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June 29, 2026

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Ms. Diaz, Mr. Rustick, and Mr. Kennedy,

**SUBMITTAL OF THE NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR  
POLLUTANTS ANNUAL REPORT FOR 2025 U.S. DEPARTMENT OF ENERGY  
RADIOLOGICAL EMISSIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT,  
FRNP-RPT-0410**

Enclosed is the calendar year (CY) 2025 Annual National Emissions Standards for Hazardous Air Pollutants Report, required by 40 Code of Federal Regulations (CFR) Part (§) 61, Subpart H. This report summarizes airborne radionuclide emissions from the U.S. Department of Energy Paducah Site and establishes the CY 2025 Effective Dose Equivalent (EDE) to the Maximally Exposed Individual to be 0.00314 millirem (mrem). This is below the annual EDE limit of 10 mrem per year established in 40 CFR § 61.92.

If you have any questions or require additional information, please contact Joshua Koster at (270) 816-6790.

Sincerely,

**APRIL  
LADD**

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April Ladd  
Acting Deputy Manager  
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Enclosures:

1. Certification Page
2. *National Emissions Standards for Hazardous Air Pollutants Annual Report for 2025*  
*U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant, FRNP-RPT-0410*

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**National Emission Standards for Hazardous Air Pollutants  
Annual Report for 2025 U.S. Department of Energy  
Radiological Emissions at the  
Paducah Gaseous Diffusion Plant**



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**National Emission Standards for Hazardous Air Pollutants  
Annual Report for 2025 U.S. Department of Energy  
Radiological Emissions at the  
Paducah Gaseous Diffusion Plant**

Date Issued—June 2026

U.S. DEPARTMENT OF ENERGY  
Office of Environmental Management

Prepared by  
Four Rivers Nuclear Partnership, LLC,  
managing the  
Deactivation and Remediation Project at the  
Paducah Gaseous Diffusion Plant  
under Contract DE-EM0004895

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## ACRONYMS

|            |                                                          |
|------------|----------------------------------------------------------|
| AIRDOS     | Atmospheric Dispersion of Radionuclides                  |
| CAP-88 PC  | Clean Air Act Assessment Package-1988 Personal Computer  |
| <i>CFR</i> | <i>Code of Federal Regulations</i>                       |
| DOE        | U.S. Department of Energy                                |
| EDE        | effective dose equivalent                                |
| EPA        | U.S. Environmental Protection Agency                     |
| EW         | extraction well                                          |
| HEPA       | high-efficiency particulate air                          |
| <i>KAR</i> | <i>Kentucky Administrative Regulations</i>               |
| NEPCS      | Northeast Plume Containment System                       |
| NESHAP     | National Emission Standards for Hazardous Air Pollutants |
| PGDP       | Paducah Gaseous Diffusion Plant                          |
| SX         | seal exhaust                                             |
| WA         | wet air                                                  |

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## EXECUTIVE SUMMARY

The Kentucky Division for Air Quality regulates air emissions of radionuclides, other than radon, from the U.S. Department of Energy (DOE) Paducah Site under 401 *KAR* 57:002 and 40 *CFR* Part 61, Subparts A, and H. Submission of this report fulfills the annual reporting requirements of 40 *CFR* § 61.94.

Paducah Site radionuclide emissions include emissions from the depleted uranium hexafluoride ( $\text{DUF}_6$ ) conversion facility, which began operation in 2011. The  $\text{DUF}_6$  facility converts by-product that was generated by the uranium enrichment process to a more stable uranium oxide compound. Other emission sources include deactivation and remediation of the Paducah Gaseous Diffusion Plant activities, waste management facilities, inactive buildings, and environmental restoration operations.

DOE emissions were used to estimate the Paducah Site dose to the public. The dose to the public is calculated using the computer modeling program (Clean Air Act Assessment Package-1988, Version 4) specified in 40 *CFR* § 61.93. Inputs to the computer program are obtained through continuous monitoring, engineering estimates, emission factors, and other U.S. Environmental Protection Agency-approved methods. This report meets the annual reporting requirements and establishes the total annual effective dose equivalent (EDE) to the maximally exposed member of the public from the Paducah Site emissions to be 0.00341 millirem (mrem) for calendar year 2025. This is below the annual EDE limit of 10 mrem per year set forth in 40 *CFR* § 61.92.

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## **1. FACILITY DESCRIPTION**

Site Name: Paducah Site

Location: Paducah, Kentucky

Owner: U.S. Department of Energy  
Portsmouth/Paducah Project Office  
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## **2. INTRODUCTION**

The U.S. Department of Energy (DOE) owns the Paducah Site, which has radionuclide air emissions. The site was established to enrich uranium and was known as the Paducah Gaseous Diffusion Plant (PGDP). When enrichment activities ceased in 2014, DOE subsequently began deactivation and remediation of the enrichment facilities, and the entire DOE-owned area was identified as the Paducah Site.

Paducah Site emissions include emissions from deactivation and remediation activities, waste management facilities, inactive buildings, environmental restoration operations, and the depleted uranium hexafluoride (DUF<sub>6</sub>) conversion facility. The DUF<sub>6</sub> facility, which began operations in 2011, converts by-products that were generated by the enrichment process to a more stable uranium oxide compound.

Emissions from all of these sources were analyzed together and used to calculate the resultant dose.

## **3. SITE DESCRIPTION**

The Paducah Site was established to support the nation's nuclear program. The Paducah Site, consisting of approximately 3,556 acres, is located in western McCracken County, 10 miles west of Paducah, Kentucky, and 3.5 miles south of the Ohio River. Roughly 600 acres of the site are enclosed within a fenced security area. During World War II, Kentucky Ordnance Works, a trinitrotoluene production facility, was operated

in an area southwest of the plant on what is now a wildlife management area. Kentucky Ordnance Works was not located on the Paducah Site.

Construction of the PGDP facility began in 1951. The plant was fully operational by 1955, supplying enriched uranium for commercial reactors and defense uses. Enriched uranium is defined as uranium in which the concentration of the fissionable uranium-235 (U-235) isotope has been increased from its natural assay. Natural uranium is primarily uranium-238 (U-238), with about 0.71% U-235 and 0.0055% uranium-234 (U-234). Uranium mills process the ores to produce concentrated uranium oxide [triuranium octoxide ( $\text{U}_3\text{O}_8$ )], which then is converted commercially to uranium hexafluoride ( $\text{UF}_6$ ). The  $\text{UF}_6$  then was sent to PGDP for enrichment. One by-product of the enrichment process is  $\text{DUF}_6$ , which is stored at PGDP. In 2011, DOE began operation of a facility to convert the stored  $\text{DUF}_6$  to a more stable uranium oxide, primarily  $\text{U}_3\text{O}_8$ .

The radioactive materials used at PGDP are associated with enrichment of the uranium isotope U-235 using a gaseous diffusion process. During enriching operations from 1953 to 1975,  $\text{UF}_6$  feed material was derived from recycled uranium (called “reactor tails”) from government reactors; “work for others” material also was used intermittently; and  $\text{UF}_6$  processed from uranium ore, which typically was used. Reactor tails were the spent fuel from nuclear reactors that was depleted of U-235 content that had been reprocessed to remove most of the fission products. The reactor fuel assemblies were processed at other DOE facilities (where most of the fission products were removed). The enriched uranium and the remaining fission products were fed into the PGDP cascade system in the chemical form of  $\text{UF}_6$ . Use of the reactor tails resulted in the introduction of technetium-99 (Tc-99), a fission by-product, and transuranics, most notably neptunium-237 (Np-237) and plutonium-239 (Pu-239), into the cascade.

The West Kentucky Wildlife Management Area and lightly populated farmlands are in the immediate environs of PGDP. Based on population data from the 2020 census, the population within a 50-mile radius is approximately 504,000 persons. Of these, 44,000 live within 10 miles of the plant and 108,000 live within 20 miles of the plant. The unincorporated communities of Grahamville and Heath are 1.24 and 1.86 miles east of the plant, respectively. Portions of 28 counties—11 of which are in Kentucky, 4 in Missouri, 10 in Illinois, and 3 in Tennessee—are located within the 50-mile radius of the plant. Larger cities in the region include Paducah, Kentucky, located 10 air miles east of the plant; Cape Girardeau, Missouri, located 40 air miles to the west; and Metropolis, Illinois, located 6 air miles to the northeast. The nearest neighbor residences in each direction are observed and entered into the dose modeling software. The results of the dose modeling are presented in Section 6.

Paducah is located in the humid subtropical zone. Summers generally are dry; precipitation occurs mainly in the spring and fall. Winters are characterized by moderately cold days; the average temperature during the coldest month, January, is about 35°F. Summers are warm and humid; the average temperature in July is 79°F. Yearly precipitation averages about 52 inches. The prevailing wind direction is south to southwest.

#### **4. PADUCAH SITE SOURCE HANDLING AND PROCESSING DESCRIPTION**

Radioactive material handling and processing that occurred last year (2025) included conversion of  $\text{DUF}_6$  to uranium oxides, clean out of the uranium enrichment processes, environmental remediation of hazardous and radioactive materials, and management of radioactive waste.

The point sources from shutdown and clean out of the enrichment processes are grouped as described in the following sections. Some of these activities will be reduced or may cease as deactivation of the enrichment facilities progresses.

#### **4.1 DEPLETED URANIUM HEXAFLUORIDE CONVERSION FACILITY**

The DUF<sub>6</sub> conversion facility has operated since 2011. The facility converts DUF<sub>6</sub> stored in cylinders to a more stable uranium oxide powder. The form of uranium oxide is primarily U<sub>3</sub>O<sub>8</sub>. Multiple prefilters and primary high-efficiency particulate air (HEPA) filter banks within the facility heating, ventilation, and air-conditioning system control particulate emissions of oxide powder. Prior to atmospheric venting of process off-gas through the stack, air passes through a secondary set of HEPA filter banks. The conversion building also is maintained at negative pressure to help eliminate the possibility of fugitive emissions. Radioactive emissions from the conversion operations are monitored continuously.

#### **4.2 DEACTIVATION AND REMEDIATION OF THE PADUCAH GASEOUS DIFFUSION PLANT**

The emission point sources previously analyzed during operation of PGDP also are emission sources for deactivation and remediation. These deactivation sources are grouped in the same manner as the enrichment source grouping. Groups no longer included were removed because their sources have been deactivated. The sources were grouped based on similar emissions, controls, and location.

##### **4.2.1 Group E—C-310 Stack**

The C-310 stack is located near the southwest corner of the C-310 Purge and Product Building. It was the primary emission point of potential radionuclide air emissions during uranium enrichment operations. The effluent is routed through alumina traps prior to being emitted via the C-310 stack. The stack was active beginning in 2021. The stack is used for wet air (WA) passivation of equipment located within the process buildings.

The WA passivation process is not a continuous emissions process; therefore, alternate monitoring plans were requested and approved. Three gaseous samples from each piece of equipment were collected and analyzed for uranium isotopes prior to the introduction of WA. The highest result per isotope was used to determine the worst-case emissions from the equipment. The stack emissions are included in the summary tables.

##### **4.2.2 Group F—Seal Exhaust/Wet Air Group**

The seal exhaust (SX) and WA systems have been evaluated for air emissions. It was determined the alumina traps, which are designed to protect pump oil and not to control emissions, are not pollution control devices under 40 *CFR* Part 61, Subpart H. The determination was forwarded to the U.S. Environmental Protection Agency (EPA) on January 28, 1994.

###### **4.2.2.1 Seal exhaust systems**

Emissions from the SX systems are routed through alumina traps and pump oil prior to venting. Seals on the UF<sub>6</sub> compressors are supplied with an intricate array of air pressures to minimize releases during seal failure. A seal failure allows UF<sub>6</sub> to enter the SX system. If UF<sub>6</sub> reaches the pump by virtue of trap breakthrough, it reacts with the pump oil creating a thick sludge that quickly causes pump failure. In turn,

pump failure limits the amount that can be emitted. Although the pump oil serves as an excellent uranium emission control device due to the reaction between UF<sub>6</sub> and pump oil, no credit is taken for it as a pollution control device.

There is one SX vent per cascade building: one on the C-310 Purge and Product Building, and one on the C-315 Surge and Waste Building. The locations of the six SX systems are as follows:

- C-310 Purge and Product Building;
- C-315 Surge and Waste Building;
- C-331 Process Building;
- C-333 Process Building;
- C-335 Process Building; and
- C-337 Process Building.

Confirmatory measurements on a five-year basis are made on each type of SX/WA system to verify emissions. Emissions from these systems were estimated based on results from the latest measurement that was performed in November 2022. The stack test resulted in nondetects for Np-237, Pu-239/plutonium-240 (Pu-240), and thorium-230 (Th-230). Per guidance provided in DOE-HDBK-1216-2015 Change Notice 1 (Reaffirmed 2022), *Environmental Radiological Effluent Monitoring and Environmental Surveillance* (DOE 2022), Four Rivers Nuclear Partnership, LLC, used the actual results for any nondetects shown on the Oak Ridge Environmental Information System report for the SX/WA stack test performed in 2022 to calculate the average concentration.

Building ventilation and cylinder valve disconnection activities are grouped in with the SX/WA group because these sources are not serviced by a stack. Radiological areas within the cascade buildings at PGDP are established under radiological protection procedures, DOE orders, and 10 *CFR* Part 835.

#### **4.2.2.2 Wet air exhaust systems**

When maintenance is required on cascade equipment, it is evacuated to other sections of the cascade or surge drums. The equipment is swept in a series of purges with dry plant air. After maintenance, the system is closed, and the ambient WA is pumped from the system by the WA pumps. During dry air purges and WA evacuations, air is routed through alumina traps for uranium trapping to protect the WA pump oil and then to an exhaust vent. In cascade buildings C-310, C-335, and C-337, the exhaust vent is shared with the SX system for those buildings. As discussed under SX systems, emissions from the WA exhaust systems are estimated based on the most recent Method 5 stack sampling results (FRNP 2023). The following are the locations of the five WA exhaust systems.

- C-310 Purge and Product Building (same as SX)
- C-331 Process Building
- C-333 Process Building
- C-335 Process Building (same as SX)
- C-337 Process Building (same as SX)

#### **4.2.3 C-409 Laboratory Hood**

The C-409 Stabilization Building has a single-fume hood that is located in the laboratory area. This fume hood (C-409 Laboratory Hood) serves as an engineering control to protect laboratory workers from the inhalation of hazardous substances by safely containing and ventilating hazardous fumes, vapors, gases, and dusts generated by chemical processes performed in the hood. The C-409 Laboratory Hood was added

to the permit under a minor modification in 2024 and was first utilized in April 2025. This modification added Emission Point 18-03.

C-409 Laboratory Hood is used in the preparation of samples that are to be analyzed by the on-site laboratory or shipped to an external lab for analysis. These samples are of various matrices and are analyzed for parameters required for site characterization. The radionuclides involved in analyses consist primarily of uranium. Radioactive emission from this fume hood will be appropriately quantified for reporting purposes.

The samples may be liquids or solids and have a wide range of uranium concentration. Liquid samples will have minimal emissions due to several factors, which include the use of good laboratory practices while working with liquids. Solid samples are likely to have greater potential for emissions, especially when processing samples containing uranium of small particle size. Again, good laboratory practices are used when working with solids.

For monitoring and/or tracking purposes, the laboratory maintains a fume hood use log and records pertinent data such as volumes, weights, etc., from those samples that have a radioactive component. Estimates may be required in certain cases and are notated in the use log.

#### 4.3 ENVIRONMENTAL REMEDIATION ACTIVITIES

DOE had three point sources for environmental remediation activities: the C-612 Northwest Plume Interim Remedial Action Project and units C-765 and C-765-A as part of the Northeast Plume Containment System (NEPCS).

##### 4.3.1 Northwest Plume Interim Remedial Action Project

On August 28, 1995, DOE began operation of a treatment system designed to remove trichloroethene (TCE) and Tc-99 from contaminated groundwater at PGDP. The facility, C-612 Northwest Plume Groundwater System, is located at the northwest corner of the PGDP site security area. The facility consists of an air stripper to remove volatile organics and an ion exchange media to remove Tc-99. Air stripping precedes ion exchange in the water treatment process.

In the water treatment process, the only potential radiological air emissions are emitted by air stripping; however, historical sampling has shown very little change in the concentration of Tc-99 in the water when it passes through the air stripper. The amount of Tc-99 potentially released as air emissions is the calculated difference between the air stripper influent and effluent water concentrations for Tc-99. This gives the maximum amount of Tc-99 that could be released to the atmosphere in air emissions. Emissions of Tc-99 were estimated using 40 *CFR* Part 61, Appendix D, emission factors and the analysis of the groundwater. The total amount of source inventory in curies was calculated using the following equation:

$$Q = V * V_{cf} * (C_{conc-inf} - C_{conc-eff}) * R_{cf}$$

Where:

Q = Source inventory, curies

V = Volume of water treated, gallon (gal)

V<sub>cf</sub> = Volume Conversion Factor (3.7854 liter (L)/gal)

C<sub>conc-inf</sub> = Tc-99 concentration, picocurie (pCi)/L

C<sub>conc-eff</sub> = Tc-99 concentration, pCi/L

R<sub>cf</sub> = pCi to curie (Ci) Conversion Factor (1.00E-12 Ci/pCi)

The calculation for the emissions then utilized the following equation:

$$E = Q * P_s * C_f$$

Where:

E = Emissions (source term), curies

Q = Source inventory, curies

P<sub>s</sub> = Physical State Factor, dimensionless

C<sub>f</sub> = Effluent Control Factor adjustment, dimensionless

The exhaust from the air stripper is passed through a carbon adsorption unit prior to release to the atmosphere. Historical data have shown that Tc-99 is not retained in the carbon; therefore, an ion exchange resin is in place to treat the water for Tc-99. The Northwest Plume Treatment System treated 103,811,228 gal during calendar year 2025. The results of the analysis of the estimated emissions are reported in Section 6.

#### 4.3.2 Northeast Plume Containment System

DOE began normal operation of the original NEPCS (C-614 Northeast Plume Treatment System), a second treatment system, on February 28, 1997, as an interim remedial action also to treat contaminated groundwater. The C-614 system extracted contaminated groundwater and pumped it to an air stripper for removal of TCE. The Northeast Plume Treatment System was not designed to treat for Tc-99, as it was not identified as a contaminant of concern as part of this interim remedial action; however, low-concentration Tc-99 was detected in the groundwater and, consequently, could have been emitted into the air. The original NEPCS operated two extraction wells (EWs) (EW331 and EW332), which extracted the contaminated groundwater to treatment unit C-765, and the original NEPCS was operated until August 2017.

The NEPCS underwent an optimization and was fully operational in October 2017. The optimized NEPCS consists of two EWs (EW234 and EW235), each of which has its own treatment unit (i.e., air stripper) capable of operating independently, but with a combined effluent discharge point. The C-765 treatment unit is operated to treat water extracted from EW234, and the C-765-A treatment unit is operated to treat water extracted from EW235. The optimized C-765 and C-765-A units treated 48,521,733 gal and 39,371,375 gal, respectively, during the 2025 calendar year.

In the water treatment process, the only potential air emissions are emitted by air stripping; however, historical sampling has shown very little change in the concentration of Tc-99 in the water when it passes through the air stripper. The amount of Tc-99 potentially released as air emissions through the treatment system is calculated to better estimate the actual emissions from the Northeast Plume. The amount of Tc-99 potentially released as air emissions is the calculated difference between the Tc-99 water concentrations at the influent into each treatment system and the combined effluent sample location. The difference between the influent and effluent concentrations determines the maximum amount of Tc-99 that could be released to the atmosphere in air emissions. Emissions of Tc-99 were estimated using 40 *CFR* Part 61, Appendix D, emission factors and the analysis of the groundwater. The total amount of source inventory in curies was calculated using the following equation:

$$Q = V * V_{cf} * (C_{onc-inf} - C_{onc-eff}) * R_{cf}$$

Where:

Q = Source inventory, curies  
V = Volume of water treated, gal  
V<sub>cf</sub> = Volume Conversion Factor (3.7854 L/gal)  
C<sub>onc-inf</sub> = Tc-99 concentration, pCi/L  
C<sub>onc-eff</sub> = Tc-99 concentration, pCi/L  
R<sub>cf</sub> = pCi to Ci Conversion Factor (1.00E-12 Ci/pCi)

The calculation for the emissions then utilized the following equation:

$$E = Q * P_s * C_f$$

Where:

E = Emissions (source term), curies  
Q = Source inventory, curies  
P<sub>s</sub> = Physical State Factor, dimensionless  
C<sub>f</sub> = Effluent Control Factor adjustment, dimensionless

The results of the analysis of the estimated emissions are reported in Section 6.

#### 4.4 FUGITIVE AND DIFFUSE SOURCES

Diffuse and fugitive emission sources include any source that is distributed spatially, diffused in nature, or not emitted with forced air from a stack, vent, or other confined conduit. In this case, radionuclides are transported entirely by diffusion and/or thermally-driven air currents. Typical examples of fugitive and diffuse emissions include emissions from building breathing; resuspension of contaminated soils, debris, or other materials; unventilated tanks; streams; wastewater treatment systems; outdoor storage and processing areas; and leaks in piping, valves, or other cascade equipment. DOE has identified many potential fugitive and diffuse emission sources such as inactive facilities, building roofs, scrap metal storage yards, landfills, cylinder yards, and various contamination areas. Specific activities that could generate fugitive emissions include transport and disposal of waste, demolition of contaminated facilities, and most environmental remediation. The use of ambient air monitors to evaluate emissions from fugitive and diffuse sources is described in Section 9. In 2025, the Paducah Site had no unplanned airborne releases (see Section 8). Analyses of ambient air monitoring results for 2025 were compared using the methods in the EPA-approved National Emission Standards for Hazardous Air Pollutants (NESHAP) Management Plan. The analysis indicated that plant-derived radionuclides were not detected in concentrations greater than 40 *CFR* Part 61, Appendix E, Table 2, concentrations, as depicted in the tables provided in the appendix of this report. DOE utilizes ambient air monitoring to verify insignificant levels of radionuclides in off-site ambient air. The ambient air monitors are not included in the annual dose calculation because it is not a point source.

### 5. WAIVER OF CONSTRUCTION AND MODIFICATION ACTIVITIES

No construction or modification activities occurred in this reporting period that were waived under 40 *CFR* § 61.96.

## 6. SOURCE CHARACTERISTICS AND AIR EMISSIONS DATA

Tables 1 through 4 contain specific emission information for each Paducah Site emission point. Table 1 lists the emission points and efficiency of control devices, as required by 40 *CFR* § 61.94 (b) (4) and (5). It is assumed that control for the Northwest Plume Treatment System has 0% efficiency because no credit is taken for any Tc-99 removal as a result of carbon filtration. Table 2 lists the distances from each emission point to receptors of concern, as listed in 40 *CFR* § 61.94 (b) (6). Table 3 contains emission point information required to estimate the resulting potential exposure, as required by 40 *CFR* § 61.94 (b) (7). Table 4 contains a list of Paducah Site radioactive materials, as required by 40 *CFR* § 61.94 (b) (2), their emission rates, and total Paducah Site emissions by nuclide.

