Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

June 27, 2025

Ms. Denisse Diaz, Director
Air and Radiation Division
U.S. Environmental Protection Agency, Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303-3104

PPPO-02-10033319-25

Mr. Jonathan Edwards, Director
U.S. Environmental Protection Agency
Office of Radiation and Indoor Air
Headquarters 6608T
1200 Pennsylvania Avenue, Northwest
Washington, DC 20460

Mr. Michael Kennedy, Director
Division for Air Quality
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601-1403

Dear Ms. Diaz, Mr. Edwards, and Mr. Kennedy:

SUBMITTAL OF THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS ANNUAL REPORT FOR 2024 U.S. DEPARTMENT OF ENERGY RADIOLOGICAL EMISSIONS AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0392

Enclosed is the calendar year 2024 Annual National Emission Standards for Hazardous Air Pollutants report, required by Title 40, Code of Federal Regulations (CFR), Part 61, *National Emission Standards for Hazardous Air Pollutants,* Subpart H. This report summarizes airborne radionuclide emissions from the U.S. Department of Energy (DOE) Paducah Site. The total 2024 effective dose equivalent from DOE emissions was 0.00650 millirem (mrem). This is below the annual effective dose equivalent limit of 10 mrem per year established in 40 *CFR* § 61.92.

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

Sincerely,

APRIL LADD Digitally signed by APRIL LADD Date: 2025.06.27 10:38:07 -04'00'

April Ladd
Paducah Site Lead
Portsmouth/Paducah Project Office

Enclosures:
1. Certification Pages
2. *National Emission Standards for Hazardous Air Pollutants Annual Report for 2024 U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* FRNP-RPT-0392

cc w/enclosures:
abigail.parish@pppo.gov, PPPO
april.ladd@pppo.gov, PPPO
bruce.ford@pad.pppo.gov, FRNP
dennis.greene@pad.pppo.gov, FRNP
diaz.denisse@epa.gov, EPA
edwards.jonathan@epa.gov, EPA
frnpcorrespondence@pad.pppo.gov
jaime.morrow@pad.pppo.gov, FRNP
jennifer.blewett@pad.pppo.gov, FRNP
joel.bradburne@pppo.gov, PPPO
joshua.koster@pppo.gov, PPPO
katrina.hall@pad.pppo.gov, FRNP
marc.conrad@duf6.pppo.gov, MCS
michael.kennedy@ky.gov, KDEP
mike.golightly@pad.pppo.gov, SST
myrna.redfield@pad.pppo.gov, FRNP
pad.rmc@pad.pppo.gov
reinhard.knerr@pppo.gov, PPPO
stephen.skeens@duf6.pppo.gov, MCS
tom.carver@hq.doe.gov, EHSS-22
william.wessel@pppo.gov, PPPO

CERTIFICATION

Document Identification: ***National Emission Standards for Hazardous Air Pollutants Annual Report for 2024 U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant*, FRNP-RPT-0392**

This certification pertains to the following emission source:

Paducah Deactivation Project

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. (See 18 *U.S.C.* 1001)

MYRNA REDFIELD (Affiliate)
Digitally signed by MYRNA REDFIELD (Affiliate)
Date: 2025.06.25 14:34:11 -05'00'

Myrna E. Redfield, Program Manager
Four Rivers Nuclear Partnership, LLC

APRIL LADD
Digitally signed by APRIL LADD
Date: 2025.06.27 10:38:31 -04'00'

April Ladd, Paducah Site Lead
U.S. Department of Energy

CERTIFICATION

Document Identification: ***National Emission Standards for Hazardous Air Pollutants Annual Report for 2024 U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant*, FRNP-RPT-0392**

This certification pertains to the following emission source:

Depleted Uranium Hexafluoride Conversion Facility (MCS)

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment. (See 18 *U.S.C.* 1001)

MARC CONRAD (Affiliate)
Digitally signed by MARC CONRAD (Affiliate)
Date: 2025.06.25 14:32:05 -04'00'

Dutch Conrad, President and Project Manager
Mid-America Conversion Services, LLC

FRNP-RPT-0392

National Emission Standards for Hazardous Air Pollutants Annual Report for 2024 U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant

FOUR RIVERS NUCLEAR PARTNERSHIP, LLC

CLEARED FOR PUBLIC RELEASE

FRNP-RPT-0392

National Emission Standards for Hazardous Air Pollutants Annual Report for 2024 U.S. Department of Energy Radiological Emissions at the Paducah Gaseous Diffusion Plant

Date Issued—June 2025

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

CLEARED FOR PUBLIC RELEASE

THIS PAGE INTENTIONALLY LEFT BLANK

CONTENTS

THIS PAGE INTENTIONALLY LEFT BLANK

TABLES

FIGURE

THIS PAGE INTENTIONALLY LEFT BLANK

ACRONYMS

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

THIS PAGE INTENTIONALLY LEFT BLANK

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 (DUF_6) conversion facility, which began operation in 2011. The 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 0.00650 millirem (mrem) for calendar year 2024. This is below the annual EDE limit of 10 mrem per year set forth in 40 *CFR* § 61.92.

THIS PAGE INTENTIONALLY LEFT BLANK

1. FACILITY DESCRIPTION

Site Name: Paducah Site

Location: Paducah, Kentucky

Owner: U.S. Department of Energy
Portsmouth/Paducah Project Office
5501 Hobbs Road
Kevil, Kentucky 42053
April Ladd, Paducah Site Lead
(270) 441-6800

Operators: Four Rivers Nuclear Partnership, LLC
5511 Hobbs Road
Kevil, Kentucky 42053
Myrna Redfield, Program Manager
(270) 441-5113

Mid-America Conversion Services, LLC (Paducah Office)
5509 Hobbs Rd
Kevil, Kentucky 42053
Dutch Conrad, President and Project Manager
(859) 685-9272

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_6) conversion facility. The DUF_6 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 (U_3O_8)], which then is converted commercially to uranium hexafluoride (UF_6). The UF_6 then was sent to PGDP for enrichment. One by-product of the enrichment process is DUF_6, which is stored at PGDP. In 2011, DOE began operation of a facility to convert the stored DUF_6 to a more stable uranium oxide, primarily U_3O_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, UF_6 feed material was derived from recycled uranium (called "reactor tails") from government reactors; "work for others" material also was used intermittently; and 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 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 49 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 (2024) included conversion of 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_6 conversion facility has operated since 2011. The facility converts DUF_6 stored in cylinders to a more stable uranium oxide powder. The form of uranium oxide is primarily U_3O_8. 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_6 compressors are supplied with an intricate array of air pressures to minimize releases during seal failure. A seal failure allows UF_6 to enter the SX system. If UF_6 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_6 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)

4.3 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:

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

Where:

Q = Source inventory, curies
V = Volume of water treated, gallon (gal)
V_{cf} = Volume Conversion Factor (3.7854 liter (L)/gal)
$C_{onc-inf}$ = Tc-99 concentration, picocurie (pCi)/L
$C_{onc-eff}$ = Tc-99 concentration, pCi/L
R_{cf} = 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_s = Physical State Factor, dimensionless
C_f = 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 101,373,986 gal during calendar year 2024. 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 52,177,886 gal and 39,453,602 gal, respectively, during the 2024 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 determine the maximum amount of Tc-99 that could be released to the atmosphere in air emissions. Each treatment unit contributes a different portion of flow to the combined effluent; therefore, the amount of Tc-99 attributed to each system is based upon the percentage of flow attributed to the treatment unit. 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:

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

Where:

Q = Source inventory, curies
V = Volume of water treated, gal
V_{cf} = Volume Conversion Factor (3.7854 L/gal)
$C_{onc\text{-}inf}$ = Tc-99 concentration, pCi/L
$C_{onc\text{-}eff}$ = Tc-99 concentration, pCi/L
F = % of flow contribution
R_{cf} = 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_s = Physical State Factor, dimensionless
C_f = 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 2024, the Paducah Site had no unplanned airborne releases (see Section 8). Analyses of ambient air monitoring results for 2024 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 and Efficiencies

Emission Points	Type Control	Efficiency %
Group E C-310 Stack	Alumina Traps	90.0
Group F SX/WA Group	Alumina Traps	98.60
Northwest Plume Treatment System	Carbon	0
Northeast Plume Treatment Unit C-765	None	0
Northeast Plume Treatment Unit C-765-A	None	0
DUF_6 Conversion Facility	HEPA	99.90

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_6 Conversion Facility	2,143	2,849	3,516	2,143

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

Emission Points	Type	Height (m)	Diameter (m)	Gas Exit Velocity (m/s)	Gas Exit Temp. (°C)	Distance (m) & Direction to Maximally Exposed Individual for Each Source
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	1,571 SE
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_6 Conversion Facility	Point	52.43	1.07	16.19	20	2,143 SSW

Table 4. Radionuclide Materials and Emissions Data (Curies)

Nuclide	Group E C-310 Stack	Group F SX/WA	Northwest Plume	Northeast Plume C-765	Northeast Plume C-765-A	DUF_6 Conversion Facility	Total Site Emissions
U-234	5.00E-03	6.88E-08	0	0	0	1.18E-07	5.00E-03
U-235	1.62E-04	3.63E-09	0	0	0	5.39E-09	1.62E-04
U-238	6.50E-03	3.62E-08	0	0	0	2.89E-07	6.50E-03
Tc-99	0	3.58E-08	0	5.22E-06	0	0	5.25E-06
Th-230	0	1.48E-09	0	0	0	0	1.48E-09
Thorium-231	0	0	0	0	0	7.36E-08	7.36E-08
Thorium-234	0	0	0	0	0	6.72E-06	6.72E-06
Np-237	0	3.80E-10	0	0	0	0	3.80E-10
Pu-239	0	1.80E-11	0	0	0	0	1.80E-11
Protactinium-234m	0	0	0	0	0	6.72E-06	6.72E-06
Total Curies/ Year	1.17E-02	1.46E-07	0	5.22E-06	0	1.39E-05	1.17E-02

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. The 2024 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 2024 [154.31 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 2024 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.

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:	154.31 cm/year
Average air temperature:	16.5°C
Average mixing layer height:	542 m

Fraction of foodstuffs from (rural default values):

	Local Area	50-Mile Radius	Beyond 50 Miles
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

Emission Sources	EDE to the Maximum Exposed Individual for Each Source (mrem)	EDE to the Maximum Exposed Individual for the Plant (mrem)	Collective EDE to the 50-mile Population (person-rem)
Group E—C-310 Stack	6.50E-03	6.50E-03	7.33E-02
Group F—SX/WA Group	1.30E-07	1.00E-07	9.92E-07
Northwest Plume Treatment System	0.00E+00	0.00E+00	0.00E+00
Northeast Plume Treatment Unit C-765	2.60E-06	1.10E-06	1.43E-05
Northeast Plume Treatment Unit C-765-A	0.00E+00	0.00E+00	0.00E+00
DUF_6 Conversion Facility	2.60E-07	1.90E-07	3.05E-06
Total from All Sources		6.50E-03	7.33E-02

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 0.00650 mrem for calendar year 2024, as tabulated and summed in Table 5, was higher than in calendar year 2023. The higher emissions are attributed to the additional usage of the C-310 stack for wet air passivation.

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 0.0733 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 2024.

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, October 2019, 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 2024 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 2024. 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.

