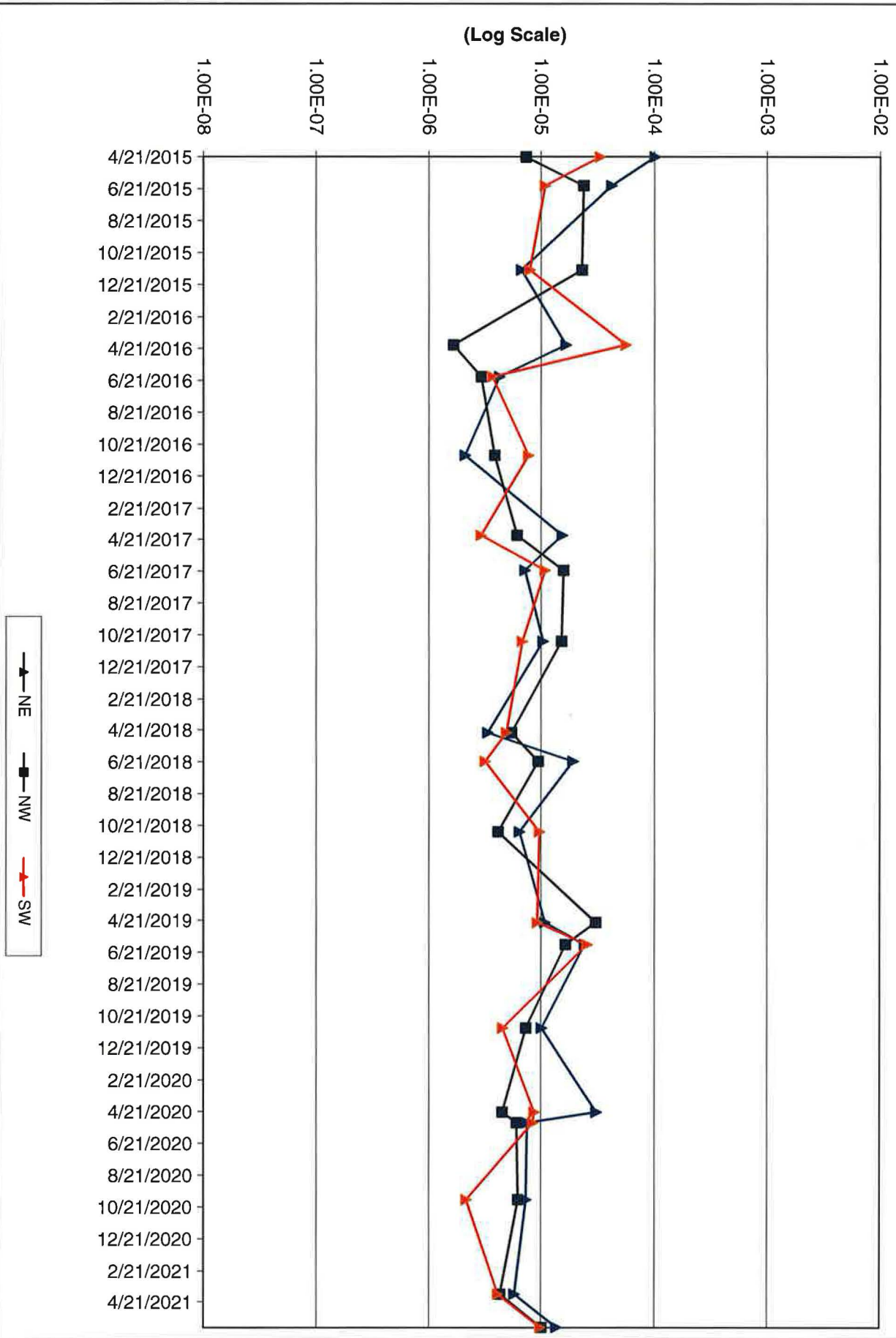
Pb-210 Concentrations In Vegetation (uCi/Kg)



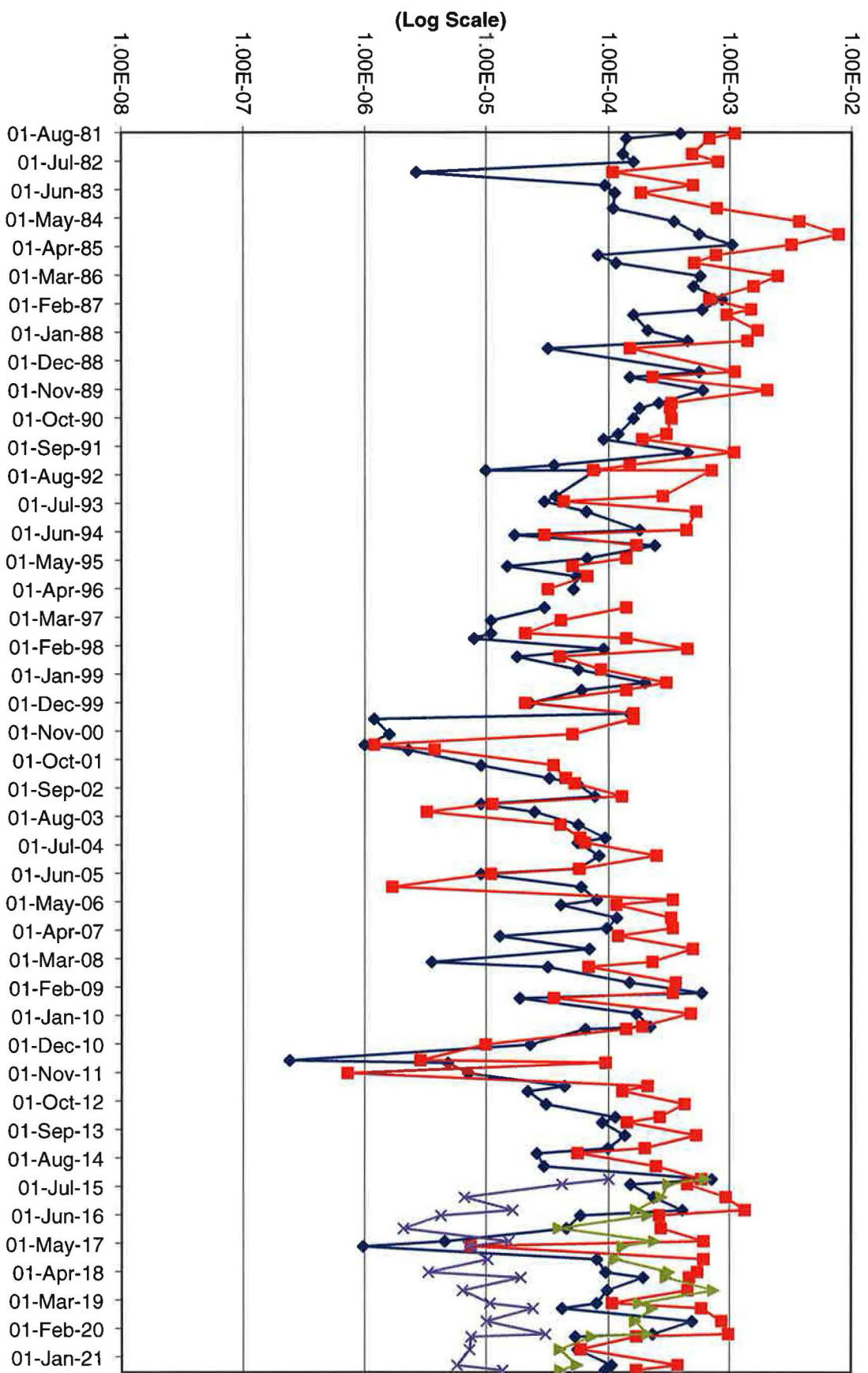
U-NAT Concentrations In Vegetation (uCi/Kg)



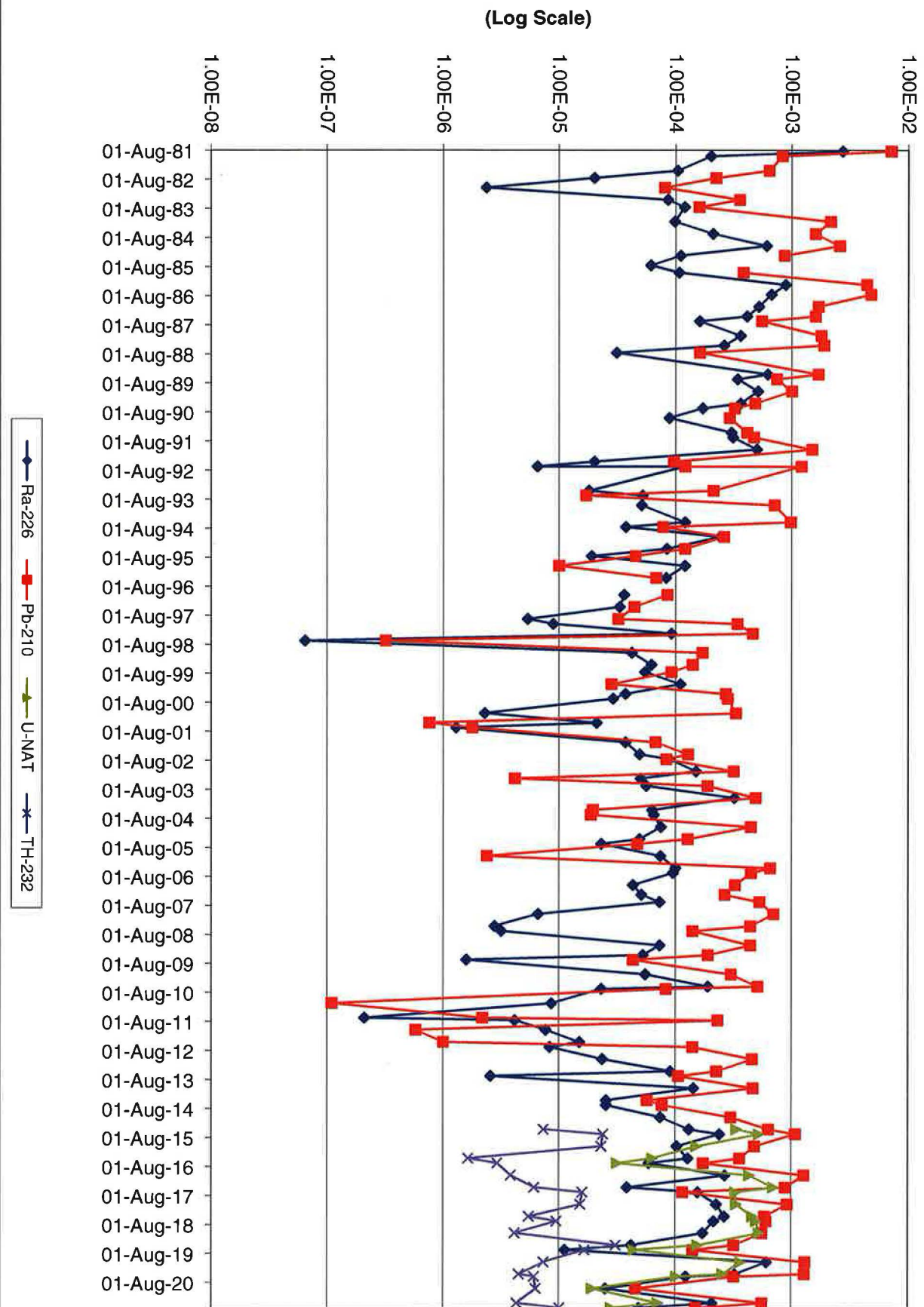
TH-232 Concentrations In Vegetation (uCi/Kg)



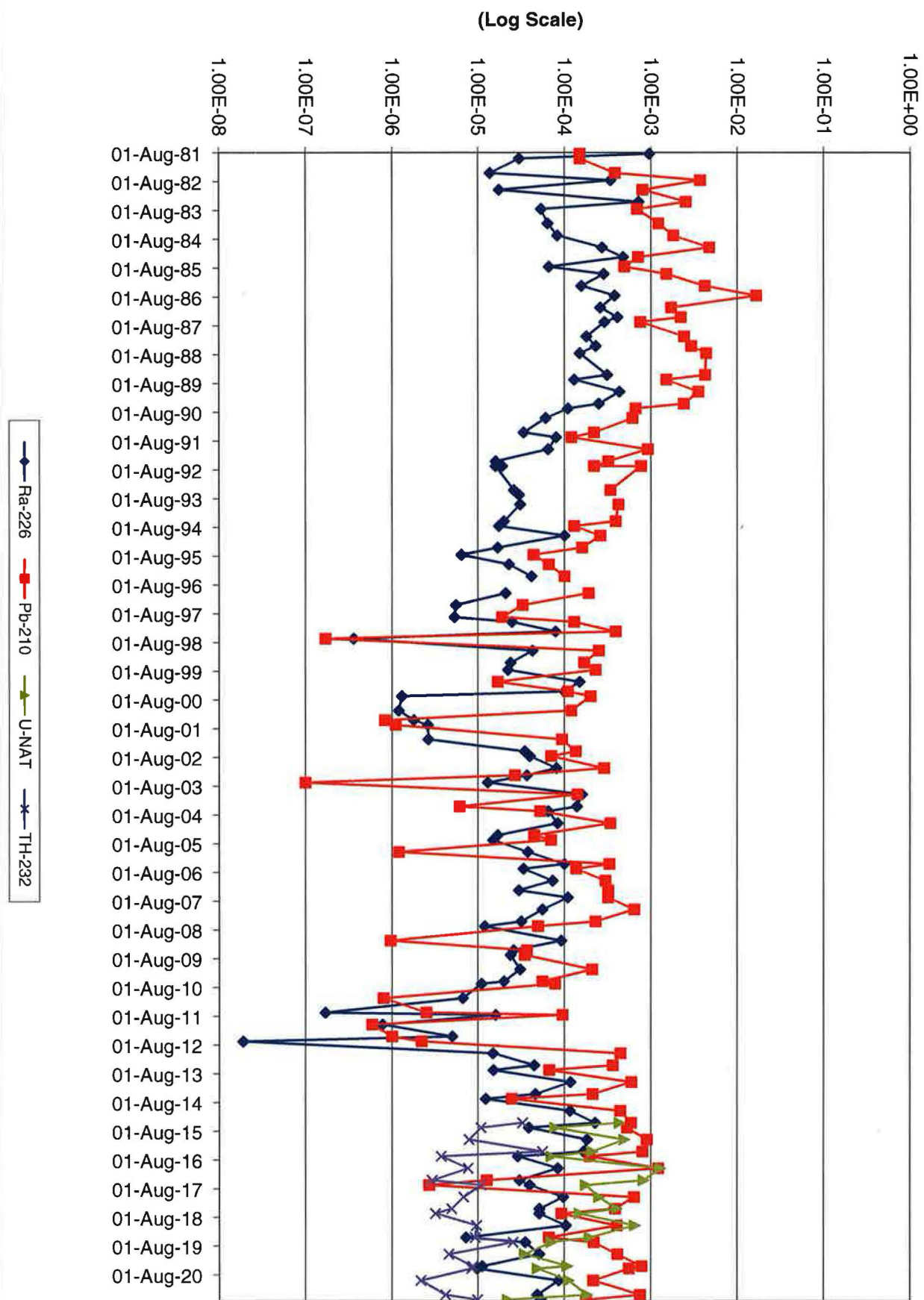
WHITE MESA MILL - NORTHEAST OF MILL Radionuclide Concentrations in Vegetation (uCi/Kg)



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



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



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 (5.0E-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	1.70E-04	1.00E-07	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 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 '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)

*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
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)†
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-07	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)

*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
 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	3.00E-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			Pb-210			U-NAT			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)†
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)

*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).

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: May 10, 2021

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: 540335001	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 06-APR-21 09:30	
Receive Date: 09-APR-21	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "As Received"													
Thorium-232		5.81E-06	+/-8.88E-07	1.19E-06	2.00E-07	uCi/kg			HAKB	05/06/21	1245	2115437	1
Alphaspec U, Solid "As Received"													
Uranium-233/234		2.80E-05	+/-1.68E-06	1.28E-06	2.00E-07	uCi/kg			HAKB	05/05/21	1536	2115438	2
Uranium-235/236		9.55E-07	+/-3.77E-07	3.58E-07	2.00E-07	uCi/kg							
Uranium-238		2.65E-05	+/-1.64E-06	1.48E-06	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "As Received"													
Lead-210		0.000373	+/-2.23E-05	2.75E-05	1.00E-06	uCi/kg			JXC9	05/08/21	0942	2117546	3
GFPC, Total Alpha Radium, solid "As Received"													
Total Radium		0.000106	+/-6.19E-06	2.93E-06	5.00E-08	uCi/kg			JXC9	05/06/21	0854	2117545	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	04/13/21	1122	2114477
DEL Prep Method	Laboratory Composite - Dry prep instructions				2114179

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "As Received"			81.1	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "As Received"			47	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "As Received"			80.3	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "As Received"			89.8	(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 10, 2021

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: 540335001

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------	-------	--------

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: July 15, 2021

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: 547297001	Client ID: DNMI001
Matrix: Vegetation	
Collect Date: 09-JUN-21 13:30	
Receive Date: 15-JUN-21	
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		1.37E-05	+/-2.78E-06	5.32E-06	2.00E-07	uCi/kg			MXS2	07/10/21	1521	2139832	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		1.94E-05	+/-9.20E-07	7.39E-07	2.00E-07	uCi/kg			MXS2	07/10/21	1521	2139833	2
Uranium-235/236		1.28E-06	+/-2.95E-07	5.68E-07	2.00E-07	uCi/kg							
Uranium-238		1.98E-05	+/-9.14E-07	4.60E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000169	+/-1.19E-05	3.16E-05	1.00E-06	uCi/kg			JXK3	07/12/21	1736	2141419	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		9.36E-05	+/-2.95E-06	3.82E-06	5.00E-08	uCi/kg			JXK3	07/08/21	1821	2141418	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	06/16/21	0812	2139667
GEL Prep Method	Laboratory Composite - Dry prep instructions				2139525

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			23.3	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			79.1	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			51.3	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			110	(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: July 15, 2021

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: 547297001

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------------	--------

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 10, 2021

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: 540335002	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 06-APR-21 10:00	
Receive Date: 09-APR-21	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "As Received"													
Thorium-232		4.35E-06	+/-8.63E-07	1.72E-06	2.00E-07	uCi/kg			HAKB	05/06/21	1245	2115437	1
Alphaspec U, Solid "As Received"													
Uranium-233/234		3.33E-05	+/-1.52E-06	9.23E-07	2.00E-07	uCi/kg			HAKB	05/05/21	1536	2115438	2
Uranium-235/236		1.33E-06	+/-3.53E-07	2.50E-07	2.00E-07	uCi/kg							
Uranium-238		3.59E-05	+/-1.57E-06	8.29E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "As Received"													
Lead-210		0.000556	+/-2.64E-05	2.98E-05	1.00E-06	uCi/kg			JXC9	05/08/21	0942	2117546	3
GFPC, Total Alpha Radium, solid "As Received"													
Total Radium		0.000206	+/-7.90E-06	3.01E-06	5.00E-08	uCi/kg			JXC9	05/06/21	1234	2117545	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	04/13/21	1122	2114477
GEL Prep Method	Laboratory Composite - Dry prep instructions				2114179

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "As Received"			78.4	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "As Received"			65.1	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "As Received"			79.7	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "As Received"			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 10, 2021