**Table 1. Emission Point Effluent Controls, Efficiencies, and Physical State Factor**

| Emission Points                        | Type Control | Efficiency % | Physical State Factor |
|----------------------------------------|--------------|--------------|-----------------------|
| Group E C-310 Stack                    | None         | 0            | 1                     |
| Group F SX/WA Group                    | None         | 0            | 1                     |
| Northwest Plume Treatment System       | Carbon       | 0            | .001                  |
| Northeast Plume Treatment Unit C-765   | None         | 0            | .001                  |
| Northeast Plume Treatment Unit C-765-A | None         | 0            | .001                  |
| DUF <sub>6</sub> Conversion Facility   | HEPA         | 99.90        | 1                     |
| C-409 Laboratory Hood                  | None         | 0            | 1                     |

NOTE: The building ventilation and cylinder valve connection activities not serviced by a stack are grouped with the SX/WA group or respective building.

**Table 2. Distances to Selected Receptors**

| Emission Points                        | Distances (m) to Selected Receptors |                  |                |                   |
|----------------------------------------|-------------------------------------|------------------|----------------|-------------------|
|                                        | Nearest Farm                        | Nearest Business | Nearest School | Nearest Residence |
| Group E C-310 Stack                    | 2,512                               | 2,660            | 3,834          | 1,741             |
| Group F SX/WA Group                    | 1,798                               | 2,412            | 4,200          | 1,571             |
| Northwest Plume Treatment System       | 1,761                               | 1,290            | 5,455          | 1,149             |
| Northeast Plume Treatment Unit C-765   | 1,327                               | 2,196            | 3,769          | 1,003             |
| Northeast Plume Treatment Unit C-765-A | 1,488                               | 2,054            | 3,514          | 944               |
| DUF <sub>6</sub> Conversion Facility   | 2,143                               | 2,849            | 3,516          | 2,143             |
| C-409 Laboratory Hood                  | 2,134                               | 2,477            | 4,147          | 2,057             |

**Table 3. Characteristics of Stacks, Vents, or Other Emission Points that Emit Radionuclides**

| <b>Emission Points</b>                 | <b>Type</b> | <b>Height (m)</b> | <b>Diameter (m)</b> | <b>Gas Exit Velocity (m/s)</b> | <b>Gas Exit Temp. (°C)</b> | <b>Distance (m) &amp; Direction to Maximally Exposed Individual for Each Source</b> |
|----------------------------------------|-------------|-------------------|---------------------|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|
| Group E C-310 Stack                    | Point       | 60.98             | 0.30                | 7.77                           | Ambient                    | 3,131 NNE                                                                           |
| Group F SX/WA Group                    | Point       | 21.00             | 0.50                | 0.00                           | Ambient                    | 2,083 NNW<br>2,524 N                                                                |
| Northwest Plume Treatment System       | Point       | 7.00              | 0.36                | 9.45                           | Ambient                    | 1,149 NNE                                                                           |
| Northeast Plume Treatment Unit C-765   | Point       | 5.94              | 0.19                | 10.76                          | Ambient                    | 1,003 SE                                                                            |
| Northeast Plume Treatment Unit C-765-A | Point       | 5.94              | 0.19                | 10.76                          | Ambient                    | 944 ESE                                                                             |
| DUF <sub>6</sub> Conversion Facility   | Point       | 52.43             | 1.07                | 16.19                          | 20                         | 2,143 SSW<br>2,216 S                                                                |
| C-409 Laboratory Hood                  | Point       | 14.02             | 0.25                | 17.07                          | Ambient                    | 2,134 N                                                                             |

**Table 4. Radionuclide Materials and Emissions Data (Curies)**

| <b>Nuclide</b>           | <b>Group E C-310 Stack</b> | <b>Group F SX/WA</b> | <b>Northwest Plume</b> | <b>Northeast Plume C-765</b> | <b>Northeast Plume C-765-A</b> | <b>DUF<sub>6</sub> Conversion Facility</b> | <b>C-409 Lab Hood</b> | <b>Total Site Emissions</b> |
|--------------------------|----------------------------|----------------------|------------------------|------------------------------|--------------------------------|--------------------------------------------|-----------------------|-----------------------------|
| U-234                    | 2.54E-03                   | 8.60E-09             | 0                      | 0                            | 0                              | 5.83E-08                                   | 2.24E-12              | 2.54E-03                    |
| U-235                    | 1.73E-04                   | 4.54E-10             | 0                      | 0                            | 0                              | 2.66E-09                                   | 0                     | 1.73E-04                    |
| U-238                    | 2.36E-03                   | 4.52E-09             | 0                      | 0                            | 0                              | 1.43E-07                                   | 3.96E-12              | 2.36E-03                    |
| Tc-99                    | 0                          | 4.47E-09             | 1.84E-05               | 3.78E-06                     | 0                              | 0                                          | 0                     | 2.22E-05                    |
| Th-230                   | 0                          | 1.84E-10             | 0                      | 0                            | 0                              | 0                                          | 0                     | 1.84E-10                    |
| Thorium-231              | 0                          | 0                    | 0                      | 0                            | 0                              | 6.81E-08                                   | 0                     | 6.81E-08                    |
| Thorium-234              | 0                          | 0                    | 0                      | 0                            | 0                              | 6.22E-06                                   | 0                     | 6.22E-06                    |
| Np-237                   | 0                          | 4.74E-11             | 0                      | 0                            | 0                              | 0                                          | 0                     | 4.74E-11                    |
| Pu-239                   | 0                          | 2.26E-12             | 0                      | 0                            | 0                              | 0                                          | 0                     | 2.26E-12                    |
| Protactinium-234m        | 0                          | 0                    | 0                      | 0                            | 0                              | 6.22E-06                                   | 0                     | 6.22E-06                    |
| <b>Total Curies/Year</b> | 5.07E-03                   | 1.83E-08             | 1.84E-05               | 3.78E-06                     | 0                              | 1.27E-05                                   | 6.20E-12              | 5.11E-03                    |

## 7. DOSE ASSESSMENT

### 7.1 DESCRIPTION OF DOSE MODEL

The Clean Air Act Assessment Package-1988 Personal Computer (CAP-88 PC) is a set of computer programs, databases, and associated utility programs for estimation of dose and risk from radionuclide emissions to air. CAP-88 PC is composed of modified versions of the Atmospheric Dispersion of Radionuclides (AIRDOS)-EPA and Dose and Risk Assessment Tabulation (i.e., DARTAB) computer codes. CAP-88 PC contains EPA's version of the AIRDOS-EPA computer code, which implements a steady-state, Gaussian plume, atmospheric dispersion model to calculate environmental concentrations of released radionuclides; and then, food chain models are used to calculate human exposures, both internal and external, to the environmental concentrations.

CAP-88 PC incorporates age-dependent dose factors from DCFPAK-2.2 combined with factors and method of Federal Guidance Report 13. The Federal Guidance Report 13 dose factors are based on the methods in 1996 Publication 72 of the International Commission on Radiological Protection. The dose factors are used to calculate effective doses. The effective dose is the weighted sum of equivalent doses to 12 specific tissues and organs, plus a general category that accounts for the remaining organs and tissues.

### 7.2 SUMMARY OF INPUT PARAMETERS

Default input parameters are used except for those provided in Section 6 and immediately below.

Meteorological input information is from the National Weather Service at Paducah, except for the on-site joint frequency distribution information. After review of current wind distributions from the National Weather Service at Paducah, it was determined that the continued use of the joint frequency distribution information is still applicable for the Paducah Site. The 2025 annual precipitation and average air temperature from the National Climatic Data Center "Climate Data Online" database were used to account for current rainfall and air temperatures. The rainfall rate in 2025 [162.36 centimeters (cm)] was more than the 1971–2000 average rainfall (149.8 cm). The mixing height of 542 m is based on evaluation of 2014 National Weather Service data for the Paducah area by K. Birdwell, Oak Ridge National Laboratory meteorologist (ORNL 2015). The mixing height from 2014 was used for the 2025 CAP-88 PC runs. Typically, mixing heights do not vary much from year to year; however, they can vary more over a period of years. After review of current mixing heights from the National Weather Service at Paducah, the previous evaluation is still applicable.

|                               |                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Joint frequency distribution: | Five-year stability array distribution from 60 meters (m) station on PGDP meteorological tower for the years 1988 through 1992. |
| Rainfall rate:                | 162.36 cm/year                                                                                                                  |
| Average air temperature:      | 15.28°C                                                                                                                         |
| Average mixing layer height:  | 542 m                                                                                                                           |

Fraction of foodstuffs from (rural default values):

|                         | <u>Local Area</u> | <u>50-Mile Radius</u> | <u>Beyond 50 Miles</u> |
|-------------------------|-------------------|-----------------------|------------------------|
| Vegetables and produce: | 0.70              | 0.30                  | 0.00                   |
| Meat:                   | 0.40              | 0.60                  | 0.00                   |
| Milk:                   | 0.44              | 0.56                  | 0.00                   |

### 7.3 DOSE ESTIMATE

Effective dose equivalent (EDE) to the maximally exposed individual for each individual point source at the Paducah Site, as well as the collective EDE to the 50-mile population, is provided in Table 5.

**Table 5. Dose Analysis**

| <b>Emission Sources</b>                | <b>EDE to the Maximum Exposed Individual for Each Source (mrem)</b> | <b>EDE to the Maximum Exposed Individual for the Plant (mrem)</b> | <b>Collective EDE to the 50-mile Population (person-rem)</b> |
|----------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|
| Group E—C-310 Stack                    | 3.40E-03                                                            | 3.40E-03                                                          | 3.12E-02                                                     |
| Group F—SX/WA Group                    | 6.00E-09                                                            | 6.00E-09                                                          | 2.15E-07                                                     |
| Northwest Plume Treatment System       | 1.30E-05                                                            | 4.60E-06                                                          | 5.16E-05                                                     |
| Northeast Plume Treatment Unit C-765   | 1.90E-06                                                            | 8.00E-07                                                          | 1.05E-05                                                     |
| Northeast Plume Treatment Unit C-765-A | 0.0E+00                                                             | 0.0E+00                                                           | 0.0E+00                                                      |
| C-409 Laboratory Hood                  | 6.40E-12                                                            | 5.20E-12                                                          | 4.80E-11                                                     |
| DUF <sub>6</sub> Conversion Facility   | 1.40E-07                                                            | 1.00E-07                                                          | 1.67E-06                                                     |
| <b>Total from All Sources</b>          |                                                                     | <b>3.41E-03</b>                                                   | <b>3.13E-02</b>                                              |

The maximally exposed individual from all facility emissions is located 3,131 m north-northeast of the C-310 stack. The total annual EDE to the maximally exposed member of the public from Paducah Site emissions of 0.00341 mrem for calendar year 2025, as tabulated and summed in Table 5, was lower than in calendar year 2024.

U.S. Census (2020) counts population at the block level. These population counts were joined to their respective census blocks, and then incorporated into a dasymetric computer model to distribute the counts spatially within each block. A dasymetric model uses a likelihood dataset (i.e., where the people are most likely to be located) to distribute the population mathematically. This likelihood dataset incorporated such things as land cover, distance to roads, building height, etc. The result was a 3-arc second gridded population database. This grid was intersected with the sector-annuli rose to tabulate the final population counts. The resulting population data then were converted into a population data file by CAP-88 PC. Based on population data from the 2020 census, the total collective EDE to the 50-mile population (i.e., approximately 504,000 persons) was 0.0313 person-rem. The total collective EDE to the 50-mile population is calculated by summing the total collective EDE from each source as generated from CAP-88 PC.

## **8. UNPLANNED RELEASES**

There were no DOE unplanned radioactive airborne releases in 2025.

## **9. AMBIENT AIR MONITORING**

In accordance with the *National Emission Standards for Hazardous Air Pollutants Management Plan for Emission of Radionuclides for the U.S. Department of Energy Operations at the Paducah Site, Paducah, Kentucky*, CP2-EC-0002, January 2026, DOE used ambient air monitoring data to verify insignificant levels of radionuclides in off-site ambient air. Ambient air stations collect radionuclide samples at sites surrounding the plant. The ambient air monitors capture airborne radionuclides emitted from all sources, including fugitive and diffuse sources. The locations of the ambient air monitoring stations are shown in Figure 1.

The ambient air monitoring stations operate continuously, drawing air through a paper filter to capture particles that may be radioactive. Filter paper is changed weekly and composited for three months. Composited filter papers are analyzed for radioactivity by a laboratory.

Analyses of ambient air monitoring results for 2025 were compared using the methods in the EPA-approved NESHAP Management Plan. The analysis indicated that plant-derived radionuclides were not detected in concentrations greater than 40 *CFR* Part 61, Appendix E, Table 2, concentrations, as depicted in the tables provided in the appendix of this report. As stated in Section 8, there were no unplanned radioactive airborne releases from the Paducah Site in 2025. The data presented in the appendix (Tables A.2 and A.3) of this report used all analytical results, positive and negative values, which is in accordance with Section 8.5.2 of DOE-HDBK-1216-2015 (DOE 2022), regarding the use of “Less-Than-Detectable-Values” for data reporting.

## **10. STATUS OF 40 *CFR* PART 61, SUBPART H, COMPLIANCE**

DOE remains in compliance with 40 *CFR* Part 61, Subpart H. Kentucky Division for Air Quality has received a delegation of authority to administer the NESHAP program.

Ambient air monitors measure radionuclide emissions from Paducah Site point sources, fugitive air emission sources, and background levels of radionuclides. In accordance with the NESHAP Management Plan, ambient air monitors are used to confirm that radiological emissions from the site produce a dose less than the levels allowed by 40 *CFR* Part 61, Subpart H.

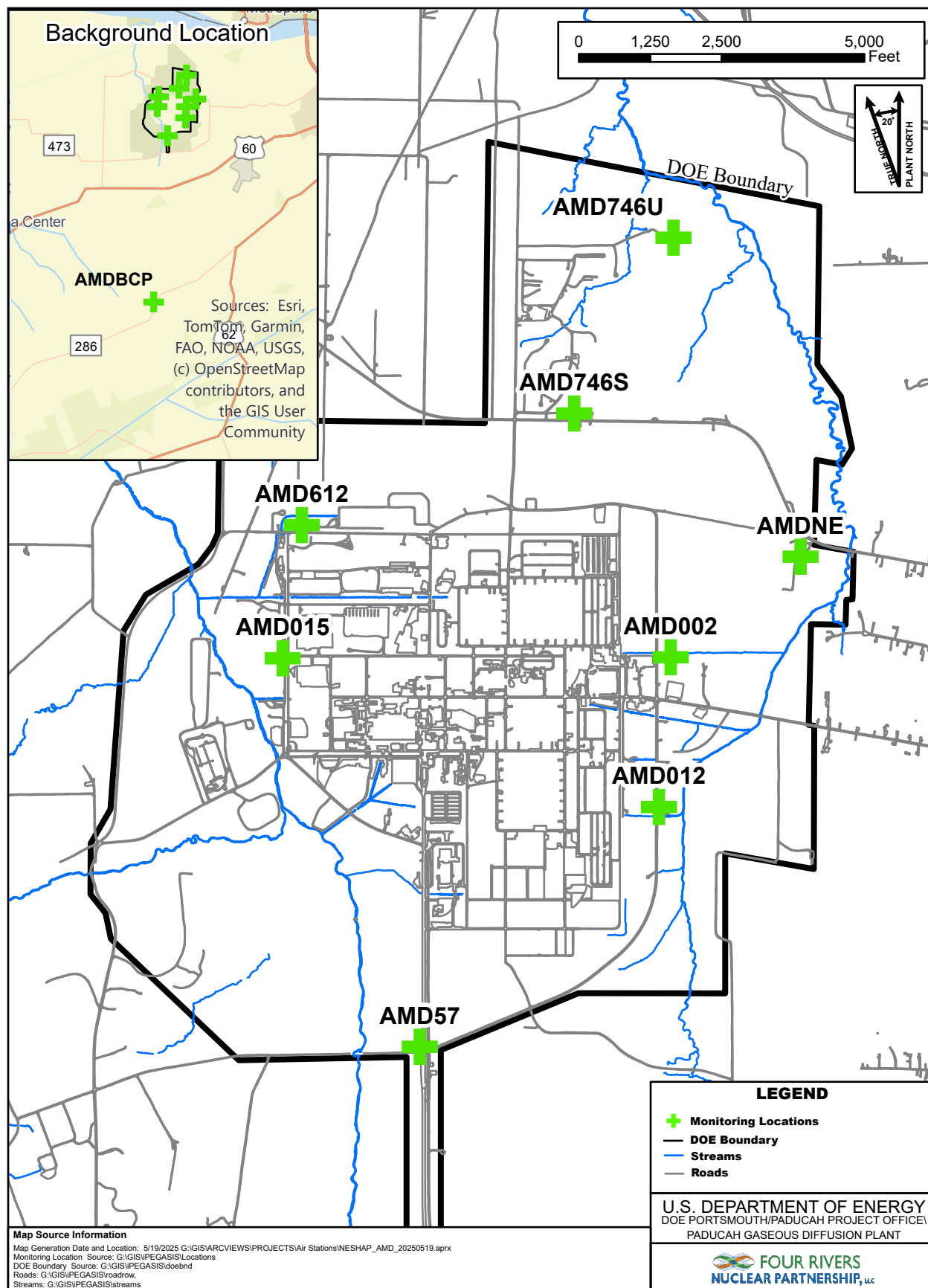


Figure 1. DOE Ambient Air Monitoring Stations

## 11. REFERENCES

- DOE (U.S. Department of Energy) 2022. *Environmental Radiological Effluent Monitoring and Environmental Surveillance*, DOE-HDBK-1216-2015 Change Notice 1 (Reaffirmed 2022), U.S. Department of Energy, Washington, DC, September.
- FRNP (Four Rivers Nuclear Partnership, LLC) 2023. Letter from M. Redfield, Four Rivers Nuclear Partnership, LLC, to B. Markin, Kentucky Department for Environmental Protection, “Performance Test Report—Stack Testing of the Wet Air System for Radionuclides at the Paducah Gaseous Diffusion Plant, Four Rivers Nuclear Partnership, LLC, Agency Interest ID No. 46094,” FRNP-23-6920, January 10.
- ORNL (Oak Ridge National Laboratory) 2015. Email from P. Scofield, Oak Ridge National Laboratory, to S. Knaus, Fluor Federal Services, Inc., Paducah Deactivation Project, “2014 RadNeshaps Report and Tables,” May 11.

## **APPENDIX**

### **AMBIENT AIR MONITORING DATA**

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Table A.1. Sum of the Fractions Standard