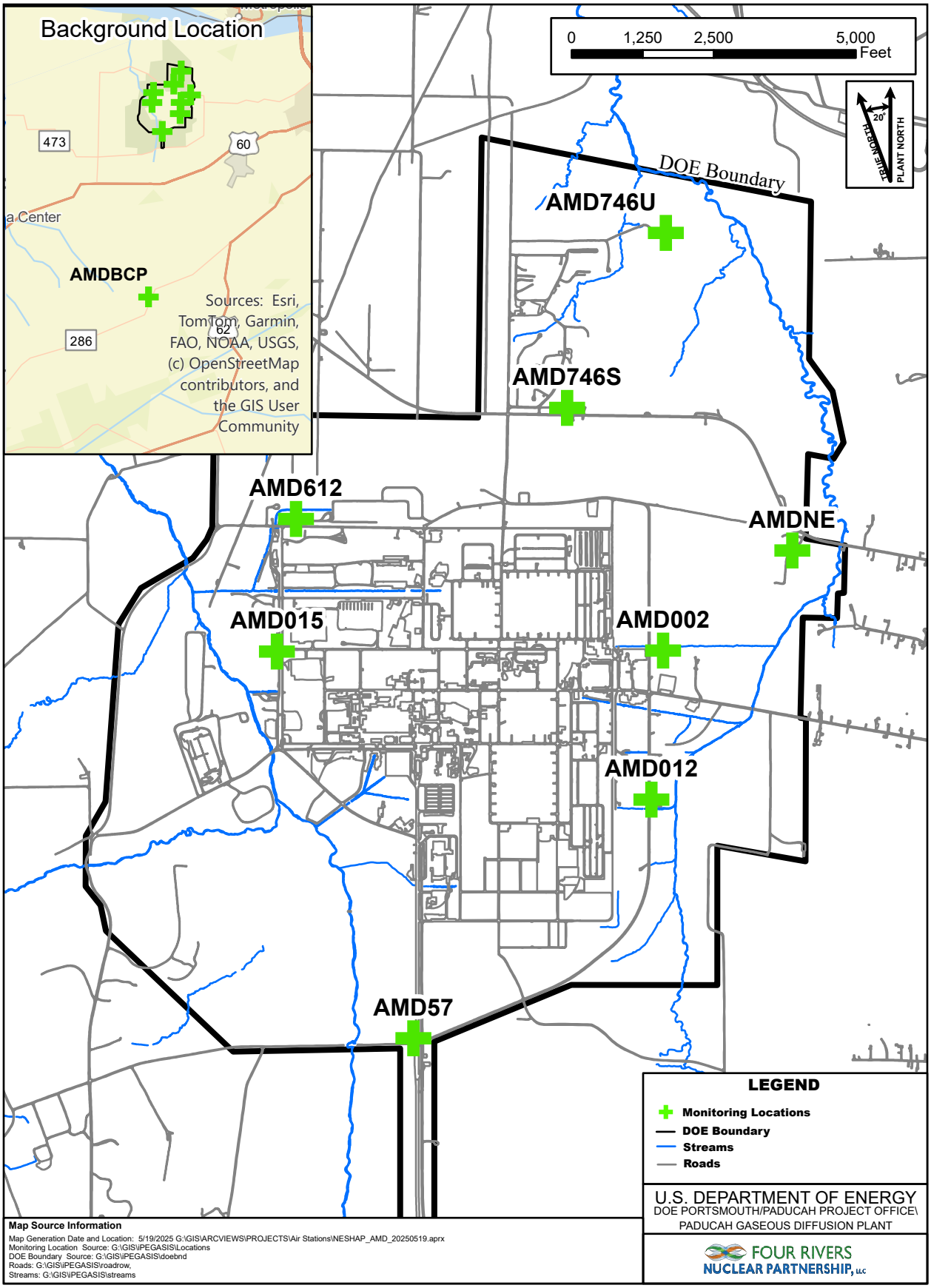

Figure 1. DOE Ambient Air Monitoring Stations

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.