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: 540335002

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------------	--------

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: July 15, 2021

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: 547297002	Client ID: DNMI001
Matrix: Vegetation	
Collect Date: 09-JUN-21 14:00	
Receive Date: 15-JUN-21	
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		1.01E-05	+/-1.31E-06	2.06E-06	2.00E-07	uCi/kg			MXS2	07/10/21	1521	2139832	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		1.36E-05	+/-1.32E-06	1.70E-06	2.00E-07	uCi/kg			MXS2	07/14/21	2147	2149471	2
Uranium-235/236	U	8.48E-07	+/-4.47E-07	1.08E-06	2.00E-07	uCi/kg							
Uranium-238		1.35E-05	+/-1.30E-06	1.53E-06	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000149	+/-1.42E-05	3.90E-05	1.00E-06	uCi/kg			JXK3	07/12/21	1736	2141419	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		4.82E-05	+/-2.04E-06	2.17E-06	5.00E-08	uCi/kg			JXK3	07/08/21	1822	2141418	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	06/16/21	0812	2139667
GEL Prep Method	Laboratory Composite - Dry prep instructions				2139525

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "Dry Weight Corrected"			62.5	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "Dry Weight Corrected"			64.4	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			31.5	(25%-125%)
Radium Carrier	GFPC, Total Alpha Radium, solid "Dry Weight Corrected"			107	(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: July 15, 2021

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: 547297002

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------	-------	--------

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 10, 2021

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: 540335003	Client ID: DNMI001
Matrix: SOLID	
Collect Date: 06-APR-21 10:30	
Receive Date: 09-APR-21	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Alpha Spec Analysis													
Alphaspec Th-232, Solid "As Received"													
Thorium-232		4.15E-06	+/-1.13E-06	2.87E-06	2.00E-07	uCi/kg			HAKB	05/06/21	1245	2115437	1
Alphaspec U, Solid "As Received"													
Uranium-233/234		8.70E-05	+/-2.86E-06	1.86E-06	2.00E-07	uCi/kg			HAKB	05/05/21	1536	2115438	2
Uranium-235/236		3.83E-06	+/-7.46E-07	1.38E-06	2.00E-07	uCi/kg							
Uranium-238		9.17E-05	+/-2.91E-06	1.47E-06	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "As Received"													
Lead-210		0.000746	+/-3.31E-05	3.18E-05	1.00E-06	uCi/kg			JXC9	05/08/21	0942	2117546	3
GFPC, Total Alpha Radium, solid "As Received"													
Total Radium		4.85E-05	+/-4.92E-06	5.81E-06	5.00E-08	uCi/kg			JXC9	05/06/21	0854	2117545	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	04/13/21	1122	2114477
GEL Prep Method	Laboratory Composite - Dry prep instructions				2114179

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Thorium-229 Tracer	Alphaspec Th-232, Solid "As Received"			59.8	(15%-125%)
Uranium-232 Tracer	Alphaspec U, Solid "As Received"			49.7	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "As Received"			81	(25%-125%)
Barium Carrier	GFPC, Total Alpha Radium, solid "As Received"			99.7	(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: May 10, 2021

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: 540335003

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------------	--------

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: July 15, 2021

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: 547297003	Client ID: DNMI001
Matrix: Vegetation	
Collect Date: 09-JUN-21 13:00	
Receive Date: 15-JUN-21	
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		9.89E-06	+/-1.04E-06	1.15E-06	2.00E-07	uCi/kg			MXS2	07/10/21	1521	2139832	1
Alphaspec U, Solid "Dry Weight Corrected"													
Uranium-233/234		1.04E-05	+/-7.04E-07	7.46E-07	2.00E-07	uCi/kg			MXS2	07/10/21	1521	2139833	2
Uranium-235/236		5.99E-07	+/-2.11E-07	4.17E-07	2.00E-07	uCi/kg							
Uranium-238		1.09E-05	+/-6.98E-07	3.37E-07	2.00E-07	uCi/kg							
Rad Gas Flow Proportional Counting													
GFPC, Pb210, Solid "Dry Weight Corrected"													
Lead-210		0.000178	+/-7.50E-06	1.61E-05	1.00E-06	uCi/kg			JXK3	07/12/21	1737	2141419	3
GFPC, Total Alpha Radium, solid "Dry Weight Corrected"													
Total Radium		5.31E-05	+/-2.15E-06	1.98E-06	5.00E-08	uCi/kg			JXK3	07/08/21	1822	2141418	4

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	CXC1	06/16/21	0812	2139667
DEL Prep Method	Laboratory Composite - Dry prep instructions				2139525

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	DOE EML HASL-300, Th-01-RC Modified	
	DOE EML HASL-300, U-02-RC Modified	
	DOE RP280 Modified	
	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"			74.4	(15%-125%)
Lead Carrier	GFPC, Pb210, Solid "Dry Weight Corrected"			77.3	(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: July 15, 2021

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: 547297003

Project: DNMI00101
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
-----------	-----------	--------	-------------	-----	----	-------	----	----	---------	------	------	-------	--------

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 10, 2021

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

Re: Vegetation Analysis
Work Order: 540335

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 09, 2021. 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,

Nina Gampe for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures



Energy Fuels Resources (USA), Inc.
Vegetation Analysis
SDG: 540335

Case Narrative

**Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 540335**

May 10, 2021

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 09, 2021 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>
540335001	North East
540335002	North West
540335003	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.



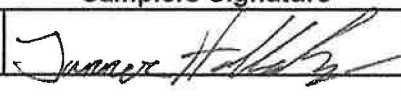
Nina Gampe for
Julie Robinson
Project Manager

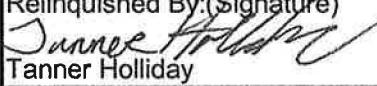
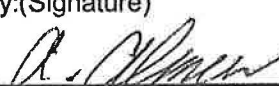
Chain of Custody and Supporting Documentation

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 2021	Tanner Holliday		
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
North East	4/6/2021	930	Ra 226, U-Nat, Th-232, PB 210
North West	4/6/2021	1000	Ra 226, U-Nat, Th-232, PB 210
South West	4/6/2021	1030	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)  Tanner Holliday	Date/Time 4/6/2021 1200	Received By:(Signature) 	Date/Time 4.09.21 1000
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

JR SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMI</u>		SDG/AR/COC/Work Order: <u>540335</u>	
Received By: <u>AJA</u>		Date Received: <u>4/9/21</u>	
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground <u>UPS</u> Field Services Courier Other	
		<u>1Z 187 Y4Y 1Z 9365 7201</u>	
Suspected Hazard Information		Yes	No
A) Shipped as a DOT Hazardous?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
B) Did the client designate the samples are to be received as radioactive?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
C) Did the RSO classify the samples as radioactive?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
D) Did the client designate samples are hazardous?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
E) Did the RSO identify possible hazards?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Receipt Criteria		Yes	No
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments (Use Continuation Form if needed):			

PM (or PMA) review: Initials NRG Date 4/12/21 Page 1 of 1

GEL Laboratories LLC – Login Review Report

Report Date: 10-MAY-21
 Work Order: 540335
 Page 1 of 3

GEL Work Order/SDG: 540335 Early Spring Vegetation 2021
 Client SDG: 540335
 Project Manager: Julie Robinson
 Project Name: DNMI00101 Vegetation Analysis
 Purchase Order: DW16138
 Package Level: LEVEL3
 EDD Format: EIM_DNMI

Work Order Due Date: 11-MAY-21
 Package Due Date: 09-MAY-21
 EDD Due Date: 10-MAY-21
 Due Date: 11-MAY-21
 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
540335001	North East		06-APR-21 09:30	09-APR-21 10:00	-2	1	VEGETATION		32		1		
540335002	North West		06-APR-21 10:00	09-APR-21 10:00	-2	1	VEGETATION		32		1		
540335003	South West		06-APR-21 10:30	09-APR-21 10:00	-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				
	-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					
-003 South West	REVV	Alphaspec U, Solid	U-Natural				
	REVV	GFPC, Pb210, Solid				Client Matrix	SOLID
	REVV	Laboratory Composite – Dry prep instructions					
	REVV	GFPC, Total Alpha Radium, solid	Ra226				
-003 South West	REVV	Alphaspec Th-232, Solid					
	REVV	Alphaspec U, Solid	U-Natural				

GEL Laboratories LLC – Login Review Report

Report Date: 10-MAY-21
 Work Order: 540335
 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: "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?
-------	----------	--------------------------	-----------------	---------------	---------------------	-----------------	--------------

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: "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?
-------	----------	--------------------------	-----------------	---------------	---------------------	-----------------	--------------

	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: "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?
-------	----------	--------------------------	-----------------	---------------	---------------------	-----------------	--------------

7440-29-1	Thorium-232	.0000002	uCi/kg	REG	Y	Y	Yes
-----------	-------------	----------	--------	-----	---	---	-----

GEL Laboratories LLC – Login Review Report

Report Date: 10-MAY-21

Work Order: 540335

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: "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?
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, change from DRY to WET in sample inquiry.
Login Reminder?	N	FOR VEGETATION: After logging in, change from DRY to WET 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 10 May 2021

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	SC000122021-1
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	T104704235-21-19
Utah NELAP	SC000122020-34
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources
SDG #: 540335**

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: 2115437

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2114477

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2114179

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
540335001	North East
540335002	North West
540335003	South West
1204796098	Method Blank (MB)
1204796099	540335001(North East) Sample Duplicate (DUP)
1204796100	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" 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
1204796098 (MB)	Thorium-232	Result -0.0000000547 < MDA 0.00000169 > RDL 0.0000002 uCi/kg

Product: Alphaspec U, Solid
Analytical Method: DOE EML HASL-300, U-02-RC Modified
Analytical Procedure: GL-RAD-A-011 REV# 28
Analytical Batch: 2115438

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2114477

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2114179

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
540335001	North East
540335002	North West
540335003	South West
1204796101	Method Blank (MB)
1204796102	540335001(North East) Sample Duplicate (DUP)
1204796103	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" 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
1204796101 (MB)	Uranium-233/234	Result -0.000000521 < MDA 0.0000012 > RDL 0.0000002 uCi/kg
	Uranium-235/236	Result 0.000000215 < MDA 0.000000549 > RDL 0.0000002 uCi/kg
	Uranium-238	Result 0.000000116 < MDA 0.00000103 > RDL 0.0000002 uCi/kg

Miscellaneous Information

Manual Integration

Manual integration of alpha spectroscopy spectra 540335001 (North East) 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: 2114477

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2114179

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
540335001	North East
540335002	North West
540335003	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, Total Alpha Radium, solid
Analytical Method: EPA 903.0
Analytical Procedure: GL-RAD-A-010 REV# 21
Analytical Batch: 2117545

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2114477

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2114179

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
540335001	North East
540335002	North West
540335003	South West
1204800385	Method Blank (MB)
1204800386	540335002(North West) Sample Duplicate (DUP)
1204800387	540335002(North West) Matrix Spike (MS)
1204800388	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" 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 were pieces of wood, twigs and dirt.

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
1204800386 (North WestDUP)	Total Radium	RPD 21.5* (0.00%-20.00%) RER 2.11 (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
1204800385 (MB)	Total Radium	Result 0.000000634 < MDA 0.00000552 > RDL 0.00000005 uCi/kg

Technical Information

Recounts

Samples 1204800387 (North WestMS) and 1204800388 (LCS) were recounted due to low recovery. The recounts are reported. Samples 1204800385 (MB), 540335001 (North East) and 540335003 (South West) were recounted to verify sample results. Recounts are reported. Samples 1204800386 (North WestDUP) and 540335002 (North West) were recounted due to high relative percent difference/relative error ratio. The recounts are reported.

Product: GFPC, Pb210, Solid

Analytical Method: DOE RP280 Modified

Analytical Procedure: GL-RAD-A-018 REV# 16

Analytical Batch: 2117546

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2114477

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2114179

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
540335001	North East
540335002	North West
540335003	South West
1204800389	Method Blank (MB)
1204800390	540335001(North East) Sample Duplicate (DUP)
1204800391	540335001(North East) Matrix Spike (MS)
1204800392	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" 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
1204800389 (MB)	Lead-210	Result 0.0000324 < MDA 0.0000472 > RDL 0.000001 uCi/kg

Technical Information

Recounts

Sample 1204800389 (MB) was recounted due to a suspected blank false positive. The recount is 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: 540335 GEL Work Order: 540335

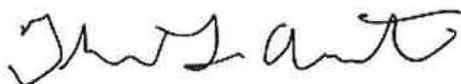
The Qualifiers in this report are defined as follows:

- * 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: 10 MAY 2021

Title: Group Leader

GEL LABORATORIES LLC

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

QC Summary

Report Date: May 10, 2021

Page 1 of

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

Workorder: 540335

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch 2115437											
QC1204796099	540335001	DUP									
Thorium-232		5.81E-06		4.24E-06	uCi/kg	31.2		(0% - 100%)	HAKB	05/06/21	12:4
		Uncertainty +/-8.88E-07		+/-7.14E-07							
QC1204796100	LCS										
Thorium-232	0.000129			0.000129	uCi/kg		99.6	(75%-125%)		05/06/21	12:4
	Uncertainty			+/-4.11E-06							
QC1204796098	MB										
Thorium-232			U	-5.47E-08	uCi/kg					05/06/21	12:4
	Uncertainty			+/-4.35E-07							
Batch 2115438											
QC1204796102	540335001	DUP									
Uranium-233/234		2.80E-05		2.87E-05	uCi/kg	2.25		(0%-20%)	HAKB	05/05/21	15:3
		Uncertainty +/-1.68E-06		+/-1.76E-06							
Uranium-235/236		9.55E-07		2.18E-06	uCi/kg	78.1		(0% - 100%)			
		Uncertainty +/-3.77E-07		+/-5.73E-07							
Uranium-238		2.65E-05		3.16E-05	uCi/kg	17.8		(0%-20%)			
		Uncertainty +/-1.64E-06		+/-1.73E-06							
QC1204796103	LCS										
Uranium-233/234				6.93E-05	uCi/kg					05/05/21	15:3
		Uncertainty		+/-1.91E-06							
Uranium-235/236				3.96E-06	uCi/kg						
		Uncertainty		+/-5.35E-07							
Uranium-238	6.78E-05			6.86E-05	uCi/kg		101	(75%-125%)			
	Uncertainty			+/-1.89E-06							
QC1204796101	MB										
Uranium-233/234			U	-5.21E-07	uCi/kg					05/05/21	15:3
		Uncertainty		+/-2.72E-07							
Uranium-235/236			U	2.15E-07	uCi/kg						
		Uncertainty		+/-1.90E-07							

GEL LABORATORIES LLC

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

QC Summary

Workorder: 540335

Page 2 of

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch 2115438											
Uranium-238			U	1.16E-07	uCi/kg				HAKB	05/05/21	15:3
	Uncertainty			+/-2.84E-07							
Rad Gas Flow											
Batch 2117545											
QC1204800386	540335002	DUP									
Total Radium		0.000206		0.000166	uCi/kg	21.5*		(0%-20%)	JXC9	05/06/21	12:3
	Uncertainty	+/-7.90E-06		+/-8.42E-06							
QC1204800388	LCS										
Total Radium		0.00263		0.00217	uCi/kg		82.5	(75%-125%)		05/06/21	12:3
	Uncertainty			+/-3.41E-05							
QC1204800385	MB										
Total Radium			U	6.34E-07	uCi/kg					05/06/21	12:3
	Uncertainty			+/-1.32E-06							
QC1204800387	540335002	MS									
Total Radium		0.00952		0.000206	uCi/kg		75.5	(75%-125%)		05/06/21	12:3
	Uncertainty	+/-7.90E-06		+/-0.000110							
Batch 2117546											
QC1204800390	540335001	DUP									
Lead-210		0.000373		0.000411	uCi/kg	9.79		(0%-20%)	JXC9	05/08/21	09:4
	Uncertainty	+/-2.23E-05		+/-2.47E-05							
QC1204800392	LCS										
Lead-210		0.00398		0.00402	uCi/kg		101	(75%-125%)		05/08/21	09:4
	Uncertainty			+/-6.95E-05							
QC1204800389	MB										
Lead-210			U	3.24E-05	uCi/kg					05/08/21	12:5
	Uncertainty			+/-1.46E-05							
QC1204800391	540335001	MS									
Lead-210		0.0151		0.000373	uCi/kg		102	(75%-125%)		05/08/21	09:4
	Uncertainty	+/-2.23E-05		+/-0.000266							

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: 540335

Page 3 of

Parmname	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 either the sample or 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.



July 15, 2021

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

Re: Vegetation Analysis
Work Order: 547297

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 15, 2021. 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: 547297

Case Narrative

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 547297

July 15, 2021

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 June 15, 2021 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>
547297001	North East
547297002	North West
547297003	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

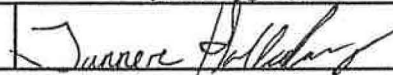
Chain of Custody and Supporting Documentation

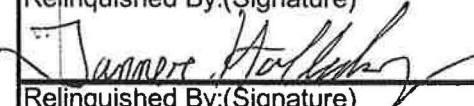
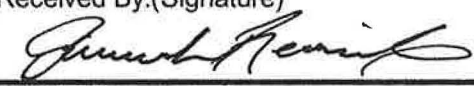
547297

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 2021	Tanner Holliday		
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
North East	6/9/2021	1330	Ra 226, U-Nat, Th-232, PB 210
North West	6/9/2021	1400	Ra 226, U-Nat, Th-232, PB 210
South West	6/9/2021	1300	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) 	Date/Time 6/10/2021 1130	Received By:(Signature) 	Date/Time 6/15/21 1015
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

JR

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI SDG/AR/COC/Work Order: 547 297
 Received By: [Signature] Date Received: 6/15/21
 Carrier and Tracking Number: 12 187 144 12 9955 4007

Circle Applicable
 FedEx Express FedEx Ground UPS Field Services Courier Other

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? 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): 0 CPM/mR/hr
 Classified as: Rad 1 Rad 2 Rad 3

D) Did the client designate samples are hazardous? 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.
 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: <u>24</u>
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>11421</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 [Signature] Date 6/16/21 Page 1 of 1

GEL Laboratories LLC – Login Review Report

Report Date: 15-JUL-21

Work Order: 547297

Page 1 of 3

GEL Work Order/SDG: 547297 Late Spring Vegetation
 Client SDG: 547297
 Project Manager: Julie Robinson
 Project Name: DNMI00101 Vegetation Analysis
 Purchase Order: DW16138
 Package Level: LEVEL3
 EDD Format: EIM_DNMI

Work Order Due Date: 15-JUL-21
 Package Due Date: 13-JUL-21
 EDD Due Date: 14-JUL-21
 Due Date: 15-JUL-21
 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
547297001	North East		09-JUN-21 13:30	15-JUN-21 10:15	-2	1	VEGETATION		30		1		
547297002	North West		09-JUN-21 14:00	15-JUN-21 10:15	-2	1	VEGETATION		30		1		
547297003	South West		09-JUN-21 13:00	15-JUN-21 10:15	-2	1	VEGETATION		30		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 North East	REVV	GFPC, Pb210, 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					
	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					
	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: 15-JUL-21
 Work Order: 547297
 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: 15-JUL-21

Work Order: 547297

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
--------	--------------	-------------	---------

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 15 July 2021

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	SC000122021-1
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	1012002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-21-19
Utah NELAP	SC000122021-35
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources
SDG #: 547297**

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: 2139832

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2139525

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

GEL Sample ID#	Client Sample Identification
547297001	North East
547297002	North West
547297003	South West
1204844469	Method Blank (MB)
1204844470	547297001(North East) Sample Duplicate (DUP)
1204844471	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
1204844469 (MB)	Thorium-232	Result 0.0000000965 < MDA 0.00000196 > RDL 0.0000002 uCi/kg

Technical Information

Recounts

Sample 1204844469 (MB) was recounted due to a suspected false positive. The recount is reported.