| Station                                     | Client Sample ID        | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|-------------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 1st Quarter January through March           |                         |                |                    |             |            |               |               |          |                      |           |
|                                             | <b>Quarter Air Flow</b> | 7404           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Neptunium-237      | 0.01        | pCi/sample | 1.35E-06      | 1.35E-18      | 1.20E-15 | 1.13E-03             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Plutonium-239/240  | 0.284       | pCi/Sample | 3.84E-05      | 3.84E-17      | 2.00E-15 | 1.92E-02             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Technetium-99      | 9.41        | pCi/Sample | 1.27E-03      | 1.27E-15      | 1.40E-13 | 9.08E-03             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Thorium-234        | 13.9        | pCi/sample | 1.88E-03      | 1.88E-15      | 2.20E-12 | 8.53E-04             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | <b>Uranium-234</b> | <b>2.6</b>  | pCi/Sample | 3.51E-04      | 3.51E-16      | 7.70E-15 | 4.56E-02             |           |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | Uranium-235*       | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 7.10E-15 | 0.00E+00             | U         |
| AMD002                                      | Q2AMD0022-25            | 31-Mar-25      | <b>Uranium-238</b> | <b>1.27</b> | pCi/Sample | 1.72E-04      | 1.72E-16      | 8.30E-15 | 2.07E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 9.65E-02             |           |
|                                             | <b>Quarter Air Flow</b> | 7102           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Neptunium-237      | 0.489       | pCi/sample | 6.89E-05      | 6.89E-17      | 1.20E-15 | 5.74E-02             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Plutonium-238      | 0.212       | pCi/sample | 2.99E-05      | 2.99E-17      | 2.10E-15 | 1.42E-02             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Plutonium-239/240  | 0.0915      | pCi/sample | 1.29E-05      | 1.29E-17      | 2.00E-15 | 6.44E-03             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Technetium-99      | 33.7        | pCi/sample | 4.75E-03      | 4.75E-15      | 1.40E-13 | 3.39E-02             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | <b>Uranium-234</b> | <b>1.32</b> | pCi/sample | 1.86E-04      | 1.86E-16      | 7.70E-15 | 2.41E-02             |           |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Uranium-235        | 0.0886      | pCi/sample | 1.25E-05      | 1.25E-17      | 7.10E-15 | 1.76E-03             | U         |
| AMD012                                      | Q2AMD0122-25            | 31-Mar-25      | Uranium-238        | 1.05        | pCi/sample | 1.48E-04      | 1.48E-16      | 8.30E-15 | 1.78E-02             | U         |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.56E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7431           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Plutonium-238      | 0.0342      | pCi/sample | 4.60E-06      | 4.60E-18      | 2.10E-15 | 2.19E-03             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Plutonium-239/240  | 0.0342      | pCi/sample | 4.60E-06      | 4.60E-18      | 2.00E-15 | 2.30E-03             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Technetium-99      | 8.55        | pCi/sample | 1.15E-03      | 1.15E-15      | 1.40E-13 | 8.22E-03             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Thorium-234        | 13.5        | pCi/sample | 1.82E-03      | 1.82E-15      | 2.20E-12 | 8.26E-04             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | <b>Uranium-234</b> | <b>2.12</b> | pCi/sample | 2.85E-04      | 2.85E-16      | 7.70E-15 | 3.71E-02             |           |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | Uranium-235        | 0.317       | pCi/sample | 4.27E-05      | 4.27E-17      | 7.10E-15 | 6.01E-03             | U         |
| AMD015                                      | Q2AMD0152-25            | 31-Mar-25      | <b>Uranium-238</b> | <b>1.91</b> | pCi/sample | 2.57E-04      | 2.57E-16      | 8.30E-15 | 3.10E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 8.76E-02             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID        | Date Collected | Analysis           | Result       | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|-------------------------|----------------|--------------------|--------------|------------|---------------|---------------|----------|----------------------|-----------|
| 1st Quarter January through March           |                         |                |                    |              |            |               |               |          |                      |           |
|                                             | <b>Quarter Air Flow</b> | 7403           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Americium-241*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Neptunium-237*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Plutonium-238      | 0.15         | pCi/sample | 2.03E-05      | 2.03E-17      | 2.10E-15 | 9.65E-03             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Plutonium-239/240* | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Technetium-99      | 65.7         | pCi/sample | 8.87E-03      | 8.87E-15      | 1.40E-13 | 6.34E-02             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Thorium-234*       | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | <b>Uranium-234</b> | <b>1.46</b>  | pCi/sample | 1.97E-04      | 1.97E-16      | 7.70E-15 | 2.56E-02             |           |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | Uranium-235*       | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 7.10E-15 | 0.00E+00             | U         |
| AMD57                                       | Q2AMD572-25             | 31-Mar-25      | <b>Uranium-238</b> | <b>2.67</b>  | pCi/sample | 3.61E-04      | 3.61E-16      | 8.30E-15 | 4.35E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |              |            |               |               |          | 1.42E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7406           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Americium-241      | 0.138        | pCi/sample | 1.86E-05      | 1.86E-17      | 1.90E-15 | 9.81E-03             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Neptunium-237      | 0.169        | pCi/sample | 2.28E-05      | 2.28E-17      | 1.20E-15 | 1.90E-02             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Plutonium-238*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Plutonium-239/240  | 0.198        | pCi/sample | 2.67E-05      | 2.67E-17      | 2.00E-15 | 1.34E-02             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Technetium-99      | 17.6         | pCi/sample | 2.38E-03      | 2.38E-15      | 1.40E-13 | 1.70E-02             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Thorium-234        | 5.57         | pCi/sample | 7.52E-04      | 7.52E-16      | 2.20E-12 | 3.42E-04             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | <b>Uranium-234</b> | <b>1.86</b>  | pCi/sample | 2.51E-04      | 2.51E-16      | 7.70E-15 | 3.26E-02             |           |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | Uranium-235        | 0.186        | pCi/sample | 2.51E-05      | 2.51E-17      | 7.10E-15 | 3.54E-03             | U         |
| AMD612                                      | Q2AMD6122-25            | 31-Mar-25      | <b>Uranium-238</b> | <b>0.886</b> | pCi/sample | 1.20E-04      | 1.20E-16      | 8.30E-15 | 1.44E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |              |            |               |               |          | 1.10E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7417           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Americium-241*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Neptunium-237      | 0.897        | pCi/sample | 1.21E-04      | 1.21E-16      | 1.20E-15 | 1.01E-01             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Plutonium-238*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Plutonium-239/240  | 0.328        | pCi/sample | 4.42E-05      | 4.42E-17      | 2.00E-15 | 2.21E-02             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Technetium-99      | 35.2         | pCi/sample | 4.75E-03      | 4.75E-15      | 1.40E-13 | 3.39E-02             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Thorium-234*       | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Uranium-234        | 0.653        | pCi/sample | 8.80E-05      | 8.80E-17      | 7.70E-15 | 1.14E-02             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | Uranium-235        | 0.262        | pCi/sample | 3.53E-05      | 3.53E-17      | 7.10E-15 | 4.98E-03             | U         |
| AMD746S                                     | Q2AMD746S2-25           | 31-Mar-25      | <b>Uranium-238</b> | <b>1.39</b>  | pCi/sample | 1.87E-04      | 1.87E-16      | 8.30E-15 | 2.26E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |              |            |               |               |          | 1.96E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                              | Client Sample ID | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|--------------------------------------|------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 1st Quarter January through March    |                  |                |                    |             |            |               |               |          |                      |           |
|                                      | Quarter Air Flow | 7408           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Americium-241      | 0.829       | pCi/sample | 1.12E-04      | 1.12E-16      | 1.90E-15 | 5.89E-02             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Plutonium-238      | 0.418       | pCi/sample | 5.64E-05      | 5.64E-17      | 2.10E-15 | 2.69E-02             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Plutonium-239/240  | 0.142       | pCi/sample | 1.92E-05      | 1.92E-17      | 2.00E-15 | 9.58E-03             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Technetium-99      | 3.56        | pCi/sample | 4.81E-04      | 4.81E-16      | 1.40E-13 | 3.43E-03             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Thorium-234        | 2.02        | pCi/sample | 2.73E-04      | 2.73E-16      | 2.20E-12 | 1.24E-04             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | <b>Uranium-234</b> | <b>2.3</b>  | pCi/sample | 3.10E-04      | 3.10E-16      | 7.70E-15 | 4.03E-02             |           |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | Uranium-235        | 0.384       | pCi/sample | 5.18E-05      | 5.18E-17      | 7.10E-15 | 7.30E-03             | U         |
| AMD746U                              | Q2AMD746U2-25    | 31-Mar-25      | <b>Uranium-238</b> | <b>1.43</b> | pCi/sample | 1.93E-04      | 1.93E-16      | 8.30E-15 | 2.33E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.70E-01             |           |
|                                      | Quarter Air Flow | 7408           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Neptunium-237      | 0.897       | pCi/sample | 1.21E-04      | 1.21E-16      | 1.20E-15 | 1.01E-01             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Plutonium-238      | 0.0341      | pCi/sample | 4.60E-06      | 4.60E-18      | 2.10E-15 | 2.19E-03             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Plutonium-239/240  | 0.0973      | pCi/sample | 1.31E-05      | 1.31E-17      | 2.00E-15 | 6.57E-03             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Technetium-99*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Thorium-234        | 22.3        | pCi/sample | 3.01E-03      | 3.01E-15      | 2.20E-12 | 1.37E-03             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | <b>Uranium-234</b> | <b>1.45</b> | pCi/sample | 1.96E-04      | 1.96E-16      | 7.70E-15 | 2.54E-02             |           |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | Uranium-235        | 0.0416      | pCi/sample | 5.62E-06      | 5.62E-18      | 7.10E-15 | 7.91E-04             | U         |
| AMDBCP                               | Q2AMDBCP2-25     | 31-Mar-25      | <b>Uranium-238</b> | <b>1.62</b> | pCi/sample | 2.19E-04      | 2.19E-16      | 8.30E-15 | 2.63E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.64E-01             |           |
|                                      | Quarter Air Flow | 7407           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Americium-241      | 0.126       | pCi/sample | 1.70E-05      | 1.70E-17      | 1.90E-15 | 8.95E-03             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Plutonium-238*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Plutonium-239/240* | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Technetium-99      | 10.6        | pCi/sample | 1.43E-03      | 1.43E-15      | 1.40E-13 | 1.02E-02             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Thorium-234        | 18.1        | pCi/sample | 2.44E-03      | 2.44E-15      | 2.20E-12 | 1.11E-03             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Uranium-234        | 0.958       | pCi/sample | 1.29E-04      | 1.29E-16      | 7.70E-15 | 1.68E-02             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | Uranium-235        | 0.122       | pCi/sample | 1.65E-05      | 1.65E-17      | 7.10E-15 | 2.32E-03             | U         |
| AMDNE                                | Q2AMDNE2-25      | 31-Mar-25      | <b>Uranium-238</b> | <b>1.4</b>  | pCi/sample | 1.89E-04      | 1.89E-16      | 8.30E-15 | 2.28E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 6.22E-02             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                              | Client Sample ID | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|--------------------------------------|------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 2nd Quarter April through June       |                  |                |                    |             |            |               |               |          |                      |           |
|                                      | Quarter Air Flow | 7384           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Americium-241      | 0.155       | pCi/sample | 2.10E-05      | 2.10E-17      | 1.90E-15 | 1.10E-02             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Technetium-99      | 21.1        | pCi/Sample | 2.86E-03      | 2.86E-15      | 1.40E-13 | 2.04E-02             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | <b>Uranium-234</b> | <b>1.77</b> | pCi/Sample | 2.40E-04      | 2.40E-16      | 7.70E-15 | 3.11E-02             |           |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | Uranium-235        | 0.106       | pCi/Sample | 1.44E-05      | 1.44E-17      | 7.10E-15 | 2.02E-03             | U         |
| AMD002                               | Q3AMD0023-25     | 30-Jun-25      | <b>Uranium-238</b> | <b>1.56</b> | pCi/Sample | 2.11E-04      | 2.11E-16      | 8.30E-15 | 2.55E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 9.01E-02             |           |
|                                      | Quarter Air Flow | 7426           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Plutonium-239/240  | 0.292       | pCi/Sample | 3.93E-05      | 3.93E-17      | 2.00E-15 | 1.97E-02             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Technetium-99      | 12.3        | pCi/Sample | 1.66E-03      | 1.66E-15      | 1.40E-13 | 1.18E-02             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | <b>Uranium-234</b> | <b>1.82</b> | pCi/Sample | 2.45E-04      | 2.45E-16      | 7.70E-15 | 3.18E-02             |           |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | Uranium-235        | 0.0765      | pCi/Sample | 1.03E-05      | 1.03E-17      | 7.10E-15 | 1.45E-03             | U         |
| AMD012                               | Q3AMD0123-25     | 30-Jun-25      | <b>Uranium-238</b> | <b>2.06</b> | pCi/sample | 2.77E-04      | 2.77E-16      | 8.30E-15 | 3.34E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 9.82E-02             |           |
|                                      | Quarter Air Flow | 7432           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Neptunium-237      | 0.179       | pCi/sample | 2.41E-05      | 2.41E-17      | 1.20E-15 | 2.01E-02             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Plutonium-238      | 0.162       | pCi/Sample | 2.18E-05      | 2.18E-17      | 2.10E-15 | 1.04E-02             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Thorium-234        | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | UX        |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | <b>Uranium-234</b> | <b>1.29</b> | pCi/Sample | 1.74E-04      | 1.74E-16      | 7.70E-15 | 2.25E-02             |           |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | Uranium-235        | 0.161       | pCi/Sample | 2.17E-05      | 2.17E-17      | 7.10E-15 | 3.05E-03             | U         |
| AMD015                               | Q3AMD0153-25     | 30-Jun-25      | <b>Uranium-238</b> | <b>2.38</b> | pCi/Sample | 3.20E-04      | 3.20E-16      | 8.30E-15 | 3.86E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 9.46E-02             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                              | Client Sample ID | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|--------------------------------------|------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 2nd Quarter April through June       |                  |                |                    |             |            |               |               |          |                      |           |
|                                      | Quarter Air Flow | 7405           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Neptunium-237      | 0.305       | pCi/sample | 4.12E-05      | 4.12E-17      | 1.20E-15 | 3.43E-02             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Plutonium-239/240  | 0.0952      | pCi/Sample | 1.29E-05      | 1.29E-17      | 2.00E-15 | 6.43E-03             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | <b>Uranium-234</b> | <b>3.33</b> | pCi/Sample | 4.50E-04      | 4.50E-16      | 7.70E-15 | 5.84E-02             |           |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | Uranium-235        | 0.355       | pCi/Sample | 4.79E-05      | 4.79E-17      | 7.10E-15 | 6.75E-03             | U         |
| AMD57                                | Q3AMD573-25      | 30-Jun-25      | <b>Uranium-238</b> | <b>3.4</b>  | pCi/Sample | 4.59E-04      | 4.59E-16      | 8.30E-15 | 5.53E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.61E-01             |           |
|                                      | Quarter Air Flow | 7403           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Americium-241      | 0.322       | pCi/sample | 4.35E-05      | 4.35E-17      | 1.90E-15 | 2.29E-02             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Neptunium-237      | 0.195       | pCi/sample | 2.63E-05      | 2.63E-17      | 1.20E-15 | 2.20E-02             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Plutonium-239/240  | 0.147       | pCi/Sample | 1.99E-05      | 1.99E-17      | 2.00E-15 | 9.93E-03             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Technetium-99      | 13.6        | pCi/Sample | 1.84E-03      | 1.84E-15      | 1.40E-13 | 1.31E-02             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | <b>Uranium-234</b> | <b>1.87</b> | pCi/Sample | 2.53E-04      | 2.53E-16      | 7.70E-15 | 3.28E-02             |           |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | Uranium-235        | 0.229       | pCi/Sample | 3.09E-05      | 3.09E-17      | 7.10E-15 | 4.36E-03             | U         |
| AMD612                               | Q3AMD6123-25     | 30-Jun-25      | <b>Uranium-238</b> | <b>2.17</b> | pCi/Sample | 2.93E-04      | 2.93E-16      | 8.30E-15 | 3.53E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.40E-01             |           |
|                                      | Quarter Air Flow | 7423           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Neptunium-237      | 0.138       | pCi/sample | 1.86E-05      | 1.86E-17      | 1.20E-15 | 1.55E-02             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Plutonium-239/240  | 0.218       | pCi/Sample | 2.94E-05      | 2.94E-17      | 2.00E-15 | 1.47E-02             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Technetium-99      | 9.68        | pCi/Sample | 1.30E-03      | 1.30E-15      | 1.40E-13 | 9.31E-03             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | <b>Uranium-234</b> | <b>1.88</b> | pCi/Sample | 2.53E-04      | 2.53E-16      | 7.70E-15 | 3.29E-02             |           |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | Uranium-235        | 0.103       | pCi/Sample | 1.39E-05      | 1.39E-17      | 7.10E-15 | 1.95E-03             | U         |
| AMD746S                              | Q3AMD746S3-25    | 30-Jun-25      | <b>Uranium-238</b> | <b>2.16</b> | pCi/Sample | 2.91E-04      | 2.91E-16      | 8.30E-15 | 3.51E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.09E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID        | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|-------------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| <b>2nd Quarter April through June</b>       |                         |                |                    |             |            |               |               |          |                      |           |
|                                             | <b>Quarter Air Flow</b> | 7386           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Americium-241 *    | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Plutonium-238      | 0.121       | pCi/Sample | 1.64E-05      | 1.64E-17      | 2.10E-15 | 7.80E-03             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Plutonium-239/240  | 0.0823      | pCi/Sample | 1.11E-05      | 1.11E-17      | 2.00E-15 | 5.57E-03             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Thorium-234        | 4.12        | pCi/sample | 5.58E-04      | 5.58E-16      | 2.20E-12 | 2.54E-04             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | <b>Uranium-234</b> | <b>3.2</b>  | pCi/Sample | 4.33E-04      | 4.33E-16      | 7.70E-15 | 5.63E-02             |           |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | Uranium-235*       | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 7.10E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q3AMD746U3-25           | 30-Jun-25      | <b>Uranium-238</b> | <b>1.82</b> | pCi/Sample | 2.46E-04      | 2.46E-16      | 8.30E-15 | 2.97E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 9.96E-02             |           |
|                                             | <b>Quarter Air Flow</b> | 7409           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Americium-241      | 0.315       | pCi/sample | 4.25E-05      | 4.25E-17      | 1.90E-15 | 2.24E-02             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Plutonium-239/240  | 0.297       | pCi/Sample | 4.01E-05      | 4.01E-17      | 2.00E-15 | 2.00E-02             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | <b>Uranium-234</b> | <b>1.73</b> | pCi/Sample | 2.33E-04      | 2.33E-16      | 7.70E-15 | 3.03E-02             |           |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | Uranium-235        | 0.204       | pCi/Sample | 2.75E-05      | 2.75E-17      | 7.10E-15 | 3.88E-03             | U         |
| AMDBCP                                      | Q3AMDBCP3-25            | 30-Jun-25      | <b>Uranium-238</b> | <b>1.82</b> | pCi/Sample | 2.46E-04      | 2.46E-16      | 8.30E-15 | 2.96E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.06E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7402           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Americium-241      | 0.354       | pCi/sample | 4.78E-05      | 4.78E-17      | 1.90E-15 | 2.52E-02             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Neptunium-237      | 0.207       | pCi/sample | 2.80E-05      | 2.80E-17      | 1.20E-15 | 2.33E-02             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | <b>Uranium-234</b> | <b>1.59</b> | pCi/Sample | 2.15E-04      | 2.15E-16      | 7.70E-15 | 2.79E-02             |           |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | Uranium-235        | 0.201       | pCi/Sample | 2.72E-05      | 2.72E-17      | 7.10E-15 | 3.82E-03             | U         |
| AMDNE                                       | Q3AMDNE3-25             | 30-Jun-25      | <b>Uranium-238</b> | <b>2.26</b> | pCi/Sample | 3.05E-04      | 3.05E-16      | 8.30E-15 | 3.68E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.17E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID        | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|-------------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 3rd Quarter July through September          |                         |                |                    |             |            |               |               |          |                      |           |
|                                             | <b>Quarter Air Flow</b> | 7406           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | UT        |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Neptunium-237      | 0.0674      | pCi/sample | 9.10E-06      | 9.10E-18      | 1.20E-15 | 7.58E-03             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | <b>Uranium-234</b> | <b>2.93</b> | pCi/Sample | 3.96E-04      | 3.96E-16      | 7.70E-15 | 5.14E-02             |           |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | Uranium-235        | 0.286       | pCi/Sample | 3.86E-05      | 3.86E-17      | 7.10E-15 | 5.44E-03             | U         |
| AMD002                                      | Q4AMD0024-25            | 30-Sep-25      | <b>Uranium-238</b> | <b>2.75</b> | pCi/Sample | 3.71E-04      | 3.71E-16      | 8.30E-15 | 4.47E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.09E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7426           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | UT        |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Neptunium-237      | 0.00682     | pCi/sample | 9.18E-07      | 9.18E-19      | 1.20E-15 | 7.65E-04             | U         |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Plutonium-238      | 0.146       | pCi/Sample | 1.97E-05      | 1.97E-17      | 2.10E-15 | 9.36E-03             | U         |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Plutonium-239/240  | 0.00457     | pCi/Sample | 6.15E-07      | 6.15E-19      | 2.00E-15 | 3.08E-04             | U         |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | <b>Thorium-234</b> | <b>25.1</b> | pCi/sample | 3.38E-03      | 3.38E-15      | 2.20E-12 | 1.54E-03             |           |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | <b>Uranium-234</b> | <b>1.85</b> | pCi/Sample | 2.49E-04      | 2.49E-16      | 7.70E-15 | 3.24E-02             |           |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | Uranium-235        | 0.185       | pCi/Sample | 2.49E-05      | 2.49E-17      | 7.10E-15 | 3.51E-03             | U         |
| AMD012                                      | Q4AMD0124-25            | 30-Sep-25      | <b>Uranium-238</b> | <b>2.06</b> | pCi/Sample | 2.77E-04      | 2.77E-16      | 8.30E-15 | 3.34E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 8.13E-02             |           |
|                                             | <b>Quarter Air Flow</b> | 7420           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Americium-241      | 0.103       | pCi/sample | 1.39E-05      | 1.39E-17      | 1.90E-15 | 7.31E-03             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Neptunium-237      | 0.201       | pCi/sample | 2.71E-05      | 2.71E-17      | 1.20E-15 | 2.26E-02             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Plutonium-239/240  | 0.0987      | pCi/Sample | 1.33E-05      | 1.33E-17      | 2.00E-15 | 6.65E-03             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Technetium-99      | 8.82        | pCi/Sample | 1.19E-03      | 1.19E-15      | 1.40E-13 | 8.49E-03             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Thorium-234        | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | UX        |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | <b>Uranium-234</b> | <b>1.92</b> | pCi/Sample | 2.59E-04      | 2.59E-16      | 7.70E-15 | 3.36E-02             |           |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | Uranium-235*       | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 7.10E-15 | 0.00E+00             | U         |
| AMD015                                      | Q4AMD0154-25            | 30-Sep-25      | <b>Uranium-238</b> | <b>3.32</b> | pCi/Sample | 4.47E-04      | 4.47E-16      | 8.30E-15 | 5.39E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.33E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                              | Client Sample ID | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|--------------------------------------|------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 3rd Quarter July through September   |                  |                |                    |             |            |               |               |          |                      |           |
|                                      | Quarter Air Flow | 7403           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Americium-241      | 0.194       | pCi/sample | 2.62E-05      | 2.62E-17      | 1.90E-15 | 1.38E-02             | UT        |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Plutonium-239/240  | 0.0389      | pCi/Sample | 5.25E-06      | 5.25E-18      | 2.00E-15 | 2.63E-03             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Technetium-99      | 11.1        | pCi/Sample | 1.50E-03      | 1.50E-15      | 1.40E-13 | 1.07E-02             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Thorium-234        | 22.5        | pCi/sample | 3.04E-03      | 3.04E-15      | 2.20E-12 | 1.38E-03             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | <b>Uranium-234</b> | <b>1.74</b> | pCi/Sample | 2.35E-04      | 2.35E-16      | 7.70E-15 | 3.05E-02             |           |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | Uranium-235        | 0.281       | pCi/Sample | 3.80E-05      | 3.80E-17      | 7.10E-15 | 5.35E-03             | U         |
| AMD57                                | Q4AMD574-25      | 30-Sep-25      | <b>Uranium-238</b> | <b>3.18</b> | pCi/Sample | 4.30E-04      | 4.30E-16      | 8.30E-15 | 5.18E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.16E-01             |           |
|                                      | Quarter Air Flow | 7406           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Americium-241      | 0.166       | pCi/sample | 2.24E-05      | 2.24E-17      | 1.90E-15 | 1.18E-02             | UT        |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Technetium-99      | 3.06        | pCi/Sample | 4.13E-04      | 4.13E-16      | 1.40E-13 | 2.95E-03             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | <b>Uranium-234</b> | <b>3.59</b> | pCi/Sample | 4.85E-04      | 4.85E-16      | 7.70E-15 | 6.30E-02             |           |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | Uranium-235        | 0.0296      | pCi/Sample | 4.00E-06      | 4.00E-18      | 7.10E-15 | 5.63E-04             | U         |
| AMD612                               | Q4AMD6124-25     | 30-Sep-25      | <b>Uranium-238</b> | <b>2.23</b> | pCi/Sample | 3.01E-04      | 3.01E-16      | 8.30E-15 | 3.63E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.15E-01             |           |
|                                      | Quarter Air Flow | 7088           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | UT        |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Plutonium-238      | 0.0314      | pCi/Sample | 4.43E-06      | 4.43E-18      | 2.10E-15 | 2.11E-03             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Plutonium-239/240* | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Technetium-99      | 8.8         | pCi/Sample | 1.24E-03      | 1.24E-15      | 1.40E-13 | 8.87E-03             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Thorium-234        | 1.55        | pCi/sample | 2.19E-04      | 2.19E-16      | 2.20E-12 | 9.94E-05             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | <b>Uranium-234</b> | <b>2.55</b> | pCi/Sample | 3.60E-04      | 3.60E-16      | 7.70E-15 | 4.67E-02             |           |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | Uranium-235        | 0.195       | pCi/Sample | 2.75E-05      | 2.75E-17      | 7.10E-15 | 3.87E-03             | U         |
| AMD746S                              | Q4AMD746S4-25    | 30-Sep-25      | <b>Uranium-238</b> | <b>2.7</b>  | pCi/Sample | 3.81E-04      | 3.81E-16      | 8.30E-15 | 4.59E-02             |           |
| Sum of the Fractions of the Standard |                  |                |                    |             |            |               |               |          | 1.08E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID        | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|-------------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 3rd Quarter July through September          |                         |                |                    |             |            |               |               |          |                      |           |
|                                             | <b>Quarter Air Flow</b> | 6836           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Plutonium-238      | 0.225       | pCi/Sample | 3.29E-05      | 3.29E-17      | 2.10E-15 | 1.57E-02             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Plutonium-239/240  | 0.00441     | pCi/Sample | 6.45E-07      | 6.45E-19      | 2.00E-15 | 3.23E-04             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Technetium-99      | 8.23        | pCi/Sample | 1.20E-03      | 1.20E-15      | 1.40E-13 | 8.60E-03             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Thorium-234        | 15.6        | pCi/sample | 2.28E-03      | 2.28E-15      | 2.20E-12 | 1.04E-03             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | <b>Uranium-234</b> | <b>2.31</b> | pCi/Sample | 3.38E-04      | 3.38E-16      | 7.70E-15 | 4.39E-02             |           |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | Uranium-235        | 0.0774      | pCi/Sample | 1.13E-05      | 1.13E-17      | 7.10E-15 | 1.59E-03             | U         |
| AMD746U                                     | Q4AMD746U4-25           | 30-Sep-25      | <b>Uranium-238</b> | <b>2.17</b> | pCi/Sample | 3.17E-04      | 3.17E-16      | 8.30E-15 | 3.82E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.09E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7404           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | UT        |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Neptunium-237      | 0.0443      | pCi/sample | 5.98E-06      | 5.98E-18      | 1.20E-15 | 4.99E-03             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Plutonium-238*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Plutonium-239/240  | 0.206       | pCi/Sample | 2.78E-05      | 2.78E-17      | 2.00E-15 | 1.39E-02             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Technetium-99      | 18.3        | pCi/Sample | 2.47E-03      | 2.47E-15      | 1.40E-13 | 1.77E-02             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Thorium-234        | 13.2        | pCi/sample | 1.78E-03      | 1.78E-15      | 2.20E-12 | 8.10E-04             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | <b>Uranium-234</b> | <b>2.48</b> | pCi/Sample | 3.35E-04      | 3.35E-16      | 7.70E-15 | 4.35E-02             |           |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | Uranium-235        | 0.251       | pCi/Sample | 3.39E-05      | 3.39E-17      | 7.10E-15 | 4.77E-03             | U         |
| AMDBCP                                      | Q4AMDBCP4-25            | 30-Sep-25      | <b>Uranium-238</b> | <b>1.5</b>  | pCi/Sample | 2.03E-04      | 2.03E-16      | 8.30E-15 | 2.44E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.10E-01             |           |
|                                             | <b>Quarter Air Flow</b> | 7407           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | UT        |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Plutonium-238      | 0.0629      | pCi/Sample | 8.49E-06      | 8.49E-18      | 2.10E-15 | 4.04E-03             | U         |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Plutonium-239/240  | 0.00484     | pCi/Sample | 6.53E-07      | 6.53E-19      | 2.00E-15 | 3.27E-04             | U         |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Technetium-99*     | 0           | pCi/Sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Thorium-234        | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | UX        |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | <b>Uranium-234</b> | <b>3.25</b> | pCi/Sample | 4.39E-04      | 4.39E-16      | 7.70E-15 | 5.70E-02             |           |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | Uranium-235        | 0.0561      | pCi/Sample | 7.57E-06      | 7.57E-18      | 7.10E-15 | 1.07E-03             | U         |
| AMDNE                                       | Q4AMDNE4-25             | 30-Sep-25      | <b>Uranium-238</b> | <b>3.32</b> | pCi/Sample | 4.48E-04      | 4.48E-16      | 8.30E-15 | 5.40E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                         |                |                    |             |            |               |               |          | 1.16E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID          | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|---------------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 4th Quarter October through December        |                           |                |                    |             |            |               |               |          |                      |           |
|                                             | <b>Quarterly Air Flow</b> | 7898           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Plutonium-238      | 0.00338     | pCi/sample | 4.28E-07      | 4.28E-19      | 2.10E-15 | 2.04E-04             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Plutonium-239/240  | 0.00337     | pCi/sample | 4.27E-07      | 4.27E-19      | 2.00E-15 | 2.13E-04             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Technetium-99*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Thorium-234        | 1.25        | pCi/sample | 1.58E-04      | 1.58E-16      | 2.20E-12 | 7.19E-05             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | <b>Uranium-234</b> | <b>1.7</b>  | pCi/sample | 2.15E-04      | 2.15E-16      | 7.70E-15 | 2.80E-02             |           |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | Uranium-235        | 0.0885      | pCi/sample | 1.12E-05      | 1.12E-17      | 7.10E-15 | 1.58E-03             | U         |
| AMD002                                      | Q1AMD0021-26              | 31-Dec-25      | <b>Uranium-238</b> | <b>2.15</b> | pCi/sample | 2.72E-04      | 2.72E-16      | 8.30E-15 | 3.28E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |             |            |               |               |          | 6.28E-02             |           |
|                                             | <b>Quarterly Air Flow</b> | 7917           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Plutonium-238      | 0.255       | pCi/sample | 3.22E-05      | 3.22E-17      | 2.10E-15 | 1.53E-02             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Plutonium-239/240* | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Technetium-99*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | <b>Uranium-234</b> | <b>1.22</b> | pCi/sample | 1.54E-04      | 1.54E-16      | 7.70E-15 | 2.00E-02             |           |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | Uranium-235        | 0.229       | pCi/sample | 2.89E-05      | 2.89E-17      | 7.10E-15 | 4.07E-03             | U         |
| AMD012                                      | Q1AMD0121-26              | 31-Dec-25      | <b>Uranium-238</b> | <b>2.55</b> | pCi/sample | 3.22E-04      | 3.22E-16      | 8.30E-15 | 3.88E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |             |            |               |               |          | 7.82E-02             |           |
|                                             | <b>Quarterly Air Flow</b> | 7899           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Plutonium-238      | 0.0675      | pCi/sample | 8.55E-06      | 8.55E-18      | 2.10E-15 | 4.07E-03             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Plutonium-239/240  | 0.0411      | pCi/sample | 5.20E-06      | 5.20E-18      | 2.00E-15 | 2.60E-03             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Technetium-99      | 8.46        | pCi/sample | 1.07E-03      | 1.07E-15      | 1.40E-13 | 7.65E-03             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Thorium-234        | 13.4        | pCi/sample | 1.70E-03      | 1.70E-15      | 2.20E-12 | 7.71E-04             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | <b>Uranium-234</b> | <b>2.15</b> | pCi/sample | 2.72E-04      | 2.72E-16      | 7.70E-15 | 3.53E-02             |           |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | Uranium-235        | 0.064       | pCi/sample | 8.10E-06      | 8.10E-18      | 7.10E-15 | 1.14E-03             | U         |
| AMD015                                      | Q1AMD0151-26              | 31-Dec-25      | <b>Uranium-238</b> | <b>2.43</b> | pCi/sample | 3.08E-04      | 3.08E-16      | 8.30E-15 | 3.71E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |             |            |               |               |          | 8.86E-02             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                              | Client Sample ID   | Date Collected | Analysis           | Result      | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|--------------------------------------|--------------------|----------------|--------------------|-------------|------------|---------------|---------------|----------|----------------------|-----------|
| 4th Quarter October through December |                    |                |                    |             |            |               |               |          |                      |           |
|                                      | Quarterly Air Flow | 7896           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Americium-241      | 0.706       | pCi/sample | 8.94E-05      | 8.94E-17      | 1.90E-15 | 4.71E-02             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Plutonium-238*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Plutonium-239/240* | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Technetium-99      | 34          | pCi/sample | 4.31E-03      | 4.31E-15      | 1.40E-13 | 3.08E-02             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Thorium-234        | 16.6        | pCi/sample | 2.10E-03      | 2.10E-15      | 2.20E-12 | 9.56E-04             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | <b>Uranium-234</b> | <b>2.78</b> | pCi/sample | 3.52E-04      | 3.52E-16      | 7.70E-15 | 4.57E-02             |           |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | Uranium-235        | 0.0972      | pCi/sample | 1.23E-05      | 1.23E-17      | 7.10E-15 | 1.73E-03             | U         |
| AMD57                                | Q1AMD571-26        | 31-Dec-25      | <b>Uranium-238</b> | <b>2.03</b> | pCi/sample | 2.57E-04      | 2.57E-16      | 8.30E-15 | 3.10E-02             |           |
| Sum of the Fractions of the Standard |                    |                |                    |             |            |               |               |          | 1.57E-01             |           |
|                                      | Quarterly Air Flow | 7920           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Neptunium-237      | 0.258       | pCi/sample | 3.26E-05      | 3.26E-17      | 1.20E-15 | 2.71E-02             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Plutonium-238*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Plutonium-239/240  | 0.0465      | pCi/sample | 5.87E-06      | 5.87E-18      | 2.00E-15 | 2.94E-03             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Technetium-99      | 5.92        | pCi/sample | 7.47E-04      | 7.47E-16      | 1.40E-13 | 5.34E-03             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Thorium-234*       | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | <b>Uranium-234</b> | <b>2.63</b> | pCi/sample | 3.32E-04      | 3.32E-16      | 7.70E-15 | 4.31E-02             |           |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | Uranium-235        | 0.0735      | pCi/sample | 9.28E-06      | 9.28E-18      | 7.10E-15 | 1.31E-03             | U         |
| AMD612                               | Q1AMD6121-26       | 31-Dec-25      | <b>Uranium-238</b> | <b>2.32</b> | pCi/sample | 2.93E-04      | 2.93E-16      | 8.30E-15 | 3.53E-02             |           |
| Sum of the Fractions of the Standard |                    |                |                    |             |            |               |               |          | 1.15E-01             |           |
|                                      | Quarter Air Flow   | 7921           | m3                 |             |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Americium-241*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Neptunium-237*     | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Plutonium-238      | 0.181       | pCi/sample | 2.29E-05      | 2.29E-17      | 2.10E-15 | 1.09E-02             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Plutonium-239/240  | 0           | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Technetium-99      | 11.7        | pCi/sample | 1.48E-03      | 1.48E-15      | 1.40E-13 | 1.06E-02             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Thorium-234        | 15.2        | pCi/sample | 1.92E-03      | 1.92E-15      | 2.20E-12 | 8.72E-04             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | <b>Uranium-234</b> | <b>1.88</b> | pCi/sample | 2.37E-04      | 2.37E-16      | 7.70E-15 | 3.08E-02             |           |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | Uranium-235        | 0.147       | pCi/sample | 1.86E-05      | 1.86E-17      | 7.10E-15 | 2.61E-03             | U         |
| AMD746S                              | Q1AMD746S1-26      | 31-Dec-25      | <b>Uranium-238</b> | <b>2.21</b> | pCi/sample | 2.79E-04      | 2.79E-16      | 8.30E-15 | 3.36E-02             |           |
| Sum of the Fractions of the Standard |                    |                |                    |             |            |               |               |          | 8.94E-02             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.1. Sum of the Fractions Standard (Continued)