THIS PAGE INTENTIONALLY LEFT BLANK

APPENDIX

AMBIENT AIR MONITORING DATA

THIS PAGE INTENTIONALLY LEFT BLANK

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										
	Quarter Air Flow	7329	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD002	Q2AMD0022-24	27-Mar-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD002	Q2AMD0022-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD002	Q2AMD0022-24	27-Mar-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD002	Q2AMD0022-24	27-Mar-24	Plutonium-239/240	0.678	pCi/Sample	9.25E-05	9.25E-17	2.00E-15	4.63E-02	U
AMD002	Q2AMD0022-24	27-Mar-24	Technetium-99	28.1	pCi/Sample	3.83E-03	3.83E-15	1.40E-13	2.74E-02	U
AMD002	Q2AMD0022-24	27-Mar-24	Thorium-234	14.1	pCi/sample	1.92E-03	1.92E-15	2.20E-12	8.74E-04	U
AMD002	Q2AMD0022-24	27-Mar-24	**Uranium-234**	**1.96**	pCi/Sample	2.67E-04	2.67E-16	7.70E-15	3.47E-02	
AMD002	Q2AMD0022-24	27-Mar-24	Uranium-235	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD002	Q2AMD0022-24	27-Mar-24	**Uranium-238**	**1.6**	pCi/Sample	2.18E-04	2.18E-16	8.30E-15	2.63E-02	
								Sum of the Fractions of the Standard	1.36E-01	
	Quarter Air Flow	7314	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD012	Q2AMD0122-24	27-Mar-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD012	Q2AMD0122-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD012	Q2AMD0122-24	27-Mar-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD012	Q2AMD0122-24	27-Mar-24	Plutonium-239/240*	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD012	Q2AMD0122-24	27-Mar-24	**Technetium-99**	**56.5**	pCi/sample	7.72E-03	7.72E-15	1.40E-13	5.52E-02	
AMD012	Q2AMD0122-24	27-Mar-24	Thorium-234	4.978	pCi/sample	6.81E-04	6.81E-16	2.20E-12	3.09E-04	U
AMD012	Q2AMD0122-24	27-Mar-24	Uranium-234	0.991	pCi/sample	1.35E-04	1.35E-16	7.70E-15	1.76E-02	U
AMD012	Q2AMD0122-24	27-Mar-24	Uranium-235*	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD012	Q2AMD0122-24	27-Mar-24	**Uranium-238**	**1.46**	pCi/sample	2.00E-04	2.00E-16	8.30E-15	2.41E-02	
								Sum of the Fractions of the Standard	9.71E-02	
	Quarter Air Flow	7315	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD015	Q2AMD0152-24	27-Mar-24	Americium-241	0.031	pCi/sample	4.24E-06	4.24E-18	1.90E-15	2.23E-03	U
AMD015	Q2AMD0152-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD015	Q2AMD0152-24	27-Mar-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD015	Q2AMD0152-24	27-Mar-24	Plutonium-239/240*	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD015	Q2AMD0152-24	27-Mar-24	Technetium-99*	0	pCi/sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD015	Q2AMD0152-24	27-Mar-24	Thorium-234	8.94	pCi/sample	1.22E-03	1.22E-15	2.20E-12	5.56E-04	U
AMD015	Q2AMD0152-24	27-Mar-24	**Uranium-234**	**2.04**	pCi/sample	2.79E-04	2.79E-16	7.70E-15	3.62E-02	
AMD015	Q2AMD0152-24	27-Mar-24	Uranium-235	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD015	Q2AMD0152-24	27-Mar-24	**Uranium-238**	**1.29**	pCi/sample	1.76E-04	1.76E-16	8.30E-15	2.12E-02	
								Sum of the Fractions of the Standard	6.03E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7317	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD57	Q2AMD572-24	27-Mar-24	Americium-241	0.296	pCi/sample	4.05E-05	4.05E-17	1.90E-15	2.13E-02	U
AMD57	Q2AMD572-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD57	Q2AMD572-24	27-Mar-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD57	Q2AMD572-24	27-Mar-24	Plutonium-239/240	0.106	pCi/sample	1.45E-05	1.45E-17	2.00E-15	7.24E-03	U
AMD57	Q2AMD572-24	27-Mar-24	Technetium-99	16.6	pCi/sample	2.27E-03	2.27E-15	1.40E-13	1.62E-02	U
AMD57	Q2AMD572-24	27-Mar-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD57	Q2AMD572-24	27-Mar-24	**Uranium-234**	**1.39**	pCi/sample	1.90E-04	1.90E-16	7.70E-15	2.47E-02	
AMD57	Q2AMD572-24	27-Mar-24	Uranium-235	0.105	pCi/sample	1.44E-05	1.44E-17	7.10E-15	2.02E-03	U
AMD57	Q2AMD572-24	27-Mar-24	**Uranium-238**	**1.09**	pCi/sample	1.49E-04	1.49E-16	8.30E-15	1.79E-02	
								Sum of the Fractions of the Standard	8.94E-02	
	Quarter Air Flow	7300	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD612	Q2AMD6122-24	27-Mar-24	Americium-241	0.03	pCi/sample	4.11E-06	4.11E-18	1.90E-15	2.16E-03	U
AMD612	Q2AMD6122-24	27-Mar-24	Neptunium-237	0.0142	pCi/sample	1.95E-06	1.95E-18	1.20E-15	1.62E-03	U
AMD612	Q2AMD6122-24	27-Mar-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD612	Q2AMD6122-24	27-Mar-24	Plutonium-239/240	0.291	pCi/sample	3.99E-05	3.99E-17	2.00E-15	1.99E-02	U
AMD612	Q2AMD6122-24	27-Mar-24	Technetium-99	40.2	pCi/sample	5.51E-03	5.51E-15	1.40E-13	3.93E-02	U
AMD612	Q2AMD6122-24	27-Mar-24	Thorium-234	0.411	pCi/sample	5.63E-05	5.63E-17	2.20E-12	2.56E-05	U
AMD612	Q2AMD6122-24	27-Mar-24	**Uranium-234**	**1.32**	pCi/sample	1.81E-04	1.81E-16	7.70E-15	2.35E-02	
AMD612	Q2AMD6122-24	27-Mar-24	Uranium-235*	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD612	Q2AMD6122-24	27-Mar-24	**Uranium-238**	**0.979**	pCi/sample	1.34E-04	1.34E-16	8.30E-15	1.62E-02	
								Sum of the Fractions of the Standard	1.03E-01	
	Quarter Air Flow	7311	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746S	Q2AMD746S2-24	27-Mar-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	Plutonium-239/240	0.16	pCi/sample	2.19E-05	2.19E-17	2.00E-15	1.09E-02	U
AMD746S	Q2AMD746S2-24	27-Mar-24	Technetium-99*	0	pCi/sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	**Uranium-234**	**1.48**	pCi/sample	2.02E-04	2.02E-16	7.70E-15	2.63E-02	
AMD746S	Q2AMD746S2-24	27-Mar-24	Uranium-235	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD746S	Q2AMD746S2-24	27-Mar-24	**Uranium-238**	**2.07**	pCi/sample	2.83E-04	2.83E-16	8.30E-15	3.41E-02	
								Sum of the Fractions of the Standard	7.13E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7331	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746U	Q2AMD746U2-24	27-Mar-24	Americium-241	0.0592	pCi/sample	8.08E-06	8.08E-18	1.90E-15	4.25E-03	U
AMD746U	Q2AMD746U2-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746U	Q2AMD746U2-24	27-Mar-24	Plutonium-238	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD746U	Q2AMD746U2-24	27-Mar-24	Plutonium-239/240	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD746U	Q2AMD746U2-24	27-Mar-24	Technetium-99*	0	pCi/sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD746U	Q2AMD746U2-24	27-Mar-24	Thorium-234	24.6	pCi/sample	3.36E-03	3.36E-15	2.20E-12	1.53E-03	U
AMD746U	Q2AMD746U2-24	27-Mar-24	**Uranium-234**	**1.18**	pCi/sample	1.61E-04	1.61E-16	7.70E-15	2.09E-02	
AMD746U	Q2AMD746U2-24	27-Mar-24	Uranium-235	0.0745	pCi/sample	1.02E-05	1.02E-17	7.10E-15	1.43E-03	U
AMD746U	Q2AMD746U2-24	27-Mar-24	**Uranium-238**	**1.68**	pCi/sample	2.29E-04	2.29E-16	8.30E-15	2.76E-02	
								Sum of the Fractions of the Standard	5.57E-02	
	Quarter Air Flow	7317	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Americium-241	0.114	pCi/sample	1.56E-05	1.56E-17	1.90E-15	8.20E-03	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Plutonium-238	0.0341	pCi/sample	4.66E-06	4.66E-18	2.10E-15	2.22E-03	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Plutonium-239/240*	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Technetium-99*	0	pCi/sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	**Uranium-234**	**1.47**	pCi/sample	2.01E-04	2.01E-16	7.70E-15	2.61E-02	
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Uranium-235	0.0721	pCi/sample	9.85E-06	9.85E-18	7.10E-15	1.39E-03	U
AMDBCP	Q2AMDBCP2-24	27-Mar-24	Uranium-238	0.565	pCi/sample	7.72E-05	7.72E-17	8.30E-15	9.30E-03	U
								Sum of the Fractions of the Standard	4.72E-02	
	Quarter Air Flow	7306	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDNE	Q2AMDNE2-24	27-Mar-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMDNE	Q2AMDNE2-24	27-Mar-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDNE	Q2AMDNE2-24	27-Mar-24	Plutonium-238	0.0865	pCi/sample	1.18E-05	1.18E-17	2.10E-15	5.64E-03	U
AMDNE	Q2AMDNE2-24	27-Mar-24	Plutonium-239/240	0.0318	pCi/sample	4.35E-06	4.35E-18	2.00E-15	2.18E-03	U
AMDNE	Q2AMDNE2-24	27-Mar-24	Technetium-99*	0	pCi/sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMDNE	Q2AMDNE2-24	27-Mar-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMDNE	Q2AMDNE2-24	27-Mar-24	**Uranium-234**	**2.04**	pCi/sample	2.79E-04	2.79E-16	7.70E-15	3.63E-02	
AMDNE	Q2AMDNE2-24	27-Mar-24	Uranium-235	0.172	pCi/sample	2.35E-05	2.35E-17	7.10E-15	3.32E-03	U
AMDNE	Q2AMDNE2-24	27-Mar-24	**Uranium-238**	**1.81**	pCi/sample	2.48E-04	2.48E-16	8.30E-15	2.98E-02	
								Sum of the Fractions of the Standard	7.72E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7512	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD002	Q3AMD0023-24	30-Jun-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD002	Q3AMD0023-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD002	Q3AMD0023-24	30-Jun-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD002	Q3AMD0023-24	30-Jun-24	Plutonium-239/240	0.0639	pCi/Sample	8.51E-06	8.51E-18	2.00E-15	4.25E-03	U
AMD002	Q3AMD0023-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD002	Q3AMD0023-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD002	Q3AMD0023-24	30-Jun-24	**Uranium-234**	**1.26**	pCi/Sample	1.68E-04	1.68E-16	7.70E-15	2.18E-02	
AMD002	Q3AMD0023-24	30-Jun-24	Uranium-235	0.0807	pCi/Sample	1.07E-05	1.07E-17	7.10E-15	1.51E-03	U
AMD002	Q3AMD0023-24	30-Jun-24	**Uranium-238**	**1.32**	pCi/Sample	1.76E-04	1.76E-16	8.30E-15	2.12E-02	
								Sum of the Fractions of the Standard	4.87E-02	
	Quarter Air Flow	7489	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD012	Q3AMD0123-24	30-Jun-24	Americium-241	0.0519	pCi/sample	6.93E-06	6.93E-18	1.90E-15	3.65E-03	U
AMD012	Q3AMD0123-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD012	Q3AMD0123-24	30-Jun-24	Plutonium-238	0.105	pCi/Sample	1.40E-05	1.40E-17	2.10E-15	6.68E-03	U
AMD012	Q3AMD0123-24	30-Jun-24	Plutonium-239/240	0.462	pCi/Sample	6.17E-05	6.17E-17	2.00E-15	3.08E-02	U
AMD012	Q3AMD0123-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD012	Q3AMD0123-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD012	Q3AMD0123-24	30-Jun-24	Uranium-234	1.13	pCi/Sample	1.51E-04	1.51E-16	7.70E-15	1.96E-02	U
AMD012	Q3AMD0123-24	30-Jun-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD012	Q3AMD0123-24	30-Jun-24	**Uranium-238**	**1.3**	pCi/sample	1.74E-04	1.74E-16	8.30E-15	2.09E-02	
								Sum of the Fractions of the Standard	8.17E-02	
	Quarter Air Flow	7494	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD015	Q3AMD0153-24	30-Jun-24	Americium-241	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD015	Q3AMD0153-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD015	Q3AMD0153-24	30-Jun-24	Plutonium-238	0.0325	pCi/Sample	4.34E-06	4.34E-18	2.10E-15	2.07E-03	U
AMD015	Q3AMD0153-24	30-Jun-24	Plutonium-239/240	0.204	pCi/Sample	2.72E-05	2.72E-17	2.00E-15	1.36E-02	U
AMD015	Q3AMD0153-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD015	Q3AMD0153-24	30-Jun-24	Thorium-234	5.13	pCi/sample	6.85E-04	6.85E-16	2.20E-12	3.11E-04	U
AMD015	Q3AMD0153-24	30-Jun-24	Uranium-234	0.944	pCi/Sample	1.26E-04	1.26E-16	7.70E-15	1.64E-02	U
AMD015	Q3AMD0153-24	30-Jun-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD015	Q3AMD0153-24	30-Jun-24	**Uranium-238**	**1.51**	pCi/Sample	2.01E-04	2.01E-16	8.30E-15	2.43E-02	
								Sum of the Fractions of the Standard	5.66E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7488	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD57	Q3AMD573-24	30-Jun-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	**Uranium-234**	**1.77**	pCi/Sample	2.36E-04	2.36E-16	7.70E-15	3.07E-02	
AMD57	Q3AMD573-24	30-Jun-24	Uranium-235	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD57	Q3AMD573-24	30-Jun-24	**Uranium-238**	**1.41**	pCi/Sample	1.88E-04	1.88E-16	8.30E-15	2.27E-02	
								Sum of the Fractions of the Standard	5.34E-02	
	Quarter Air Flow	7100	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD612	Q3AMD6123-24	30-Jun-24	Americium-241	0.392	pCi/sample	5.52E-05	5.52E-17	1.90E-15	2.91E-02	U
AMD612	Q3AMD6123-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD612	Q3AMD6123-24	30-Jun-24	Plutonium-238	0.252	pCi/Sample	3.55E-05	3.55E-17	2.10E-15	1.69E-02	U
AMD612	Q3AMD6123-24	30-Jun-24	Plutonium-239/240	0.0619	pCi/Sample	8.72E-06	8.72E-18	2.00E-15	4.36E-03	U
AMD612	Q3AMD6123-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD612	Q3AMD6123-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD612	Q3AMD6123-24	30-Jun-24	Uranium-234	1.04	pCi/Sample	1.46E-04	1.46E-16	7.70E-15	1.90E-02	U
AMD612	Q3AMD6123-24	30-Jun-24	Uranium-235	0.151	pCi/Sample	2.13E-05	2.13E-17	7.10E-15	3.00E-03	U
AMD612	Q3AMD6123-24	30-Jun-24	**Uranium-238**	**1.63**	pCi/Sample	2.30E-04	2.30E-16	8.30E-15	2.77E-02	
								Sum of the Fractions of the Standard	1.00E-01	
	Quarter Air Flow	7490	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746S	Q3AMD746S3-24	30-Jun-24	Americium-241	0.343	pCi/sample	4.58E-05	4.58E-17	1.90E-15	2.41E-02	U
AMD746S	Q3AMD746S3-24	30-Jun-24	Neptunium-237	0.449	pCi/sample	5.99E-05	5.99E-17	1.20E-15	5.00E-02	U
AMD746S	Q3AMD746S3-24	30-Jun-24	Plutonium-238	0.0604	pCi/Sample	8.06E-06	8.06E-18	2.10E-15	3.84E-03	U
AMD746S	Q3AMD746S3-24	30-Jun-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD746S	Q3AMD746S3-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD746S	Q3AMD746S3-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD746S	Q3AMD746S3-24	30-Jun-24	**Uranium-234**	**1.9**	pCi/Sample	2.54E-04	2.54E-16	7.70E-15	3.29E-02	
AMD746S	Q3AMD746S3-24	30-Jun-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD746S	Q3AMD746S3-24	30-Jun-24	**Uranium-238**	**1.67**	pCi/Sample	2.23E-04	2.23E-16	8.30E-15	2.69E-02	
								Sum of the Fractions of the Standard	1.38E-01	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7509	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746U	Q3AMD746U3-24	30-Jun-24	Americium-241	0.0322	pCi/sample	4.29E-06	4.29E-18	1.90E-15	2.26E-03	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Neptunium-237	0.207	pCi/sample	2.76E-05	2.76E-17	1.20E-15	2.30E-02	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Plutonium-238	0.296	pCi/Sample	3.94E-05	3.94E-17	2.10E-15	1.88E-02	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD746U	Q3AMD746U3-24	30-Jun-24	**Uranium-234**	**2.14**	pCi/Sample	2.85E-04	2.85E-16	7.70E-15	3.70E-02	
AMD746U	Q3AMD746U3-24	30-Jun-24	Uranium-235	0.26	pCi/Sample	3.46E-05	3.46E-17	7.10E-15	4.88E-03	U
AMD746U	Q3AMD746U3-24	30-Jun-24	Uranium-238	0.937	pCi/Sample	1.25E-04	1.25E-16	8.30E-15	1.50E-02	U
								Sum of the Fractions of the Standard	1.01E-01	
	Quarter Air Flow	7496	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Americium-241	0.498	pCi/sample	6.64E-05	6.64E-17	1.90E-15	3.50E-02	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Plutonium-239/240	0.45	pCi/Sample	6.00E-05	6.00E-17	2.00E-15	3.00E-02	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Thorium-234	4.52	pCi/sample	6.03E-04	6.03E-16	2.20E-12	2.74E-04	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Uranium-234	0.769	pCi/Sample	1.03E-04	1.03E-16	7.70E-15	1.33E-02	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMDBCP	Q3AMDBCP3-24	30-Jun-24	Uranium-238	2.29	pCi/Sample	3.05E-04	3.05E-16	8.30E-15	3.68E-02	U
								Sum of the Fractions of the Standard	1.15E-01	
	Quarter Air Flow	7487	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDNE	Q3AMDNE3-24	30-Jun-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	Neptunium-237	0.777	pCi/sample	1.04E-04	1.04E-16	1.20E-15	8.65E-02	U