Miscellaneous Information

Manual Integration

Manual integration of alpha spectroscopy spectra 547297002 (North West) was performed to fully separate counts in Regions of Interest which would have been biased.

Additional Comments

The tracer peak centroid for sample 547297002 (North West) 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 U, Solid

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

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

Analytical Batch: 2139833

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2139525

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
547297001	North East
547297003	South West
1204844472	Method Blank (MB)
1204844473	547297001(North East) Sample Duplicate (DUP)
1204844474	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
1204844472 (MB)	Uranium-233/234	Result 0.000000186 < MDA 0.000000643 > RDL 0.0000002 uCi/kg

	Uranium-235/236	Result 0.000000167 < MDA 0.000000425 > RDL 0.0000002 uCi/kg
	Uranium-238	Result 0.000000225 < MDA 0.00000043 > 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 high activity of other isotopes and in attempt to minimize interference. The sample was counted the maximum count time in order to achieve the lowest possible MDAs.

Sample	Analyte	Value
1204844473 (North EastDUP)	Uranium-235/236	Result 0.000000592 < MDA 0.000000809 > RDL 0.0000002 uCi/kg

Technical Information

Recounts

Sample 1204844472 (MB) was recounted due to a suspected false positive. The recount is reported.

Product: Alphaspec U, Solid

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

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

Analytical Batch: 2149471

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2139525

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
547297002	North West
1204862191	Method Blank (MB)
1204862192	Laboratory Control Sample (LCS)
1204862193	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
1204862191 (MB)	Uranium-233/234	Result -0.000000477 < MDA 0.00000132 > RDL 0.0000002 uCi/kg
	Uranium-235/236	Result 0.0000000811 < MDA 0.000000897 > RDL 0.0000002 uCi/kg
	Uranium-238	Result 0.000000262 < MDA 0.00000116 > 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
547297002 (North West)	Uranium-235/236	Result 0.000000848 < MDA 0.00000108 > RDL 0.0000002 uCi/kg

Technical Information

Sample Re-prep/Re-analysis

Sample 547297002 (North West) was re-prepped due to low carrier/tracer yield. The re-analysis is being reported.

Product: Dry Weight

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2139525

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
547297001	North East
547297002	North West
547297003	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, Total Alpha Radium, solid
Analytical Method: EPA 903.0
Analytical Procedure: GL-RAD-A-010 REV# 21
Analytical Batch: 2141418

Preparation Method: Dry Soil Prep
Preparation Procedure: GL-RAD-A-021 REV# 24
Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method
Composite Preparation Procedure: GL-RAD-A-026 REV# 18
Composite Preparation Batch: 2139525

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
547297001	North East
547297002	North West
547297003	South West
1204847292	Method Blank (MB)
1204847293	547297001(North East) Sample Duplicate (DUP)
1204847294	547297001(North East) Matrix Spike (MS)
1204847295	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. sticks mixed with dirt

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
1204847292 (MB)	Total Radium	Result 0.000000128 < MDA 0.00000244 > RDL 0.00000005 uCi/kg

Miscellaneous Information

Additional Comments

The matrix spike, 1204847294 (North EastMS), aliquot was reduced to conserve sample volume.

Product: GFPC, Pb210, Solid

Analytical Method: DOE RP280 Modified

Analytical Procedure: GL-RAD-A-018 REV# 16

Analytical Batch: 2141419

Preparation Method: Dry Soil Prep

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

Preparation Batch: 2139667

Composite Preparation Method: GEL Prep Method

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

Composite Preparation Batch: 2139525

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
547297001	North East
547297002	North West
547297003	South West
1204847299	Method Blank (MB)
1204847300	547297002(North West) Sample Duplicate (DUP)
1204847301	547297002(North West) Matrix Spike (MS)
1204847302	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. sticks mixed with dirt

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
1204847299 (MB)	Lead-210	Result 0.0000152 < MDA 0.0000184 > RDL 0.000001 uCi/kg

Technical Information

Recounts

Samples 1204847299 (MB), 1204847300 (North WestDUP), 547297001 (North East), 547297002 (North West) and 547297003 (South West) were recounted due to a suspected blank false positive. The recounts are reported.

Miscellaneous Information

Additional Comments

The matrix spike, 1204847301 (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: 547297 GEL Work Order: 547297

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: 15 JUL 2021

Title: Group Leader

GEL LABORATORIES LLC

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

QC Summary

Report Date: July 15, 2021

Page 1 of

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

Contact:

Workorder: 547297

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch	2139832										
QC1204844470	547297001	DUP									
Thorium-232		1.37E-05		1.25E-05	uCi/kg	8.74		(0% - 100%)	MXS2	07/10/21	15:2
		Uncertainty +/-2.78E-06		+/-2.16E-06							
QC1204844471	LCS										
Thorium-232	0.000132			0.000132	uCi/kg		99.8	(75%-125%)		07/10/21	15:2
	Uncertainty			+/-3.99E-06							
QC1204844469	MB										
Thorium-232			U	9.65E-08	uCi/kg					07/12/21	15:4
	Uncertainty			+/-5.18E-07							
Batch 2139833											
QC1204844473	547297001	DUP									
Uranium-233/234		1.94E-05		1.96E-05	uCi/kg	0.908		(0%-20%)	MXS2	07/10/21	15:2
		Uncertainty +/-9.20E-07		+/-1.06E-06							
Uranium-235/236		1.28E-06	U	5.92E-07	uCi/kg	45.4		(0% - 100%)			
		Uncertainty +/-2.95E-07		+/-2.87E-07							
Uranium-238		1.98E-05		1.75E-05	uCi/kg	12.5		(0%-20%)			
		Uncertainty +/-9.14E-07		+/-9.78E-07							
QC1204844474	LCS										
Uranium-233/234				6.55E-05	uCi/kg					07/10/21	15:2
		Uncertainty		+/-1.74E-06							
Uranium-235/236				3.99E-06	uCi/kg						
		Uncertainty		+/-4.81E-07							
Uranium-238	6.80E-05			6.35E-05	uCi/kg		93.4	(75%-125%)			
	Uncertainty			+/-1.70E-06							
QC1204844472	MB										
Uranium-233/234			U	1.86E-07	uCi/kg					07/12/21	15:5
		Uncertainty		+/-1.91E-07							
Uranium-235/236			U	1.67E-07	uCi/kg						
		Uncertainty		+/-1.47E-07							

GEL LABORATORIES LLC

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

QC Summary

Workorder: 547297

Page 2 of

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Alpha Spec											
Batch	2139833										
Uranium-238			U	2.25E-07	uCi/kg				MXS2	07/12/21	15:5
	Uncertainty			+/-1.49E-07							
<hr/>											
Batch	2149471										
QC1204862192	LCS										
Uranium-233/234				0.000134	uCi/kg				MXS2	07/14/21	21:4
	Uncertainty			+/-3.10E-06							
Uranium-235/236				6.21E-06	uCi/kg						
	Uncertainty			+/-7.57E-07							
Uranium-238	0.000136			0.000139	uCi/kg			102 (75%-125%)			
	Uncertainty			+/-3.14E-06							
QC1204862193	LCSD										
Uranium-233/234				0.000131	uCi/kg	2.38				07/14/21	21:4
	Uncertainty			+/-3.27E-06							
Uranium-235/236				6.70E-06	uCi/kg	7.65					
	Uncertainty			+/-8.31E-07							
Uranium-238	0.000136			0.000133	uCi/kg	4.17	97.9	(0%-20%)			
	Uncertainty			+/-3.29E-06							
QC1204862191	MB										
Uranium-233/234			U	-4.77E-07	uCi/kg					07/14/21	21:4
	Uncertainty			+/-3.08E-07							
Uranium-235/236			U	8.11E-08	uCi/kg						
	Uncertainty			+/-2.43E-07							
Uranium-238			U	2.62E-07	uCi/kg						
	Uncertainty			+/-3.35E-07							
<hr/>											
Rad Gas Flow											
Batch	2141418										
QC1204847293	547297001 DUP										
Total Radium		9.36E-05		8.30E-05	uCi/kg	12		(0%-20%)	JXK3	07/08/21	18:2
	Uncertainty	+/-2.95E-06		+/-2.76E-06							
QC1204847295	LCS										
Total Radium	0.00526			0.00472	uCi/kg		89.8	(75%-125%)		07/08/21	12:0
	Uncertainty			+/-6.17E-05							

GEL LABORATORIES LLC

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

QC Summary

Workorder: 547297

Page 3 of

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2141418										
QC1204847292	MB										
Total Radium			U	1.28E-07	uCi/kg				JXK3	07/08/21	18:2
	Uncertainty			+/-6.93E-07							
QC1204847294	547297001 MS										
Total Radium	0.0224	9.36E-05		0.0214	uCi/kg		95.2	(75%-125%)		07/08/21	12:0
	Uncertainty	+/-2.95E-06		+/-0.000267							
Batch	2141419										
QC1204847300	547297002 DUP										
Lead-210		0.000149		0.000139	uCi/kg	7.12		(0% - 100%)	JXK3	07/12/21	17:3
	Uncertainty	+/-1.42E-05		+/-1.30E-05							
QC1204847302	LCS										
Lead-210	0.00827			0.00833	uCi/kg		101	(75%-125%)		07/07/21	11:2
	Uncertainty			+/-0.000137							
QC1204847299	MB										
Lead-210			U	1.52E-05	uCi/kg					07/12/21	17:3
	Uncertainty			+/-5.69E-06							
QC1204847301	547297002 MS										
Lead-210	0.0341	0.000149		0.0387	uCi/kg		113	(75%-125%)		07/07/21	11:2
	Uncertainty	+/-1.42E-05		+/-0.000598							

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 547297

Page 4 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
M		Matrix Related Failure								
N/A		RPD or %Recovery limits do not apply.								
N1		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								
^		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 either the sample or 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.

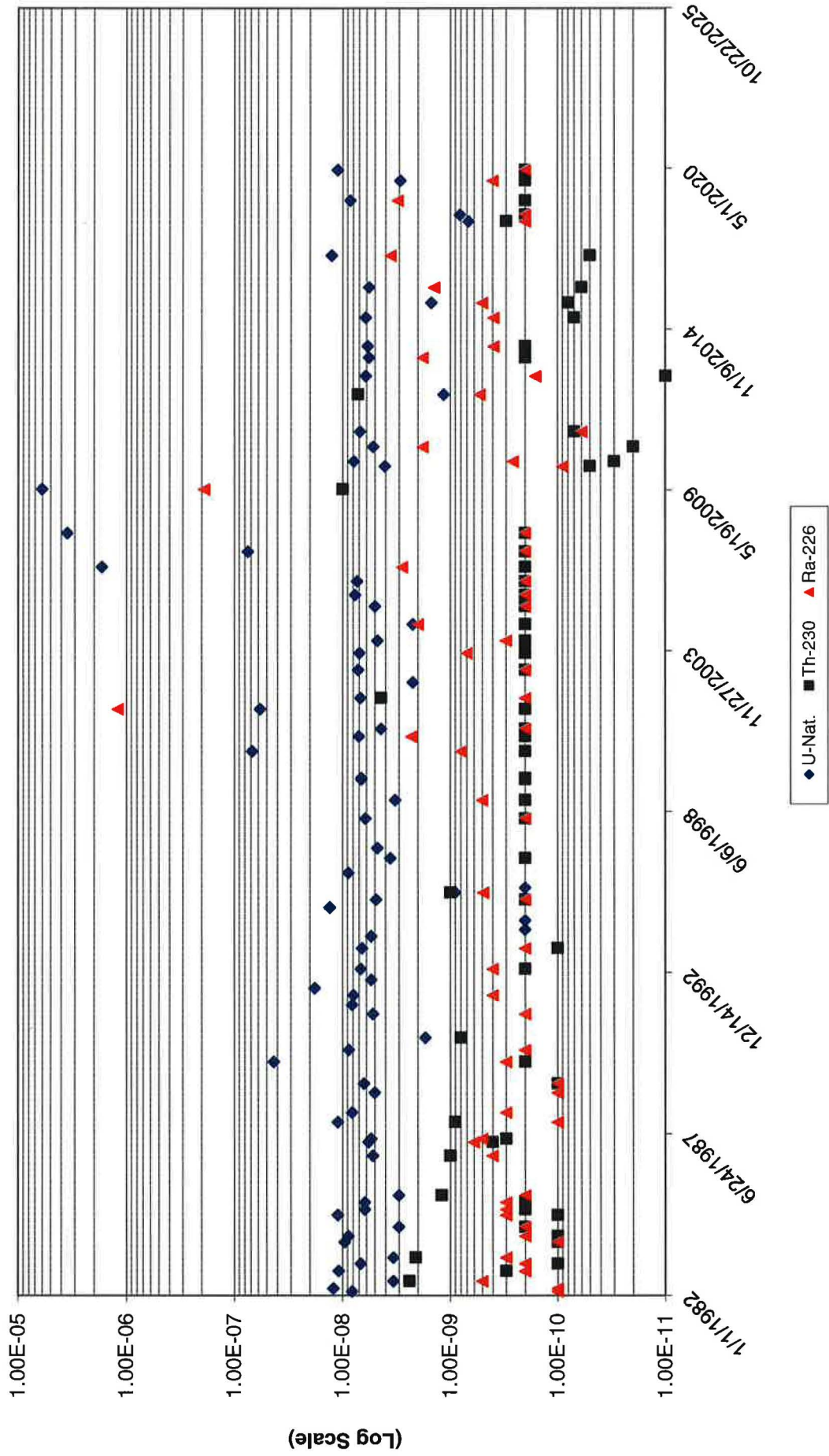
ATTACHMENT G

STACK SAMPLE LABORATORY RESULTS

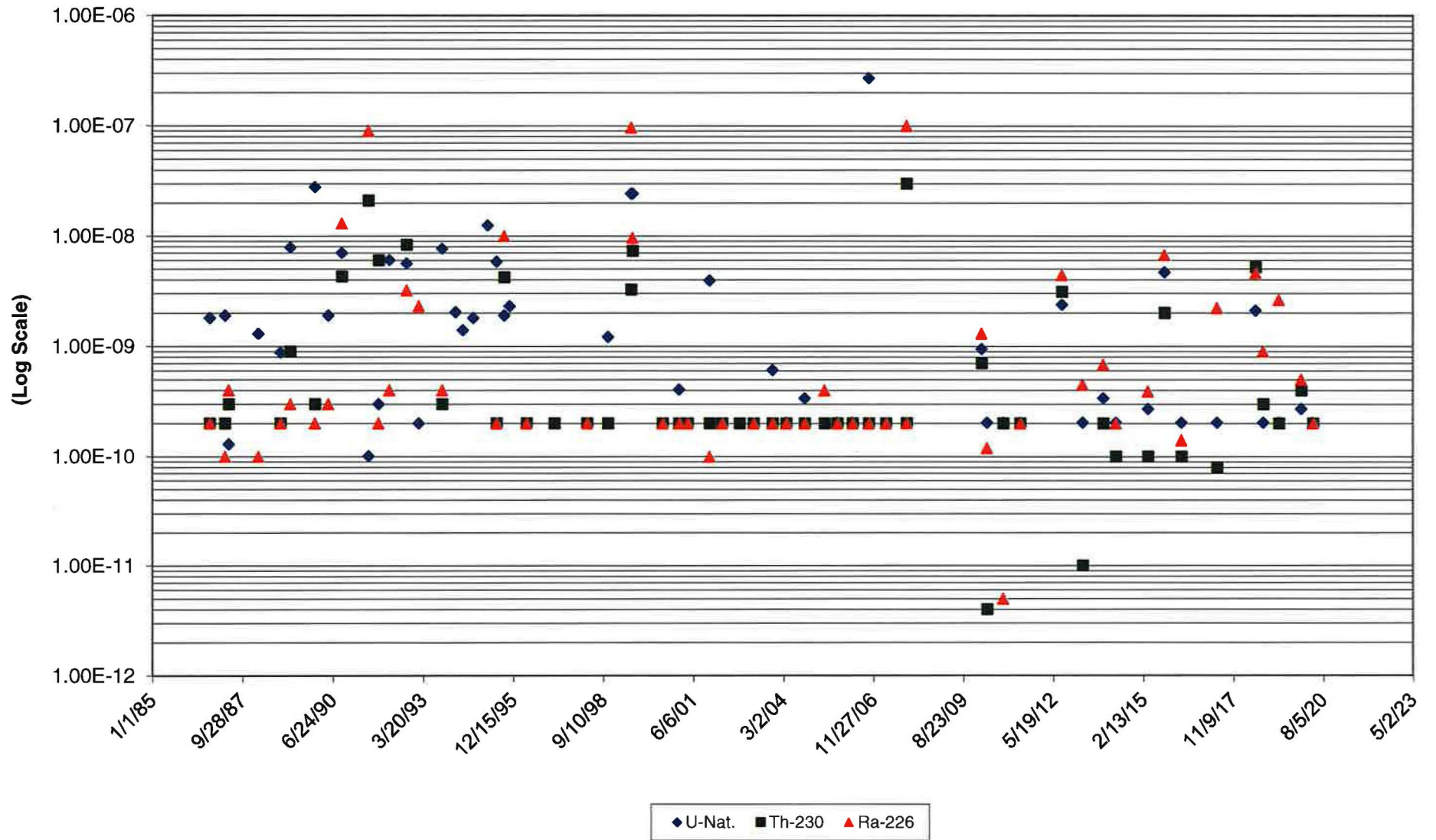
This attachment has been deliberately left blank.