| Station                                     | Client Sample ID          | Date Collected | Analysis           | Result       | Units      | Concentration | Concentration | Standard | Fraction of Standard | Qualifier |
|---------------------------------------------|---------------------------|----------------|--------------------|--------------|------------|---------------|---------------|----------|----------------------|-----------|
| 4th Quarter October through December        |                           |                |                    |              |            |               |               |          |                      |           |
|                                             | <b>Quarterly Air Flow</b> | 7901           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Americium-241      | 0.443        | pCi/sample | 5.61E-05      | 5.61E-17      | 1.90E-15 | 2.95E-02             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Neptunium-237      | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.20E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Plutonium-238*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Plutonium-239/240  | 0.0839       | pCi/sample | 1.06E-05      | 1.06E-17      | 2.00E-15 | 5.31E-03             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Technetium-99      | 7.29         | pCi/sample | 9.23E-04      | 9.23E-16      | 1.40E-13 | 6.59E-03             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Thorium-234*       | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | <b>Uranium-234</b> | <b>2.31</b>  | pCi/sample | 2.92E-04      | 2.92E-16      | 7.70E-15 | 3.80E-02             |           |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | Uranium-235        | 0.364        | pCi/sample | 4.61E-05      | 4.61E-17      | 7.10E-15 | 6.49E-03             | U         |
| AMD746U                                     | Q1AMD746U1-26             | 31-Dec-25      | <b>Uranium-238</b> | <b>3.44</b>  | pCi/sample | 4.35E-04      | 4.35E-16      | 8.30E-15 | 5.25E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |              |            |               |               |          | 1.38E-01             |           |
|                                             | <b>Quarterly Air Flow</b> | 7899           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Americium-241*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Neptunium-237      | 0.122        | pCi/sample | 1.54E-05      | 1.54E-17      | 1.20E-15 | 1.29E-02             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Plutonium-238      | 0.0697       | pCi/sample | 8.82E-06      | 8.82E-18      | 2.10E-15 | 4.20E-03             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Plutonium-239/240  | 0.231        | pCi/sample | 2.92E-05      | 2.92E-17      | 2.00E-15 | 1.46E-02             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Technetium-99      | 22.7         | pCi/sample | 2.87E-03      | 2.87E-15      | 1.40E-13 | 2.05E-02             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Thorium-234        | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.20E-12 | 0.00E+00             | UX        |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | <b>Uranium-234</b> | <b>2.17</b>  | pCi/sample | 2.75E-04      | 2.75E-16      | 7.70E-15 | 3.57E-02             |           |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | Uranium-235        | 0.245        | pCi/sample | 3.10E-05      | 3.10E-17      | 7.10E-15 | 4.37E-03             | U         |
| AMDBCP                                      | Q1AMDBCP1-26              | 31-Dec-25      | <b>Uranium-238</b> | <b>1.55</b>  | pCi/sample | 1.96E-04      | 1.96E-16      | 8.30E-15 | 2.36E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |              |            |               |               |          | 1.16E-01             |           |
|                                             | <b>Quarterly Air Flow</b> | 7922           | m3                 |              |            | pCi/m3        | Ci/m3         | Ci/m3    | fraction             |           |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Americium-241*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.90E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Neptunium-237      | 0.181        | pCi/sample | 2.28E-05      | 2.28E-17      | 1.20E-15 | 1.90E-02             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Plutonium-238*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.10E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Plutonium-239/240* | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 2.00E-15 | 0.00E+00             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Technetium-99*     | 0            | pCi/sample | 0.00E+00      | 0.00E+00      | 1.40E-13 | 0.00E+00             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | Thorium-234        | 9.03         | pCi/sample | 1.14E-03      | 1.14E-15      | 2.20E-12 | 5.18E-04             | U         |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | <b>Uranium-234</b> | <b>2.25</b>  | pCi/sample | 2.84E-04      | 2.84E-16      | 7.70E-15 | 3.69E-02             |           |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | <b>Uranium-235</b> | <b>0.535</b> | pCi/sample | 6.75E-05      | 6.75E-17      | 7.10E-15 | 9.51E-03             |           |
| AMDNE                                       | Q1AMDNE1-26               | 31-Dec-25      | <b>Uranium-238</b> | <b>2.99</b>  | pCi/sample | 3.77E-04      | 3.77E-16      | 8.30E-15 | 4.55E-02             |           |
| <b>Sum of the Fractions of the Standard</b> |                           |                |                    |              |            |               |               |          | 1.11E-01             |           |