AMDNE	Q3AMDNE3-24	30-Jun-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	**Uranium-234**	**1.35**	pCi/Sample	1.80E-04	1.80E-16	7.70E-15	2.34E-02	
AMDNE	Q3AMDNE3-24	30-Jun-24	Uranium-235	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMDNE	Q3AMDNE3-24	30-Jun-24	**Uranium-238**	**1.19**	pCi/Sample	1.59E-04	1.59E-16	8.30E-15	1.91E-02	
								Sum of the Fractions of the Standard	1.29E-01	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7413	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD002	Q4AMD0024-24	30-Sep-24	Americium-241	0.113	pCi/sample	1.52E-05	1.52E-17	1.90E-15	8.02E-03	U
AMD002	Q4AMD0024-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD002	Q4AMD0024-24	30-Sep-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD002	Q4AMD0024-24	30-Sep-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD002	Q4AMD0024-24	30-Sep-24	Technetium-99	15.7	pCi/Sample	2.12E-03	2.12E-15	1.40E-13	1.51E-02	U
AMD002	Q4AMD0024-24	30-Sep-24	Thorium-234	35.3	pCi/sample	4.76E-03	4.76E-15	2.20E-12	2.16E-03	U
AMD002	Q4AMD0024-24	30-Sep-24	**Uranium-234**	**2.45**	pCi/Sample	3.31E-04	3.31E-16	7.70E-15	4.29E-02	
AMD002	Q4AMD0024-24	30-Sep-24	Uranium-235	0.353	pCi/Sample	4.76E-05	4.76E-17	7.10E-15	6.71E-03	U
AMD002	Q4AMD0024-24	30-Sep-24	**Uranium-238**	**1.96**	pCi/Sample	2.64E-04	2.64E-16	8.30E-15	3.19E-02	
								Sum of the Fractions of the Standard	1.07E-01	
	Quarter Air Flow	7413	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD012	Q4AMD0124-24	30-Sep-24	Americium-241	0.18	pCi/sample	2.43E-05	2.43E-17	1.90E-15	1.28E-02	U
AMD012	Q4AMD0124-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD012	Q4AMD0124-24	30-Sep-24	Plutonium-238	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD012	Q4AMD0124-24	30-Sep-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD012	Q4AMD0124-24	30-Sep-24	Technetium-99	5.04	pCi/Sample	6.80E-04	6.80E-16	1.40E-13	4.86E-03	U
AMD012	Q4AMD0124-24	30-Sep-24	Thorium-234	6.44	pCi/sample	8.69E-04	8.69E-16	2.20E-12	3.95E-04	U
AMD012	Q4AMD0124-24	30-Sep-24	Uranium-234	0.562	pCi/Sample	7.58E-05	7.58E-17	7.70E-15	9.85E-03	U
AMD012	Q4AMD0124-24	30-Sep-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD012	Q4AMD0124-24	30-Sep-24	**Uranium-238**	**1.8**	pCi/Sample	2.43E-04	2.43E-16	8.30E-15	2.93E-02	
								Sum of the Fractions of the Standard	5.71E-02	
	Quarter Air Flow	7409	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD015	Q4AMD0154-24	30-Sep-24	Americium-241	0.23	pCi/sample	3.10E-05	3.10E-17	1.90E-15	1.63E-02	U
AMD015	Q4AMD0154-24	30-Sep-24	Neptunium-237	0.0113	pCi/sample	1.53E-06	1.53E-18	1.20E-15	1.27E-03	U
AMD015	Q4AMD0154-24	30-Sep-24	Plutonium-238	0.101	pCi/Sample	1.36E-05	1.36E-17	2.10E-15	6.49E-03	U
AMD015	Q4AMD0154-24	30-Sep-24	Plutonium-239/240	0.103	pCi/Sample	1.39E-05	1.39E-17	2.00E-15	6.95E-03	U
AMD015	Q4AMD0154-24	30-Sep-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD015	Q4AMD0154-24	30-Sep-24	Thorium-234	1.91	pCi/sample	2.58E-04	2.58E-16	2.20E-12	1.17E-04	U
AMD015	Q4AMD0154-24	30-Sep-24	**Uranium-234**	**1.35**	pCi/Sample	1.82E-04	1.82E-16	7.70E-15	2.37E-02	
AMD015	Q4AMD0154-24	30-Sep-24	Uranium-235	0.118	pCi/Sample	1.59E-05	1.59E-17	7.10E-15	2.24E-03	U
AMD015	Q4AMD0154-24	30-Sep-24	**Uranium-238**	**1.62**	pCi/Sample	2.19E-04	2.19E-16	8.30E-15	2.63E-02	
								Sum of the Fractions of the Standard	8.34E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
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	7412	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD57	Q4AMD574-24	30-Sep-24	Americium-241	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD57	Q4AMD574-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD57	Q4AMD574-24	30-Sep-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD57	Q4AMD574-24	30-Sep-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD57	Q4AMD574-24	30-Sep-24	Technetium-99	17.1	pCi/Sample	2.31E-03	2.31E-15	1.40E-13	1.65E-02	U
AMD57	Q4AMD574-24	30-Sep-24	Thorium-234	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	UX
AMD57	Q4AMD574-24	30-Sep-24	**Uranium-234**	**2.18**	pCi/Sample	2.94E-04	2.94E-16	7.70E-15	3.82E-02	
AMD57	Q4AMD574-24	30-Sep-24	Uranium-235	0.0755	pCi/Sample	1.02E-05	1.02E-17	7.10E-15	1.43E-03	U
AMD57	Q4AMD574-24	30-Sep-24	**Uranium-238**	**1.4**	pCi/Sample	1.89E-04	1.89E-16	8.30E-15	2.28E-02	
								Sum of the Fractions of the Standard	7.89E-02	
	Quarter Air Flow	7423	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD612	Q4AMD6124-24	30-Sep-24	Americium-241	0.282	pCi/sample	3.80E-05	3.80E-17	1.90E-15	2.00E-02	U
AMD612	Q4AMD6124-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD612	Q4AMD6124-24	30-Sep-24	Plutonium-238	0.146	pCi/Sample	1.97E-05	1.97E-17	2.10E-15	9.37E-03	U
AMD612	Q4AMD6124-24	30-Sep-24	Plutonium-239/240	0.394	pCi/Sample	5.31E-05	5.31E-17	2.00E-15	2.65E-02	U
AMD612	Q4AMD6124-24	30-Sep-24	Technetium-99	14.3	pCi/Sample	1.93E-03	1.93E-15	1.40E-13	1.38E-02	U
AMD612	Q4AMD6124-24	30-Sep-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD612	Q4AMD6124-24	30-Sep-24	**Uranium-234**	**1.96**	pCi/Sample	2.64E-04	2.64E-16	7.70E-15	3.43E-02	
AMD612	Q4AMD6124-24	30-Sep-24	Uranium-235	0.158	pCi/Sample	2.13E-05	2.13E-17	7.10E-15	3.00E-03	U
AMD612	Q4AMD6124-24	30-Sep-24	**Uranium-238**	**1.88**	pCi/Sample	2.53E-04	2.53E-16	8.30E-15	3.05E-02	
								Sum of the Fractions of the Standard	1.37E-01	
	Quarter Air Flow	7435	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746S	Q4AMD746S4-24	30-Sep-24	Americium-241	0.0769	pCi/sample	1.03E-05	1.03E-17	1.90E-15	5.44E-03	U
AMD746S	Q4AMD746S4-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746S	Q4AMD746S4-24	30-Sep-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD746S	Q4AMD746S4-24	30-Sep-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD746S	Q4AMD746S4-24	30-Sep-24	Technetium-99	21	pCi/Sample	2.82E-03	2.82E-15	1.40E-13	2.02E-02	U
AMD746S	Q4AMD746S4-24	30-Sep-24	Thorium-234	10.7	pCi/sample	1.44E-03	1.44E-15	2.20E-12	6.54E-04	U
AMD746S	Q4AMD746S4-24	30-Sep-24	**Uranium-234**	**1.59**	pCi/Sample	2.14E-04	2.14E-16	7.70E-15	2.78E-02	
AMD746S	Q4AMD746S4-24	30-Sep-24	Uranium-235	0.143	pCi/Sample	1.92E-05	1.92E-17	7.10E-15	2.71E-03	U
AMD746S	Q4AMD746S4-24	30-Sep-24	**Uranium-238**	**2.17**	pCi/Sample	2.92E-04	2.92E-16	8.30E-15	3.52E-02	
								Sum of the Fractions of the Standard	9.19E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
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	7410	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746U	Q4AMD746U4-24	30-Sep-24	Americium-241	0.133	pCi/sample	1.79E-05	1.79E-17	1.90E-15	9.45E-03	U
AMD746U	Q4AMD746U4-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746U	Q4AMD746U4-24	30-Sep-24	Plutonium-238	0.0605	pCi/Sample	8.16E-06	8.16E-18	2.10E-15	3.89E-03	U
AMD746U	Q4AMD746U4-24	30-Sep-24	Plutonium-239/240	0.0785	pCi/Sample	1.06E-05	1.06E-17	2.00E-15	5.30E-03	U
AMD746U	Q4AMD746U4-24	30-Sep-24	Technetium-99*	0	pCi/Sample	0.00E+00	0.00E+00	1.40E-13	0.00E+00	U
AMD746U	Q4AMD746U4-24	30-Sep-24	Thorium-234	29.9	pCi/sample	4.04E-03	4.04E-15	2.20E-12	1.83E-03	U
AMD746U	Q4AMD746U4-24	30-Sep-24	**Uranium-234**	**1.06**	pCi/Sample	1.43E-04	1.43E-16	7.70E-15	1.86E-02	
AMD746U	Q4AMD746U4-24	30-Sep-24	Uranium-235*	0	pCi/Sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD746U	Q4AMD746U4-24	30-Sep-24	**Uranium-238**	**2.42**	pCi/Sample	3.27E-04	3.27E-16	8.30E-15	3.93E-02	
							Sum of the Fractions of the Standard		7.84E-02	
	Quarter Air Flow	7436	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Americium-241	0.0995	pCi/sample	1.34E-05	1.34E-17	1.90E-15	7.04E-03	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Plutonium-238*	0	pCi/Sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Plutonium-239/240*	0	pCi/Sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Technetium-99	24.8	pCi/Sample	3.34E-03	3.34E-15	1.40E-13	2.38E-02	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Thorium-234	10.6	pCi/sample	1.43E-03	1.43E-15	2.20E-12	6.48E-04	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	**Uranium-234**	**0.884**	pCi/Sample	1.19E-04	1.19E-16	7.70E-15	1.54E-02	
AMDBCP	Q4AMDBCP4-24	30-Sep-24	Uranium-235	0.214	pCi/Sample	2.88E-05	2.88E-17	7.10E-15	4.05E-03	U
AMDBCP	Q4AMDBCP4-24	30-Sep-24	**Uranium-238**	**1.32**	pCi/Sample	1.78E-04	1.78E-16	8.30E-15	2.14E-02	
							Sum of the Fractions of the Standard		7.24E-02	
	Quarter Air Flow	7411	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDNE	Q4AMDNE4-24	30-Sep-24	Americium-241	0.0241	pCi/sample	3.25E-06	3.25E-18	1.90E-15	1.71E-03	U
AMDNE	Q4AMDNE4-24	30-Sep-24	Neptunium-237	0.0102	pCi/sample	1.38E-06	1.38E-18	1.20E-15	1.15E-03	U
AMDNE	Q4AMDNE4-24	30-Sep-24	Plutonium-238	0.0534	pCi/Sample	7.21E-06	7.21E-18	2.10E-15	3.43E-03	U
AMDNE	Q4AMDNE4-24	30-Sep-24	Plutonium-239/240	0.0041	pCi/Sample	5.53E-07	5.53E-19	2.00E-15	2.77E-04	U
AMDNE	Q4AMDNE4-24	30-Sep-24	Technetium-99	20.1	pCi/Sample	2.71E-03	2.71E-15	1.40E-13	1.94E-02	U
AMDNE	Q4AMDNE4-24	30-Sep-24	Thorium-234	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	UX
AMDNE	Q4AMDNE4-24	30-Sep-24	**Uranium-234**	**1.76**	pCi/Sample	2.37E-04	2.37E-16	7.70E-15	3.08E-02	
AMDNE	Q4AMDNE4-24	30-Sep-24	Uranium-235	0.154	pCi/Sample	2.08E-05	2.08E-17	7.10E-15	2.93E-03	U
AMDNE	Q4AMDNE4-24	30-Sep-24	**Uranium-238**	**1.34**	pCi/Sample	1.81E-04	1.81E-16	8.30E-15	2.18E-02	
							Sum of the Fractions of the Standard		8.15E-02	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
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	7391	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD002	Q1AMD0021-25	31-Dec-24	Americium-241	0.0831	pCi/sample	1.12E-05	1.12E-17	1.90E-15	5.92E-03	U
AMD002	Q1AMD0021-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD002	Q1AMD0021-25	31-Dec-24	Plutonium-238	0.146	pCi/sample	1.98E-05	1.98E-17	2.10E-15	9.41E-03	U
AMD002	Q1AMD0021-25	31-Dec-24	Plutonium-239/240	0.0539	pCi/sample	7.29E-06	7.29E-18	2.00E-15	3.65E-03	U
AMD002	Q1AMD0021-25	31-Dec-24	Technetium-99	74.7	pCi/sample	1.01E-02	1.01E-14	1.40E-13	7.22E-02	U
AMD002	Q1AMD0021-25	31-Dec-24	Thorium-234	18.6	pCi/sample	2.52E-03	2.52E-15	2.20E-12	1.14E-03	U
AMD002	Q1AMD0021-25	31-Dec-24	**Uranium-234**	**1.08**	pCi/sample	1.46E-04	1.46E-16	7.70E-15	1.90E-02	
AMD002	Q1AMD0021-25	31-Dec-24	Uranium-235	0.204	pCi/sample	2.76E-05	2.76E-17	7.10E-15	3.89E-03	U
AMD002	Q1AMD0021-25	31-Dec-24	**Uranium-238**	**1.63**	pCi/sample	2.21E-04	2.21E-16	8.30E-15	2.66E-02	
								Sum of the Fractions of the Standard	1.42E-01	
	Quarterly Air Flow	7390	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD012	Q1AMD0121-25	31-Dec-24	Americium-241	0.0523	pCi/sample	7.08E-06	7.08E-18	1.90E-15	3.72E-03	U
AMD012	Q1AMD0121-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD012	Q1AMD0121-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD012	Q1AMD0121-25	31-Dec-24	Plutonium-239/240	0.384	pCi/sample	5.20E-05	5.20E-17	2.00E-15	2.60E-02	U
AMD012	Q1AMD0121-25	31-Dec-24	Technetium-99	25.8	pCi/sample	3.49E-03	3.49E-15	1.40E-13	2.49E-02	U
AMD012	Q1AMD0121-25	31-Dec-24	Thorium-234	8.14	pCi/sample	1.10E-03	1.10E-15	2.20E-12	5.01E-04	U
AMD012	Q1AMD0121-25	31-Dec-24	**Uranium-234**	**1.45**	pCi/sample	1.96E-04	1.96E-16	7.70E-15	2.55E-02	
AMD012	Q1AMD0121-25	31-Dec-24	Uranium-235	0.059	pCi/sample	7.98E-06	7.98E-18	7.10E-15	1.12E-03	U
AMD012	Q1AMD0121-25	31-Dec-24	**Uranium-238**	**1.75**	pCi/sample	2.37E-04	2.37E-16	8.30E-15	2.85E-02	
								Sum of the Fractions of the Standard	1.10E-01	
	Quarterly Air Flow	7413	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD015	Q1AMD0151-25	31-Dec-24	Americium-241	0.067	pCi/sample	9.04E-06	9.04E-18	1.90E-15	4.76E-03	U
AMD015	Q1AMD0151-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD015	Q1AMD0151-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD015	Q1AMD0151-25	31-Dec-24	Plutonium-239/240*	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD015	Q1AMD0151-25	31-Dec-24	Technetium-99	97.2	pCi/sample	1.31E-02	1.31E-14	1.40E-13	9.37E-02	U
AMD015	Q1AMD0151-25	31-Dec-24	Thorium-234	4.27	pCi/sample	5.76E-04	5.76E-16	2.20E-12	2.62E-04	U
AMD015	Q1AMD0151-25	31-Dec-24	**Uranium-234**	**1.24**	pCi/sample	1.67E-04	1.67E-16	7.70E-15	2.17E-02	
AMD015	Q1AMD0151-25	31-Dec-24	Uranium-235	0.49	pCi/sample	6.61E-05	6.61E-17	7.10E-15	9.31E-03	U
AMD015	Q1AMD0151-25	31-Dec-24	**Uranium-238**	**1.96**	pCi/sample	2.64E-04	2.64E-16	8.30E-15	3.19E-02	
								Sum of the Fractions of the Standard	1.62E-01	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7389	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD57	Q1AMD571-25	31-Dec-24	Americium-241	0.13	pCi/sample	1.76E-05	1.76E-17	1.90E-15	9.26E-03	U
AMD57	Q1AMD571-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD57	Q1AMD571-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD57	Q1AMD571-25	31-Dec-24	Plutonium-239/240	0.28	pCi/sample	3.79E-05	3.79E-17	2.00E-15	1.89E-02	U
AMD57	Q1AMD571-25	31-Dec-24	Technetium-99	46.5	pCi/sample	6.29E-03	6.29E-15	1.40E-13	4.50E-02	U
AMD57	Q1AMD571-25	31-Dec-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD57	Q1AMD571-25	31-Dec-24	**Uranium-234**	**2.54**	pCi/sample	3.44E-04	3.44E-16	7.70E-15	4.46E-02	
AMD57	Q1AMD571-25	31-Dec-24	Uranium-235	0.143	pCi/sample	1.94E-05	1.94E-17	7.10E-15	2.73E-03	U
AMD57	Q1AMD571-25	31-Dec-24	**Uranium-238**	**1.61**	pCi/sample	2.18E-04	2.18E-16	8.30E-15	2.63E-02	
								Sum of the Fractions of the Standard	1.47E-01	
	Quarterly Air Flow	7410	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD612	Q1AMD6121-25	31-Dec-24	Americium-241*	0	pCi/sample	0.00E+00	0.00E+00	1.90E-15	0.00E+00	U
AMD612	Q1AMD6121-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD612	Q1AMD6121-25	31-Dec-24	Plutonium-238	0.0609	pCi/sample	8.22E-06	8.22E-18	2.10E-15	3.91E-03	U
AMD612	Q1AMD6121-25	31-Dec-24	Plutonium-239/240	0.122	pCi/sample	1.65E-05	1.65E-17	2.00E-15	8.23E-03	U
AMD612	Q1AMD6121-25	31-Dec-24	Technetium-99	49.7	pCi/sample	6.71E-03	6.71E-15	1.40E-13	4.79E-02	U
AMD612	Q1AMD6121-25	31-Dec-24	Thorium-234	2.08	pCi/sample	2.81E-04	2.81E-16	2.20E-12	1.28E-04	U
AMD612	Q1AMD6121-25	31-Dec-24	**Uranium-234**	**1.03**	pCi/sample	1.39E-04	1.39E-16	7.70E-15	1.81E-02	
AMD612	Q1AMD6121-25	31-Dec-24	Uranium-235	0.00459	pCi/sample	6.19E-07	6.19E-19	7.10E-15	8.72E-05	U
AMD612	Q1AMD6121-25	31-Dec-24	**Uranium-238**	**2**	pCi/sample	2.70E-04	2.70E-16	8.30E-15	3.25E-02	
								Sum of the Fractions of the Standard	1.11E-01	
	Quarter Air Flow	7388	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746S	Q1AMD746S1-25	31-Dec-24	Americium-241	1.74E-08	pCi/sample	2.36E-12	2.36E-24	1.90E-15	1.24E-09	U
AMD746S	Q1AMD746S1-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746S	Q1AMD746S1-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD746S	Q1AMD746S1-25	31-Dec-24	Plutonium-239/240	0.084	pCi/sample	1.14E-05	1.14E-17	2.00E-15	5.68E-03	U
AMD746S	Q1AMD746S1-25	31-Dec-24	Technetium-99	35.5	pCi/sample	4.81E-03	4.81E-15	1.40E-13	3.43E-02	U
AMD746S	Q1AMD746S1-25	31-Dec-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMD746S	Q1AMD746S1-25	31-Dec-24	**Uranium-234**	**2.7**	pCi/sample	3.65E-04	3.65E-16	7.70E-15	4.75E-02	
AMD746S	Q1AMD746S1-25	31-Dec-24	Uranium-235	0.0698	pCi/sample	9.45E-06	9.45E-18	7.10E-15	1.33E-03	U
AMD746S	Q1AMD746S1-25	31-Dec-24	**Uranium-238**	**1.84**	pCi/sample	2.49E-04	2.49E-16	8.30E-15	3.00E-02	
								Sum of the Fractions of the Standard	1.19E-01	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