ATTACHMENT H
SURFACE WATER GRAPHS AND FIELD DATA SHEETS

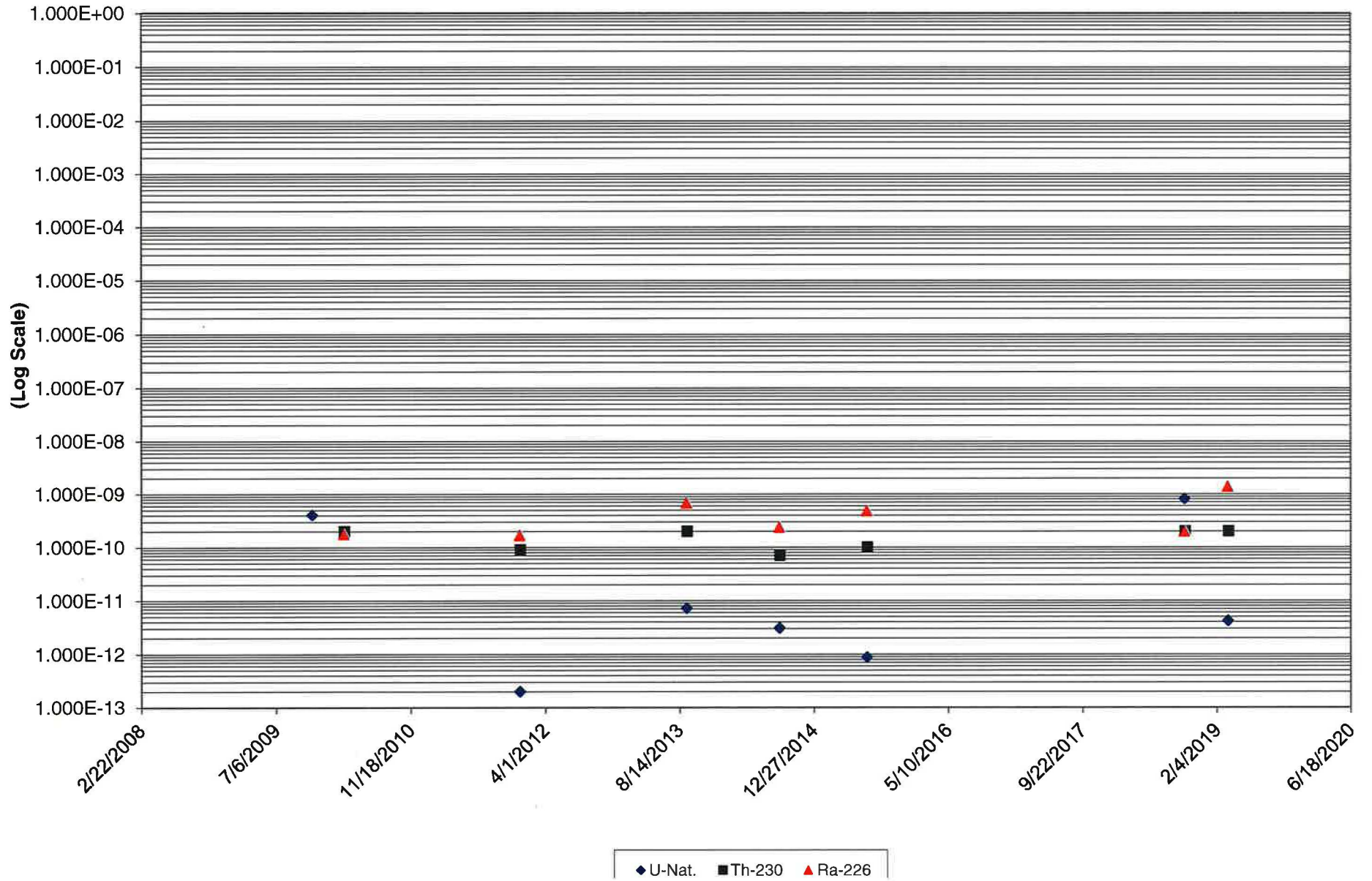
Cottonwood Creek Dissolved Radionuclide Concentrations (uCi/ml)



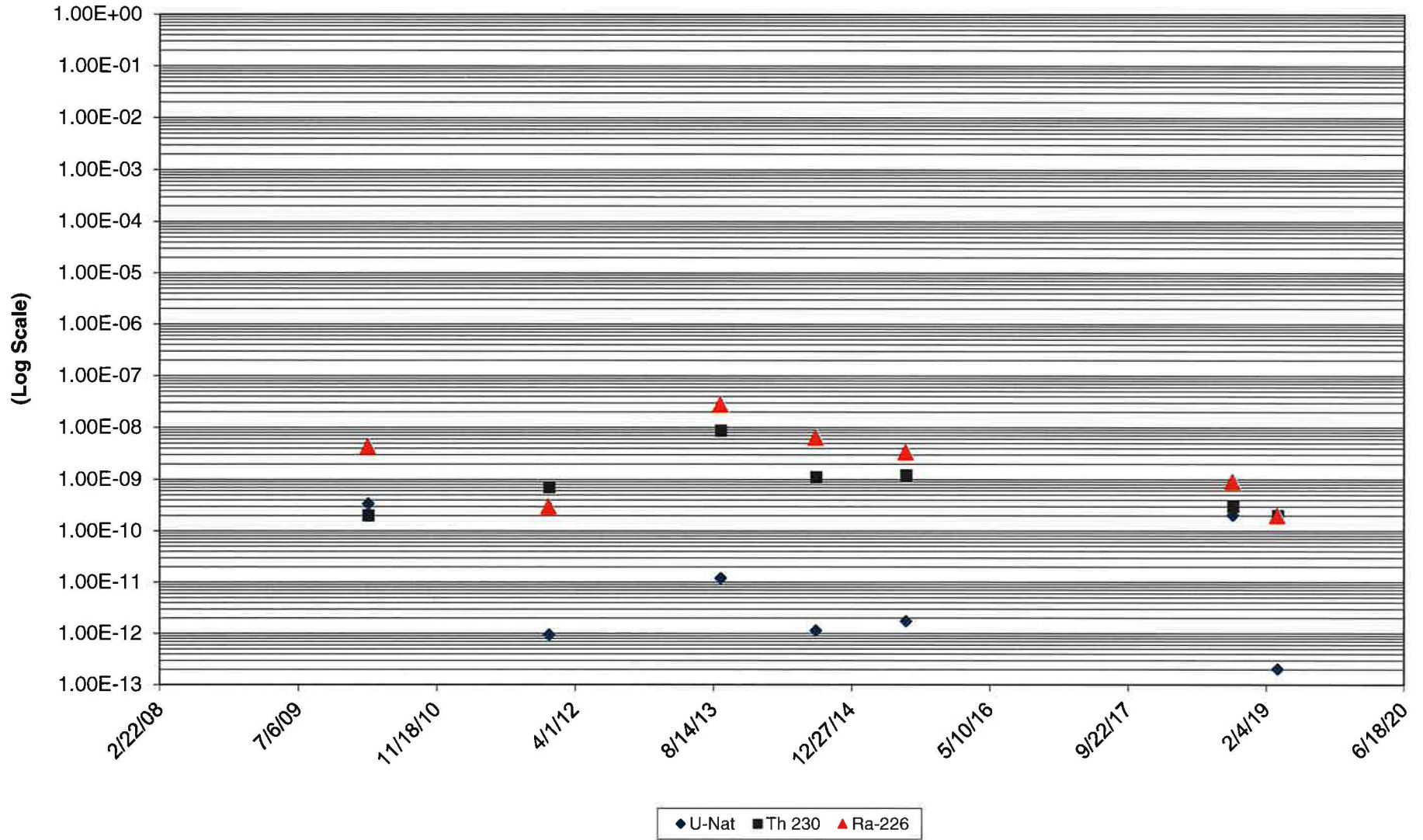
Cottonwood Creek Suspended Radionuclide Concentrations (uCi/ml)



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: 2/9/2021, 2/25/2021, 3/31/2021

BY: Tanner Holliday
(Sampler's initials)

pH BUFFER 7.0 7.0

pH BUFFER 4.0 4.0

SPECIFIC CONDUCTIVITY ~ 1000

μ MHOs

STEAM DEPTH: N/A

pH of WATER N/A

TEMP N/A

COND μ hos N/A

COND μ hos N/A

pH Units |

pH units |

Temp °C |

Temp °C |

COND μ hos N/A

COND μ hos N/A

pH units |

pH units |

Temp °C |

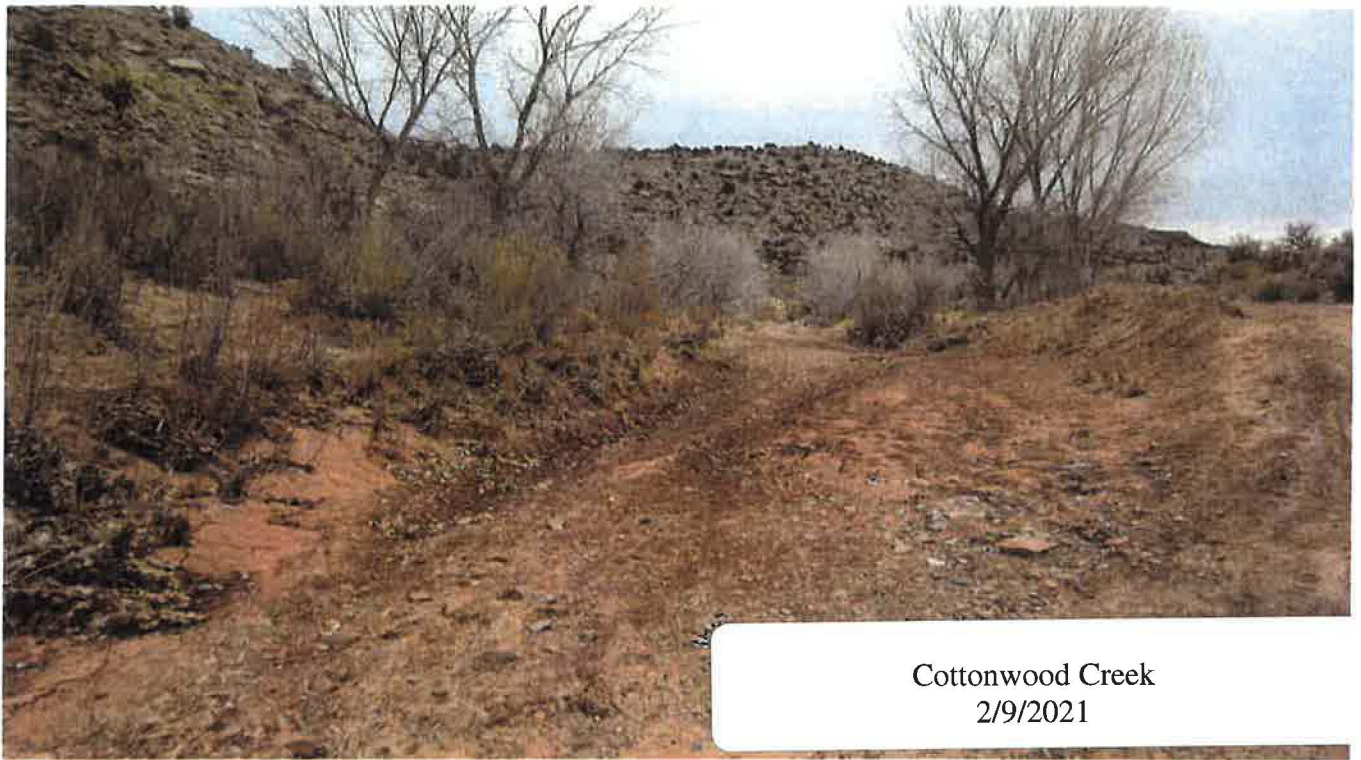
Temp °C |

Comments:

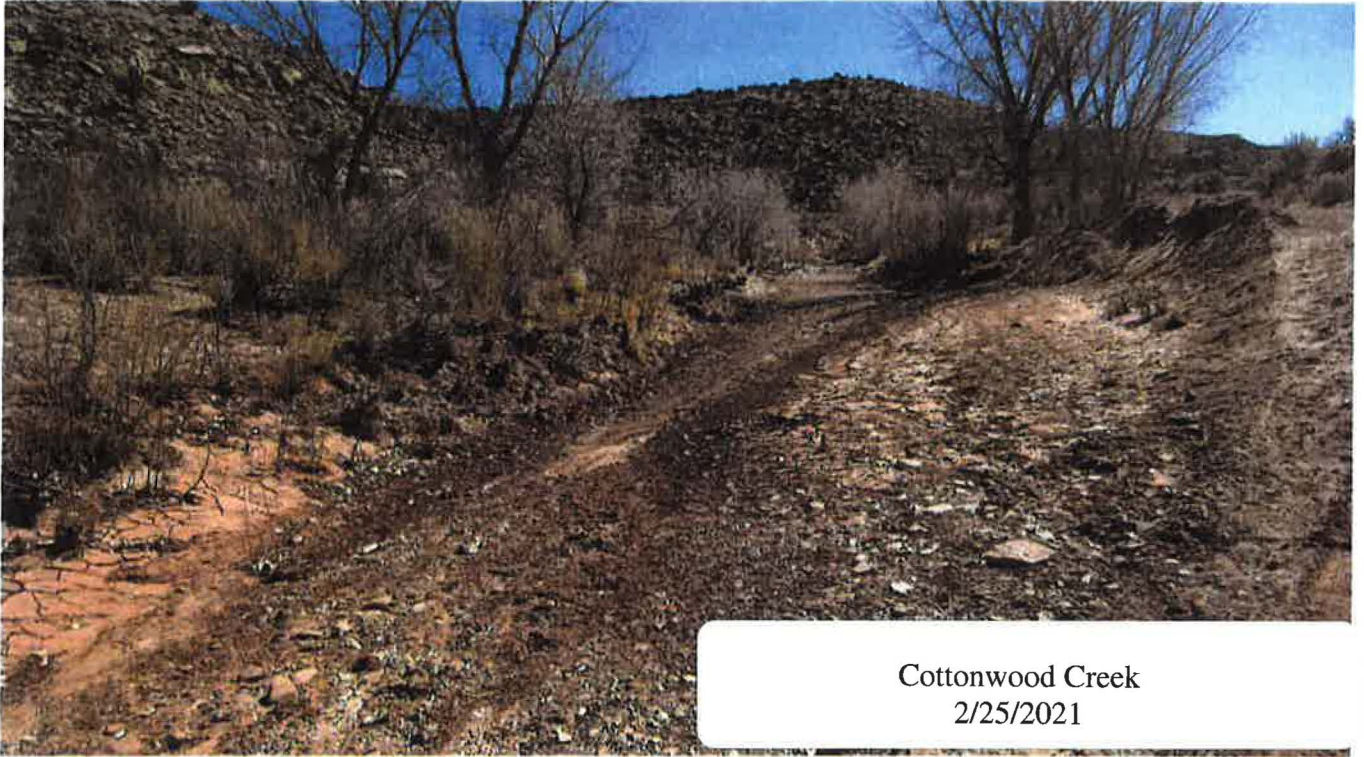
2/9/2021 - Creek was dry!

2/25/2021 - Creek was dry!

3/31/2021 - Creek was dry!



Cottonwood Creek
2/9/2021



Cottonwood Creek
2/25/2021



Cottonwood Creek
3/31/2021

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 2/9/2021 / 2/25/2021

BY: Tanner Holliday TH
(Sampler's initials)

pH BUFFER 7.0 7.0

pH BUFFER 4.0 4.0

SPECIFIC CONDUCTIVITY 1000 μ MHOs

STEAM DEPTH: N/A

pH of WATER N/A

TEMP N/A

COND μ hos N/A

COND μ hos N/A

pH Units |

pH units |

Temp °C _____

Temp °C _____

COND μ hos N/A

COND μ hos N/A

pH units |

pH units |

Temp °C _____

Temp °C _____

Comments:

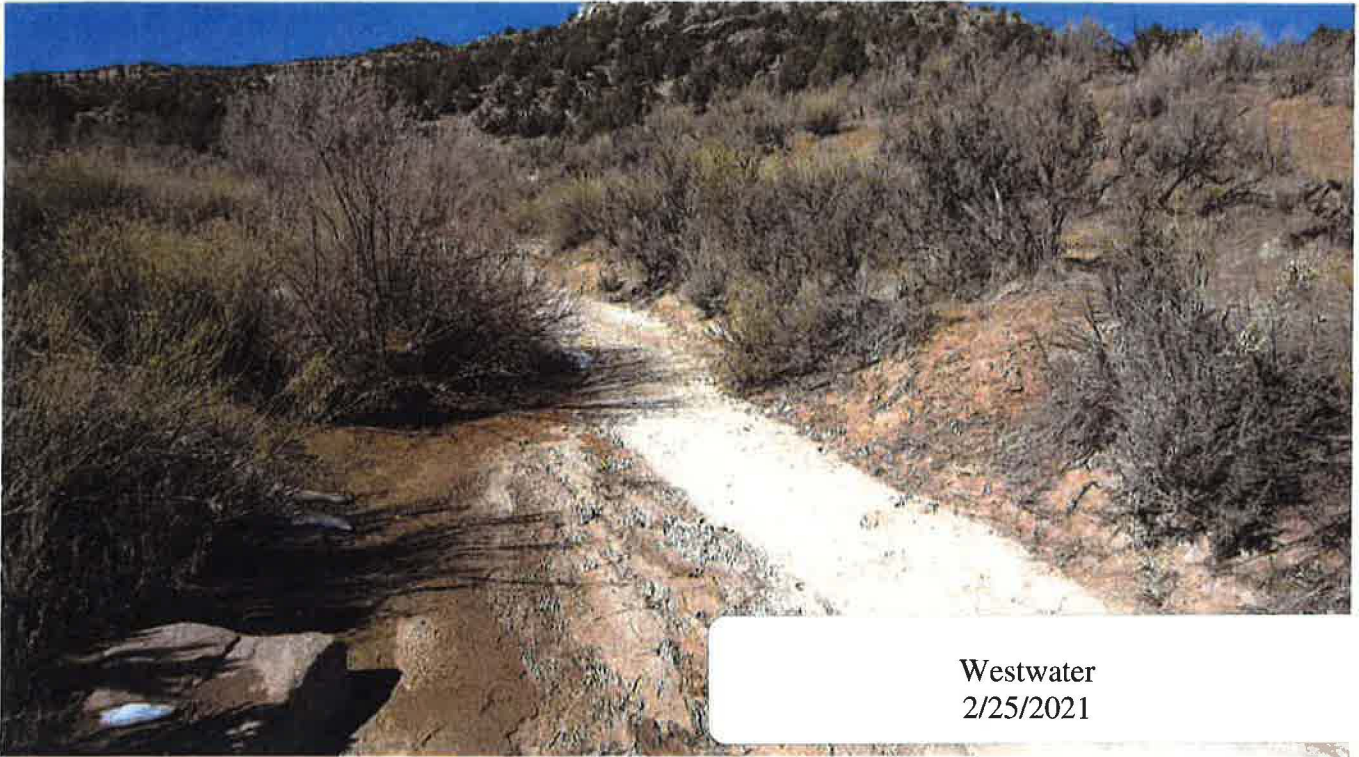
2/9/2021 - Creek was dry!

2/25/2021 - creek was dry!