\* = Negative result replaced with a zero for calculation

**Bold** = Detection above MDC

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data**

| STA_NAME | D COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD002   | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0323 | pCi/sample | U        | 1.13         | 0.486   | 0.486 |
| AMD002   | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | 0.01    | pCi/sample | U        | 1.66         | 0.745   | 0.745 |
| AMD002   | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0599 | pCi/sample | U        | 0.691        | 0.265   | 0.265 |
| AMD002   | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.284   | pCi/sample | U        | 0.761        | 0.502   | 0.504 |
| AMD002   | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 9.41    | pCi/sample | U        | 70.9         | 41.3    | 41.3  |
| AMD002   | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 13.9    | pCi/sample | U        | 26.6         | 30      | 30.9  |
| AMD002   | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.6     | pCi/sample |          | 1.22         | 1.29    | 1.35  |
| AMD002   | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | -0.0403 | pCi/sample | U        | 0.805        | 0.347   | 0.348 |
| AMD002   | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.27    | pCi/sample |          | 1.05         | 0.939   | 0.957 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD012   | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.261  | pCi/sample | U        | 1.34         | 0.421   | 0.422 |
| AMD012   | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | 0.489   | pCi/sample | U        | 2.9          | 1.53    | 1.53  |
| AMD012   | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.212   | pCi/sample | U        | 0.578        | 0.417   | 0.418 |
| AMD012   | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0915  | pCi/sample | U        | 0.577        | 0.343   | 0.343 |
| AMD012   | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 33.7    | pCi/sample | U        | 55.4         | 33.1    | 33.3  |
| AMD012   | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | -20.6   | pCi/sample | U        | 34.9         | 26.7    | 28.6  |
| AMD012   | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.32    | pCi/sample |          | 0.983        | 0.943   | 0.966 |
| AMD012   | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0886  | pCi/sample | U        | 0.944        | 0.493   | 0.493 |
| AMD012   | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.05    | pCi/sample | U        | 1.2          | 0.922   | 0.934 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD015   | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.26   | pCi/sample | U        | 1.78         | 0.602   | 0.603 |
| AMD015   | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | -0.515  | pCi/sample | U        | 2.17         | 0.648   | 0.649 |
| AMD015   | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0342  | pCi/sample | U        | 0.746        | 0.358   | 0.358 |
| AMD015   | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0342  | pCi/sample | U        | 0.745        | 0.357   | 0.358 |
| AMD015   | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 8.55    | pCi/sample | U        | 69.1         | 40.2    | 40.2  |
| AMD015   | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 13.5    | pCi/sample | U        | 17.8         | 13.5    | 15.1  |
| AMD015   | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.12    | pCi/sample |          | 1.45         | 1.34    | 1.39  |
| AMD015   | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.317   | pCi/sample | U        | 1.16         | 0.729   | 0.731 |
| AMD015   | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.91    | pCi/sample |          | 1.03         | 1.2     | 1.24  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD57    | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.276  | pCi/sample | U        | 1.42         | 0.445   | 0.446 |
| AMD57    | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | -0.55   | pCi/sample | U        | 2.13         | 0.626   | 0.627 |
| AMD57    | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.15    | pCi/sample | U        | 0.718        | 0.414   | 0.415 |
| AMD57    | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.0846 | pCi/sample | U        | 0.718        | 0.255   | 0.256 |
| AMD57    | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 65.7    | pCi/sample | U        | 71.3         | 43.4    | 43.9  |
| AMD57    | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | -0.567  | pCi/sample | U        | 35           | 25.9    | 25.9  |
| AMD57    | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.46    | pCi/sample |          | 1.08         | 0.975   | 1     |
| AMD57    | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | -0.0752 | pCi/sample | U        | 0.867        | 0.332   | 0.333 |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD57    | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.67    | pCi/sample |          | 0.835        | 1.2     | 1.26  |
| AMD612   | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | 0.138   | pCi/sample | U        | 0.87         | 0.517   | 0.518 |
| AMD612   | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | 0.169   | pCi/sample | U        | 1.48         | 0.758   | 0.758 |
| AMD612   | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.206  | pCi/sample | U        | 1.01         | 0.357   | 0.357 |
| AMD612   | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.198   | pCi/sample | U        | 0.77         | 0.448   | 0.449 |
| AMD612   | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 17.6    | pCi/sample | U        | 68.2         | 40      | 40    |
| AMD612   | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 5.57    | pCi/sample | U        | 17.3         | 9.49    | 9.91  |
| AMD612   | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.86    | pCi/sample |          | 1.22         | 1.08    | 1.11  |
| AMD612   | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.186   | pCi/sample | U        | 0.89         | 0.513   | 0.514 |
| AMD612   | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 0.886   | pCi/sample |          | 0.653        | 0.7     | 0.711 |
| AMD746S  | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.122  | pCi/sample | U        | 1.04         | 0.368   | 0.369 |
| AMD746S  | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | 0.897   | pCi/sample | U        | 2.65         | 1.59    | 1.59  |
| AMD746S  | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0924 | pCi/sample | U        | 0.784        | 0.279   | 0.28  |
| AMD746S  | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.328   | pCi/sample | U        | 0.949        | 0.584   | 0.586 |
| AMD746S  | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 35.2    | pCi/sample | U        | 61.5         | 36.7    | 36.9  |
| AMD746S  | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | -4.47   | pCi/sample | U        | 26.5         | 26.1    | 26.2  |
| AMD746S  | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 0.653   | pCi/sample | U        | 1.47         | 0.895   | 0.901 |
| AMD746S  | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.262   | pCi/sample | U        | 0.713        | 0.515   | 0.516 |
| AMD746S  | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.39    | pCi/sample |          | 0.89         | 0.895   | 0.916 |
| AMD746U  | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | 0.829   | pCi/sample | U        | 1.02         | 0.893   | 0.902 |
| AMD746U  | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | -0.445  | pCi/sample | U        | 2.05         | 0.628   | 0.629 |
| AMD746U  | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.418   | pCi/sample | U        | 0.533        | 0.493   | 0.496 |
| AMD746U  | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.142   | pCi/sample | U        | 0.678        | 0.391   | 0.392 |
| AMD746U  | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 3.56    | pCi/sample | U        | 70.3         | 40.7    | 40.7  |
| AMD746U  | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 2.02    | pCi/sample | U        | 21.8         | 30      | 30    |
| AMD746U  | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.3     | pCi/sample |          | 1.11         | 1.2     | 1.25  |
| AMD746U  | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.384   | pCi/sample | U        | 1.03         | 0.678   | 0.681 |
| AMD746U  | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.43    | pCi/sample |          | 0.754        | 0.931   | 0.954 |
| AMDBCP   | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | -0.18   | pCi/sample | U        | 1.23         | 0.416   | 0.417 |
| AMDBCP   | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | 0.897   | pCi/sample | U        | 1.67         | 1.23    | 1.23  |
| AMDBCP   | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0341  | pCi/sample | U        | 0.744        | 0.356   | 0.357 |
| AMDBCP   | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0973  | pCi/sample | U        | 0.853        | 0.436   | 0.436 |
| AMDBCP   | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | -2.85   | pCi/sample | U        | 74.3         | 42.8    | 42.8  |
| AMDBCP   | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 22.3    | pCi/sample | U        | 45.7         | 48      | 49.3  |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMDBCP   | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.45    | pCi/sample |          | 1.41         | 1.06    | 1.08  |
| AMDBCP   | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0416  | pCi/sample | U        | 0.907        | 0.435   | 0.435 |
| AMDBCP   | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.62    | pCi/sample |          | 0.665        | 0.917   | 0.944 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMDNE    | 31-Mar-25   | Americium-241     | HASL 300, Am-05-RC M | 0.126   | pCi/sample | U        | 0.796        | 0.473   | 0.474 |
| AMDNE    | 31-Mar-25   | Neptunium-237     | ASTM-1475-00M        | -0.293  | pCi/sample | U        | 2.01         | 0.678   | 0.679 |
| AMDNE    | 31-Mar-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0829 | pCi/sample | U        | 0.703        | 0.25    | 0.251 |
| AMDNE    | 31-Mar-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.0276 | pCi/sample | U        | 0.551        | 0.238   | 0.239 |
| AMDNE    | 31-Mar-25   | Technetium-99     | HASL 300, Tc-02-RC M | 10.6    | pCi/sample | U        | 74.1         | 43.1    | 43.1  |
| AMDNE    | 31-Mar-25   | Thorium-234       | HASL 300, 4.5.2.3    | 18.1    | pCi/sample | U        | 19.2         | 27.4    | 27.7  |
| AMDNE    | 31-Mar-25   | Uranium-234       | HASL 300, U-02-RC M  | 0.958   | pCi/sample | U        | 1.27         | 0.904   | 0.918 |
| AMDNE    | 31-Mar-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.122   | pCi/sample | U        | 0.768        | 0.456   | 0.457 |
| AMDNE    | 31-Mar-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.4     | pCi/sample |          | 0.908        | 0.928   | 0.949 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD002   | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | 0.155   | pCi/sample | U        | 0.985        | 0.531   | 0.532 |
| AMD002   | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | -0.328  | pCi/sample | U        | 1.51         | 0.463   | 0.463 |
| AMD002   | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.21   | pCi/sample | U        | 0.967        | 0.296   | 0.296 |
| AMD002   | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.0848 | pCi/sample | U        | 0.966        | 0.383   | 0.384 |
| AMD002   | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | 21.1    | pCi/sample | U        | 72.2         | 42.5    | 42.6  |
| AMD002   | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -35.7   | pCi/sample | U        | 28.1         | 26.4    | 32.1  |
| AMD002   | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.77    | pCi/sample |          | 0.941        | 0.975   | 1.01  |
| AMD002   | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.106   | pCi/sample | U        | 0.67         | 0.399   | 0.399 |
| AMD002   | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.56    | pCi/sample |          | 0.793        | 0.896   | 0.921 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD012   | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0312 | pCi/sample | U        | 1.09         | 0.468   | 0.469 |
| AMD012   | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | -0.0558 | pCi/sample | U        | 1.96         | 0.838   | 0.839 |
| AMD012   | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.155  | pCi/sample | U        | 1.11         | 0.44    | 0.44  |
| AMD012   | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.292   | pCi/sample | U        | 0.844        | 0.52    | 0.521 |
| AMD012   | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | 12.3    | pCi/sample | U        | 87.4         | 51.1    | 51.2  |
| AMD012   | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -4.22   | pCi/sample | U        | 27.1         | 26.4    | 26.5  |
| AMD012   | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.82    | pCi/sample |          | 1.05         | 1.03    | 1.06  |
| AMD012   | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0765  | pCi/sample | U        | 0.814        | 0.425   | 0.425 |
| AMD012   | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.06    | pCi/sample |          | 0.727        | 1.02    | 1.06  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD015   | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | -0.127  | pCi/sample | U        | 1.08         | 0.383   | 0.384 |
| AMD015   | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | 0.179   | pCi/sample | U        | 1.93         | 0.96    | 0.961 |
| AMD015   | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.162   | pCi/sample | U        | 0.775        | 0.447   | 0.447 |
| AMD015   | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.0557 | pCi/sample | U        | 0.937        | 0.385   | 0.385 |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD015   | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | -13.3   | pCi/sample | U        | 85.5         | 49.4    | 49.4  |
| AMD015   | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | 0       | pCi/sample | UX       | 15.9         | 18.4    | 19.2  |
| AMD015   | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.29    | pCi/sample |          | 1.21         | 0.974   | 0.995 |
| AMD015   | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.161   | pCi/sample | U        | 0.483        | 0.452   | 0.453 |
| AMD015   | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.38    | pCi/sample |          | 1.01         | 1.18    | 1.23  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD57    | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | -0.161  | pCi/sample | U        | 1.37         | 0.487   | 0.488 |
| AMD57    | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | 0.305   | pCi/sample | U        | 7.59         | 3.6     | 3.6   |
| AMD57    | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.2    | pCi/sample | U        | 0.923        | 0.282   | 0.283 |
| AMD57    | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0952  | pCi/sample | U        | 0.834        | 0.427   | 0.427 |
| AMD57    | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | -6.25   | pCi/sample | U        | 77.8         | 45.1    | 45.1  |
| AMD57    | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -6.41   | pCi/sample | U        | 34.7         | 35.2    | 35.4  |
| AMD57    | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 3.33    | pCi/sample |          | 1.6          | 1.71    | 1.81  |
| AMD57    | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.355   | pCi/sample | U        | 1.29         | 0.814   | 0.816 |
| AMD57    | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 3.4     | pCi/sample |          | 1.24         | 1.67    | 1.76  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD612   | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | 0.322   | pCi/sample | U        | 0.864        | 0.57    | 0.572 |
| AMD612   | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | 0.195   | pCi/sample | U        | 2.82         | 1.37    | 1.37  |
| AMD612   | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0275 | pCi/sample | U        | 0.55         | 0.238   | 0.238 |
| AMD612   | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.147   | pCi/sample | U        | 0.7          | 0.404   | 0.404 |
| AMD612   | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | 13.6    | pCi/sample | U        | 67.1         | 39.4    | 39.4  |
| AMD612   | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -41.8   | pCi/sample | U        | 58           | 45.6    | 50.2  |
| AMD612   | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.87    | pCi/sample |          | 1.2          | 1.09    | 1.12  |
| AMD612   | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.229   | pCi/sample | U        | 0.834        | 0.526   | 0.527 |
| AMD612   | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.17    | pCi/sample |          | 0.855        | 1.08    | 1.12  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD746S  | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0275 | pCi/sample | U        | 0.963        | 0.412   | 0.412 |
| AMD746S  | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | 0.138   | pCi/sample | U        | 1.83         | 0.893   | 0.894 |
| AMD746S  | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.067  | pCi/sample | U        | 0.773        | 0.296   | 0.297 |
| AMD746S  | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.218   | pCi/sample | U        | 1.03         | 0.574   | 0.574 |
| AMD746S  | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | 9.68    | pCi/sample | U        | 90.6         | 52.9    | 52.9  |
| AMD746S  | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -9.59   | pCi/sample | U        | 27           | 26.4    | 26.9  |
| AMD746S  | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.88    | pCi/sample |          | 0.839        | 0.964   | 1     |
| AMD746S  | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.103   | pCi/sample | U        | 0.648        | 0.385   | 0.386 |
| AMD746S  | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.16    | pCi/sample |          | 0.524        | 0.984   | 1.03  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD746U  | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0933 | pCi/sample | U        | 1.06         | 0.422   | 0.422 |
| AMD746U  | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | -0.157  | pCi/sample | U        | 2.2          | 0.925   | 0.925 |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD746U  | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.121   | pCi/sample | U        | 1.03         | 0.562   | 0.562 |
| AMD746U  | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0823  | pCi/sample | U        | 1.13         | 0.566   | 0.567 |
| AMD746U  | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | -46.8   | pCi/sample | U        | 85.2         | 48.3    | 48.3  |
| AMD746U  | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | 4.12    | pCi/sample | U        | 19.5         | 35.7    | 35.7  |
| AMD746U  | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 3.2     | pCi/sample |          | 1.17         | 1.44    | 1.52  |
| AMD746U  | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | -0.0432 | pCi/sample | U        | 0.863        | 0.373   | 0.374 |
| AMD746U  | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.82    | pCi/sample |          | 0.806        | 1.07    | 1.11  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMDBCP   | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | 0.315   | pCi/sample | U        | 0.692        | 0.5     | 0.502 |
| AMDBCP   | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | -0.0505 | pCi/sample | U        | 1.77         | 0.759   | 0.759 |
| AMDBCP   | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.198  | pCi/sample | U        | 1.16         | 0.375   | 0.376 |
| AMDBCP   | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.297   | pCi/sample | U        | 1.16         | 0.674   | 0.675 |
| AMDBCP   | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | -36.2   | pCi/sample | U        | 97.8         | 56      | 56    |
| AMDBCP   | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -5.81   | pCi/sample | U        | 16.2         | 9.33    | 9.78  |
| AMDBCP   | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.73    | pCi/sample |          | 0.998        | 0.964   | 0.997 |
| AMDBCP   | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.204   | pCi/sample | U        | 0.744        | 0.469   | 0.47  |
| AMDBCP   | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.82    | pCi/sample |          | 0.762        | 0.936   | 0.968 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMDNE    | 30-Jun-25   | Americium-241     | HASL 300, Am-05-RC M | 0.354   | pCi/sample | U        | 0.778        | 0.562   | 0.565 |
| AMDNE    | 30-Jun-25   | Neptunium-237     | ASTM-1475-00M        | 0.207   | pCi/sample | U        | 1.81         | 0.927   | 0.927 |
| AMDNE    | 30-Jun-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.113  | pCi/sample | U        | 0.962        | 0.342   | 0.343 |
| AMDNE    | 30-Jun-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.264  | pCi/sample | U        | 1.22         | 0.373   | 0.373 |
| AMDNE    | 30-Jun-25   | Technetium-99     | HASL 300, Tc-02-RC M | -5.17   | pCi/sample | U        | 63.3         | 36.7    | 36.7  |
| AMDNE    | 30-Jun-25   | Thorium-234       | HASL 300, 4.5.2.3    | -43.3   | pCi/sample | U        | 26.9         | 26      | 34.1  |
| AMDNE    | 30-Jun-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.59    | pCi/sample |          | 1.08         | 1.01    | 1.04  |
| AMDNE    | 30-Jun-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.201   | pCi/sample | U        | 0.958        | 0.552   | 0.553 |
| AMDNE    | 30-Jun-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.26    | pCi/sample |          | 0.889        | 1.12    | 1.17  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD002   | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.28   | pCi/sample | UT       | 1.92         | 0.648   | 0.651 |
| AMD002   | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | 0.0674  | pCi/sample | U        | 1.47         | 0.705   | 0.705 |
| AMD002   | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0698 | pCi/sample | U        | 0.479        | 0.162   | 0.162 |
| AMD002   | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.105  | pCi/sample | U        | 0.537        | 0.169   | 0.169 |
| AMD002   | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | -3.67   | pCi/sample | U        | 41.1         | 22.9    | 22.9  |
| AMD002   | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | -12.3   | pCi/sample | U        | 29           | 30.5    | 31.1  |
| AMD002   | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.93    | pCi/sample |          | 0.759        | 1.03    | 1.09  |
| AMD002   | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.286   | pCi/sample | U        | 0.496        | 0.412   | 0.413 |
| AMD002   | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.75    | pCi/sample |          | 0.702        | 0.993   | 1.05  |
|          |             |                   |                      |         |            |          |              |         |       |

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X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD012   | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.102  | pCi/sample | UT       | 1.72         | 0.707   | 0.708 |
| AMD012   | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | 0.00682 | pCi/sample | U        | 1.12         | 0.505   | 0.506 |
| AMD012   | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.146   | pCi/sample | U        | 0.698        | 0.403   | 0.403 |
| AMD012   | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.00457 | pCi/sample | U        | 0.753        | 0.339   | 0.339 |
| AMD012   | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | -6.19   | pCi/sample | U        | 33.7         | 18.6    | 18.6  |
| AMD012   | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 25.1    | pCi/sample |          | 18.2         | 38.1    | 38.6  |
| AMD012   | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.85    | pCi/sample |          | 0.787        | 0.857   | 0.891 |
| AMD012   | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.185   | pCi/sample | U        | 0.504        | 0.364   | 0.364 |
| AMD012   | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.06    | pCi/sample |          | 0.519        | 0.853   | 0.89  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD015   | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | 0.103   | pCi/sample | U        | 1.1          | 0.575   | 0.576 |
| AMD015   | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | 0.201   | pCi/sample | U        | 1.18         | 0.629   | 0.629 |
| AMD015   | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.155  | pCi/sample | U        | 1.63         | 0.669   | 0.67  |
| AMD015   | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0987  | pCi/sample | U        | 1.3          | 0.637   | 0.638 |
| AMD015   | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 8.82    | pCi/sample | U        | 37.3         | 21.6    | 21.6  |
| AMD015   | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 0       | pCi/sample | UX       | 21.2         | 41.8    | 42.3  |
| AMD015   | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.92    | pCi/sample |          | 0.844        | 0.923   | 0.959 |
| AMD015   | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | -0.0566 | pCi/sample | U        | 0.653        | 0.25    | 0.251 |
| AMD015   | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 3.32    | pCi/sample |          | 0.669        | 1.14    | 1.22  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD57    | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | 0.194   | pCi/sample | UT       | 1.22         | 0.727   | 0.729 |
| AMD57    | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | -0.0212 | pCi/sample | U        | 1.67         | 0.758   | 0.758 |
| AMD57    | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.175  | pCi/sample | U        | 0.899        | 0.282   | 0.283 |
| AMD57    | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0389  | pCi/sample | U        | 0.941        | 0.443   | 0.443 |
| AMD57    | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 11.1    | pCi/sample | U        | 34.1         | 19.9    | 19.9  |
| AMD57    | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 22.5    | pCi/sample | U        | 59.4         | 53.5    | 54.6  |
| AMD57    | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.74    | pCi/sample |          | 0.879        | 0.876   | 0.905 |
| AMD57    | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.281   | pCi/sample | U        | 0.617        | 0.446   | 0.447 |
| AMD57    | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 3.18    | pCi/sample |          | 0.551        | 1.08    | 1.15  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD612   | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | 0.166   | pCi/sample | UT       | 2.2          | 1.07    | 1.08  |
| AMD612   | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | -0.189  | pCi/sample | U        | 1.36         | 0.512   | 0.512 |
| AMD612   | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0815 | pCi/sample | U        | 0.928        | 0.368   | 0.369 |
| AMD612   | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.225  | pCi/sample | U        | 1.1          | 0.389   | 0.389 |
| AMD612   | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 3.06    | pCi/sample | U        | 36.7         | 20.9    | 20.9  |
| AMD612   | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | -16.4   | pCi/sample | U        | 26.4         | 29.8    | 30.9  |
| AMD612   | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 3.59    | pCi/sample |          | 0.771        | 1.14    | 1.23  |
| AMD612   | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0296  | pCi/sample | U        | 0.646        | 0.309   | 0.31  |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD612   | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.23    | pCi/sample |          | 0.563        | 0.891   | 0.931 |
| AMD746S  | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.247  | pCi/sample | UT       | 2.81         | 1.12    | 1.12  |
| AMD746S  | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | -0.592  | pCi/sample | U        | 1.71         | 0.471   | 0.472 |
| AMD746S  | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0314  | pCi/sample | U        | 0.686        | 0.329   | 0.329 |
| AMD746S  | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.0718 | pCi/sample | U        | 1            | 0.423   | 0.423 |
| AMD746S  | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 8.8     | pCi/sample | U        | 48.6         | 27.9    | 27.9  |
| AMD746S  | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 1.55    | pCi/sample | U        | 18.7         | 37.8    | 37.8  |
| AMD746S  | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.55    | pCi/sample |          | 0.874        | 1.01    | 1.06  |
| AMD746S  | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.195   | pCi/sample | U        | 0.76         | 0.443   | 0.443 |
| AMD746S  | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.7     | pCi/sample |          | 0.42         | 0.973   | 1.03  |
| AMD746U  | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0356 | pCi/sample | U        | 1.25         | 0.534   | 0.535 |
| AMD746U  | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | -0.572  | pCi/sample | U        | 1.83         | 0.515   | 0.516 |
| AMD746U  | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.225   | pCi/sample | U        | 0.726        | 0.447   | 0.449 |
| AMD746U  | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.00441 | pCi/sample | U        | 0.726        | 0.327   | 0.327 |
| AMD746U  | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 8.23    | pCi/sample | U        | 38.5         | 22.2    | 22.2  |
| AMD746U  | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 15.6    | pCi/sample | U        | 20.7         | 42.6    | 42.7  |
| AMD746U  | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.31    | pCi/sample |          | 0.899        | 0.954   | 0.998 |
| AMD746U  | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0774  | pCi/sample | U        | 0.488        | 0.29    | 0.291 |
| AMD746U  | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.17    | pCi/sample |          | 0.503        | 0.858   | 0.897 |
| AMDBCP   | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.317  | pCi/sample | UT       | 1.85         | 0.6     | 0.602 |
| AMDBCP   | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | 0.0443  | pCi/sample | U        | 1.07         | 0.505   | 0.505 |
| AMDBCP   | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0449 | pCi/sample | U        | 0.974        | 0.419   | 0.42  |
| AMDBCP   | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.206   | pCi/sample | U        | 0.94         | 0.519   | 0.52  |
| AMDBCP   | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | 18.3    | pCi/sample | U        | 39.6         | 23.4    | 23.5  |
| AMDBCP   | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 13.2    | pCi/sample | U        | 26.3         | 36.2    | 36.9  |
| AMDBCP   | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.48    | pCi/sample |          | 0.901        | 1.01    | 1.06  |
| AMDBCP   | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.251   | pCi/sample | U        | 0.671        | 0.443   | 0.444 |
| AMDBCP   | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.5     | pCi/sample |          | 0.745        | 0.79    | 0.812 |
| AMDNE    | 30-Sep-25   | Americium-241     | HASL 300, Am-05-RC M | -0.618  | pCi/sample | UT       | 2.6          | 0.777   | 0.78  |
| AMDNE    | 30-Sep-25   | Neptunium-237     | ASTM-1475-00M        | -0.0797 | pCi/sample | U        | 2.15         | 0.957   | 0.957 |
| AMDNE    | 30-Sep-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0629  | pCi/sample | U        | 0.67         | 0.35    | 0.35  |
| AMDNE    | 30-Sep-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.00484 | pCi/sample | U        | 0.797        | 0.358   | 0.359 |
| AMDNE    | 30-Sep-25   | Technetium-99     | HASL 300, Tc-02-RC M | -0.218  | pCi/sample | U        | 44.6         | 25.1    | 25.1  |
| AMDNE    | 30-Sep-25   | Thorium-234       | HASL 300, 4.5.2.3    | 0       | pCi/sample | UX       | 18.9         | 34.1    | 34.4  |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMDNE    | 30-Sep-25   | Uranium-234       | HASL 300, U-02-RC M  | 3.25    | pCi/sample |          | 0.644        | 1.08    | 1.16  |
| AMDNE    | 30-Sep-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0561  | pCi/sample | U        | 0.597        | 0.311   | 0.312 |
| AMDNE    | 30-Sep-25   | Uranium-238       | HASL 300, U-02-RC M  | 3.32    | pCi/sample |          | 0.575        | 1.09    | 1.16  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD002   | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.464  | pCi/sample | U        | 3.19         | 1.08    | 1.08  |
| AMD002   | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.48   | pCi/sample | U        | 2.98         | 1.09    | 1.09  |
| AMD002   | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.00338 | pCi/sample | U        | 0.556        | 0.25    | 0.251 |
| AMD002   | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.00337 | pCi/sample | U        | 0.556        | 0.25    | 0.25  |
| AMD002   | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | -7.42   | pCi/sample | U        | 74.1         | 41.9    | 41.9  |
| AMD002   | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 1.25    | pCi/sample | U        | 24.8         | 58.2    | 58.2  |
| AMD002   | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.7     | pCi/sample |          | 0.587        | 0.664   | 0.697 |
| AMD002   | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0885  | pCi/sample | U        | 0.422        | 0.243   | 0.244 |
| AMD002   | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.15    | pCi/sample |          | 0.31         | 0.695   | 0.74  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD012   | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.407  | pCi/sample | U        | 2.79         | 0.943   | 0.945 |
| AMD012   | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.0792 | pCi/sample | U        | 1.72         | 0.739   | 0.74  |
| AMD012   | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.255   | pCi/sample | U        | 0.552        | 0.378   | 0.38  |
| AMD012   | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.117  | pCi/sample | U        | 0.727        | 0.266   | 0.267 |
| AMD012   | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | -2.23   | pCi/sample | U        | 72.1         | 41      | 41    |
| AMD012   | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | -27.9   | pCi/sample | U        | 24.9         | 29.3    | 32.6  |
| AMD012   | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.22    | pCi/sample |          | 0.696        | 0.645   | 0.666 |
| AMD012   | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.229   | pCi/sample | U        | 0.573        | 0.37    | 0.371 |
| AMD012   | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.55    | pCi/sample |          | 0.489        | 0.834   | 0.893 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD015   | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.102  | pCi/sample | U        | 0.702        | 0.237   | 0.237 |
| AMD015   | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.0512 | pCi/sample | U        | 0.86         | 0.353   | 0.354 |
| AMD015   | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0675  | pCi/sample | U        | 0.763        | 0.382   | 0.382 |
| AMD015   | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0411  | pCi/sample | U        | 0.543        | 0.265   | 0.265 |
| AMD015   | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 8.46    | pCi/sample | U        | 81.8         | 47.1    | 47.1  |
| AMD015   | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 13.4    | pCi/sample | U        | 18.4         | 15      | 15.3  |
| AMD015   | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.15    | pCi/sample |          | 0.639        | 0.789   | 0.836 |
| AMD015   | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.064   | pCi/sample | U        | 0.561        | 0.287   | 0.287 |
| AMD015   | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.43    | pCi/sample |          | 0.562        | 0.819   | 0.873 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD57    | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | 0.706   | pCi/sample | U        | 3.56         | 1.92    | 1.92  |
| AMD57    | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.195  | pCi/sample | U        | 1.71         | 0.66    | 0.661 |
| AMD57    | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0173 | pCi/sample | U        | 0.606        | 0.259   | 0.26  |
| AMD57    | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.076  | pCi/sample | U        | 0.796        | 0.328   | 0.328 |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMD57    | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 34      | pCi/sample | U        | 68.2         | 40.5    | 40.6  |
| AMD57    | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 16.6    | pCi/sample | U        | 29.4         | 36.8    | 37.8  |
| AMD57    | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.78    | pCi/sample |          | 0.836        | 1.12    | 1.19  |
| AMD57    | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0972  | pCi/sample | U        | 0.613        | 0.365   | 0.365 |
| AMD57    | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.03    | pCi/sample |          | 0.898        | 0.986   | 1.03  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD612   | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.204  | pCi/sample | U        | 3.42         | 1.41    | 1.41  |
| AMD612   | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | 0.258   | pCi/sample | U        | 1.93         | 0.993   | 0.994 |
| AMD612   | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0565 | pCi/sample | U        | 0.643        | 0.255   | 0.256 |
| AMD612   | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0465  | pCi/sample | U        | 0.614        | 0.3     | 0.3   |
| AMD612   | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 5.92    | pCi/sample | U        | 72.8         | 41.8    | 41.8  |
| AMD612   | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | -5.46   | pCi/sample | U        | 32.5         | 36      | 36.2  |
| AMD612   | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.63    | pCi/sample |          | 0.519        | 0.81    | 0.873 |
| AMD612   | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.0735  | pCi/sample | U        | 0.22         | 0.207   | 0.207 |
| AMD612   | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.32    | pCi/sample |          | 0.392        | 0.749   | 0.799 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD746S  | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.174  | pCi/sample | U        | 1.02         | 0.33    | 0.33  |
| AMD746S  | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.0388 | pCi/sample | U        | 2.03         | 0.898   | 0.898 |
| AMD746S  | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.181   | pCi/sample | U        | 0.397        | 0.287   | 0.288 |
| AMD746S  | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0       | pCi/sample | U        | 0.215        | 0.145   | 0.145 |
| AMD746S  | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 11.7    | pCi/sample | U        | 60.4         | 35      | 35    |
| AMD746S  | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 15.2    | pCi/sample | U        | 24.4         | 55.2    | 55.3  |
| AMD746S  | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.88    | pCi/sample |          | 0.755        | 0.785   | 0.824 |
| AMD746S  | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.147   | pCi/sample | U        | 0.401        | 0.29    | 0.29  |
| AMD746S  | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.21    | pCi/sample |          | 0.501        | 0.79    | 0.837 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMD746U  | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | 0.443   | pCi/sample | U        | 0.542        | 0.477   | 0.48  |
| AMD746U  | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | 0       | pCi/sample | U        | 0.322        | 0.216   | 0.216 |
| AMD746U  | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0305 | pCi/sample | U        | 0.352        | 0.135   | 0.135 |
| AMD746U  | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.0839  | pCi/sample | U        | 0.493        | 0.263   | 0.263 |
| AMD746U  | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 7.29    | pCi/sample | U        | 72.4         | 41.7    | 41.7  |
| AMD746U  | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | -28.9   | pCi/sample | U        | 25.7         | 30.5    | 33.8  |
| AMD746U  | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.31    | pCi/sample |          | 0.724        | 0.851   | 0.903 |
| AMD746U  | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.364   | pCi/sample | U        | 0.52         | 0.416   | 0.419 |
| AMD746U  | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 3.44    | pCi/sample |          | 0.453        | 0.975   | 1.07  |
|          |             |                   |                      |         |            |          |              |         |       |
| AMDBCP   | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.0845 | pCi/sample | U        | 1.42         | 0.583   | 0.584 |
| AMDBCP   | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | 0.122   | pCi/sample | U        | 1.62         | 0.79    | 0.79  |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