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	7392	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMD746U	Q1AMD746U1-25	31-Dec-24	Americium-241	0.0372	pCi/sample	5.03E-06	5.03E-18	1.90E-15	2.65E-03	U
AMD746U	Q1AMD746U1-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMD746U	Q1AMD746U1-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMD746U	Q1AMD746U1-25	31-Dec-24	Plutonium-239/240*	0	pCi/sample	0.00E+00	0.00E+00	2.00E-15	0.00E+00	U
AMD746U	Q1AMD746U1-25	31-Dec-24	Technetium-99	77.6	pCi/sample	1.05E-02	1.05E-14	1.40E-13	7.50E-02	U
AMD746U	Q1AMD746U1-25	31-Dec-24	Thorium-234	1.34	pCi/sample	1.81E-04	1.81E-16	2.20E-12	8.24E-05	U
AMD746U	Q1AMD746U1-25	31-Dec-24	**Uranium-234**	**1.52**	pCi/sample	2.06E-04	2.06E-16	7.70E-15	2.67E-02	
AMD746U	Q1AMD746U1-25	31-Dec-24	Uranium-235*	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMD746U	Q1AMD746U1-25	31-Dec-24	**Uranium-238**	**1.85**	pCi/sample	2.50E-04	2.50E-16	8.30E-15	3.02E-02	
								Sum of the Fractions of the Standard	1.35E-01	
	Quarterly Air Flow	7375	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Americium-241	1.05E-08	pCi/sample	1.42E-12	1.42E-24	1.90E-15	7.49E-10	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Plutonium-238*	0	pCi/sample	0.00E+00	0.00E+00	2.10E-15	0.00E+00	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Plutonium-239/240	0.109	pCi/sample	1.48E-05	1.48E-17	2.00E-15	7.39E-03	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Technetium-99	19.7	pCi/sample	2.67E-03	2.67E-15	1.40E-13	1.91E-02	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Thorium-234	2.9	pCi/sample	3.93E-04	3.93E-16	2.20E-12	1.79E-04	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Uranium-234	0.475	pCi/sample	6.44E-05	6.44E-17	7.70E-15	8.36E-03	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	Uranium-235	0.0955	pCi/sample	1.29E-05	1.29E-17	7.10E-15	1.82E-03	U
AMDBCP	Q1AMDBCP1-25	31-Dec-24	**Uranium-238**	**1.43**	pCi/sample	1.94E-04	1.94E-16	8.30E-15	2.34E-02	
								Sum of the Fractions of the Standard	6.02E-02	
	Quarterly Air Flow	7387	m3			pCi/m3	Ci/m3	Ci/m3	fraction	
AMDNE	Q1AMDNE1-25	31-Dec-24	Americium-241	0.177	pCi/sample	2.40E-05	2.40E-17	1.90E-15	1.26E-02	U
AMDNE	Q1AMDNE1-25	31-Dec-24	Neptunium-237*	0	pCi/sample	0.00E+00	0.00E+00	1.20E-15	0.00E+00	U
AMDNE	Q1AMDNE1-25	31-Dec-24	Plutonium-238	0.0673	pCi/sample	9.11E-06	9.11E-18	2.10E-15	4.34E-03	U
AMDNE	Q1AMDNE1-25	31-Dec-24	Plutonium-239/240	0.177	pCi/sample	2.40E-05	2.40E-17	2.00E-15	1.20E-02	U
AMDNE	Q1AMDNE1-25	31-Dec-24	Technetium-99	53.1	pCi/sample	7.19E-03	7.19E-15	1.40E-13	5.13E-02	U
AMDNE	Q1AMDNE1-25	31-Dec-24	Thorium-234*	0	pCi/sample	0.00E+00	0.00E+00	2.20E-12	0.00E+00	U
AMDNE	Q1AMDNE1-25	31-Dec-24	**Uranium-234**	**1.3**	pCi/sample	1.76E-04	1.76E-16	7.70E-15	2.29E-02	
AMDNE	Q1AMDNE1-25	31-Dec-24	Uranium-235*	0	pCi/sample	0.00E+00	0.00E+00	7.10E-15	0.00E+00	U
AMDNE	Q1AMDNE1-25	31-Dec-24	**Uranium-238**	**1.95**	pCi/sample	2.64E-04	2.64E-16	8.30E-15	3.18E-02	
								Sum of the Fractions of the Standard	1.35E-01	