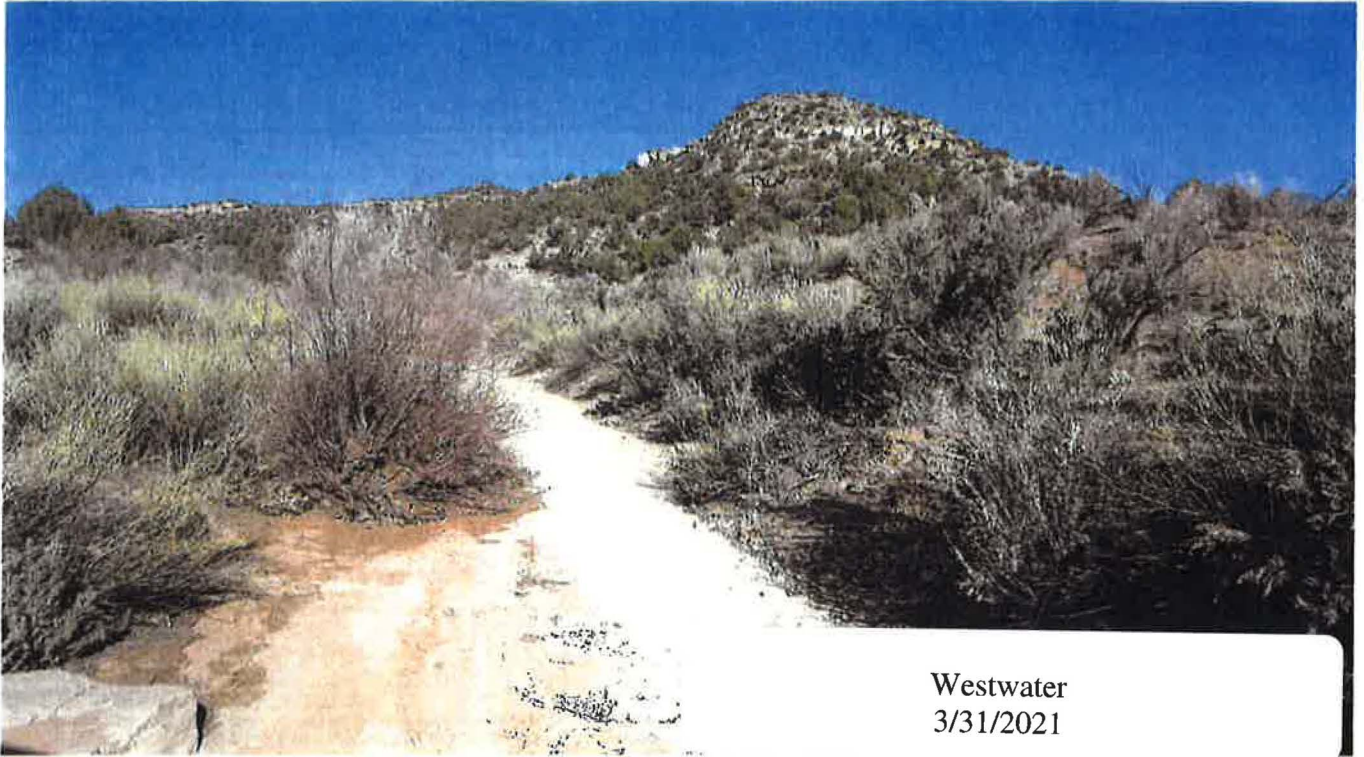
3/31/2021 - Creek was dry!



Westwater
2/9/2021



Westwater
2/25/2021



Westwater
3/31/2021

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one): Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 5/4/2021, 6/22/2021
6/3/2021 6/11/2021

BY: TH
(Sampler's initials)

pH BUFFER 7.0 7.0

pH BUFFER 4.0 4.0

SPECIFIC CONDUCTIVITY 1000

μ MHOs

STEAM DEPTH: N/A

pH of WATER N/A

TEMP N/A

COND μ hos N/A

COND μ hos N/A

pH Units |

pH units |

Temp °C _____

Temp °C _____

COND μ hos N/A

COND μ hos N/A

pH units |

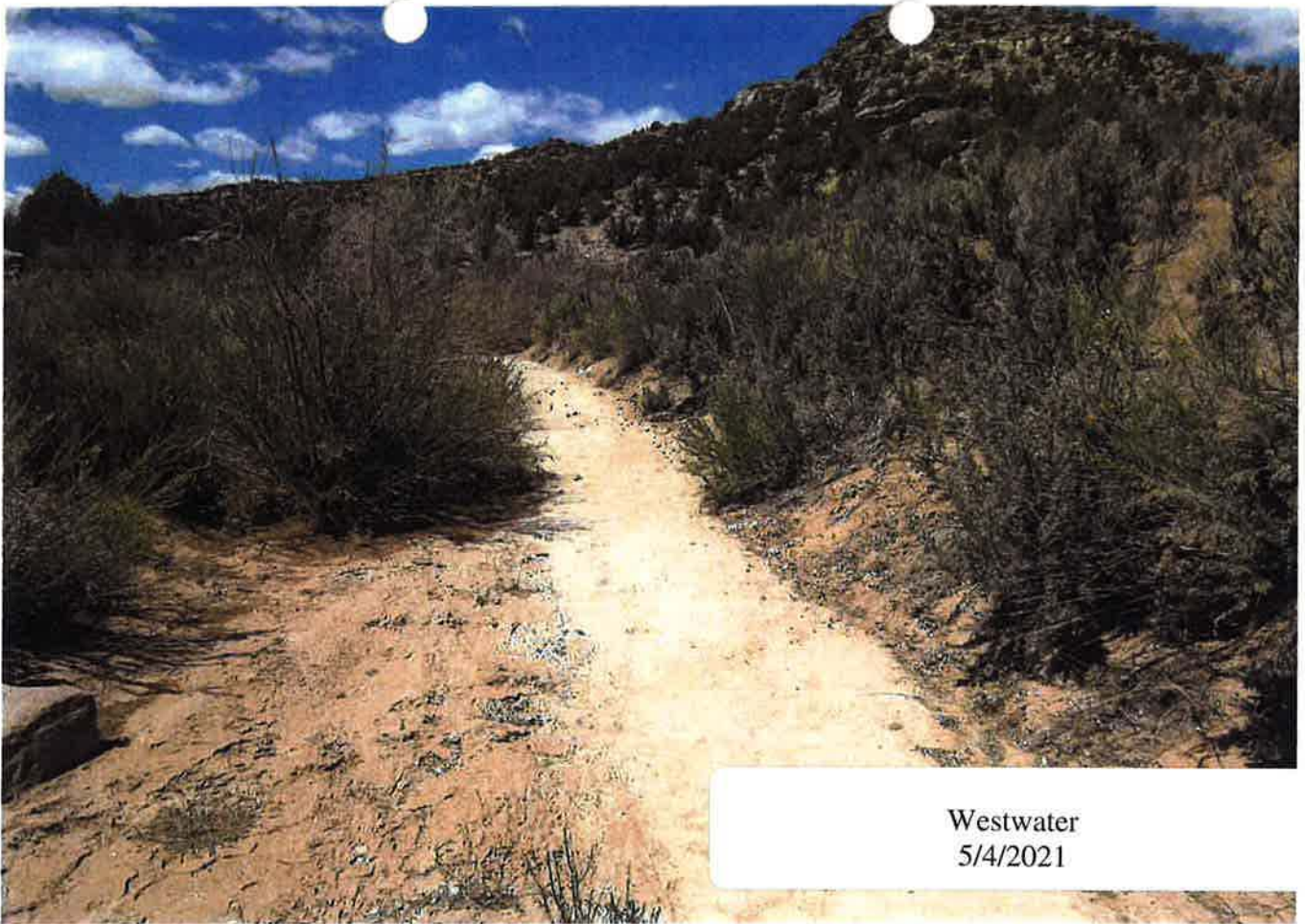
pH units |

Temp °C _____

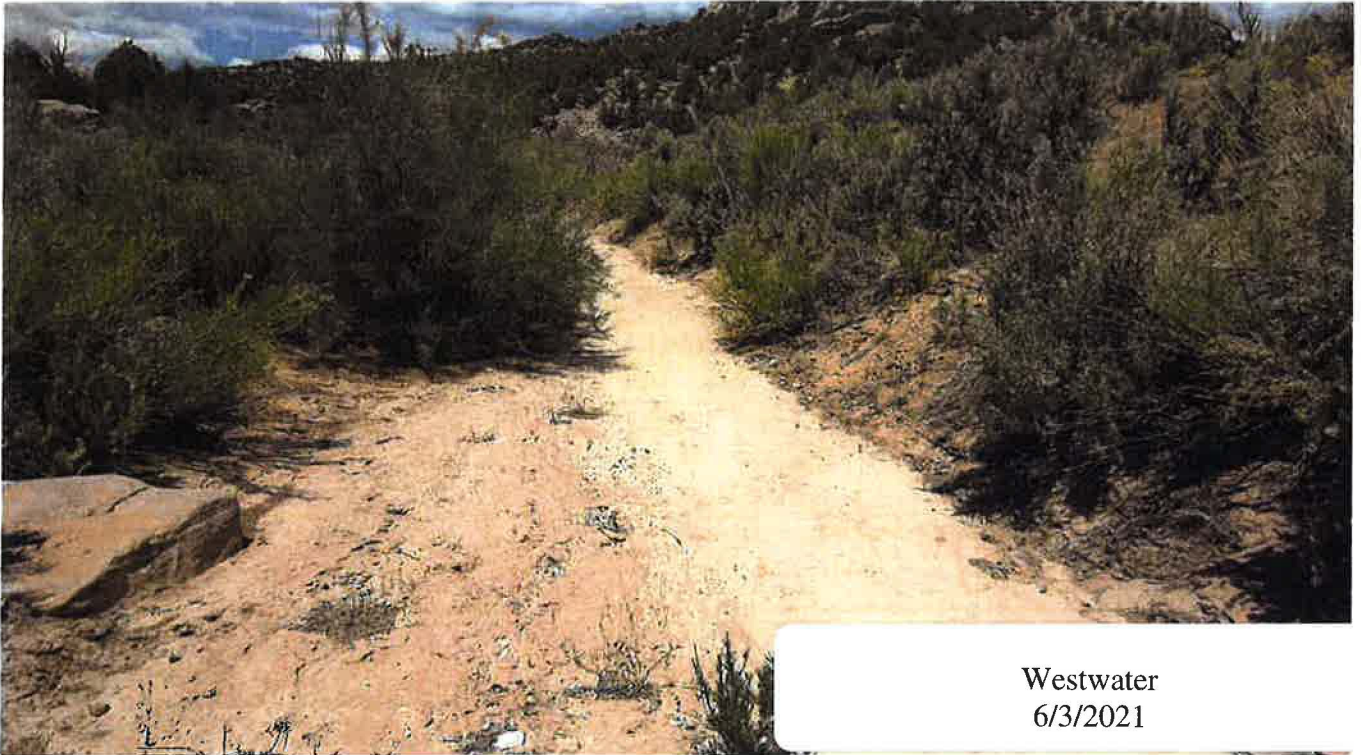
Temp °C _____

Comments:

5/4/2021 - Creek was dry. 6/3/2021 Creek was dry.
6/11/2021 - Creek was dry.
6/22/2021 - Creek was dry.



Westwater
5/4/2021



Westwater
6/3/2021



Westwater
6/11/2021



Westwater
6/22/2021

Attachment A

FIELD WATER ANALYSIS SURFACE WATER
WHITE MESA MILL

LOCATION (Circle one) Cottonwood Creek Westwater Canyon Other (describe) _____

DATE: 5/4/2021, 6/11/2021, 6/22/2021
6/3/2021

BY: TH
(Sampler's initials)

pH BUFFER 7.0 7.0

pH BUFFER 4.0 4.0

SPECIFIC CONDUCTIVITY 1000 μ MHOs

STEAM DEPTH: N/A

pH of WATER N/A

TEMP N/A

COND μ hos N/A

COND μ hos N/A

pH Units |

pH units |

Temp °C |

Temp °C |

COND μ hos N/A

COND μ hos N/A

pH units |

pH units |

Temp °C |

Temp °C |

Comments:

5/4/2021 - Creek was dry. 6/3/2021 - Creek was dry.

6/11/2021 - Creek was dry.

6/22/2021 - Creek was dry.



Cottonwood Creek
5/4/2021



Cottonwood Creek
6/3/2021



Cottonwood Creek
6/11/2021



Cottonwood Creek
6/22/2021

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.

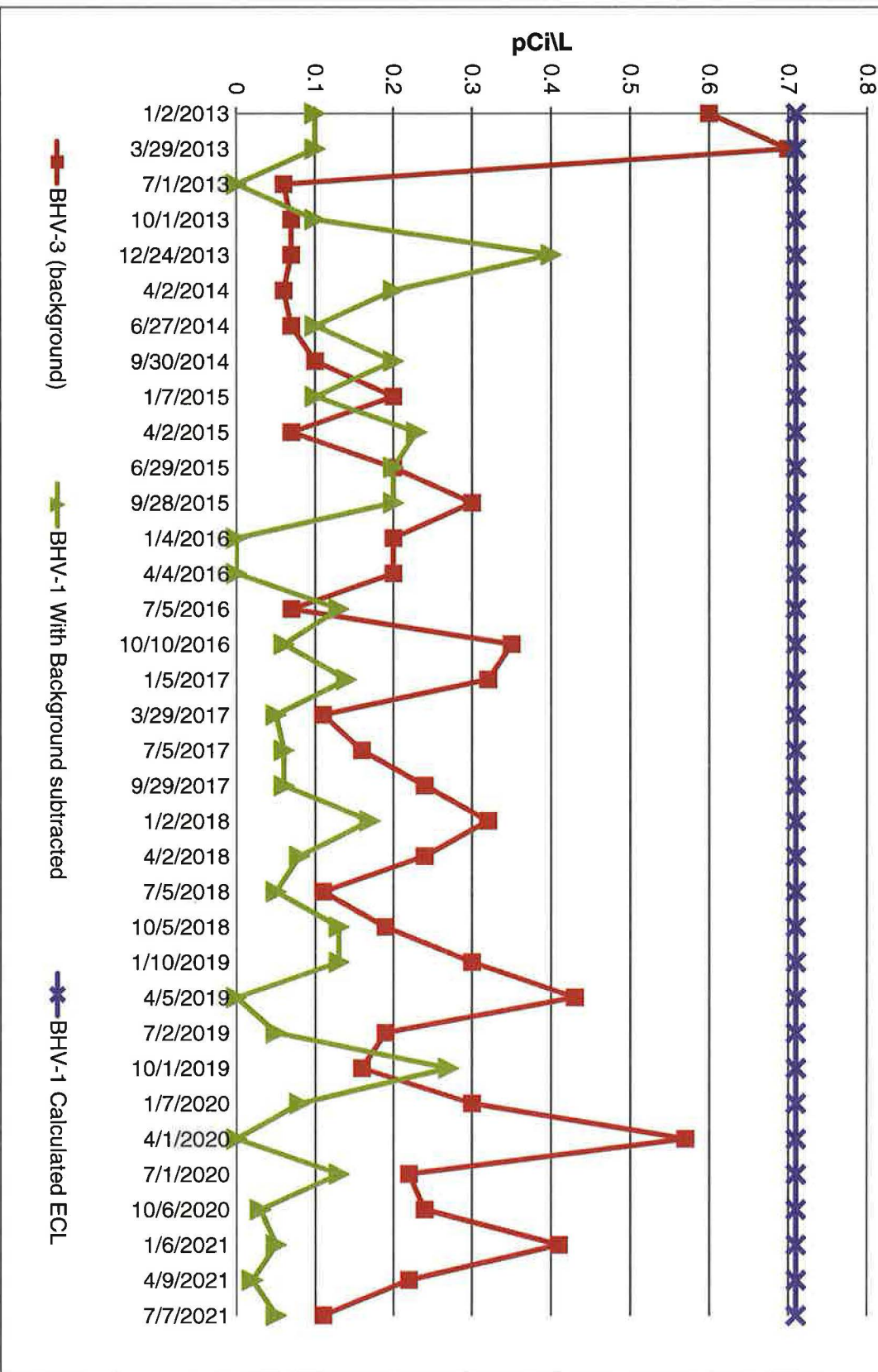
Meteorological data collected at the Mill's Met Station were utilized to compute the average wind speed for different directions. These data are applicable and sufficient for the purpose of these calculations.

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.

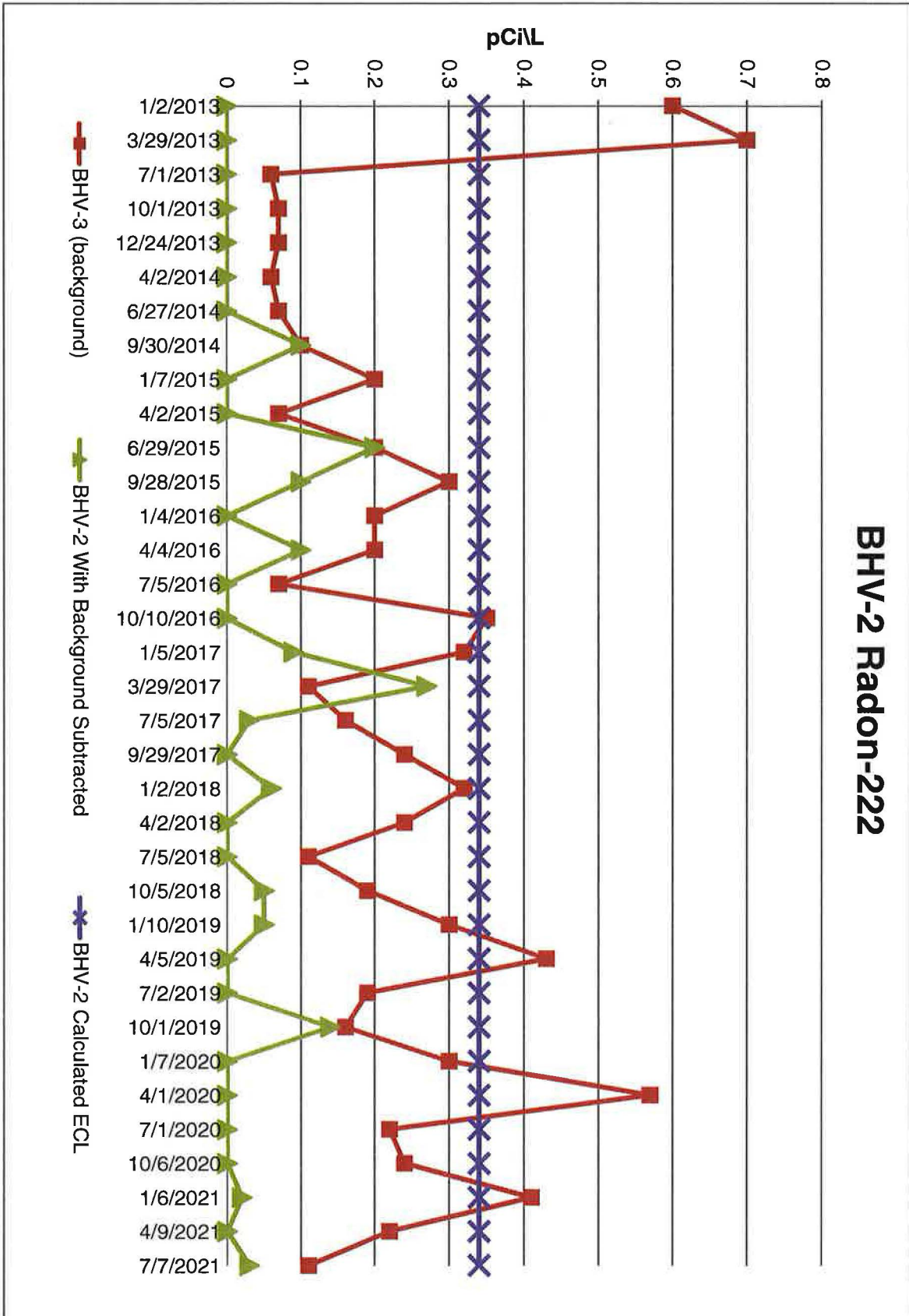
References

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.