**Table A.2. Ambient Air Data (Continued)**

| STA_NAME | D_COLLECTED | CHEMICAL_NAME     | ANA_METHOD           | RESULTS | UNITS      | RSLTQUAL | DETECT_LIMIT | RAD_ERR | TPU   |
|----------|-------------|-------------------|----------------------|---------|------------|----------|--------------|---------|-------|
| AMDBCP   | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0697  | pCi/sample | U        | 0.44         | 0.262   | 0.262 |
| AMDBCP   | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.231   | pCi/sample | U        | 0.508        | 0.367   | 0.369 |
| AMDBCP   | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 22.7    | pCi/sample | U        | 73.5         | 43      | 43.1  |
| AMDBCP   | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 0       | pCi/sample | UX       | 18           | 37.3    | 37.8  |
| AMDBCP   | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.17    | pCi/sample |          | 0.593        | 0.738   | 0.785 |
| AMDBCP   | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.245   | pCi/sample | U        | 0.386        | 0.31    | 0.312 |
| AMDBCP   | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.55    | pCi/sample |          | 0.489        | 0.621   | 0.647 |
|          |             |                   |                      |         |            |          |              |         |       |
| AMDNE    | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | -0.686  | pCi/sample | U        | 3.52         | 1.11    | 1.11  |
| AMDNE    | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | 0.181   | pCi/sample | U        | 1.59         | 0.811   | 0.811 |
| AMDNE    | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | -0.0148 | pCi/sample | U        | 0.521        | 0.223   | 0.223 |
| AMDNE    | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | -0.285  | pCi/sample | U        | 0.755        | 0.205   | 0.205 |
| AMDNE    | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | -9.07   | pCi/sample | U        | 81.1         | 45.8    | 45.8  |
| AMDNE    | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | 9.03    | pCi/sample | U        | 22.8         | 44.8    | 44.8  |
| AMDNE    | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 2.25    | pCi/sample |          | 0.602        | 0.782   | 0.832 |
| AMDNE    | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | 0.535   | pCi/sample |          | 0.229        | 0.426   | 0.43  |
| AMDNE    | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 2.99    | pCi/sample |          | 0.378        | 0.86    | 0.932 |
| AMDNE    | 31-Dec-25   | Americium-241     | HASL 300, Am-05-RC M | 0.177   | pCi/sample | U        | 0.325        | 0.216   | 0.216 |
| AMDNE    | 31-Dec-25   | Neptunium-237     | ASTM-1475-00M        | -0.397  | pCi/sample | U        | 2.84         | 1.13    | 1.13  |
| AMDNE    | 31-Dec-25   | Plutonium-238     | HASL 300, Pu-11-RC M | 0.0673  | pCi/sample | U        | 0.425        | 0.252   | 0.253 |
| AMDNE    | 31-Dec-25   | Plutonium-239/240 | HASL 300, Pu-11-RC M | 0.177   | pCi/sample | U        | 0.265        | 0.303   | 0.304 |
| AMDNE    | 31-Dec-25   | Technetium-99     | HASL 300, Tc-02-RC M | 53.1    | pCi/sample | U        | 81           | 48.5    | 48.8  |
| AMDNE    | 31-Dec-25   | Thorium-234       | HASL 300, 4.5.2.3    | -11.4   | pCi/sample | U        | 47.1         | 40.8    | 41.2  |
| AMDNE    | 31-Dec-25   | Uranium-234       | HASL 300, U-02-RC M  | 1.3     | pCi/sample |          | 0.939        | 0.798   | 0.821 |
| AMDNE    | 31-Dec-25   | Uranium-235       | HASL 300, U-02-RC M  | -0.185  | pCi/sample | U        | 0.854        | 0.261   | 0.261 |
| AMDNE    | 31-Dec-25   | Uranium-238       | HASL 300, U-02-RC M  | 1.95    | pCi/sample |          | 0.927        | 0.925   | 0.963 |

T = Tracer recovery outside control limits of 30-110%

U = Value reported is less than the MDA and/or TPU

X = See Laboratory report

Table A.3. Weekly Flow Data

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 1            | 20126         | Flow-total    | AMD002   | ft3   | 02-Jan-25   | W01AMD0022-25  |
| 1            | 20126         | Flow-total    | AMD002   | ft3   | 09-Jan-25   | W02AMD0022-25  |
| 1            | 20237         | Flow-total    | AMD002   | ft3   | 16-Jan-25   | W03AMD0022-25  |
| 1            | 20033         | Flow-total    | AMD002   | ft3   | 23-Jan-25   | W04AMD0022-25  |
| 1            | 20086         | Flow-total    | AMD002   | ft3   | 30-Jan-25   | W05AMD0022-25  |
| 1            | 20051         | Flow-total    | AMD002   | ft3   | 06-Feb-25   | W06AMD0022-25  |
| 1            | 20190         | Flow-total    | AMD002   | ft3   | 13-Feb-25   | W07AMD0022-25  |
| 1            | 20216         | Flow-total    | AMD002   | ft3   | 20-Feb-25   | W08AMD0022-25  |
| 1            | 19971         | Flow-total    | AMD002   | ft3   | 27-Feb-25   | W09AMD0022-25  |
| 1            | 20100         | Flow-total    | AMD002   | ft3   | 06-Mar-25   | W10AMD0022-25  |
| 1            | 19899         | Flow-total    | AMD002   | ft3   | 13-Mar-25   | W11AMD0022-25  |
| 1            | 20154         | Flow-total    | AMD002   | ft3   | 20-Mar-25   | W12AMD0022-25  |
| 1            | 20096         | Flow-total    | AMD002   | ft3   | 27-Mar-25   | W13AMD0022-25  |
| <b>Total</b> | <b>261285</b> | <b>7404</b>   |          |       |             |                |
| 1            | 20111         | Flow-total    | AMD012   | ft3   | 02-Jan-25   | W01AMD0122-25  |
| 1            | 20126         | Flow-total    | AMD012   | ft3   | 09-Jan-25   | W02AMD0122-25  |
| 1            | 13931         | Flow-total    | AMD012   | ft3   | 16-Jan-25   | W03AMD0122-25  |
| 1            | 20091         | Flow-total    | AMD012   | ft3   | 23-Jan-25   | W04AMD0122-25  |
| 1            | 20126         | Flow-total    | AMD012   | ft3   | 30-Jan-25   | W05AMD0122-25  |
| 1            | 20120         | Flow-total    | AMD012   | ft3   | 06-Feb-25   | W06AMD0122-25  |
| 1            | 20242         | Flow-total    | AMD012   | ft3   | 13-Feb-25   | W07AMD0122-25  |
| 1            | 20259         | Flow-total    | AMD012   | ft3   | 20-Feb-25   | W08AMD0122-25  |
| 1            | 15146         | Flow-total    | AMD012   | ft3   | 27-Feb-25   | W09AMD0122-25  |
| 1            | 20170         | Flow-total    | AMD012   | ft3   | 06-Mar-25   | W10AMD0122-25  |
| 1            | 19943         | Flow-total    | AMD012   | ft3   | 13-Mar-25   | W11AMD0122-25  |
| 1            | 20213         | Flow-total    | AMD012   | ft3   | 20-Mar-25   | W12AMD0122-25  |
| 1            | 20144         | Flow-total    | AMD012   | ft3   | 27-Mar-25   | W13AMD0122-25  |
| <b>Total</b> | <b>250622</b> | <b>7102</b>   |          |       |             |                |
| 1            | 20181         | Flow-total    | AMD015   | ft3   | 02-Jan-25   | W01AMD0152-25  |
| 1            | 20112         | Flow-total    | AMD015   | ft3   | 09-Jan-25   | W02AMD0152-25  |
| 1            | 20368         | Flow-total    | AMD015   | ft3   | 16-Jan-25   | W03AMD0152-25  |
| 1            | 20208         | Flow-total    | AMD015   | ft3   | 23-Jan-25   | W04AMD0152-25  |
| 1            | 20068         | Flow-total    | AMD015   | ft3   | 30-Jan-25   | W05AMD0152-25  |
| 1            | 20123         | Flow-total    | AMD015   | ft3   | 06-Feb-25   | W06AMD0152-25  |
| 1            | 20363         | Flow-total    | AMD015   | ft3   | 13-Feb-25   | W07AMD0152-25  |
| 1            | 20200         | Flow-total    | AMD015   | ft3   | 20-Feb-25   | W08AMD0152-25  |
| 1            | 20017         | Flow-total    | AMD015   | ft3   | 27-Feb-25   | W09AMD0152-25  |
| 1            | 20211         | Flow-total    | AMD015   | ft3   | 06-Mar-25   | W10AMD0152-25  |
| 1            | 19955         | Flow-total    | AMD015   | ft3   | 13-Mar-25   | W11AMD0152-25  |
| 1            | 20203         | Flow-total    | AMD015   | ft3   | 20-Mar-25   | W12AMD0152-25  |
| 1            | 20200         | Flow-total    | AMD015   | ft3   | 27-Mar-25   | W13AMD0152-25  |
| <b>Total</b> | <b>262209</b> | <b>7431</b>   |          |       |             |                |
| 1            | 20113         | Flow-total    | AMD57    | ft3   | 02-Jan-25   | W01AMD572-25   |
| 1            | 20116         | Flow-total    | AMD57    | ft3   | 09-Jan-25   | W02AMD572-25   |
| 1            | 20198         | Flow-total    | AMD57    | ft3   | 16-Jan-25   | W03AMD572-25   |
| 1            | 20107         | Flow-total    | AMD57    | ft3   | 23-Jan-25   | W04AMD572-25   |
| 1            | 20023         | Flow-total    | AMD57    | ft3   | 30-Jan-25   | W05AMD572-25   |
| 1            | 20065         | Flow-total    | AMD57    | ft3   | 06-Feb-25   | W06AMD572-25   |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 1            | 20220         | Flow-total    | AMD57    | ft3   | 13-Feb-25   | W07AMD572-25   |
| 1            | 20167         | Flow-total    | AMD57    | ft3   | 20-Feb-25   | W08AMD572-25   |
| 1            | 19967         | Flow-total    | AMD57    | ft3   | 27-Feb-25   | W09AMD572-25   |
| 1            | 20118         | Flow-total    | AMD57    | ft3   | 06-Mar-25   | W10AMD572-25   |
| 1            | 19887         | Flow-total    | AMD57    | ft3   | 13-Mar-25   | W11AMD572-25   |
| 1            | 20146         | Flow-total    | AMD57    | ft3   | 20-Mar-25   | W12AMD572-25   |
| 1            | 20097         | Flow-total    | AMD57    | ft3   | 27-Mar-25   | W13AMD572-25   |
| <b>Total</b> | <b>261224</b> | <b>7403</b>   |          |       |             |                |
| 1            | 20152         | Flow-total    | AMD612   | ft3   | 02-Jan-25   | W01AMD6122-25  |
| 1            | 20036         | Flow-total    | AMD612   | ft3   | 09-Jan-25   | W02AMD6122-25  |
| 1            | 20297         | Flow-total    | AMD612   | ft3   | 16-Jan-25   | W03AMD6122-25  |
| 1            | 20156         | Flow-total    | AMD612   | ft3   | 23-Jan-25   | W04AMD6122-25  |
| 1            | 19995         | Flow-total    | AMD612   | ft3   | 30-Jan-25   | W05AMD6122-25  |
| 1            | 20059         | Flow-total    | AMD612   | ft3   | 06-Feb-25   | W06AMD6122-25  |
| 1            | 20297         | Flow-total    | AMD612   | ft3   | 13-Feb-25   | W07AMD6122-25  |
| 1            | 20118         | Flow-total    | AMD612   | ft3   | 20-Feb-25   | W08AMD6122-25  |
| 1            | 19908         | Flow-total    | AMD612   | ft3   | 27-Feb-25   | W09AMD6122-25  |
| 1            | 20183         | Flow-total    | AMD612   | ft3   | 06-Mar-25   | W10AMD6122-25  |
| 1            | 19865         | Flow-total    | AMD612   | ft3   | 13-Mar-25   | W11AMD6122-25  |
| 1            | 20136         | Flow-total    | AMD612   | ft3   | 20-Mar-25   | W12AMD6122-25  |
| 1            | 20132         | Flow-total    | AMD612   | ft3   | 27-Mar-25   | W13AMD6122-25  |
| <b>Total</b> | <b>261334</b> | <b>7406</b>   |          |       |             |                |
| 1            | 20117         | Flow-total    | AMD746S  | ft3   | 02-Jan-25   | W01AMD746S2-25 |
| 1            | 20131         | Flow-total    | AMD746S  | ft3   | 09-Jan-25   | W02AMD746S2-25 |
| 1            | 20194         | Flow-total    | AMD746S  | ft3   | 16-Jan-25   | W03AMD746S2-25 |
| 1            | 19902         | Flow-total    | AMD746S  | ft3   | 23-Jan-25   | W04AMD746S2-25 |
| 1            | 20301         | Flow-total    | AMD746S  | ft3   | 30-Jan-25   | W05AMD746S2-25 |
| 1            | 20039         | Flow-total    | AMD746S  | ft3   | 06-Feb-25   | W06AMD746S2-25 |
| 1            | 19903         | Flow-total    | AMD746S  | ft3   | 13-Feb-25   | W07AMD746S2-25 |
| 1            | 20533         | Flow-total    | AMD746S  | ft3   | 20-Feb-25   | W08AMD746S2-25 |
| 1            | 20053         | Flow-total    | AMD746S  | ft3   | 27-Feb-25   | W09AMD746S2-25 |
| 1            | 20128         | Flow-total    | AMD746S  | ft3   | 06-Mar-25   | W10AMD746S2-25 |
| 1            | 19954         | Flow-total    | AMD746S  | ft3   | 13-Mar-25   | W11AMD746S2-25 |
| 1            | 20216         | Flow-total    | AMD746S  | ft3   | 20-Mar-25   | W12AMD746S2-25 |
| 1            | 20246         | Flow-total    | AMD746S  | ft3   | 27-Mar-25   | W13AMD746S2-25 |
| <b>Total</b> | <b>261717</b> | <b>7417</b>   |          |       |             |                |
| 1            | 20090         | Flow-total    | AMD746U  | ft3   | 02-Jan-25   | W01AMD746U2-25 |
| 1            | 20121         | Flow-total    | AMD746U  | ft3   | 09-Jan-25   | W02AMD746U2-25 |
| 1            | 20233         | Flow-total    | AMD746U  | ft3   | 16-Jan-25   | W03AMD746U2-25 |
| 1            | 19903         | Flow-total    | AMD746U  | ft3   | 23-Jan-25   | W04AMD746U2-25 |
| 1            | 20316         | Flow-total    | AMD746U  | ft3   | 30-Jan-25   | W05AMD746U2-25 |
| 1            | 20048         | Flow-total    | AMD746U  | ft3   | 06-Feb-25   | W06AMD746U2-25 |
| 1            | 19986         | Flow-total    | AMD746U  | ft3   | 13-Feb-25   | W07AMD746U2-25 |
| 1            | 20352         | Flow-total    | AMD746U  | ft3   | 20-Feb-25   | W08AMD746U2-25 |
| 1            | 20003         | Flow-total    | AMD746U  | ft3   | 27-Feb-25   | W09AMD746U2-25 |
| 1            | 20090         | Flow-total    | AMD746U  | ft3   | 06-Mar-25   | W10AMD746U2-25 |
| 1            | 19897         | Flow-total    | AMD746U  | ft3   | 13-Mar-25   | W11AMD746U2-25 |
| 1            | 20154         | Flow-total    | AMD746U  | ft3   | 20-Mar-25   | W12AMD746U2-25 |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 1            | 20209         | Flow-total    | AMD746U  | ft3   | 27-Mar-25   | W13AMD746U2-25 |
| <b>Total</b> | <b>261402</b> | <b>7408</b>   |          |       |             |                |
| 1            | 20334         | Flow-total    | AMDBCP   | ft3   | 02-Jan-25   | W01AMDBCP2-25  |
| 1            | 20136         | Flow-total    | AMDBCP   | ft3   | 09-Jan-25   | W02AMDBCP2-25  |
| 1            | 20196         | Flow-total    | AMDBCP   | ft3   | 16-Jan-25   | W03AMDBCP2-25  |
| 1            | 19890         | Flow-total    | AMDBCP   | ft3   | 23-Jan-25   | W04AMDBCP2-25  |
| 1            | 20182         | Flow-total    | AMDBCP   | ft3   | 30-Jan-25   | W05AMDBCP2-25  |
| 1            | 20033         | Flow-total    | AMDBCP   | ft3   | 06-Feb-25   | W06AMDBCP2-25  |
| 1            | 20091         | Flow-total    | AMDBCP   | ft3   | 13-Feb-25   | W07AMDBCP2-25  |
| 1            | 20367         | Flow-total    | AMDBCP   | ft3   | 20-Feb-25   | W08AMDBCP2-25  |
| 1            | 20024         | Flow-total    | AMDBCP   | ft3   | 27-Feb-25   | W09AMDBCP2-25  |
| 1            | 19828         | Flow-total    | AMDBCP   | ft3   | 06-Mar-25   | W10AMDBCP2-25  |
| 1            | 20155         | Flow-total    | AMDBCP   | ft3   | 13-Mar-25   | W11AMDBCP2-25  |
| 1            | 20136         | Flow-total    | AMDBCP   | ft3   | 20-Mar-25   | W12AMDBCP2-25  |
| 1            | 20023         | Flow-total    | AMDBCP   | ft3   | 27-Mar-25   | W13AMDBCP2-25  |
| <b>Total</b> | <b>261395</b> | <b>7408</b>   |          |       |             |                |
| 1            | 20159         | Flow-total    | AMDNE    | ft3   | 02-Jan-25   | W01AMDNE2-25   |
| 1            | 20141         | Flow-total    | AMDNE    | ft3   | 09-Jan-25   | W02AMDNE2-25   |
| 1            | 20193         | Flow-total    | AMDNE    | ft3   | 16-Jan-25   | W03AMDNE2-25   |
| 1            | 19846         | Flow-total    | AMDNE    | ft3   | 23-Jan-25   | W04AMDNE2-25   |
| 1            | 20366         | Flow-total    | AMDNE    | ft3   | 30-Jan-25   | W05AMDNE2-25   |
| 1            | 20036         | Flow-total    | AMDNE    | ft3   | 06-Feb-25   | W06AMDNE2-25   |
| 1            | 19956         | Flow-total    | AMDNE    | ft3   | 13-Feb-25   | W07AMDNE2-25   |
| 1            | 20365         | Flow-total    | AMDNE    | ft3   | 20-Feb-25   | W08AMDNE2-25   |
| 1            | 20019         | Flow-total    | AMDNE    | ft3   | 27-Feb-25   | W09AMDNE2-25   |
| 1            | 20075         | Flow-total    | AMDNE    | ft3   | 06-Mar-25   | W10AMDNE2-25   |
| 1            | 19897         | Flow-total    | AMDNE    | ft3   | 13-Mar-25   | W11AMDNE2-25   |
| 1            | 20144         | Flow-total    | AMDNE    | ft3   | 20-Mar-25   | W12AMDNE2-25   |
| 1            | 20190         | Flow-total    | AMDNE    | ft3   | 27-Mar-25   | W13AMDNE2-25   |
| <b>Total</b> | <b>261387</b> | <b>7407</b>   |          |       |             |                |
| 2            | 20019         | Flow-total    | AMD002   | ft3   | 03-Apr-25   | W01AMD0023-25  |
| 2            | 20224         | Flow-total    | AMD002   | ft3   | 10-Apr-25   | W02AMD0023-25  |
| 2            | 17195         | Flow-total    | AMD002   | ft3   | 16-Apr-25   | W03AMD0023-25  |
| 2            | 22973         | Flow-total    | AMD002   | ft3   | 24-Apr-25   | W04AMD0023-25  |
| 2            | 19352         | Flow-total    | AMD002   | ft3   | 01-May-25   | W05AMD0023-25  |
| 2            | 20068         | Flow-total    | AMD002   | ft3   | 08-May-25   | W06AMD0023-25  |
| 2            | 19998         | Flow-total    | AMD002   | ft3   | 15-May-25   | W07AMD0023-25  |
| 2            | 20169         | Flow-total    | AMD002   | ft3   | 22-May-25   | W08AMD0023-25  |
| 2            | 20106         | Flow-total    | AMD002   | ft3   | 29-May-25   | W09AMD0023-25  |
| 2            | 20025         | Flow-total    | AMD002   | ft3   | 05-Jun-25   | W10AMD0023-25  |
| 2            | 20127         | Flow-total    | AMD002   | ft3   | 12-Jun-25   | W11AMD0023-25  |
| 2            | 17317         | Flow-total    | AMD002   | ft3   | 18-Jun-25   | W12AMD0023-25  |
| 2            | 22992         | Flow-total    | AMD002   | ft3   | 26-Jun-25   | W13AMD0023-25  |
| <b>Total</b> | <b>260565</b> | <b>7384</b>   |          |       |             |                |
| 2            | 20073         | Flow-total    | AMD012   | ft3   | 03-Apr-25   | W01AMD0123-25  |
| 2            | 20235         | Flow-total    | AMD012   | ft3   | 10-Apr-25   | W02AMD0123-25  |
| 2            | 17306         | Flow-total    | AMD012   | ft3   | 16-Apr-25   | W03AMD0123-25  |
| 2            | 23012         | Flow-total    | AMD012   | ft3   | 24-Apr-25   | W04AMD0123-25  |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 2            | 20179         | Flow-total    | AMD012   | ft3   | 01-May-25   | W05AMD0123-25  |
| 2            | 20128         | Flow-total    | AMD012   | ft3   | 08-May-25   | W06AMD0123-25  |
| 2            | 20075.8       | Flow-total    | AMD012   | ft3   | 15-May-25   | W07AMD0123-25  |
| 2            | 20221         | Flow-total    | AMD012   | ft3   | 22-May-25   | W08AMD0123-25  |
| 2            | 20157         | Flow-total    | AMD012   | ft3   | 29-May-25   | W09AMD0123-25  |
| 2            | 20081         | Flow-total    | AMD012   | ft3   | 05-Jun-25   | W10AMD0123-25  |
| 2            | 20184         | Flow-total    | AMD012   | ft3   | 12-Jun-25   | W11AMD0123-25  |
| 2            | 17364         | Flow-total    | AMD012   | ft3   | 18-Jun-25   | W12AMD0123-25  |
| 2            | 23041         | Flow-total    | AMD012   | ft3   | 26-Jun-25   | W13AMD0123-25  |
| <b>Total</b> | <b>262057</b> | <b>7426</b>   |          |       |             |                |
| 2            | 20068         | Flow-total    | AMD015   | ft3   | 03-Apr-25   | W01AMD0153-25  |
| 2            | 20266         | Flow-total    | AMD015   | ft3   | 10-Apr-25   | W02AMD0153-25  |
| 2            | 17272         | Flow-total    | AMD015   | ft3   | 16-Apr-25   | W03AMD0153-25  |
| 2            | 23080         | Flow-total    | AMD015   | ft3   | 24-Apr-25   | W04AMD0153-25  |
| 2            | 20185         | Flow-total    | AMD015   | ft3   | 01-May-25   | W05AMD0153-25  |
| 2            | 20132         | Flow-total    | AMD015   | ft3   | 08-May-25   | W06AMD0153-25  |
| 2            | 20127.8       | Flow-total    | AMD015   | ft3   | 15-May-25   | W07AMD0153-25  |
| 2            | 20210         | Flow-total    | AMD015   | ft3   | 22-May-25   | W08AMD0153-25  |
| 2            | 20190         | Flow-total    | AMD015   | ft3   | 29-May-25   | W09AMD0153-25  |
| 2            | 20115         | Flow-total    | AMD015   | ft3   | 05-Jun-25   | W10AMD0153-25  |
| 2            | 20202         | Flow-total    | AMD015   | ft3   | 12-Jun-25   | W11AMD0153-25  |
| 2            | 17366         | Flow-total    | AMD015   | ft3   | 18-Jun-25   | W12AMD0153-25  |
| 2            | 23051         | Flow-total    | AMD015   | ft3   | 26-Jun-25   | W13AMD0153-25  |
| <b>Total</b> | <b>262265</b> | <b>7432</b>   |          |       |             |                |
| 2            | 20012         | Flow-total    | AMD57    | ft3   | 03-Apr-25   | W01AMD573-25   |
| 2            | 20187         | Flow-total    | AMD57    | ft3   | 10-Apr-25   | W02AMD573-25   |
| 2            | 17198         | Flow-total    | AMD57    | ft3   | 16-Apr-25   | W03AMD573-25   |
| 2            | 23004         | Flow-total    | AMD57    | ft3   | 24-Apr-25   | W04AMD573-25   |
| 2            | 20109         | Flow-total    | AMD57    | ft3   | 01-May-25   | W05AMD573-25   |
| 2            | 20086         | Flow-total    | AMD57    | ft3   | 08-May-25   | W06AMD573-25   |
| 2            | 20019         | Flow-total    | AMD57    | ft3   | 15-May-25   | W07AMD573-25   |
| 2            | 20131         | Flow-total    | AMD57    | ft3   | 22-May-25   | W08AMD573-25   |
| 2            | 20123         | Flow-total    | AMD57    | ft3   | 29-May-25   | W09AMD573-25   |
| 2            | 20035         | Flow-total    | AMD57    | ft3   | 05-Jun-25   | W10AMD573-25   |
| 2            | 20125         | Flow-total    | AMD57    | ft3   | 12-Jun-25   | W11AMD573-25   |
| 2            | 17315         | Flow-total    | AMD57    | ft3   | 18-Jun-25   | W12AMD573-25   |
| 2            | 22973         | Flow-total    | AMD57    | ft3   | 26-Jun-25   | W13AMD573-25   |
| <b>Total</b> | <b>261317</b> | <b>7405</b>   |          |       |             |                |
| 2            | 19977         | Flow-total    | AMD612   | ft3   | 03-Apr-25   | W01AMD6123-25  |
| 2            | 20202         | Flow-total    | AMD612   | ft3   | 10-Apr-25   | W02AMD6123-25  |
| 2            | 17203         | Flow-total    | AMD612   | ft3   | 16-Apr-25   | W03AMD6123-25  |
| 2            | 22990         | Flow-total    | AMD612   | ft3   | 24-Apr-25   | W04AMD6123-25  |
| 2            | 20116         | Flow-total    | AMD612   | ft3   | 01-May-25   | W05AMD6123-25  |
| 2            | 20057         | Flow-total    | AMD612   | ft3   | 08-May-25   | W06AMD6123-25  |
| 2            | 20006.1       | Flow-total    | AMD612   | ft3   | 15-May-25   | W07AMD6123-25  |
| 2            | 20132         | Flow-total    | AMD612   | ft3   | 22-May-25   | W08AMD6123-25  |
| 2            | 20103         | Flow-total    | AMD612   | ft3   | 29-May-25   | W09AMD6123-25  |
| 2            | 20069         | Flow-total    | AMD612   | ft3   | 05-Jun-25   | W10AMD6123-25  |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 2            | 20132         | Flow-total    | AMD612   | ft3   | 12-Jun-25   | W11AMD6123-25  |
| 2            | 17292         | Flow-total    | AMD612   | ft3   | 18-Jun-25   | W12AMD6123-25  |
| 2            | 22970         | Flow-total    | AMD612   | ft3   | 26-Jun-25   | W13AMD6123-25  |
| <b>Total</b> | <b>261249</b> | <b>7403</b>   |          |       |             |                |
| 2            | 19969         | Flow-total    | AMD746S  | ft3   | 03-Apr-25   | W01AMD746S3-25 |
| 2            | 20350         | Flow-total    | AMD746S  | ft3   | 10-Apr-25   | W02AMD746S3-25 |
| 2            | 17310         | Flow-total    | AMD746S  | ft3   | 16-Apr-25   | W03AMD746S3-25 |
| 2            | 22882         | Flow-total    | AMD746S  | ft3   | 24-Apr-25   | W04AMD746S3-25 |
| 2            | 20201         | Flow-total    | AMD746S  | ft3   | 01-May-25   | W05AMD746S3-25 |
| 2            | 20140         | Flow-total    | AMD746S  | ft3   | 08-May-25   | W06AMD746S3-25 |
| 2            | 20028.1       | Flow-total    | AMD746S  | ft3   | 15-May-25   | W07AMD746S3-25 |
| 2            | 20225         | Flow-total    | AMD746S  | ft3   | 22-May-25   | W08AMD746S3-25 |
| 2            | 20173         | Flow-total    | AMD746S  | ft3   | 29-May-25   | W09AMD746S3-25 |
| 2            | 20064         | Flow-total    | AMD746S  | ft3   | 05-Jun-25   | W10AMD746S3-25 |
| 2            | 20176         | Flow-total    | AMD746S  | ft3   | 12-Jun-25   | W11AMD746S3-25 |
| 2            | 17360         | Flow-total    | AMD746S  | ft3   | 18-Jun-25   | W12AMD746S3-25 |
| 2            | 23065         | Flow-total    | AMD746S  | ft3   | 26-Jun-25   | W13AMD746S3-25 |
| <b>Total</b> | <b>261943</b> | <b>7423</b>   |          |       |             |                |
| 2            | 19922         | Flow-total    | AMD746U  | ft3   | 03-Apr-25   | W01AMD746U3-25 |
| 2            | 20305         | Flow-total    | AMD746U  | ft3   | 10-Apr-25   | W02AMD746U3-25 |
| 2            | 17260         | Flow-total    | AMD746U  | ft3   | 16-Apr-25   | W03AMD746U3-25 |
| 2            | 22189         | Flow-total    | AMD746U  | ft3   | 24-Apr-25   | W04AMD746U3-25 |
| 2            | 20143         | Flow-total    | AMD746U  | ft3   | 01-May-25   | W05AMD746U3-25 |
| 2            | 20102         | Flow-total    | AMD746U  | ft3   | 08-May-25   | W06AMD746U3-25 |
| 2            | 19974         | Flow-total    | AMD746U  | ft3   | 15-May-25   | W07AMD746U3-25 |
| 2            | 20166         | Flow-total    | AMD746U  | ft3   | 22-May-25   | W08AMD746U3-25 |
| 2            | 20114         | Flow-total    | AMD746U  | ft3   | 29-May-25   | W09AMD746U3-25 |
| 2            | 20017         | Flow-total    | AMD746U  | ft3   | 05-Jun-25   | W10AMD746U3-25 |
| 2            | 20127         | Flow-total    | AMD746U  | ft3   | 12-Jun-25   | W11AMD746U3-25 |
| 2            | 17314         | Flow-total    | AMD746U  | ft3   | 18-Jun-25   | W12AMD746U3-25 |
| 2            | 22998         | Flow-total    | AMD746U  | ft3   | 26-Jun-25   | W13AMD746U3-25 |
| <b>Total</b> | <b>260631</b> | <b>7386</b>   |          |       |             |                |
| 2            | 20100         | Flow-total    | AMDBCP   | ft3   | 03-Apr-25   | W01AMDBCP3-25  |
| 2            | 20139         | Flow-total    | AMDBCP   | ft3   | 10-Apr-25   | W02AMDBCP3-25  |
| 2            | 17212         | Flow-total    | AMDBCP   | ft3   | 16-Apr-25   | W03AMDBCP3-25  |
| 2            | 23027         | Flow-total    | AMDBCP   | ft3   | 24-Apr-25   | W04AMDBCP3-25  |
| 2            | 20148         | Flow-total    | AMDBCP   | ft3   | 01-May-25   | W05AMDBCP3-25  |
| 2            | 20067         | Flow-total    | AMDBCP   | ft3   | 08-May-25   | W06AMDBCP3-25  |
| 2            | 19992         | Flow-total    | AMDBCP   | ft3   | 15-May-25   | W07AMDBCP3-25  |
| 2            | 20175         | Flow-total    | AMDBCP   | ft3   | 22-May-25   | W08AMDBCP3-25  |
| 2            | 20121         | Flow-total    | AMDBCP   | ft3   | 29-May-25   | W09AMDBCP3-25  |
| 2            | 20019         | Flow-total    | AMDBCP   | ft3   | 05-Jun-25   | W10AMDBCP3-25  |
| 2            | 20081         | Flow-total    | AMDBCP   | ft3   | 12-Jun-25   | W11AMDBCP3-25  |
| 2            | 17354         | Flow-total    | AMDBCP   | ft3   | 18-Jun-25   | W12AMDBCP3-25  |
| 2            | 23000         | Flow-total    | AMDBCP   | ft3   | 26-Jun-25   | W13AMDBCP3-25  |
| <b>Total</b> | <b>261435</b> | <b>7409</b>   |          |       |             |                |
| 2            | 19920         | Flow-total    | AMDNE    | ft3   | 03-Apr-25   | W01AMDNE3-25   |
| 2            | 20286         | Flow-total    | AMDNE    | ft3   | 10-Apr-25   | W02AMDNE3-25   |