* = Negative result replaced with a zero for calculation
Bold = Detection above MDC
U = Value reported is less than the MDA and/or TPU

Table A.2. Ambient Air Data

STA_NAME	D_COLLECTED	CHEMICAL_NAME	ANA_METHOD	RESULTS	UNITS	RSLTQUAL	DETECT_LIMIT	RAD_ERR	TPU
AMD002	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	-0.0546	pCi/sample	U	0.63	0.242	0.242
AMD002	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.0583	pCi/sample	U	0.98	0.403	0.403
AMD002	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.059	pCi/sample	U	1.16	0.492	0.494
AMD002	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.678	pCi/sample	U	1.16	0.968	0.975
AMD002	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	28.1	pCi/sample	U	74.1	43.6	43.7
AMD002	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	14.1	pCi/sample	U	34.3	36	36.7
AMD002	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.96	pCi/sample		1.12	1.1	1.14
AMD002	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0	pCi/sample	U	0.474	0.318	0.319
AMD002	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.6	pCi/sample		0.707	0.942	0.969
AMD012	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	-0.0258	pCi/sample	U	0.516	0.223	0.223
AMD012	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.0522	pCi/sample	U	1.13	0.487	0.487
AMD012	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.139	pCi/sample	U	1.33	0.565	0.565
AMD012	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.149	pCi/sample	U	1.08	0.403	0.404
AMD012	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	56.5	pCi/sample		54.3	33.5	34
AMD012	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	4.978	pCi/sample	U	18.6	11.3	11.6
AMD012	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	0.991	pCi/sample	U	0.999	0.806	0.821
AMD012	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	-0.139	pCi/sample	U	0.951	0.321	0.322
AMD012	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.46	pCi/sample		0.647	0.862	0.885
AMD015	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	0.031	pCi/sample	U	0.675	0.324	0.324
AMD015	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.309	pCi/sample	U	1.2	0.352	0.352
AMD015	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.108	pCi/sample	U	0.92	0.328	0.328
AMD015	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.205	pCi/sample	U	1.46	0.58	0.58
AMD015	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	-4.8	pCi/sample	U	68.4	38.9	38.9
AMD015	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	8.94	pCi/sample	U	27.4	48	48
AMD015	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	2.04	pCi/sample		1.44	1.36	1.41
AMD015	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0	pCi/sample	U	0.68	0.457	0.458
AMD015	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.29	pCi/sample		1.21	1.1	1.12
AMD57	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	0.296	pCi/sample	U	0.514	0.426	0.428
AMD57	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.331	pCi/sample	U	1.52	0.466	0.467
AMD57	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.187	pCi/sample	U	1.64	0.633	0.634
AMD57	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.106	pCi/sample	U	1.12	0.587	0.587
AMD57	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	16.6	pCi/sample	U	70.6	41.1	41.2
AMD57	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	-14.6	pCi/sample	U	26.9	25	26.1
AMD57	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.39	pCi/sample		0.817	0.856	0.88
AMD57	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0.105	pCi/sample	U	0.664	0.395	0.395
AMD57	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.09	pCi/sample		0.537	0.732	0.747
AMD612	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	0.03	pCi/sample	U	0.655	0.314	0.314
AMD612	27-Mar-24	Neptunium-237	ASTM-1475-00M	0.0142	pCi/sample	U	1.43	0.653	0.653
AMD612	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.101	pCi/sample	U	0.695	0.234	0.235
AMD612	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.291	pCi/sample	U	0.505	0.419	0.42
AMD612	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	40.2	pCi/sample	U	67.5	40.4	40.6

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	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	0.411	pCi/sample	U	29.8	28.5	28.5
AMD612	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.32	pCi/sample		0.967	0.862	0.883
AMD612	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	-0.0643	pCi/sample	U	0.742	0.284	0.285
AMD612	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	0.979	pCi/sample		0.714	0.713	0.726
AMD746S	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	-0.0562	pCi/sample	U	1.1	0.469	0.471
AMD746S	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.121	pCi/sample	U	1.06	0.408	0.408
AMD746S	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0506	pCi/sample	U	0.584	0.224	0.224
AMD746S	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.16	pCi/sample	U	0.583	0.368	0.368
AMD746S	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	-10.4	pCi/sample	U	67.8	38.3	38.3
AMD746S	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	-5.42	pCi/sample	U	25.3	16	16.3
AMD746S	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.48	pCi/sample		1.02	0.961	0.988
AMD746S	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0	pCi/sample	U	0.464	0.312	0.313
AMD746S	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	2.07	pCi/sample		0.926	1.08	1.12
AMD746U	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	0.0592	pCi/sample	U	0.63	0.329	0.329
AMD746U	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.513	pCi/sample	U	1.48	0.409	0.409
AMD746U	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	0	pCi/sample	U	0.32	0.215	0.215
AMD746U	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0	pCi/sample	U	0.32	0.215	0.215
AMD746U	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	-19.1	pCi/sample	U	72	40.3	40.3
AMD746U	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	24.6	pCi/sample	U	35.2	32.8	35.1
AMD746U	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.18	pCi/sample		0.889	0.827	0.846
AMD746U	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0.0745	pCi/sample	U	0.794	0.414	0.415
AMD746U	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.68	pCi/sample		0.642	0.914	0.943
AMDBCP	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	0.114	pCi/sample	U	0.718	0.427	0.427
AMDBCP	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.922	pCi/sample	U	2.35	0.632	0.633
AMDBCP	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0341	pCi/sample	U	0.744	0.356	0.357
AMDBCP	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.0535	pCi/sample	U	0.899	0.369	0.37
AMDBCP	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	-21.4	pCi/sample	U	62.6	34.9	34.9
AMDBCP	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	-4.09	pCi/sample	U	22.7	14.3	14.5
AMDBCP	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	1.47	pCi/sample		0.867	0.886	0.911
AMDBCP	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0.0721	pCi/sample	U	0.768	0.401	0.401
AMDBCP	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	0.565	pCi/sample	U	0.739	0.593	0.598
AMDNE	27-Mar-24	Americium-241	HASL 300, Am-05-RC M	-0.0304	pCi/sample	U	0.607	0.262	0.263
AMDNE	27-Mar-24	Neptunium-237	ASTM-1475-00M	-0.657	pCi/sample	U	1.61	0.431	0.432
AMDNE	27-Mar-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0865	pCi/sample	U	0.546	0.324	0.325
AMDNE	27-Mar-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0318	pCi/sample	U	0.695	0.333	0.333
AMDNE	27-Mar-24	Technetium-99	HASL 300, Tc-02-RC M	-28	pCi/sample	U	61.5	34	34
AMDNE	27-Mar-24	Thorium-234	HASL 300, 4.5.2.3	-15.5	pCi/sample	U	27.9	26.1	27.3
AMDNE	27-Mar-24	Uranium-234	HASL 300, U-02-RC M	2.04	pCi/sample		1	1.12	1.16
AMDNE	27-Mar-24	Uranium-235	HASL 300, U-02-RC M	0.172	pCi/sample	U	1.09	0.587	0.587
AMDNE	27-Mar-24	Uranium-238	HASL 300, U-02-RC M	1.81	pCi/sample		0.988	1.06	1.09

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
AMD002	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	-0.0209	pCi/sample	U	0.734	0.314	0.314
AMD002	30-Jun-24	Neptunium-237	ASTM-1475-00M	-0.7	pCi/sample	U	2.68	0.902	0.903
AMD002	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.118	pCi/sample	U	0.811	0.274	0.274
AMD002	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0639	pCi/sample	U	0.681	0.355	0.356
AMD002	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-31.6	pCi/sample	U	73.6	40	40
AMD002	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-8.58	pCi/sample	U	36.5	33.3	33.6
AMD002	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.26	pCi/sample		1.15	0.938	0.958
AMD002	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	0.0807	pCi/sample	U	0.86	0.449	0.449
AMD002	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.32	pCi/sample		0.696	0.859	0.878
AMD012	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0.0519	pCi/sample	U	1.13	0.542	0.543
AMD012	30-Jun-24	Neptunium-237	ASTM-1475-00M	-0.824	pCi/sample	U	2.1	0.565	0.565
AMD012	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	0.105	pCi/sample	U	0.921	0.471	0.471
AMD012	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.462	pCi/sample	U	0.727	0.585	0.588
AMD012	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-29.5	pCi/sample	U	69.2	37.6	37.6
AMD012	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-1.98	pCi/sample	U	17.2	9.54	9.59
AMD012	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.13	pCi/sample	U	1.21	0.917	0.934
AMD012	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	-0.29	pCi/sample	U	1.22	0.364	0.365
AMD012	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.3	pCi/sample		1.19	0.953	0.97
AMD015	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0	pCi/sample	U	0.347	0.233	0.234
AMD015	30-Jun-24	Neptunium-237	ASTM-1475-00M	-0.829	pCi/sample	U	3.12	0.849	0.85
AMD015	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0325	pCi/sample	U	0.709	0.34	0.34
AMD015	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.204	pCi/sample	U	0.556	0.401	0.402
AMD015	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-39.6	pCi/sample	U	70.8	38	38
AMD015	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	5.13	pCi/sample	U	24.1	37.1	37.1
AMD015	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	0.944	pCi/sample	U	1.21	0.887	0.9
AMD015	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	-0.033	pCi/sample	U	1.16	0.495	0.495
AMD015	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.51	pCi/sample		1.03	0.994	1.02
AMD57	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	-0.128	pCi/sample	U	1.34	0.552	0.553
AMD57	30-Jun-24	Neptunium-237	ASTM-1475-00M	-1.09	pCi/sample	U	4.88	1.4	1.41
AMD57	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0524	pCi/sample	U	0.605	0.232	0.232
AMD57	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.0524	pCi/sample	U	0.604	0.232	0.232
AMD57	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-26.5	pCi/sample	U	67.5	36.9	36.9
AMD57	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-0.00831	pCi/sample	U	16.5	9.04	9.04
AMD57	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.77	pCi/sample		1.37	1.23	1.26
AMD57	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	0	pCi/sample	U	0.612	0.411	0.412
AMD57	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.41	pCi/sample		0.914	1.03	1.05
AMD612	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0.392	pCi/sample	U	0.681	0.565	0.567
AMD612	30-Jun-24	Neptunium-237	ASTM-1475-00M	-0.466	pCi/sample	U	3.96	1.49	1.49
AMD612	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	0.252	pCi/sample	U	0.676	0.446	0.447
AMD612	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0619	pCi/sample	U	0.818	0.4	0.4
AMD612	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-37.1	pCi/sample	U	60.5	32.3	32.3