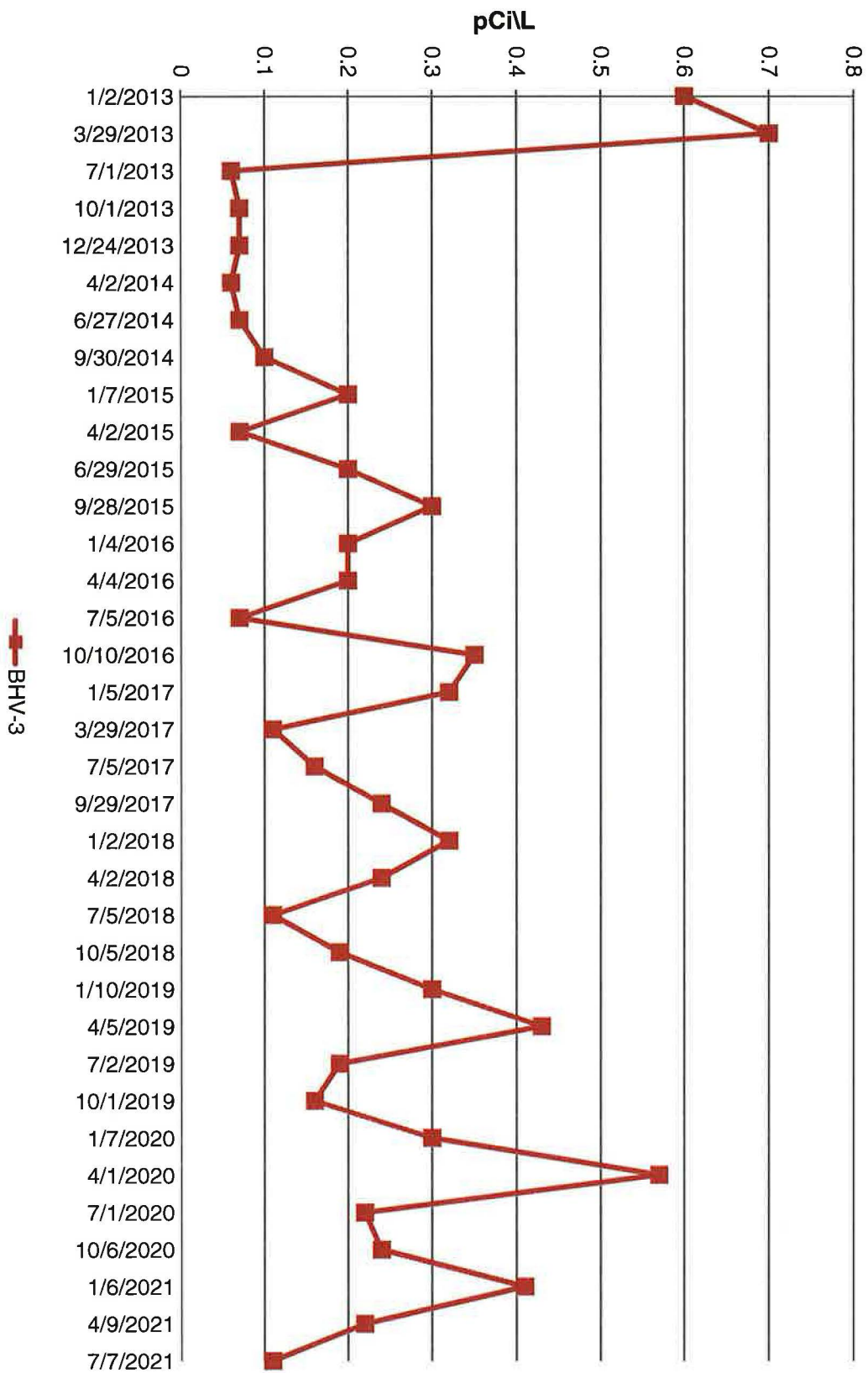
BHV-1 Radon-222



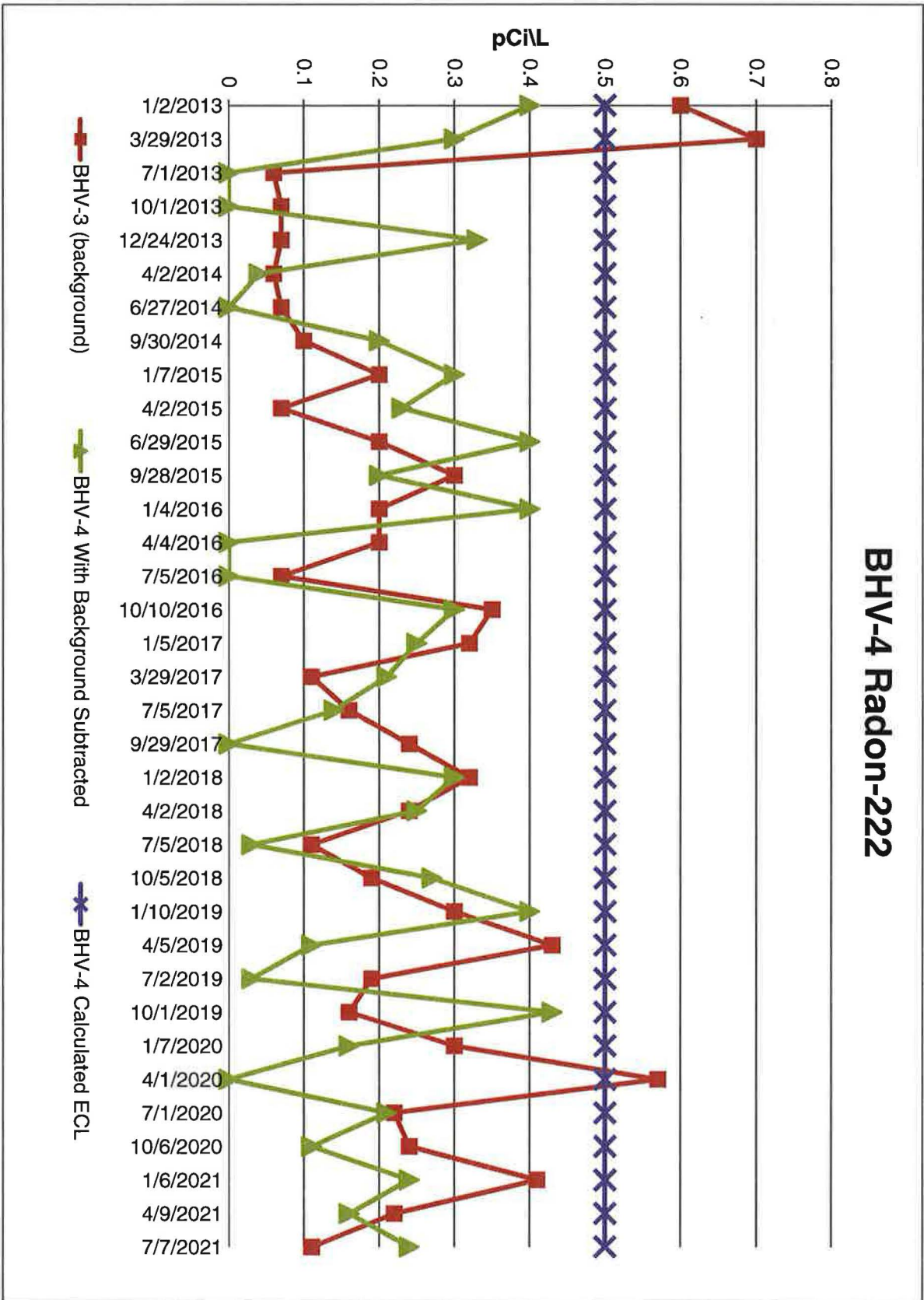
BHV-2 Radon-222



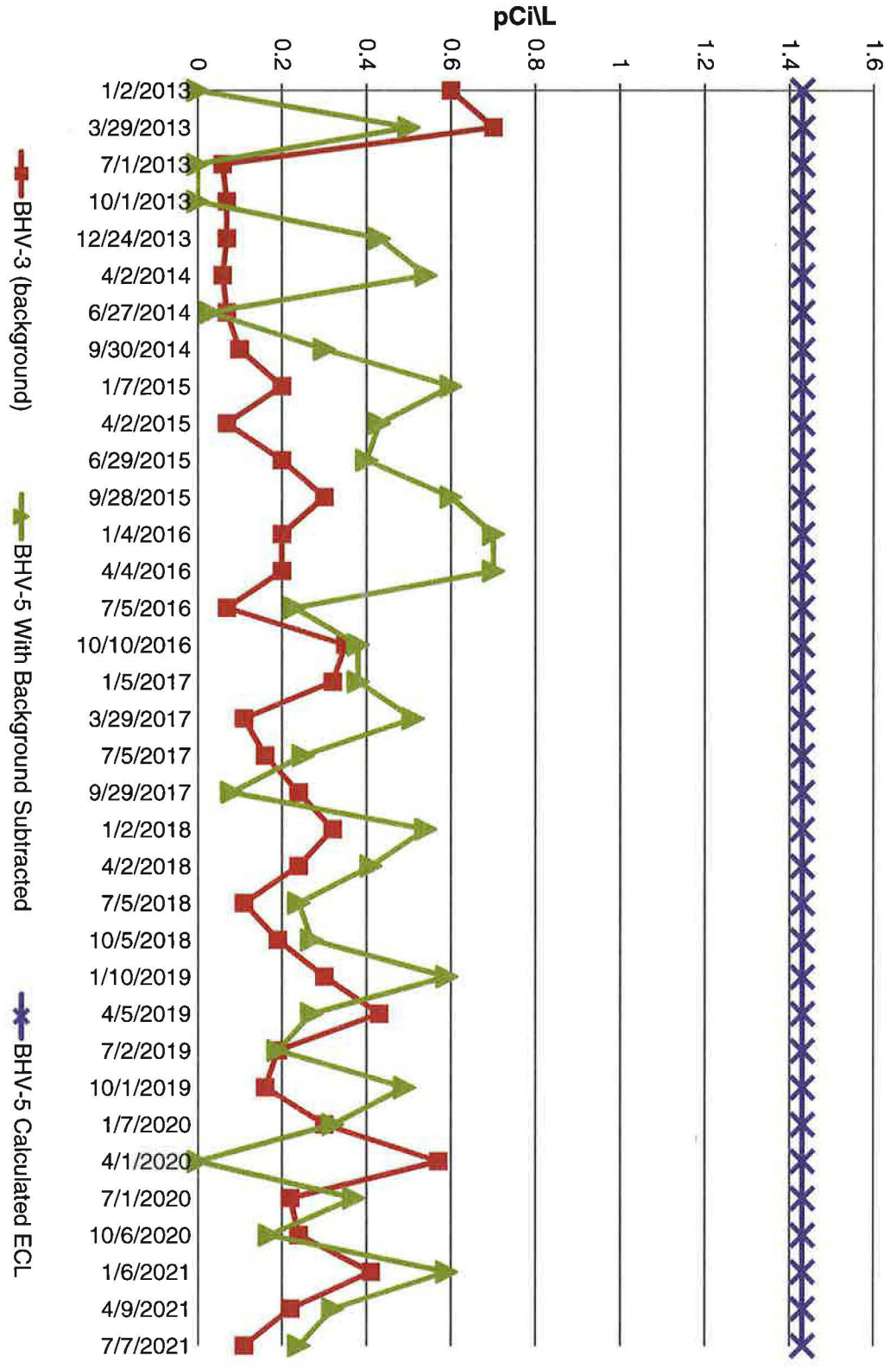
BHV-3 Radon-222



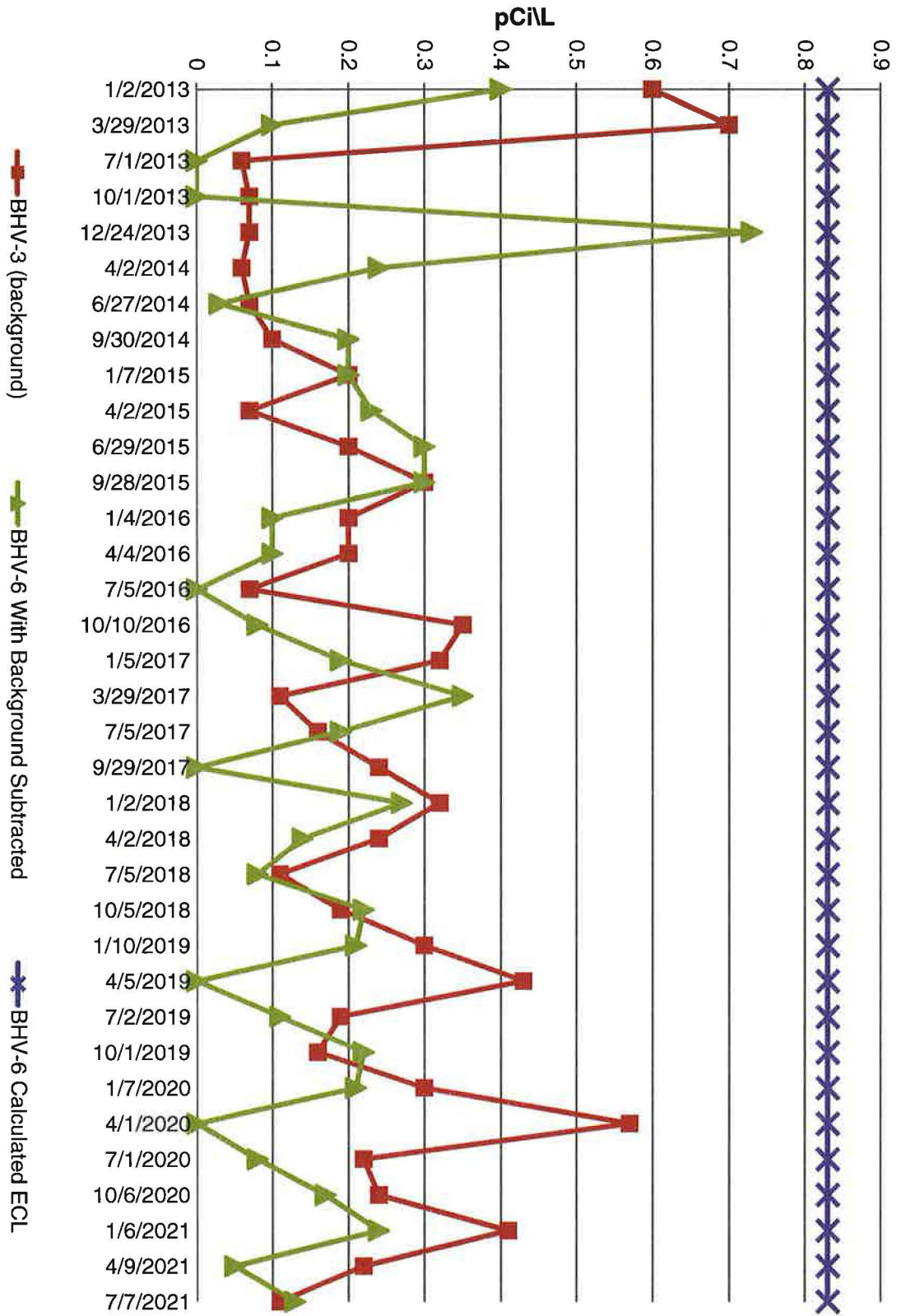
BHV-4 Radon-222



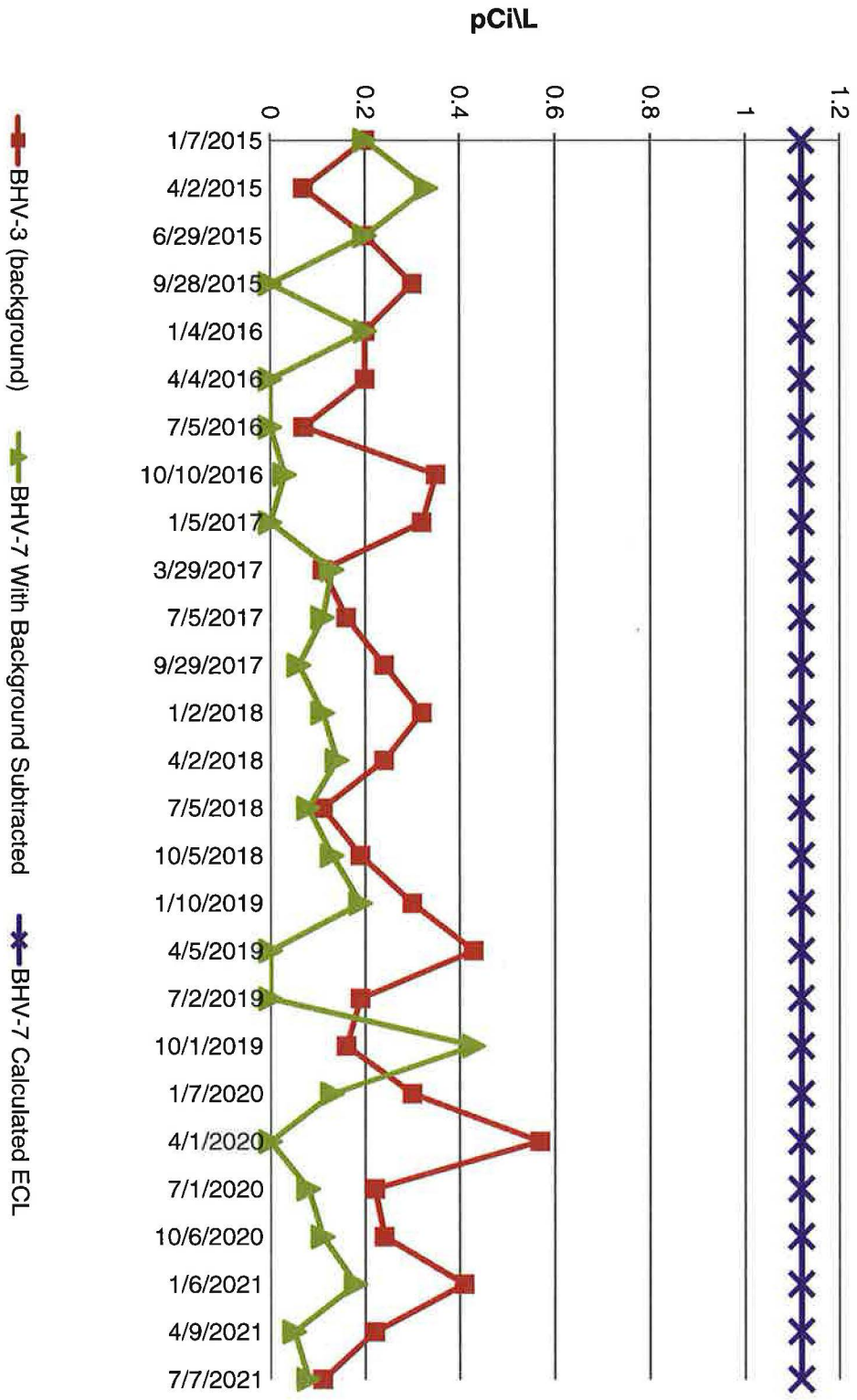
BHV-5 Radon-222



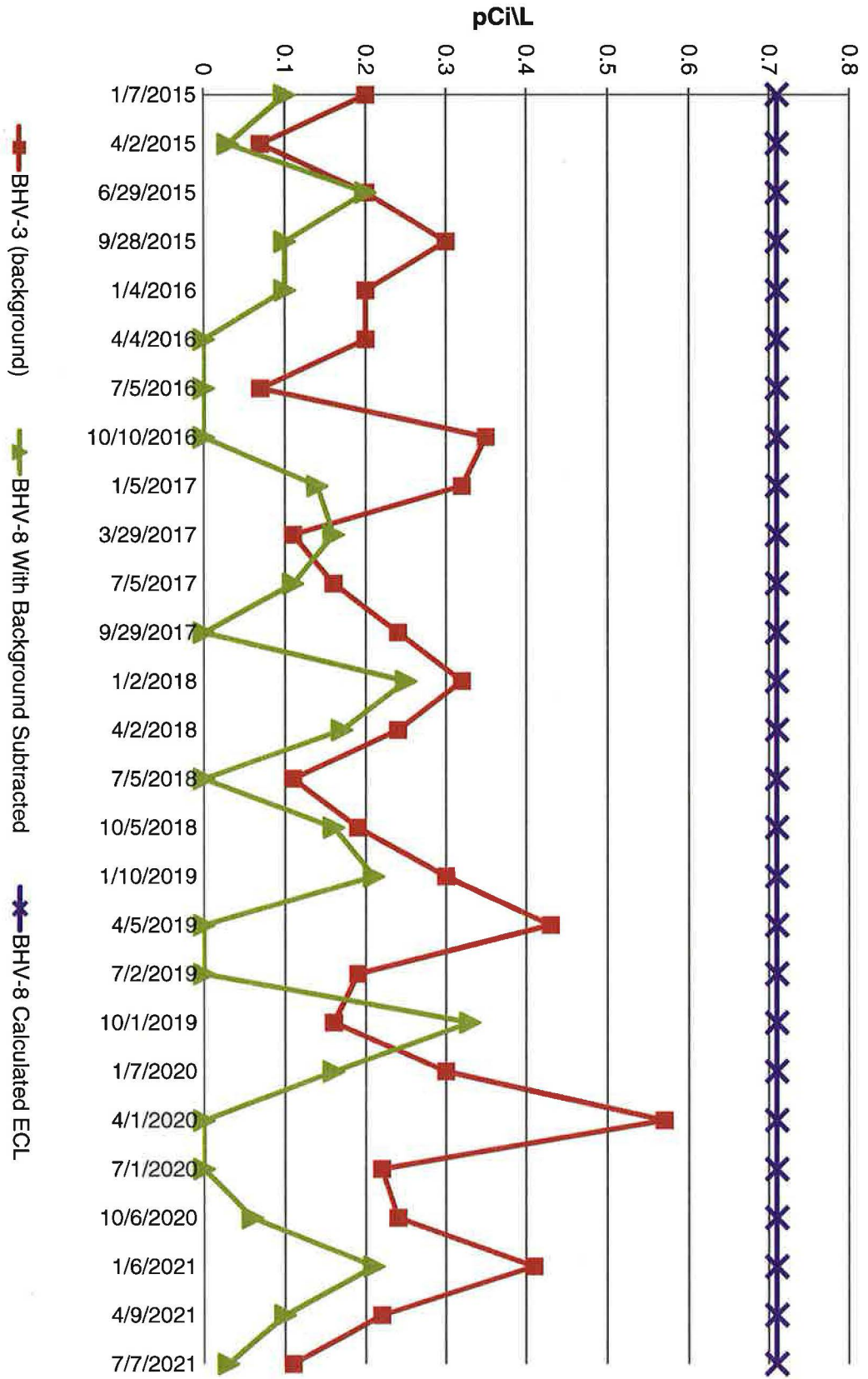
BHV-6 Radon-222



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

* - Measurements obtained from BHV-3 have been designated as background due to BHV-3's remoteness from the Mill site. The results in the table above are the above-background results with background (BHV-3) subtracted. Any negative values are reported as zero for graphical purposes.

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

Energy Fuels Resources

6425 S. Highway 191

PO Box 809

Blanding UT 84511

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 AB **04/14/2021**.

They were measured **04/21/2021**.

No person has signed the record card and verified that the instructions have been followed.

Property data and address

MEASURE SITE ADDRESS

WHITE MESA HILL

BUILDING ID

TRANSIT DETECTOR 1:

608478 (0 ± 5 pCi*days/l)

TRANSIT DETECTOR 2:

934532 (1 ± 5 pCi*days/l)

TRANSIT DETECTOR 3:

Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
485950-0 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-1-1	Out-door	0.24 ± 0.09 pCi/L
727712-2 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-2-1	Out-door	0.19 ± 0.09 pCi/L
421000-1 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-4-1	Out-door	0.38 ± 0.09 pCi/L
420838-5 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-5-1	Out-door	0.54 ± 0.11 pCi/L
634818-9 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-6-1	Out-door	0.27 ± 0.09 pCi/L
483920-5 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-7-1	Out-door	0.27 ± 0.09 pCi/L
447462-3 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-8-1	Out-door	0.32 ± 0.09 pCi/L
403509-3 [Rapidos®]	01/06/2021 – 04/09/2021	BHU-2A-1	Out-door	0.24 ± 0.09 pCi/L

Comment to the results

Trygve Rönnqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

This report may only be reproduced in full, unless issuing laboratory has given prior written approval.



DISCLAIMER

Radonova Inc. makes no warranty of any kind, express or implied, as regard to the use, operation or analysis of any Radonova Inc. monitor. Radonova Inc. specifically disclaims implied warranties of merchantability and fitness for a particular purpose. Radonova Inc. is not responsible for any damage, including consequential damages, to persons or property resulting from the use of the monitor or the resulting data.

RADONOVA INC.

900 Oakmont Lane Suite 207

Westmont IL 60559

331.814.2200, help@radonova.com

Energy Fuels Resources
6425 S. Highway 191
PO Box 809
Blanding UT 84511

BY
Energy Fuels Resources
REPORT RECEIVER(S)
Energy Fuels Resources
Energy Fuels

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 AB **04/14/2021**.
They were measured **04/21/2021**.

No person has signed the record card and verified that the instructions have been followed.

Property data and address

MEASURE SITE ADDRESS
WHITE MESA HILL

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
425282-1 [Rapidos®]	01/06/2021 – 04/09/2021	OFFICE-1	In-door	1.3 ± 0.19 pCi/L
169444-7 [Rapidos®]	01/06/2021 – 04/09/2021	BLACK MESA 1	Out-door	0.22 ± 0.09 pCi/L

Comment to the results

Tryggve Rönqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

This report may only be reproduced in full, unless issuing laboratory has given prior written approval.



DISCLAIMER

Radonova Inc. makes no warranty of any kind, express or implied, as regard to the use, operation or analysis of any Radonova Inc. monitor. Radonova Inc. specifically disclaims implied warranties of merchantability and fitness for a particular purpose. Radonova Inc. is not responsible for any damage, including consequential damages, to persons or property resulting from the use of the monitor or the resulting data.

RADONOVA INC.
900 Oakmont Lane Suite 207
Westmont IL 60559
331.814.2200, help@radonova.com

US_EN_004_REPORT_v210407:1.pptd

Energy Fuels Resources
6425 S. Highway 191
PO Box 809
Blanding UT 84511

BY
Energy Fuels Resources
REPORT RECEIVER(S)
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 AB **07/13/2021**.
They were measured **07/19/2021**.

No person has signed the record card and verified that the instructions have been followed.

Property data and address

MEASURE SITE ADDRESS

BUILDING ID

TRANSIT DETECTOR 1: 511053 (6 ± 5 pCi*days/l)
TRANSIT DETECTOR 2: 421872 (7 ± 7 pCi*days/l)
TRANSIT DETECTOR 3:

Test results

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
215165-2 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-1-1	Out-door	0.16 ± 0.09 pCi/L
583789-3 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-2-1	Out-door	0.14 ± 0.09 pCi/L
643350-2 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-4-1	Out-door	0.35 ± 0.11 pCi/L
509614-4 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-5-1	Out-door	0.35 ± 0.11 pCi/L
582023-8 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-6-1	Out-door	0.24 ± 0.09 pCi/L
934432-6 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-7-1	Out-door	0.19 ± 0.09 pCi/L
998825-4 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-8-1	Out-door	0.14 ± 0.09 pCi/L
656618-6 [Rapidos®]	04/09/2021 – 07/07/2021	BHV-2A-1	Out-door	0.11 ± 0.09 pCi/L

Comment to the results

Trygve Rönnqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

This report may only be reproduced in full, unless issuing laboratory has given prior written approval.



DISCLAIMER

Radonova Inc. makes no warranty of any kind, express or implied, as regard to the use, operation or analysis of any Radonova Inc. monitor. Radonova Inc. specifically disclaims implied warranties of merchantability and fitness for a particular purpose. Radonova Inc. is not responsible for any damage, including consequential damages, to persons or property resulting from the use of the monitor or the resulting data.

RADONOVA INC.
900 Oakmont Lane Suite 207
Westmont IL 60559
331.814.2200, help@radonova.com

Energy Fuels Resources

6425 S. Highway 191

PO Box 809

Blanding UT 84511

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 AB **07/13/2021**.

They were measured **07/19/2021**.

No person has signed the record card and verified that the instructions have been followed.

Property data and address

MEASURE SITE ADDRESS

BUILDING ID

DETECTOR	MEASUREMENT PERIOD	DESCRIPTION / LOCATION	LOCATION TYPE	RADON RESULT
936824-2 [Rapidos®]	04/09/2021 – 07/07/2021	OFFICE-1	In-door	0.84 ± 0.17 pCi/L
648068-5 [Rapidos®]	04/09/2021 – 07/07/2021	BLACK MESA 1	Out-door	0.11 ± 0.09 pCi/L

Comment to the results

Tryggve Rönnqvist (Electronically signed)

Signature Radonova Laboratories AB Laboratory Measurement Specialist

This report may only be reproduced in full, unless issuing laboratory has given prior written approval.



DISCLAIMER

Radonova Inc. makes no warranty of any kind, express or implied, as regard to the use, operation or analysis of any Radonova Inc. monitor. Radonova Inc. specifically disclaims implied warranties of merchantability and fitness for a particular purpose. Radonova Inc. is not responsible for any damage, including consequential damages, to persons or property resulting from the use of the monitor or the resulting data.

RADONOVA INC.

900 Oakmont Lane Suite 207

Westmont IL 60559

331.814.2200, help@radonova.com

ATTACHMENT K
CELL 2 RADON FLUX DATA

Cell 2
Radon Flux Measurement Program
First Half 2021 Sampling Results