Table A.3. Weekly Flow Data (Continued)

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 2            | 17267         | Flow-total    | AMDNE    | ft3   | 16-Apr-25   | W03AMDNE3-25   |
| 2            | 22809         | Flow-total    | AMDNE    | ft3   | 24-Apr-25   | W04AMDNE3-25   |
| 2            | 20165         | Flow-total    | AMDNE    | ft3   | 01-May-25   | W05AMDNE3-25   |
| 2            | 20078         | Flow-total    | AMDNE    | ft3   | 08-May-25   | W06AMDNE3-25   |
| 2            | 19968         | Flow-total    | AMDNE    | ft3   | 15-May-25   | W07AMDNE3-25   |
| 2            | 20167         | Flow-total    | AMDNE    | ft3   | 22-May-25   | W08AMDNE3-25   |
| 2            | 20109         | Flow-total    | AMDNE    | ft3   | 29-May-25   | W09AMDNE3-25   |
| 2            | 20020         | Flow-total    | AMDNE    | ft3   | 05-Jun-25   | W10AMDNE3-25   |
| 2            | 20092         | Flow-total    | AMDNE    | ft3   | 12-Jun-25   | W11AMDNE3-25   |
| 2            | 17312         | Flow-total    | AMDNE    | ft3   | 18-Jun-25   | W12AMDNE3-25   |
| 2            | 23007         | Flow-total    | AMDNE    | ft3   | 26-Jun-25   | W13AMDNE3-25   |
| <b>Total</b> | <b>261200</b> | <b>7402</b>   |          |       |             |                |
| 3            | 17120         | Flow-total    | AMD002   | ft3   | 02-Jul-25   | W01AMD0024-25  |
| 3            | 22968         | Flow-total    | AMD002   | ft3   | 10-Jul-25   | W02AMD0024-25  |
| 3            | 20117         | Flow-total    | AMD002   | ft3   | 17-Jul-25   | W03AMD0024-25  |
| 3            | 20115         | Flow-total    | AMD002   | ft3   | 24-Jul-25   | W04AMD0024-25  |
| 3            | 20371         | Flow-total    | AMD002   | ft3   | 31-Jul-25   | W05AMD0024-25  |
| 3            | 19824         | Flow-total    | AMD002   | ft3   | 07-Aug-25   | W06AMD0024-25  |
| 3            | 20299         | Flow-total    | AMD002   | ft3   | 14-Aug-25   | W07AMD0024-25  |
| 3            | 20163         | Flow-total    | AMD002   | ft3   | 21-Aug-25   | W08AMD0024-25  |
| 3            | 19956         | Flow-total    | AMD002   | ft3   | 28-Aug-25   | W09AMD0024-25  |
| 3            | 20032         | Flow-total    | AMD002   | ft3   | 04-Sep-25   | W10AMD0024-25  |
| 3            | 20262         | Flow-total    | AMD002   | ft3   | 11-Sep-25   | W11AMD0024-25  |
| 3            | 19960         | Flow-total    | AMD002   | ft3   | 18-Sep-25   | W12AMD0024-25  |
| 3            | 20144         | Flow-total    | AMD002   | ft3   | 25-Sep-25   | W13AMD0024-25  |
| <b>Total</b> | <b>261331</b> | <b>7406</b>   |          |       |             |                |
| 3            | 17178         | Flow-total    | AMD012   | ft3   | 02-Jul-25   | W01AMD0124-25  |
| 3            | 23025         | Flow-total    | AMD012   | ft3   | 10-Jul-25   | W02AMD0124-25  |
| 3            | 20173         | Flow-total    | AMD012   | ft3   | 17-Jul-25   | W03AMD0124-25  |
| 3            | 20161         | Flow-total    | AMD012   | ft3   | 24-Jul-25   | W04AMD0124-25  |
| 3            | 20431         | Flow-total    | AMD012   | ft3   | 31-Jul-25   | W05AMD0124-25  |
| 3            | 19877         | Flow-total    | AMD012   | ft3   | 07-Aug-25   | W06AMD0124-25  |
| 3            | 20372         | Flow-total    | AMD012   | ft3   | 14-Aug-25   | W07AMD0124-25  |
| 3            | 20197         | Flow-total    | AMD012   | ft3   | 21-Aug-25   | W08AMD0124-25  |
| 3            | 20008         | Flow-total    | AMD012   | ft3   | 28-Aug-25   | W09AMD0124-25  |
| 3            | 20085         | Flow-total    | AMD012   | ft3   | 04-Sep-25   | W10AMD0124-25  |
| 3            | 20313         | Flow-total    | AMD012   | ft3   | 11-Sep-25   | W11AMD0124-25  |
| 3            | 20014         | Flow-total    | AMD012   | ft3   | 18-Sep-25   | W12AMD0124-25  |
| 3            | 20197         | Flow-total    | AMD012   | ft3   | 25-Sep-25   | W13AMD0124-25  |
| <b>Total</b> | <b>262031</b> | <b>7426</b>   |          |       |             |                |
| 3            | 17203         | Flow-total    | AMD015   | ft3   | 02-Jul-25   | W01AMD0154-25  |
| 3            | 23041         | Flow-total    | AMD015   | ft3   | 10-Jul-25   | W02AMD0154-25  |
| 3            | 20134         | Flow-total    | AMD015   | ft3   | 17-Jul-25   | W03AMD0154-25  |
| 3            | 20185         | Flow-total    | AMD015   | ft3   | 24-Jul-25   | W04AMD0154-25  |
| 3            | 20505         | Flow-total    | AMD015   | ft3   | 31-Jul-25   | W05AMD0154-25  |
| 3            | 19798         | Flow-total    | AMD015   | ft3   | 07-Aug-25   | W06AMD0154-25  |
| 3            | 20292         | Flow-total    | AMD015   | ft3   | 14-Aug-25   | W07AMD0154-25  |
| 3            | 20340         | Flow-total    | AMD015   | ft3   | 21-Aug-25   | W08AMD0154-25  |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 3            | 19957         | Flow-total    | AMD015   | ft3   | 28-Aug-25   | W09AMD0154-25  |
| 3            | 20037         | Flow-total    | AMD015   | ft3   | 04-Sep-25   | W10AMD0154-25  |
| 3            | 20247         | Flow-total    | AMD015   | ft3   | 11-Sep-25   | W11AMD0154-25  |
| 3            | 19959         | Flow-total    | AMD015   | ft3   | 18-Sep-25   | W12AMD0154-25  |
| 3            | 20136         | Flow-total    | AMD015   | ft3   | 25-Sep-25   | W13AMD0154-25  |
| <b>Total</b> | <b>261834</b> | <b>7420</b>   |          |       |             |                |
| 3            | 17136         | Flow-total    | AMD57    | ft3   | 02-Jul-25   | W01AMD574-25   |
| 3            | 22958         | Flow-total    | AMD57    | ft3   | 10-Jul-25   | W02AMD574-25   |
| 3            | 20111         | Flow-total    | AMD57    | ft3   | 17-Jul-25   | W03AMD574-25   |
| 3            | 20102         | Flow-total    | AMD57    | ft3   | 24-Jul-25   | W04AMD574-25   |
| 3            | 20396         | Flow-total    | AMD57    | ft3   | 31-Jul-25   | W05AMD574-25   |
| 3            | 19783         | Flow-total    | AMD57    | ft3   | 07-Aug-25   | W06AMD574-25   |
| 3            | 20190         | Flow-total    | AMD57    | ft3   | 14-Aug-25   | W07AMD574-25   |
| 3            | 20261         | Flow-total    | AMD57    | ft3   | 21-Aug-25   | W08AMD574-25   |
| 3            | 19947         | Flow-total    | AMD57    | ft3   | 28-Aug-25   | W09AMD574-25   |
| 3            | 20029         | Flow-total    | AMD57    | ft3   | 04-Sep-25   | W10AMD574-25   |
| 3            | 20245         | Flow-total    | AMD57    | ft3   | 11-Sep-25   | W11AMD574-25   |
| 3            | 19955         | Flow-total    | AMD57    | ft3   | 18-Sep-25   | W12AMD574-25   |
| 3            | 20132         | Flow-total    | AMD57    | ft3   | 25-Sep-25   | W13AMD574-25   |
| <b>Total</b> | <b>261245</b> | <b>7403</b>   |          |       |             |                |
| 3            | 17156         | Flow-total    | AMD612   | ft3   | 02-Jul-25   | W01AMD6124-25  |
| 3            | 22947         | Flow-total    | AMD612   | ft3   | 10-Jul-25   | W02AMD6124-25  |
| 3            | 20110         | Flow-total    | AMD612   | ft3   | 17-Jul-25   | W03AMD6124-25  |
| 3            | 20115         | Flow-total    | AMD612   | ft3   | 24-Jul-25   | W04AMD6124-25  |
| 3            | 20460         | Flow-total    | AMD612   | ft3   | 31-Jul-25   | W05AMD6124-25  |
| 3            | 19695         | Flow-total    | AMD612   | ft3   | 07-Aug-25   | W06AMD6124-25  |
| 3            | 20223         | Flow-total    | AMD612   | ft3   | 14-Aug-25   | W07AMD6124-25  |
| 3            | 20262         | Flow-total    | AMD612   | ft3   | 21-Aug-25   | W08AMD6124-25  |
| 3            | 19965         | Flow-total    | AMD612   | ft3   | 28-Aug-25   | W09AMD6124-25  |
| 3            | 20037         | Flow-total    | AMD612   | ft3   | 04-Sep-25   | W10AMD6124-25  |
| 3            | 20215         | Flow-total    | AMD612   | ft3   | 11-Sep-25   | W11AMD6124-25  |
| 3            | 19978         | Flow-total    | AMD612   | ft3   | 18-Sep-25   | W12AMD6124-25  |
| 3            | 20193         | Flow-total    | AMD612   | ft3   | 25-Sep-25   | W13AMD6124-25  |
| <b>Total</b> | <b>261356</b> | <b>7406</b>   |          |       |             |                |
| 3            | 17144         | Flow-total    | AMD746S  | ft3   | 02-Jul-25   | W01AMD746S4-25 |
| 3            | 23039         | Flow-total    | AMD746S  | ft3   | 10-Jul-25   | W02AMD746S4-25 |
| 3            | 20189         | Flow-total    | AMD746S  | ft3   | 17-Jul-25   | W03AMD746S4-25 |
| 3            | 20148         | Flow-total    | AMD746S  | ft3   | 24-Jul-25   | W04AMD746S4-25 |
| 3            | 8570          | Flow-total    | AMD746S  | ft3   | 31-Jul-25   | W05AMD746S4-25 |
| 3            | 19831         | Flow-total    | AMD746S  | ft3   | 07-Aug-25   | W06AMD746S4-25 |
| 3            | 20275         | Flow-total    | AMD746S  | ft3   | 14-Aug-25   | W07AMD746S4-25 |
| 3            | 20352         | Flow-total    | AMD746S  | ft3   | 21-Aug-25   | W08AMD746S4-25 |
| 3            | 20030         | Flow-total    | AMD746S  | ft3   | 28-Aug-25   | W09AMD746S4-25 |
| 3            | 20097         | Flow-total    | AMD746S  | ft3   | 04-Sep-25   | W10AMD746S4-25 |
| 3            | 20236         | Flow-total    | AMD746S  | ft3   | 11-Sep-25   | W11AMD746S4-25 |
| 3            | 20022         | Flow-total    | AMD746S  | ft3   | 18-Sep-25   | W12AMD746S4-25 |
| 3            | 20174         | Flow-total    | AMD746S  | ft3   | 25-Sep-25   | W13AMD746S4-25 |
| <b>Total</b> | <b>250107</b> | <b>7088</b>   |          |       |             |                |