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-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-5.93	pCi/sample	U	30.3	32.7	32.8
AMD612	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.04	pCi/sample	U	1.39	1.02	1.03
AMD612	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	0.151	pCi/sample	U	0.953	0.567	0.568
AMD612	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.63	pCi/sample		1.48	1.21	1.24
AMD746S	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0.343	pCi/sample	U	0.754	0.545	0.547
AMD746S	30-Jun-24	Neptunium-237	ASTM-1475-00M	0.449	pCi/sample	U	2.56	1.37	1.37
AMD746S	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0604	pCi/sample	U	0.644	0.336	0.336
AMD746S	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.195	pCi/sample	U	0.899	0.275	0.275
AMD746S	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-42.5	pCi/sample	U	76.3	41	41
AMD746S	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-16.8	pCi/sample	U	36	25.9	27.2
AMD746S	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.9	pCi/sample		0.712	0.903	0.94
AMD746S	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	-0.0291	pCi/sample	U	0.581	0.251	0.251
AMD746S	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.67	pCi/sample		0.294	0.816	0.843
AMD746U	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0.0322	pCi/sample	U	0.702	0.337	0.337
AMD746U	30-Jun-24	Neptunium-237	ASTM-1475-00M	0.207	pCi/sample	U	3.68	1.76	1.76
AMD746U	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	0.296	pCi/sample	U	0.794	0.524	0.526
AMD746U	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.026	pCi/sample	U	0.911	0.39	0.39
AMD746U	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-40.3	pCi/sample	U	67.4	36	36
AMD746U	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-15.6	pCi/sample	U	30.1	29.7	30.7
AMD746U	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	2.14	pCi/sample		0.998	0.988	1.03
AMD746U	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	0.26	pCi/sample	U	0.696	0.46	0.461
AMD746U	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	0.937	pCi/sample	U	0.939	0.723	0.732
AMDBCP	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	0.498	pCi/sample	U	0.927	0.68	0.684
AMDBCP	30-Jun-24	Neptunium-237	ASTM-1475-00M	-0.151	pCi/sample	U	2.13	0.845	0.846
AMDBCP	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.142	pCi/sample	U	0.832	0.27	0.27
AMDBCP	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.45	pCi/sample	U	0.831	0.585	0.588
AMDBCP	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-52	pCi/sample	U	74.1	39.2	39.2
AMDBCP	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	4.52	pCi/sample	U	16.1	8.63	8.93
AMDBCP	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	0.769	pCi/sample	U	3.66	2.11	2.12
AMDBCP	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	-0.0917	pCi/sample	U	3.19	1.51	1.52
AMDBCP	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	2.29	pCi/sample	U	3	2.71	2.78
AMDNE	30-Jun-24	Americium-241	HASL 300, Am-05-RC M	-0.0275	pCi/sample	U	0.965	0.413	0.414
AMDNE	30-Jun-24	Neptunium-237	ASTM-1475-00M	0.777	pCi/sample	U	2.52	1.5	1.5
AMDNE	30-Jun-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0262	pCi/sample	U	0.92	0.394	0.394
AMDNE	30-Jun-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.315	pCi/sample	U	1.14	0.328	0.329
AMDNE	30-Jun-24	Technetium-99	HASL 300, Tc-02-RC M	-53.9	pCi/sample	U	68.4	35.8	35.8
AMDNE	30-Jun-24	Thorium-234	HASL 300, 4.5.2.3	-13.6	pCi/sample	U	36.6	26	26.9
AMDNE	30-Jun-24	Uranium-234	HASL 300, U-02-RC M	1.35	pCi/sample		0.818	0.805	0.827
AMDNE	30-Jun-24	Uranium-235	HASL 300, U-02-RC M	0	pCi/sample	U	0.366	0.246	0.247
AMDNE	30-Jun-24	Uranium-238	HASL 300, U-02-RC M	1.19	pCi/sample		0.651	0.732	0.748

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
AMD002	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.113	pCi/sample	U	0.54	0.311	0.312
AMD002	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.403	pCi/sample	U	1.66	0.566	0.566
AMD002	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0485	pCi/sample	U	0.559	0.214	0.215
AMD002	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.0161	pCi/sample	U	0.845	0.374	0.374
AMD002	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	15.7	pCi/sample	U	37.8	22.3	22.3
AMD002	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	35.3	pCi/sample	U	42.7	61.3	61.9
AMD002	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	2.45	pCi/sample		1.19	1.17	1.23
AMD002	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.353	pCi/sample	U	0.775	0.56	0.563
AMD002	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	35.3	pCi/sample	U	42.7	61.3	61.9
AMD002	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.96	pCi/sample		0.877	1	1.05
AMD012	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.18	pCi/sample	U	0.49	0.353	0.354
AMD012	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.0219	pCi/sample	U	1.15	0.507	0.507
AMD012	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	0	pCi/sample	U	0.235	0.158	0.158
AMD012	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.0188	pCi/sample	U	0.375	0.162	0.162
AMD012	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	5.04	pCi/sample	U	33.4	19.3	19.3
AMD012	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	6.44	pCi/sample	U	16.6	8.89	9.46
AMD012	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	0.562	pCi/sample	U	1.54	0.918	0.925
AMD012	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	-0.329	pCi/sample	U	1.52	0.464	0.465
AMD012	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	6.44	pCi/sample	U	16.6	8.89	9.46
AMD012	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.8	pCi/sample		1.42	1.23	1.27
AMD015	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.23	pCi/sample	U	0.345	0.394	0.395
AMD015	30-Sep-24	Neptunium-237	ASTM-1475-00M	0.0113	pCi/sample	U	1.14	0.52	0.52
AMD015	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	0.101	pCi/sample	U	0.48	0.277	0.277
AMD015	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.103	pCi/sample	U	0.608	0.325	0.325
AMD015	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	-0.892	pCi/sample	U	40.6	23.1	23.1
AMD015	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	1.91	pCi/sample	U	26.1	24.8	24.8
AMD015	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	1.35	pCi/sample		0.66	0.647	0.671
AMD015	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.118	pCi/sample	U	0.428	0.27	0.271
AMD015	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	1.91	pCi/sample	U	26.1	24.8	24.8
AMD015	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.62	pCi/sample		0.651	0.694	0.723
AMD57	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0	pCi/sample	U	0.357	0.24	0.241
AMD57	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.452	pCi/sample	U	2.21	0.781	0.781
AMD57	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0221	pCi/sample	U	0.441	0.19	0.191
AMD57	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.11	pCi/sample	U	0.644	0.209	0.209
AMD57	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	17.1	pCi/sample	U	64	37.3	37.4
AMD57	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	0	pCi/sample	UX	58.9	55.4	67.3
AMD57	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	2.18	pCi/sample		0.581	0.751	0.802
AMD57	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.0755	pCi/sample	U	0.478	0.258	0.258
AMD57	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	0	pCi/sample	UX	58.9	55.4	67.3
AMD57	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.4	pCi/sample		0.492	0.604	0.628
AMD612	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.282	pCi/sample	U	0.525	0.385	0.387

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-24	Neptunium-237	ASTM-1475-00M	-0.712	pCi/sample	U	1.51	0.452	0.452
AMD612	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	0.146	pCi/sample	U	0.398	0.287	0.288
AMD612	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.394	pCi/sample	U	0.397	0.401	0.405
AMD612	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	14.3	pCi/sample	U	49.3	28.8	28.8
AMD612	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	-15.9	pCi/sample	U	57.4	45.6	46.3
AMD612	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	1.96	pCi/sample		0.67	0.754	0.796
AMD612	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.158	pCi/sample	U	0.509	0.314	0.314
AMD612	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	-15.9	pCi/sample	U	57.4	45.6	46.3
AMD612	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.88	pCi/sample		0.412	0.696	0.735
AMD746S	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.0769	pCi/sample	U	0.819	0.427	0.428
AMD746S	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.506	pCi/sample	U	2.33	0.913	0.913
AMD746S	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.123	pCi/sample	U	0.844	0.285	0.285
AMD746S	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.153	pCi/sample	U	0.896	0.291	0.291
AMD746S	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	21	pCi/sample	U	37.9	22.6	22.7
AMD746S	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	10.7	pCi/sample	U	29	33.9	34.3
AMD746S	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	1.59	pCi/sample		0.491	0.67	0.701
AMD746S	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.143	pCi/sample	U	0.389	0.281	0.281
AMD746S	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	10.7	pCi/sample	U	29	33.9	34.3
AMD746S	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	2.17	pCi/sample		0.197	0.751	0.796
AMD746U	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.133	pCi/sample	U	0.634	0.366	0.366
AMD746U	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.248	pCi/sample	U	1.77	0.702	0.703
AMD746U	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0605	pCi/sample	U	0.53	0.271	0.271
AMD746U	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0785	pCi/sample	U	0.497	0.268	0.268
AMD746U	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	-1.24	pCi/sample	U	46	26.2	26.2
AMD746U	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	29.9	pCi/sample	U	34.8	32.5	35.8
AMD746U	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	1.06	pCi/sample		0.706	0.6	0.617
AMD746U	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	-0.0151	pCi/sample	U	0.53	0.227	0.227
AMD746U	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	29.9	pCi/sample	U	34.8	32.5	35.8
AMD746U	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	2.42	pCi/sample		0.594	0.803	0.857
AMDBCP	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.0995	pCi/sample	U	0.872	0.446	0.446
AMDBCP	30-Sep-24	Neptunium-237	ASTM-1475-00M	-0.0978	pCi/sample	U	1.62	0.709	0.709
AMDBCP	30-Sep-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0363	pCi/sample	U	0.419	0.161	0.161
AMDBCP	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.0121	pCi/sample	U	0.634	0.28	0.28
AMDBCP	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	24.8	pCi/sample	U	59.4	35	35.1
AMDBCP	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	10.6	pCi/sample	U	15.1	10.9	11.1
AMDBCP	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	0.884	pCi/sample		0.546	0.541	0.555
AMDBCP	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.214	pCi/sample	U	0.469	0.339	0.34
AMDBCP	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	10.6	pCi/sample	U	15.1	10.9	11.1
AMDBCP	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.32	pCi/sample		0.419	0.619	0.641
AMDNE	30-Sep-24	Americium-241	HASL 300, Am-05-RC M	0.0241	pCi/sample	U	0.526	0.252	0.252
AMDNE	30-Sep-24	Neptunium-237	ASTM-1475-00M	0.0102	pCi/sample	U	1.03	0.467	0.467

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-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0534	pCi/sample	U	0.569	0.297	0.297
AMDNE	30-Sep-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0041	pCi/sample	U	0.676	0.304	0.304
AMDNE	30-Sep-24	Technetium-99	HASL 300, Tc-02-RC M	20.1	pCi/sample	U	50.1	29.5	29.6
AMDNE	30-Sep-24	Thorium-234	HASL 300, 4.5.2.3	0	pCi/sample	UX	29	32.9	36.1
AMDNE	30-Sep-24	Uranium-234	HASL 300, U-02-RC M	1.76	pCi/sample		0.707	0.812	0.849
AMDNE	30-Sep-24	Uranium-235	HASL 300, U-02-RC M	0.154	pCi/sample	U	0.562	0.355	0.355
AMDNE	30-Sep-24	Uranium-238	HASL 300, 4.5.2.3	0	pCi/sample	UX	29	32.9	36.1
AMDNE	30-Sep-24	Uranium-238	HASL 300, U-02-RC M	1.34	pCi/sample		0.502	0.688	0.711
AMD002	31-Dec-24	Americium-241	HASL 300, Am-05-RC M	0.0831	pCi/sample	U	0.212	0.144	0.144
AMD002	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.495	pCi/sample	U	1.07	0.476	0.476
AMD002	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	0.146	pCi/sample	U	0.533	0.336	0.337
AMD002	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.0539	pCi/sample	U	0.711	0.348	0.348
AMD002	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	74.7	pCi/sample	U	88.2	53.1	53.8
AMD002	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	18.6	pCi/sample	U	36.3	37.3	38.5
AMD002	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	1.08	pCi/sample		0.999	0.812	0.831
AMD002	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.204	pCi/sample	U	0.743	0.469	0.469
AMD002	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.63	pCi/sample		0.715	0.885	0.917
AMD012	31-Dec-24	Americium-241	HASL 300, Am-05-RC M	0.0523	pCi/sample	U	0.2	0.125	0.126
AMD012	31-Dec-24	Neptunium-237	ASTM-1475-00M	-1.75	pCi/sample	U	1.88	0.792	0.792
AMD012	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.239	pCi/sample	U	0.983	0.336	0.336
AMD012	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.384	pCi/sample	U	0.709	0.499	0.502
AMD012	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	25.8	pCi/sample	U	92.1	54.3	54.4
AMD012	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	8.14	pCi/sample	U	18	10.2	11
AMD012	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	1.45	pCi/sample		0.857	0.816	0.843
AMD012	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.059	pCi/sample	U	0.628	0.328	0.328
AMD012	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.75	pCi/sample		0.604	0.83	0.864
AMD015	31-Dec-24	Americium-241	HASL 300, Am-05-RC M	0.067	pCi/sample	U	0.256	0.161	0.161
AMD015	31-Dec-24	Neptunium-237	ASTM-1475-00M	-1.37	pCi/sample	U	1.39	0.595	0.595
AMD015	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.023	pCi/sample	U	0.459	0.198	0.199
AMD015	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.161	pCi/sample	U	0.741	0.227	0.227
AMD015	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	97.2	pCi/sample	U	97.3	59	60
AMD015	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	4.27	pCi/sample	U	18.1	9.81	10
AMD015	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	1.24	pCi/sample		1.19	0.902	0.923
AMD015	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.49	pCi/sample	U	0.624	0.577	0.582
AMD015	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.96	pCi/sample		0.914	0.982	1.02
AMD57	31-Dec-24	Americium-241	HASL 300, Am-05-RC M	0.13	pCi/sample	U	0.288	0.184	0.185
AMD57	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.25	pCi/sample	U	2.2	0.847	0.847
AMD57	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0487	pCi/sample	U	0.562	0.216	0.216
AMD57	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.28	pCi/sample	U	0.486	0.403	0.405
AMD57	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	46.5	pCi/sample	U	69.5	41.6	41.9
AMD57	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	-9.34	pCi/sample	U	27.7	27.6	28