April 2021

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

TABLE OF CONTENTS

	<u>Page</u>
1. INTRODUCTION	1
2. SITE HISTORY AND DESCRIPTION	1
3. REGULATORY REQUIREMENTS FOR THE SITE.....	1
4. SAMPLING METHODOLOGY	1
5. FIELD OPERATIONS	2
5.1 Equipment Preparation.....	2
5.2 Sample Locations, Identification, and Placement.....	2
5.3 Sample Retrieval	3
5.4 Environmental Conditions	3
6. SAMPLE ANALYSIS	3
6.1 Apparatus	3
6.2 Sample Inspection and Documentation	4
6.3 Background and Sample Counting	4
7. QUALITY CONTROL (QC) AND DATA VALIDATION.....	4
7.1 Sensitivity	5
7.2 Precision.....	5
7.3 Accuracy	5
7.4 Completeness	5
8. CALCULATIONS.....	5
9. RESULTS	6
9.1 Mean Radon Flux.....	6
9.2 Site Results.....	7
References.....	8
Figure 1	9

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 6-7, 2021 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 2021.

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, 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 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, 2020). 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 Cell 2 (consisting of one region) 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 6, 2021, 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, although the actual sample identification numbers (IDs) are different. 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 7, 2021 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 Telco 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, 2020) 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 0.02 to 0.07 pCi/m²-s, with an arithmetic average of approximately 0.05 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 8.0 percent, with an average of approximately 2.4 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 -2.1 percent to +1.3 percent. The arithmetic average bias of the lab control sample measurements was approximately -0.3 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:
 0.1693, for M-01/D-21 and
 0.1689, 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:
 0.1693, for M-01/D-21 and
 0.1689, 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:

$$J_s = \frac{J_1A_1 + \dots J_2A_2 [+ \dots J_iA_i]}{A_t}$$

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:

$$\text{Cell 2 - Cover Region} = 5.3 \text{ pCi/m}^2\text{-s (based on 270,624 m}^2\text{ area)}$$

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:

$$\text{Cell 2} = 5.3 \text{ pCi/m}^2\text{-s}$$

$$\frac{(5.3)(270,624)}{270,624} = 5.3$$

As shown above, the arithmetic mean of the radon flux rate measurements for Cell 2 representing the first half of the year 2021 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 Tellco.

References

- U. S. Environmental Protection Agency, *Radon Flux Measurements on Gardiner 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 2020.
- 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 2020.

Figure 1
Large Area Activated Charcoal Canisters Diagram

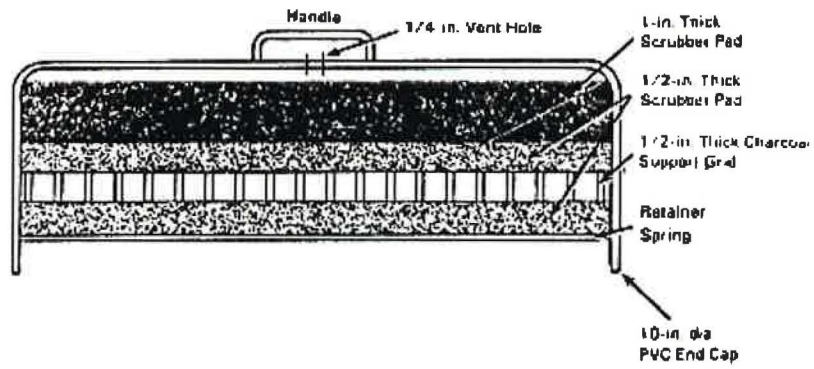


FIGURE 1 Large-Area Radon Collector

Appendix A

Charcoal Canister Analyses Support Documents

**ACCURACY APPRAISAL TABLE
CELL 2
APRIL 2021**

ENERGY FUELS RESOURCES
WHITE MESA MILL, BLANDING, UTAH
2021 RADON FLUX MEASUREMENTS
SAMPLING DATES: 04/06/21-04/07/21
ANALYSIS DATES: 04/09/21-04/10/21

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	4/9/2021	132	152	161	9938	10059	9925	9826	0.1693	58037	GS-04	59300	-2.1%
M-01/D-21	4/9/2021	143	159	130	10084	10159	10070	9960	0.1693	58832	GS-04	59300	-0.8%
M-01/D-21	4/10/2021	141	158	141	10107	10105	10062	9945	0.1693	58740	GS-04	59300	-0.9%
M-01/D-21	4/10/2021	142	150	149	10213	10189	10280	10080	0.1693	59541	GS-04	59300	0.4%
M-01/D-21	4/9/2021	132	152	161	9900	10076	10179	9903	0.1693	58496	GS-05	59300	-1.4%
M-01/D-21	4/9/2021	143	159	130	10117	10171	9959	9938	0.1693	58703	GS-05	59300	-1.0%
M-01/D-21	4/10/2021	141	158	141	10183	9963	10265	9990	0.1693	59010	GS-05	59300	-0.5%
M-01/D-21	4/10/2021	142	150	149	10186	10018	10310	10024	0.1693	59210	GS-05	59300	-0.2%
M-02/D-20	4/9/2021	139	140	125	10081	10136	10170	9994	0.1689	59173	GS-04	59300	-0.2%
M-02/D-20	4/9/2021	147	146	126	10029	10130	10062	9934	0.1689	58816	GS-04	59300	-0.8%
M-02/D-20	4/10/2021	129	132	143	10117	10246	10105	10021	0.1689	59333	GS-04	59300	0.1%
M-02/D-20	4/10/2021	120	142	155	10316	10307	10229	10145	0.1689	60065	GS-04	59300	1.3%
M-02/D-20	4/9/2021	139	140	125	10280	10138	10212	10075	0.1689	59653	GS-05	59300	0.6%
M-02/D-20	4/9/2021	147	146	126	10059	10098	10137	9958	0.1689	58960	GS-05	59300	-0.6%
M-02/D-20	4/10/2021	129	132	143	10077	10318	10253	10081	0.1689	59688	GS-05	59300	0.7%
M-02/D-20	4/10/2021	120	142	155	10231	10258	10346	10139	0.1689	60032	GS-05	59300	1.2%
AVERAGE PERCENT BIAS FOR ALL ANALYTICAL SESSIONS:													-0.3%

MIN -2.1%
MAX 1.3%

CHARCOAL CANISTER ANALYSIS SYSTEM

SITE LOCATION: White Mesa Mill, Blanding, Utah

CLIENT: Energy Fuels Resources (USA) Inc.

Calibration Check Log

System ID: M-01/D-21 Calibration Date: 10/09/20 Due Date: 10/09/21

Scaler S/N: 51572 High Voltage: 1175 Window: 4.42 Thrshld: 2.20

Detector S/N: 041533 Source ID/SN: Ra²²⁴/0504 Source Activity: 59.3 Kpci

Blank Canister Bkgd. Range, cpm: $2\sigma =$ 101 to 162 $3\sigma =$ 85 to 177

Gross Source Range, cpm: $2\sigma =$ 9913 to 10450 $3\sigma =$ 9779 to 10584

Technician: DJL Coor

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	
4/09/21	DJL	132	152	161	148	9938	10059	9925	9974	Y
4/09/21	DJL	143	159	130	144	10084	10157	10070	10104	Y
4/10/21	DJL	141	158	141	147	10107	10105	10062	10091	Y
4/10/21	DJL	142	150	149	147	10213	10189	10280	10227	Y
4/11/21	DJL	148	157	120	142	10396	10147	10034	10192	Y
4/11/21	DJL	129	120	140	130	10266	10251	10313	10277	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, Utah
 CLIENT: Energy Fuels Resources (USA) Inc.

Calibration Check Log

System ID: M-01/D-21 Calibration Date: 10/09/20 Due Date: 10/09/21
 Scaler S/N: 51572 High Voltage: 1175 Window: 4.42 Thrshld: 2.20
 Detector S/N: 041533 Source ID/SN: Razzy/GS-05 Source Activity: 59.3K pCi
 Blank Canister Bkgd. Range, cpm: $2\sigma =$ 101 to 162 $3\sigma =$ 85 to 177
 Gross Source Range, cpm: $2\sigma =$ 9878 to 10437 $3\sigma =$ 9738 to 10576
 Technician: D L Coor DL

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	
4/09/21	DLL	132	152	161	148	9900	10076	10179	10052	Y
4/09/21	DLL	143	159	130	144	10117	10171	9959	10082	Y
4/10/21	DLL	141	158	141	147	10183	9963	10265	10137	Y
4/10/21	DLL	142	150	149	147	10186	10018	10310	10171	Y
4/11/21	DLL	148	157	120	142	10154	10435	10084	10224	Y
4/11/21	DLL	129	120	140	130	10338	10344	10202	10295	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, Utah
 CLIENT: Energy Fuels Resources (USA) Inc.

Calibration Check Log

System ID: M-02/D-20 Calibration Date: 10/09/20 Due Date: 10/09/21
 Scaler S/N: 51563 High Voltage: 938 Window: 4.42 Thrshld: 2.20
 Detector S/N: 041532 Source ID/SN: Ra²²⁴/GS-04 Source Activity: 59.3Kpc'
 Blank Canister Bkgd. Range, cpm: $2\sigma =$ 107 to 157 $3\sigma =$ 95 to 169
 Gross Source Range, cpm: $2\sigma =$ 9907 to 10395 $3\sigma =$ 9785 to 10517
 Technician: DL Coor DRC

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	
4/09/21	DRC	139	140	125	135	10081	10136	10170	10129	Y
4/09/21	DRC	147	146	126	140	10029	10130	10062	10074	Y
4/10/21	DRC	129	132	143	135	10117	10246	10105	10156	Y
4/10/21	DRC	120	142	155	139	10316	10307	10229	10284	Y
4/11/21	DRC	141	127	112	127	10226	10194	10055	10158	Y
4/11/21	DRC	131	119	143	131	10214	10054	10134	10134	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, Utah

CLIENT: Energy Fuels Resources (USA) Inc.