Table A.3. Weekly Flow Data (Continued)

| QUARTER      | RESULTS       | CHEMICAL NAME     | STA NAME      | UNITS      | D COLLECTED      | PROJ SAMPLE ID       |
|--------------|---------------|-------------------|---------------|------------|------------------|----------------------|
| 3            | 17104         | Flow-total        | AMD746U       | ft3        | 02-Jul-25        | W01AMD746U4-25       |
| 3            | 22970         | Flow-total        | AMD746U       | ft3        | 10-Jul-25        | W02AMD746U4-25       |
| 3            | 20128         | Flow-total        | AMD746U       | ft3        | 17-Jul-25        | W03AMD746U4-25       |
| 3            | 20202         | Flow-total        | AMD746U       | ft3        | 31-Jul-25        | W05AMD746U4-25       |
| 3            | 20004         | Flow-total        | AMD746U       | ft3        | 07-Aug-25        | W06AMD746U4-25       |
| 3            | 20219         | Flow-total        | AMD746U       | ft3        | 14-Aug-25        | W07AMD746U4-25       |
| 3            | 20297         | Flow-total        | AMD746U       | ft3        | 21-Aug-25        | W08AMD746U4-25       |
| 3            | 19980         | Flow-total        | AMD746U       | ft3        | 28-Aug-25        | W09AMD746U4-25       |
| 3            | 20043         | Flow-total        | AMD746U       | ft3        | 04-Sep-25        | W10AMD746U4-25       |
| 3            | 20169         | Flow-total        | AMD746U       | ft3        | 11-Sep-25        | W11AMD746U4-25       |
| 3            | 19974         | Flow-total        | AMD746U       | ft3        | 18-Sep-25        | W12AMD746U4-25       |
| 3            | 20120         | Flow-total        | AMD746U       | ft3        | 25-Sep-25        | W13AMD746U4-25       |
| Total        | 241210        | 6836              |               |            |                  |                      |
| <b>3</b>     | <b>17074</b>  | <b>Flow-total</b> | <b>AMDBCP</b> | <b>ft3</b> | <b>02-Jul-25</b> | <b>W01AMDBCP4-25</b> |
| 3            | 22985         | Flow-total        | AMDBCP        | ft3        | 10-Jul-25        | W02AMDBCP4-25        |
| 3            | 20136         | Flow-total        | AMDBCP        | ft3        | 17-Jul-25        | W03AMDBCP4-25        |
| 3            | 20073         | Flow-total        | AMDBCP        | ft3        | 24-Jul-25        | W04AMDBCP4-25        |
| 3            | 20198         | Flow-total        | AMDBCP        | ft3        | 31-Jul-25        | W05AMDBCP4-25        |
| 3            | 20000         | Flow-total        | AMDBCP        | ft3        | 07-Aug-25        | W06AMDBCP4-25        |
| 3            | 20229         | Flow-total        | AMDBCP        | ft3        | 14-Aug-25        | W07AMDBCP4-25        |
| 3            | 20151         | Flow-total        | AMDBCP        | ft3        | 21-Aug-25        | W08AMDBCP4-25        |
| 3            | 19955         | Flow-total        | AMDBCP        | ft3        | 28-Aug-25        | W09AMDBCP4-25        |
| 3            | 20035         | Flow-total        | AMDBCP        | ft3        | 04-Sep-25        | W10AMDBCP4-25        |
| 3            | 20357         | Flow-total        | AMDBCP        | ft3        | 11-Sep-25        | W11AMDBCP4-25        |
| 3            | 19965         | Flow-total        | AMDBCP        | ft3        | 18-Sep-25        | W12AMDBCP4-25        |
| 3            | 20113         | Flow-total        | AMDBCP        | ft3        | 25-Sep-25        | W13AMDBCP4-25        |
| <b>Total</b> | <b>261271</b> | <b>7404</b>       |               |            |                  |                      |
| 3            | 17088         | Flow-total        | AMDNE         | ft3        | 02-Jul-25        | W01AMDNE4-25         |
| 3            | 22977         | Flow-total        | AMDNE         | ft3        | 10-Jul-25        | W02AMDNE4-25         |
| 3            | 20153         | Flow-total        | AMDNE         | ft3        | 17-Jul-25        | W03AMDNE4-25         |
| 3            | 20089         | Flow-total        | AMDNE         | ft3        | 24-Jul-25        | W04AMDNE4-25         |
| 3            | 20131         | Flow-total        | AMDNE         | ft3        | 31-Jul-25        | W05AMDNE4-25         |
| 3            | 20052         | Flow-total        | AMDNE         | ft3        | 07-Aug-25        | W06AMDNE4-25         |
| 3            | 20170         | Flow-total        | AMDNE         | ft3        | 14-Aug-25        | W07AMDNE4-25         |
| 3            | 20354         | Flow-total        | AMDNE         | ft3        | 21-Aug-25        | W08AMDNE4-25         |
| 3            | 19902         | Flow-total        | AMDNE         | ft3        | 28-Aug-25        | W09AMDNE4-25         |
| 3            | 20051         | Flow-total        | AMDNE         | ft3        | 04-Sep-25        | W10AMDNE4-25         |
| 3            | 20239         | Flow-total        | AMDNE         | ft3        | 11-Sep-25        | W11AMDNE4-25         |
| 3            | 20019         | Flow-total        | AMDNE         | ft3        | 18-Sep-25        | W12AMDNE4-25         |
| 3            | 20164         | Flow-total        | AMDNE         | ft3        | 25-Sep-25        | W13AMDNE4-25         |
| <b>Total</b> | <b>261389</b> | <b>7407</b>       |               |            |                  |                      |
| 4            | 20101         | Flow-total        | AMD002        | ft3        | 02-Oct-25        | W01AMD0021-26        |
| 4            | 20615         | Flow-total        | AMD002        | ft3        | 09-Oct-25        | W02AMD0021-26        |
| 4            | 19581         | Flow-total        | AMD002        | ft3        | 16-Oct-25        | W03AMD0021-26        |
| 4            | 20069         | Flow-total        | AMD002        | ft3        | 23-Oct-25        | W04AMD0021-26        |
| 4            | 20133         | Flow-total        | AMD002        | ft3        | 30-Oct-25        | W05AMD0021-26        |
| 4            | 20465         | Flow-total        | AMD002        | ft3        | 06-Nov-25        | W06AMD0021-26        |
| 4            | 19989         | Flow-total        | AMD002        | ft3        | 13-Nov-25        | W07AMD0021-26        |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 4            | 20209         | Flow-total    | AMD002   | ft3   | 20-Nov-25   | W08AMD0021-26  |
| 4            | 14226         | Flow-total    | AMD002   | ft3   | 25-Nov-25   | W09AMD0021-26  |
| 4            | 25762         | Flow-total    | AMD002   | ft3   | 04-Dec-25   | W10AMD0021-26  |
| 4            | 20134         | Flow-total    | AMD002   | ft3   | 11-Dec-25   | W11AMD0021-26  |
| 4            | 20171         | Flow-total    | AMD002   | ft3   | 18-Dec-25   | W12AMD0021-26  |
| 4            | 14255         | Flow-total    | AMD002   | ft3   | 23-Dec-25   | W13AMD0021-26  |
| 4            | 23008         | Flow-total    | AMD002   | ft3   | 31-Dec-25   | W14AMD0021-26  |
| <b>Total</b> | <b>278718</b> | <b>7898</b>   |          |       |             |                |
| 4            | 20152         | Flow-total    | AMD012   | ft3   | 02-Oct-25   | W01AMD0121-26  |
| 4            | 20676         | Flow-total    | AMD012   | ft3   | 09-Oct-25   | W02AMD0121-26  |
| 4            | 19629         | Flow-total    | AMD012   | ft3   | 16-Oct-25   | W03AMD0121-26  |
| 4            | 20111         | Flow-total    | AMD012   | ft3   | 23-Oct-25   | W04AMD0121-26  |
| 4            | 20201         | Flow-total    | AMD012   | ft3   | 30-Oct-25   | W05AMD0121-26  |
| 4            | 20518         | Flow-total    | AMD012   | ft3   | 06-Nov-25   | W06AMD0121-26  |
| 4            | 20047         | Flow-total    | AMD012   | ft3   | 13-Nov-25   | W07AMD0121-26  |
| 4            | 20267         | Flow-total    | AMD012   | ft3   | 20-Nov-25   | W08AMD0121-26  |
| 4            | 14265         | Flow-total    | AMD012   | ft3   | 25-Nov-25   | W09AMD0121-26  |
| 4            | 25830         | Flow-total    | AMD012   | ft3   | 04-Dec-25   | W10AMD0121-26  |
| 4            | 20179         | Flow-total    | AMD012   | ft3   | 11-Dec-25   | W11AMD0121-26  |
| 4            | 20228         | Flow-total    | AMD012   | ft3   | 18-Dec-25   | W12AMD0121-26  |
| 4            | 14254         | Flow-total    | AMD012   | ft3   | 23-Dec-25   | W13AMD0121-26  |
| 4            | 23005         | Flow-total    | AMD012   | ft3   | 31-Dec-25   | W14AMD0121-26  |
| <b>Total</b> | <b>279362</b> | <b>7917</b>   |          |       |             |                |
| 4            | 20115         | Flow-total    | AMD015   | ft3   | 02-Oct-25   | W01AMD0151-26  |
| 4            | 20696         | Flow-total    | AMD015   | ft3   | 09-Oct-25   | W02AMD0151-26  |
| 4            | 19498         | Flow-total    | AMD015   | ft3   | 16-Oct-25   | W03AMD0151-26  |
| 4            | 20069         | Flow-total    | AMD015   | ft3   | 23-Oct-25   | W04AMD0151-26  |
| 4            | 20153         | Flow-total    | AMD015   | ft3   | 30-Oct-25   | W05AMD0151-26  |
| 4            | 20249         | Flow-total    | AMD015   | ft3   | 06-Nov-25   | W06AMD0151-26  |
| 4            | 20197         | Flow-total    | AMD015   | ft3   | 13-Nov-25   | W07AMD0151-26  |
| 4            | 20224         | Flow-total    | AMD015   | ft3   | 20-Nov-25   | W08AMD0151-26  |
| 4            | 14309         | Flow-total    | AMD015   | ft3   | 25-Nov-25   | W09AMD0151-26  |
| 4            | 25678         | Flow-total    | AMD015   | ft3   | 04-Dec-25   | W10AMD0151-26  |
| 4            | 20117         | Flow-total    | AMD015   | ft3   | 11-Dec-25   | W11AMD0151-26  |
| 4            | 20167         | Flow-total    | AMD015   | ft3   | 18-Dec-25   | W12AMD0151-26  |
| 4            | 14274         | Flow-total    | AMD015   | ft3   | 23-Dec-25   | W13AMD0151-26  |
| 4            | 23001         | Flow-total    | AMD015   | ft3   | 31-Dec-25   | W14AMD0151-26  |
| <b>Total</b> | <b>278747</b> | <b>7899</b>   |          |       |             |                |
| 4            | 20095         | Flow-total    | AMD57    | ft3   | 02-Oct-25   | W01AMD571-26   |
| 4            | 20647         | Flow-total    | AMD57    | ft3   | 09-Oct-25   | W02AMD571-26   |
| 4            | 19534         | Flow-total    | AMD57    | ft3   | 16-Oct-25   | W03AMD571-26   |
| 4            | 20056         | Flow-total    | AMD57    | ft3   | 23-Oct-25   | W04AMD571-26   |
| 4            | 20145         | Flow-total    | AMD57    | ft3   | 30-Oct-25   | W05AMD571-26   |
| 4            | 20256         | Flow-total    | AMD57    | ft3   | 06-Nov-25   | W06AMD571-26   |
| 4            | 20182         | Flow-total    | AMD57    | ft3   | 13-Nov-25   | W07AMD571-26   |
| 4            | 20239         | Flow-total    | AMD57    | ft3   | 20-Nov-25   | W08AMD571-26   |
| 4            | 14224         | Flow-total    | AMD57    | ft3   | 25-Nov-25   | W09AMD571-26   |
| 4            | 25721         | Flow-total    | AMD57    | ft3   | 04-Dec-25   | W10AMD571-26   |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 4            | 20115         | Flow-total    | AMD57    | ft3   | 11-Dec-25   | W11AMD571-26   |
| 4            | 20168         | Flow-total    | AMD57    | ft3   | 18-Dec-25   | W12AMD571-26   |
| 4            | 14260         | Flow-total    | AMD57    | ft3   | 23-Dec-25   | W13AMD571-26   |
| 4            | 23003         | Flow-total    | AMD57    | ft3   | 31-Dec-25   | W14AMD571-26   |
| <b>Total</b> | <b>278645</b> | <b>7896</b>   |          |       |             |                |
| 4            | 20156         | Flow-total    | AMD612   | ft3   | 02-Oct-25   | W01AMD6121-26  |
| 4            | 20764         | Flow-total    | AMD612   | ft3   | 09-Oct-25   | W02AMD6121-26  |
| 4            | 19536         | Flow-total    | AMD612   | ft3   | 16-Oct-25   | W03AMD6121-26  |
| 4            | 20130         | Flow-total    | AMD612   | ft3   | 23-Oct-25   | W04AMD6121-26  |
| 4            | 20208         | Flow-total    | AMD612   | ft3   | 30-Oct-25   | W05AMD6121-26  |
| 4            | 20302         | Flow-total    | AMD612   | ft3   | 06-Nov-25   | W06AMD6121-26  |
| 4            | 20249         | Flow-total    | AMD612   | ft3   | 13-Nov-25   | W07AMD6121-26  |
| 4            | 20279         | Flow-total    | AMD612   | ft3   | 20-Nov-25   | W08AMD6121-26  |
| 4            | 14341         | Flow-total    | AMD612   | ft3   | 25-Nov-25   | W09AMD6121-26  |
| 4            | 25754         | Flow-total    | AMD612   | ft3   | 04-Dec-25   | W10AMD6121-26  |
| 4            | 20172         | Flow-total    | AMD612   | ft3   | 11-Dec-25   | W11AMD6121-26  |
| 4            | 20222         | Flow-total    | AMD612   | ft3   | 18-Dec-25   | W12AMD6121-26  |
| 4            | 14307         | Flow-total    | AMD612   | ft3   | 23-Dec-25   | W13AMD6121-26  |
| 4            | 23066         | Flow-total    | AMD612   | ft3   | 31-Dec-25   | W14AMD6121-26  |
| <b>Total</b> | <b>279486</b> | <b>7920</b>   |          |       |             |                |
| 4            | 20268         | Flow-total    | AMD746S  | ft3   | 02-Oct-25   | W01AMD746S1-26 |
| 4            | 20444         | Flow-total    | AMD746S  | ft3   | 09-Oct-25   | W02AMD746S1-26 |
| 4            | 19781         | Flow-total    | AMD746S  | ft3   | 16-Oct-25   | W03AMD746S1-26 |
| 4            | 20174         | Flow-total    | AMD746S  | ft3   | 23-Oct-25   | W04AMD746S1-26 |
| 4            | 20161         | Flow-total    | AMD746S  | ft3   | 30-Oct-25   | W05AMD746S1-26 |
| 4            | 20302         | Flow-total    | AMD746S  | ft3   | 06-Nov-25   | W06AMD746S1-26 |
| 4            | 20201         | Flow-total    | AMD746S  | ft3   | 13-Nov-25   | W07AMD746S1-26 |
| 4            | 20341         | Flow-total    | AMD746S  | ft3   | 20-Nov-25   | W08AMD746S1-26 |
| 4            | 14086         | Flow-total    | AMD746S  | ft3   | 25-Nov-25   | W09AMD746S1-26 |
| 4            | 25997         | Flow-total    | AMD746S  | ft3   | 04-Dec-25   | W10AMD746S1-26 |
| 4            | 20134         | Flow-total    | AMD746S  | ft3   | 11-Dec-25   | W11AMD746S1-26 |
| 4            | 20286         | Flow-total    | AMD746S  | ft3   | 18-Dec-25   | W12AMD746S1-26 |
| 4            | 14210         | Flow-total    | AMD746S  | ft3   | 23-Dec-25   | W13AMD746S1-26 |
| 4            | 23144         | Flow-total    | AMD746S  | ft3   | 31-Dec-25   | W14AMD746S1-26 |
| <b>Total</b> | <b>279529</b> | <b>7921</b>   |          |       |             |                |
| 4            | 20220         | Flow-total    | AMD746U  | ft3   | 02-Oct-25   | W01AMD746U1-26 |
| 4            | 20396         | Flow-total    | AMD746U  | ft3   | 09-Oct-25   | W02AMD746U1-26 |
| 4            | 19725         | Flow-total    | AMD746U  | ft3   | 16-Oct-25   | W03AMD746U1-26 |
| 4            | 20044         | Flow-total    | AMD746U  | ft3   | 23-Oct-25   | W04AMD746U1-26 |
| 4            | 20195         | Flow-total    | AMD746U  | ft3   | 30-Oct-25   | W05AMD746U1-26 |
| 4            | 20243         | Flow-total    | AMD746U  | ft3   | 06-Nov-25   | W06AMD746U1-26 |
| 4            | 20148         | Flow-total    | AMD746U  | ft3   | 13-Nov-25   | W07AMD746U1-26 |
| 4            | 20297         | Flow-total    | AMD746U  | ft3   | 20-Nov-25   | W08AMD746U1-26 |
| 4            | 14046         | Flow-total    | AMD746U  | ft3   | 25-Nov-25   | W09AMD746U1-26 |
| 4            | 25934         | Flow-total    | AMD746U  | ft3   | 04-Dec-25   | W10AMD746U1-26 |
| 4            | 20080         | Flow-total    | AMD746U  | ft3   | 11-Dec-25   | W11AMD746U1-26 |
| 4            | 20231         | Flow-total    | AMD746U  | ft3   | 18-Dec-25   | W12AMD746U1-26 |
| 4            | 14181         | Flow-total    | AMD746U  | ft3   | 23-Dec-25   | W13AMD746U1-26 |

**Table A.3. Weekly Flow Data (Continued)**

| QUARTER      | RESULTS       | CHEMICAL NAME | STA NAME | UNITS | D COLLECTED | PROJ SAMPLE ID |
|--------------|---------------|---------------|----------|-------|-------------|----------------|
| 4            | 23081         | Flow-total    | AMD746U  | ft3   | 31-Dec-25   | W14AMD746U1-26 |
| <b>Total</b> | <b>278821</b> | <b>7901</b>   |          |       |             |                |
| 4            | 20090         | Flow-total    | AMDBCP   | ft3   | 02-Oct-25   | W01AMDBCP1-26  |
| 4            | 20414         | Flow-total    | AMDBCP   | ft3   | 09-Oct-25   | W02AMDBCP1-26  |
| 4            | 19895         | Flow-total    | AMDBCP   | ft3   | 16-Oct-25   | W03AMDBCP1-26  |
| 4            | 20050         | Flow-total    | AMDBCP   | ft3   | 23-Oct-25   | W04AMDBCP1-26  |
| 4            | 19977         | Flow-total    | AMDBCP   | ft3   | 30-Oct-25   | W05AMDBCP1-26  |
| 4            | 20382         | Flow-total    | AMDBCP   | ft3   | 06-Nov-25   | W06AMDBCP1-26  |
| 4            | 20162         | Flow-total    | AMDBCP   | ft3   | 13-Nov-25   | W07AMDBCP1-26  |
| 4            | 20161         | Flow-total    | AMDBCP   | ft3   | 20-Nov-25   | W08AMDBCP1-26  |
| 4            | 14057         | Flow-total    | AMDBCP   | ft3   | 25-Nov-25   | W09AMDBCP1-26  |
| 4            | 25945         | Flow-total    | AMDBCP   | ft3   | 04-Dec-25   | W10AMDBCP1-26  |
| 4            | 20220         | Flow-total    | AMDBCP   | ft3   | 11-Dec-25   | W11AMDBCP1-26  |
| 4            | 20099         | Flow-total    | AMDBCP   | ft3   | 18-Dec-25   | W12AMDBCP1-26  |
| 4            | 14321         | Flow-total    | AMDBCP   | ft3   | 23-Dec-25   | W13AMDBCP1-26  |
| 4            | 22958         | Flow-total    | AMDBCP   | ft3   | 31-Dec-25   | W14AMDBCP1-26  |
| <b>Total</b> | <b>278731</b> | <b>7899</b>   |          |       |             |                |
| 4            | 20209         | Flow-total    | AMDNE    | ft3   | 02-Oct-25   | W01AMDNE1-26   |
| 4            | 20514         | Flow-total    | AMDNE    | ft3   | 09-Oct-25   | W02AMDNE1-26   |
| 4            | 19778         | Flow-total    | AMDNE    | ft3   | 16-Oct-25   | W03AMDNE1-26   |
| 4            | 20164         | Flow-total    | AMDNE    | ft3   | 23-Oct-25   | W04AMDNE1-26   |
| 4            | 20160         | Flow-total    | AMDNE    | ft3   | 30-Oct-25   | W05AMDNE1-26   |
| 4            | 20237         | Flow-total    | AMDNE    | ft3   | 06-Nov-25   | W06AMDNE1-26   |
| 4            | 20271         | Flow-total    | AMDNE    | ft3   | 13-Nov-25   | W07AMDNE1-26   |
| 4            | 20293         | Flow-total    | AMDNE    | ft3   | 20-Nov-25   | W08AMDNE1-26   |
| 4            | 14131         | Flow-total    | AMDNE    | ft3   | 25-Nov-25   | W09AMDNE1-26   |
| 4            | 25996         | Flow-total    | AMDNE    | ft3   | 04-Dec-25   | W10AMDNE1-26   |
| 4            | 20134         | Flow-total    | AMDNE    | ft3   | 11-Dec-25   | W11AMDNE1-26   |
| 4            | 20295         | Flow-total    | AMDNE    | ft3   | 18-Dec-25   | W12AMDNE1-26   |
| 4            | 14207         | Flow-total    | AMDNE    | ft3   | 23-Dec-25   | W13AMDNE1-26   |
| 4            | 23144         | Flow-total    | AMDNE    | ft3   | 31-Dec-25   | W14AMDNE1-26   |
| <b>Total</b> | <b>279533</b> | <b>7922</b>   |          |       |             |                |

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