Calibration Check Log

System ID: M-02/D-20 Calibration Date: 10/09/20 Due Date: 10/09/21

Scaler S/N: 51563 High Voltage: 938 Window: 4.42 Thrshld: 2.20

Detector S/N: 041532 Source ID/SN: Ra²²⁶/GS-05 Source Activity: 59.3K pCi

Blank Canister Bkgd. Range, cpm: $2\sigma =$ 107 to 157 $3\sigma =$ 95 to 169

Gross Source Range, cpm: $2\sigma =$ 9913 to 10371 $3\sigma =$ 9799 to 10486

Technician: DL Coq DL

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	
4/09/21	DL	139	140	125	135	10280	10138	10212	10210	Y
4/09/21	DL	147	146	126	140	10059	10098	10137	10098	Y
4/10/21	DL	129	132	143	135	10077	10318	10253	10216	Y
4/10/21	DL	120	142	155	139	10231	10258	10346	10278	Y
4/11/21	DL	141	127	112	127	10327	10274	10161	10254	Y
4/11/21	DL	131	119	143	131	10317	10321	10133	10257	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.: 21004.01

PILE: 2 BATCH: A SURFACE: SOIL AIR TEMP MIN: N/A WEATHER: NO RAIN
 AREA: COVER DEPLOYED: 4 6 21 RETRIEVED: 4 7 21 CHARCOAL BKG: 141 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: 10/09/21

RECOUNT CANISTER ANALYSIS:

GRID	SAMPLE	RETRIV		ANALYSIS			MID-TIME		CNT	GROSS	GROSS	RADON		LLD	PRECISION		
LOCATION	I. D.	HR	MIN	HR	MIN	MO	DA	YR	HR	MIN	(MIN)	COUNTS	WT IN	pCi/m ² s	± pCi/m ² s	pCi/m ² s	% RPD
A10	A10	8	36	8	22	4	9	21	12	19	2	1249	223.8	1.0	0.10	0.04	
RECOUNT	A10	8	36	8	22	4	10	21	8	15	2	1128	223.8	1.0	0.10	0.04	0.0%
A20	A20	8	54	8	5	4	9	21	12	29	1	6160	221.4	13.2	1.32	0.04	
RECOUNT	A20	8	54	8	5	4	10	21	8	15	1	5459	221.4	13.5	1.35	0.05	2.2%
A30	A30	8	12	8	13	4	9	21	12	50	2	1375	217.6	1.2	0.12	0.04	
RECOUNT	A30	8	12	8	13	4	10	21	8	18	2	1301	217.6	1.3	0.13	0.04	8.0%
A40	A40	8	54	8	4	4	9	21	13	2	1	4858	222.6	10.4	1.04	0.04	
RECOUNT	A40	8	54	8	4	4	10	21	8	18	1	4407	222.6	10.8	1.08	0.05	3.8%
A50	A50	8	7	8	10	4	9	21	13	20	2	1067	218.6	0.8	0.08	0.04	
RECOUNT	A50	8	7	8	10	4	10	21	8	21	3	1392	218.6	0.8	0.08	0.04	0.0%
A60	A60	8	53	8	4	4	9	21	13	36	1	2085	221.8	4.3	0.43	0.04	
RECOUNT	A60	8	53	8	4	4	10	21	8	20	1	1855	221.8	4.3	0.43	0.05	0.0%
A70	A70	7	56	8	2	4	9	21	13	47	2	1176	220.3	1.0	0.10	0.04	
RECOUNT	A70	7	56	8	2	4	10	21	8	25	2	1124	220.3	1.0	0.10	0.04	0.0%
A80	A80	8	15	8	12	4	9	21	14	5	1	1098	219.6	2.1	0.21	0.04	
RECOUNT	A80	8	15	8	12	4	10	21	8	25	2	1996	219.6	2.1	0.21	0.04	0.0%
A90	A90	8	4	8	7	4	9	21	14	19	3	1292	224.4	0.6	0.06	0.04	
RECOUNT	A90	8	4	8	7	4	10	21	8	28	3	1245	224.4	0.7	0.07	0.04	15.4%
A100	A100	8	6	8	8	4	9	21	14	33	2	1402	226.3	1.2	0.12	0.04	
RECOUNT	A100	8	6	8	8	4	10	21	8	28	2	1323	226.3	1.3	0.13	0.04	8.0%
AVERAGE PERCENT PRECISION FOR THE CELL 2 COVER REGION:																3.7%	
AVERAGE PERCENT PRECISION FOR RESULTS ABOVE 1 pCi/m²-sec IN THE CELL 2 COVER REGION:																2.4%	

Appendix C

Radon Flux Sample Laboratory Data (including Blanks)

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 21004.01

PILE: 2 BATCH: A SURFACE: SOIL
AREA: COVER DEPLOYED: 4 6 21 RETRIEVED: 4
FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL COUNTED BY: DLC
COUNTING SYSTEM I.D.: M01/D21, M02/D20 CAL. DUE: 10/09/21

AIR TEMP MIN: N/A
CHARCOAL BKG: 141
DATA ENTRY BY: DLC

WEATHER: NO RAIN
cpm Wt. Out: 180.0 g.
TARE WEIGHT: 29.2 g.

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:
A01	A01	8 17	8 19	4 9 21	12 5	3	1122	216.2	0.5	0.05	0.04	
A02	A02	8 18	8 19	4 9 21	12 5	3	1002	214.0	0.4	0.05	0.04	
A03	A03	8 18	8 20	4 9 21	12 9	3	1090	214.1	0.5	0.05	0.04	
A04	A04	8 41	8 20	4 9 21	12 9	3	1177	225.0	0.5	0.05	0.04	
A05	A05	8 40	8 20	4 9 21	12 12	3	1429	222.5	0.7	0.07	0.04	
A06	A06	8 39	8 21	4 9 21	12 12	3	1294	224.1	0.6	0.06	0.04	
A07	A07	8 38	8 21	4 9 21	12 16	3	1293	224.5	0.6	0.06	0.04	
A08	A08	8 38	8 21	4 9 21	12 15	1	1192	223.0	2.2	0.22	0.04	
A09	A09	8 37	8 22	4 9 21	12 19	2	1551	225.4	1.3	0.13	0.04	
A10	A10	8 36	8 22	4 9 21	12 19	2	1248	223.8	1.0	0.10	0.04	
A11	A11	8 35	8 23	4 9 21	12 22	2	1068	222.6	0.8	0.08	0.04	
A12	A12	8 35	8 23	4 9 21	12 22	2	1529	228.5	1.3	0.13	0.04	
A13	A13	8 34	8 24	4 9 21	12 24	1	2136	220.1	4.2	0.42	0.04	
A14	A14	8 33	8 24	4 9 21	12 24	1	1298	222.8	2.5	0.25	0.04	
A15	A15	8 33	8 25	4 9 21	12 26	2	1265	225.4	1.0	0.10	0.04	
A16	A16	8 21	8 17	4 9 21	12 26	1	5921	223.6	12.3	1.23	0.04	
A17	A17	8 11	8 10	4 9 21	12 28	1	27172	222.6	57.1	5.71	0.04	
A18	A18	8 11	8 10	4 9 21	12 28	1	3693	220.9	7.5	0.75	0.04	
A19	A19	8 54	8 5	4 9 21	12 29	1	2884	223.3	6.0	0.60	0.04	
A20	A20	8 54	8 5	4 9 21	12 29	1	6160	221.4	13.2	1.32	0.04	
A21	A21	8 16	8 18	4 9 21	12 32	4	1111	220.5	0.3	0.04	0.04	
A22	A22	8 16	8 18	4 9 21	12 32	2	1721	217.1	1.5	0.15	0.04	
A23	A23	8 15	8 18	4 9 21	12 37	4	1265	220.7	0.4	0.04	0.04	
A24	A24	8 15	8 17	4 9 21	12 37	3	1088	217.7	0.5	0.05	0.04	
A25	A25	8 14	8 17	4 9 21	12 42	4	1259	216.4	0.4	0.04	0.04	
A26	A26	8 14	8 17	4 9 21	12 42	3	1250	218.1	0.6	0.06	0.04	
A27	A27	8 13	8 16	4 9 21	12 47	3	1351	215.8	0.7	0.07	0.04	
A28	A28	8 13	8 16	4 9 21	12 47	2	1812	216.2	1.6	0.16	0.04	
A29	A29	8 12	8 14	4 9 21	12 49	1	1891	217.2	3.7	0.37	0.04	
A30	A30	8 12	8 13	4 9 21	12 50	2	1375	217.6	1.2	0.12	0.04	
A31	A31	8 11	8 13	4 9 21	12 53	2	1684	218.7	1.5	0.15	0.04	
A32	A32	8 11	8 12	4 9 21	12 53	2	1157	214.9	0.9	0.09	0.04	
A33	A33	8 10	8 12	4 9 21	12 56	3	1403	217.6	0.7	0.07	0.04	
A34	A34	8 10	8 12	4 9 21	12 56	2	1088	218.2	0.9	0.09	0.04	
A35	A35	8 22	8 18	4 9 21	12 59	1	1175	221.6	2.2	0.22	0.04	
A36	A36	8 20	8 17	4 9 21	12 59	1	18161	225.9	38.3	3.83	0.04	
A37	A37	8 12	8 10	4 9 21	13 0	1	11958	222.0	25.1	2.51	0.04	
A38	A38	8 10	8 9	4 9 21	13 0	1	7537	223.5	15.7	1.57	0.04	
A39	A39	8 55	8 6	4 9 21	13 2	1	2627	223.3	5.4	0.54	0.04	
A40	A40	8 54	8 4	4 9 21	13 2	1	4858	222.6	10.4	1.04	0.04	
A41	A41	8 1	8 7	4 9 21	13 5	3	1212	221.0	0.6	0.06	0.04	

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 21004.01

PILE: 2 BATCH: A SURFACE: SOIL AIR TEMP MIN: N/A WEATHER: NO RAIN
 AREA: COVER DEPLOYED: 4 6 21 RETRIEVED: 4 7 21 CHARCOAL BKG: 141 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: 10/09/21

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:
A42	A42	8	2	8	7	4	9	21	13	6	4	1244	221.2	0.4	0.04	0.04	
A43	A43	8	3	8	8	4	9	21	13	10	3	1188	220.7	0.5	0.05	0.04	
A44	A44	8	3	8	8	4	9	21	13	9	1	1876	219.5	3.7	0.37	0.04	
A45	A45	8	4	8	9	4	9	21	13	14	4	1011	214.4	0.2	0.04	0.04	
A46	A46	8	4	8	9	4	9	21	13	14	4	1261	216.4	0.4	0.04	0.04	
A47	A47	8	5	8	9	4	9	21	13	17	1	1614	219.2	3.1	0.31	0.04	
A48	A48	8	5	8	10	4	9	21	13	17	1	1983	216.3	3.9	0.39	0.04	
A49	A49	8	6	8	10	4	9	21	13	20	2	1276	218.2	1.1	0.11	0.04	
A50	A50	8	7	8	10	4	9	21	13	20	2	1067	218.6	0.8	0.08	0.04	
A51	A51	8	8	8	11	4	9	21	13	25	3	1428	215.8	0.7	0.07	0.04	
A52	A52	8	9	8	11	4	9	21	13	25	3	1377	216.9	0.7	0.07	0.04	
A53	A53	8	9	8	11	4	9	21	13	29	3	1074	215.1	0.5	0.05	0.04	
A54	A54	8	29	8	21	4	9	21	13	28	2	1099	221.8	0.9	0.09	0.04	
A55	A55	8	23	8	18	4	9	21	13	32	2	1788	228.0	1.6	0.16	0.04	
A56	A56	8	19	8	17	4	9	21	13	32	1	46285	223.0	98.5	9.85	0.04	
A57	A57	8	13	8	11	4	9	21	13	35	1	1337	224.4	2.6	0.26	0.04	
A58	A58	8	9	8	9	4	9	21	13	35	1	1834	222.0	3.6	0.36	0.04	
A59	A59	8	55	8	6	4	9	21	13	36	1	2923	226.7	6.1	0.61	0.04	
A60	A60	8	53	8	4	4	9	21	13	36	1	2085	221.8	4.3	0.43	0.04	
A61	A61	8	53	8	4	4	9	21	13	39	2	1162	220.8	1.0	0.10	0.04	
A62	A62	8	56	8	6	4	9	21	13	39	1	2471	225.1	5.1	0.51	0.04	
A63	A63	8	8	8	9	4	9	21	13	41	1	3036	224.0	6.2	0.62	0.04	
A64	A64	8	14	8	11	4	9	21	13	41	1	4852	225.3	10.1	1.01	0.04	
A65	A65	8	18	8	17	4	9	21	13	42	1	4929	224.4	10.2	1.02	0.04	
A66	A66	8	24	8	18	4	9	21	13	42	1	7897	221.8	16.6	1.66	0.04	
A67	A67	8	28	8	21	4	9	21	13	44	1	3670	221.7	7.5	0.75	0.04	
A68	A68	7	54	8	1	4	9	21	13	45	2	1218	217.7	1.0	0.10	0.04	
A69	A69	7	55	8	1	4	9	21	13	47	2	1255	218.1	1.0	0.10	0.04	
A70	A70	7	56	8	2	4	9	21	13	47	2	1176	220.3	1.0	0.10	0.04	
A71	A71	7	57	8	2	4	9	21	13	50	3	1184	216.4	0.5	0.05	0.04	
A72	A72	7	58	8	5	4	9	21	13	50	3	1191	218.4	0.5	0.05	0.04	
A73	A73	7	59	8	5	4	9	21	13	54	3	1002	216.4	0.4	0.05	0.04	
A74	A74	8	0	8	6	4	9	21	13	54	2	1190	220.1	1.0	0.10	0.04	
A75	A75	8	0	8	6	4	9	21	13	58	1	1253	216.4	2.4	0.24	0.04	
A76	A76	8	1	8	6	4	9	21	13	59	4	1045	216.9	0.3	0.04	0.04	
A77	A77	8	52	8	3	4	9	21	14	2	1	11129	220.3	24.3	2.43	0.04	
A78	A78	8	56	8	7	4	9	21	14	3	2	1157	221.3	1.0	0.10	0.04	
A79	A79	8	8	8	8	4	9	21	14	5	2	1214	223.6	1.0	0.10	0.04	
A80	A80	8	15	8	12	4	9	21	14	5	1	1098	219.6	2.1	0.21	0.04	
A81	A81	8	17	8	16	4	9	21	14	8	2	1102	222.3	0.9	0.09	0.04	
A82	A82	8	24	8	19	4	9	21	14	8	2	1303	226.0	1.1	0.11	0.04	

CLIENT: ENERGY FUELS RESOURCES

PROJECT: RADON FLUX MEASUREMENTS, WHITE MESA MILL

PROJECT NO.: 21004.01

PILE: 2 BATCH: A SURFACE: SOIL
 AREA: COVER DEPLOYED: 4 6 21 RETRIEVED: 4 7 21
 FIELD TECHNICIANS: DLC, GP, TH, DL, TB, WH, TL COUNTED BY: DLC
 COUNTING SYSTEM I.D.: M01/D21, M02/D20 CAL. DUE: 10/09/21

AIR TEMP MIN: N/A
 CHARCOAL BKG: 141
 DATA ENTRY BY: DLC

WEATHER: NO RAIN
 cpm Wt. Out: 180.0 g.
 TARE WEIGHT: 29.2 g.

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:
A83	A83	8 27	8 20	4 9 21	14 10	1	2857	223.5	5.8	0.58	0.04	
A84	A84	8 30	8 21	4 9 21	14 10	1	2032	220.4	4.1	0.41	0.04	
A85	A85	7 50	7 59	4 9 21	14 13	3	1441	217.3	0.7	0.07	0.04	
A86	A86	7 51	7 59	4 9 21	14 13	3	1288	216.5	0.6	0.06	0.04	
A87	A87	7 52	8 0	4 9 21	14 16	2	1189	218.6	1.0	0.10	0.04	
A88	A88	7 53	8 0	4 9 21	14 16	2	1184	220.8	1.0	0.10	0.04	
A89	A89	8 52	8 3	4 9 21	14 18	1	1021	217.7	1.9	0.19	0.04	
A90	A90	8 4	8 7	4 9 21	14 19	3	1292	224.4	0.6	0.06	0.04	
A91	A91	8 7	8 8	4 9 21	14 22	2	1354	226.0	1.1	0.11	0.04	
A92	A92	8 16	8 12	4 9 21	14 22	1	4402	224.5	9.2	0.92	0.04	
A93	A93	8 16	8 16	4 9 21	14 24	2	1405	230.3	1.2	0.12	0.04	
A94	A94	8 25	8 19	4 9 21	14 24	1	3509	224.6	7.3	0.73	0.04	
A95	A95	8 26	8 20	4 9 21	14 26	1	1749	228.3	3.5	0.35	0.04	
A96	A96	8 49	8 22	4 9 21	14 27	2	1174	224.7	1.0	0.10	0.04	
A97	A97	8 31	8 22	4 9 21	14 29	1	2097	223.1	4.2	0.42	0.04	
A98	A98	8 51	8 2	4 9 21	14 29	1	14280	223.3	31.4	3.14	0.04	
A99	A99	8 5	8 7	4 9 21	14 33	2	1281	223.7	1.1	0.11	0.04	
A100	A100	8 6	8 8	4 9 21	14 33	2	1402	226.3	1.2	0.12	0.04	

AVERAGE RADON FLUX RATE FOR THE CELL 2 COVER REGION: 5.3 pCi/m²s

0.2 MIN
 98.5 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 30	8 5	4 9 21	9 44	10	1744	207.7	0.07	0.03	0.04 CONTROL
A BLANK 2	A BLANK 2	7 30	8 5	4 9 21	9 44	10	1529	208.3	0.02	0.03	0.04 CONTROL
A BLANK 3	A BLANK 3	7 30	8 5	4 9 21	9 59	10	1670	207.0	0.05	0.03	0.04 CONTROL
A BLANK 4	A BLANK 4	7 30	8 5	4 9 21	9 59	10	1644	210.2	0.05	0.03	0.04 CONTROL
A BLANK 5	A BLANK 5	7 30	8 5	4 9 21	10 12	10	1739	208.9	0.07	0.03	0.04 CONTROL

AVERAGE BLANK CANISTER ANALYSIS FOR THE CELL 2 COVER REGION: 0.05 pCi/m²s

Appendix D

Sample Locations Map (Figure 2)

WHITE MESA MILL
BLANDING, UTAH
RADON FLUX

CELL 2

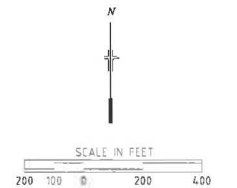
FIRST HALF 2021
04/06/21-04/07/21

PREPARED FOR
ENERGY FUELS RESOURCES

LEGEND

A01 ○ - SAMPLE LOCATION ON
COVERED AREAS

FIGURE 2



TELCO
ENVIRONMENTAL, LLC

THIS DRAWING IS THE PROPERTY OF TELCO ENVIRONMENTAL, LLC AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH TELCO