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-24	Uranium-234	HASL 300, U-02-RC M	2.54	pCi/sample		0.821	1.01	1.08
AMD57	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.143	pCi/sample	U	0.684	0.395	0.395
AMD57	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.61	pCi/sample		0.636	0.801	0.833
AMD612	31-Dec-24	Americium-241	HASL 300, Am-05-RC M	-0.0303	pCi/sample	U	0.336	0.157	0.157
AMD612	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.332	pCi/sample	U	2.37	0.94	0.941
AMD612	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	0.0609	pCi/sample	U	0.384	0.229	0.229
AMD612	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.122	pCi/sample	U	0.444	0.28	0.28
AMD612	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	49.7	pCi/sample	U	76.3	45.7	46
AMD612	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	2.08	pCi/sample	U	27.7	40.5	40.5
AMD612	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	1.03	pCi/sample		0.839	0.717	0.734
AMD612	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.00459	pCi/sample	U	0.756	0.34	0.341
AMD612	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	2	pCi/sample		0.687	0.899	0.941
AMD746S	45657	Americium-241	HASL 300, Am-05-RC M	1.74E-08	pCi/sample	U	0.386	0.193	0.193
AMD746S	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.784	pCi/sample	U	1.61	0.756	0.756
AMD746S	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.0971	pCi/sample	U	0.567	0.184	0.184
AMD746S	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.084	pCi/sample	U	0.533	0.287	0.287
AMD746S	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	35.5	pCi/sample	U	65.5	39	39.2
AMD746S	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	-16.5	pCi/sample	U	45.8	35.3	36.3
AMD746S	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	2.7	pCi/sample		0.644	0.926	0.995
AMD746S	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.0698	pCi/sample	U	0.44	0.262	0.262
AMD746S	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.84	pCi/sample		0.521	0.761	0.799
AMD746U	45657	Americium-241	HASL 300, Am-05-RC M	0.0372	pCi/sample	U	0.285	0.163	0.163
AMD746U	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.488	pCi/sample	U	0.984	0.435	0.435
AMD746U	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.045	pCi/sample	U	0.519	0.199	0.199
AMD746U	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	-0.112	pCi/sample	U	0.657	0.213	0.213
AMD746U	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	77.6	pCi/sample	U	94.6	56.9	57.6
AMD746U	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	1.34	pCi/sample	U	17.9	9.79	9.81
AMD746U	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	1.52	pCi/sample		0.716	0.767	0.796
AMD746U	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	-0.0491	pCi/sample	U	0.566	0.217	0.217
AMD746U	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.85	pCi/sample		0.641	0.818	0.853
AMDBCP	45657	Americium-241	HASL 300, Am-05-RC M	1.05E-08	pCi/sample	U	0.303	0.152	0.152
AMDBCP	31-Dec-24	Neptunium-237	ASTM-1475-00M	-0.537	pCi/sample	U	0.992	0.43	0.43
AMDBCP	31-Dec-24	Plutonium-238	HASL 300, Pu-11-RC M	-0.137	pCi/sample	U	0.524	0.246	0.246
AMDBCP	31-Dec-24	Plutonium-239/240	HASL 300, Pu-11-RC M	0.109	pCi/sample	U	0.209	0.152	0.152
AMDBCP	31-Dec-24	Technetium-99	HASL 300, Tc-02-RC M	19.7	pCi/sample	U	82	48.2	48.3
AMDBCP	31-Dec-24	Thorium-234	HASL 300, 4.5.2.3	2.9	pCi/sample	U	22.9	31	31
AMDBCP	31-Dec-24	Uranium-234	HASL 300, U-02-RC M	0.475	pCi/sample	U	1.06	0.657	0.662
AMDBCP	31-Dec-24	Uranium-235	HASL 300, U-02-RC M	0.0955	pCi/sample	U	0.603	0.358	0.359
AMDBCP	31-Dec-24	Uranium-238	HASL 300, U-02-RC M	1.43	pCi/sample		0.821	0.834	0.859
AMDNE	45657	Americium-241	HASL 300, Am-05-RC M	0.177	pCi/sample	U	0.325	0.216	0.216

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	45657	Neptunium-237	ASTM-1475-00M	-0.397	pCi/sample	U	2.84	1.13	1.13
AMDNE	45657	Plutonium-238	HASL 300, Pu-11-RC M	0.0673	pCi/sample	U	0.425	0.252	0.253
AMDNE	45657	Plutonium-239/240	HASL 300, Pu-11-RC M	0.177	pCi/sample	U	0.265	0.303	0.304
AMDNE	45657	Technetium-99	HASL 300, Tc-02-RC M	53.1	pCi/sample	U	81	48.5	48.8
AMDNE	45657	Thorium-234	HASL 300, 4.5.2.3	-11.4	pCi/sample	U	47.1	40.8	41.2
AMDNE	45657	Uranium-234	HASL 300, U-02-RC M	1.3	pCi/sample		0.939	0.798	0.821
AMDNE	45657	Uranium-235	HASL 300, U-02-RC M	-0.185	pCi/sample	U	0.854	0.261	0.261
AMDNE	45657	Uranium-238	HASL 300, U-02-RC M	1.95	pCi/sample		0.927	0.925	0.963

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	20729	Flow-total	AMD002	ft3	04-Jan-24	W01AMD0022-24
1	19519	Flow-total	AMD002	ft3	11-Jan-24	W02AMD0022-24
1	20337	Flow-total	AMD002	ft3	18-Jan-24	W03AMD0022-24
1	20224	Flow-total	AMD002	ft3	25-Jan-24	W04AMD0022-24
1	19869	Flow-total	AMD002	ft3	01-Feb-24	W05AMD0022-24
1	20667	Flow-total	AMD002	ft3	08-Feb-24	W06AMD0022-24
1	20272	Flow-total	AMD002	ft3	15-Feb-24	W07AMD0022-24
1	19838	Flow-total	AMD002	ft3	22-Feb-24	W08AMD0022-24
1	20070	Flow-total	AMD002	ft3	29-Feb-24	W09AMD0022-24
1	20530	Flow-total	AMD002	ft3	07-Mar-24	W10AMD0022-24
1	20131	Flow-total	AMD002	ft3	14-Mar-24	W11AMD0022-24
1	19887	Flow-total	AMD002	ft3	21-Mar-24	W12AMD0022-24
1	16727	Flow-total	AMD002	ft3	27-Mar-24	W13AMD0022-24
Total	**258800**	**7329**				
1	20667	Flow-total	AMD012	ft3	04-Jan-24	W01AMD0122-24
1	19465	Flow-total	AMD012	ft3	11-Jan-24	W02AMD0122-24
1	20330	Flow-total	AMD012	ft3	18-Jan-24	W03AMD0122-24
1	20172	Flow-total	AMD012	ft3	25-Jan-24	W04AMD0122-24
1	19813	Flow-total	AMD012	ft3	01-Feb-24	W05AMD0122-24
1	20626	Flow-total	AMD012	ft3	08-Feb-24	W06AMD0122-24
1	20241	Flow-total	AMD012	ft3	15-Feb-24	W07AMD0122-24
1	19755	Flow-total	AMD012	ft3	22-Feb-24	W08AMD0122-24
1	20021	Flow-total	AMD012	ft3	29-Feb-24	W09AMD0122-24
1	20469	Flow-total	AMD012	ft3	07-Mar-24	W10AMD0122-24
1	20076	Flow-total	AMD012	ft3	14-Mar-24	W11AMD0122-24
1	19889	Flow-total	AMD012	ft3	21-Mar-24	W12AMD0122-24
1	16740	Flow-total	AMD012	ft3	27-Mar-24	W13AMD0122-24
Total	**258264**	**7314**				
1	20664	Flow-total	AMD015	ft3	04-Jan-24	W01AMD0152-24
1	19451	Flow-total	AMD015	ft3	11-Jan-24	W02AMD0152-24
1	20224	Flow-total	AMD015	ft3	18-Jan-24	W03AMD0152-24
1	20286	Flow-total	AMD015	ft3	25-Jan-24	W04AMD0152-24
1	19790	Flow-total	AMD015	ft3	01-Feb-24	W05AMD0152-24
1	20604	Flow-total	AMD015	ft3	08-Feb-24	W06AMD0152-24
1	20286	Flow-total	AMD015	ft3	15-Feb-24	W07AMD0152-24
1	19675	Flow-total	AMD015	ft3	22-Feb-24	W08AMD0152-24
1	20090	Flow-total	AMD015	ft3	29-Feb-24	W09AMD0152-24
1	20517	Flow-total	AMD015	ft3	07-Mar-24	W10AMD0152-24
1	20072	Flow-total	AMD015	ft3	14-Mar-24	W11AMD0152-24
1	19899	Flow-total	AMD015	ft3	21-Mar-24	W12AMD0152-24
1	16756	Flow-total	AMD015	ft3	27-Mar-24	W13AMD0152-24
Total	**258314**	**7315**				
1	20725	Flow-total	AMD57	ft3	04-Jan-24	W01AMD572-24
1	19509	Flow-total	AMD57	ft3	11-Jan-24	W02AMD572-24
1	20327	Flow-total	AMD57	ft3	18-Jan-24	W03AMD572-24
1	20185	Flow-total	AMD57	ft3	25-Jan-24	W04AMD572-24
1	19806	Flow-total	AMD57	ft3	01-Feb-24	W05AMD572-24
1	20619	Flow-total	AMD57	ft3	08-Feb-24	W06AMD572-24
1	20262	Flow-total	AMD57	ft3	15-Feb-24	W07AMD572-24
1	19732	Flow-total	AMD57	ft3	22-Feb-24	W08AMD572-24
1	20031	Flow-total	AMD57	ft3	29-Feb-24	W09AMD572-24
1	20467	Flow-total	AMD57	ft3	07-Mar-24	W10AMD572-24
1	20078	Flow-total	AMD57	ft3	14-Mar-24	W11AMD572-24
1	19888	Flow-total	AMD57	ft3	21-Mar-24	W12AMD572-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
1	16742	Flow-total	AMD57	ft3	27-Mar-24	W13AMD572-24
Total	**258371**	**7317**				
1	20691	Flow-total	AMD612	ft3	04-Jan-24	W01AMD6122-24
1	19464	Flow-total	AMD612	ft3	11-Jan-24	W02AMD6122-24
1	18154	Flow-total	AMD612	ft3	18-Jan-24	W03AMD6122-24
1	20172	Flow-total	AMD612	ft3	25-Jan-24	W04AMD6122-24
1	19786	Flow-total	AMD612	ft3	01-Feb-24	W05AMD6122-24
1	20599	Flow-total	AMD612	ft3	08-Feb-24	W06AMD6122-24
1	20325	Flow-total	AMD612	ft3	15-Feb-24	W07AMD6122-24
1	20632	Flow-total	AMD612	ft3	22-Feb-24	W08AMD6122-24
1	20597	Flow-total	AMD612	ft3	29-Feb-24	W09AMD6122-24
1	20461	Flow-total	AMD612	ft3	07-Mar-24	W10AMD6122-24
1	20027	Flow-total	AMD612	ft3	14-Mar-24	W11AMD6122-24
1	19951	Flow-total	AMD612	ft3	21-Mar-24	W12AMD6122-24
1	16745	Flow-total	AMD612	ft3	27-Mar-24	W13AMD6122-24
Total	**257604**	**7300**				
1	20559	Flow-total	AMD746S	ft3	04-Jan-24	W01AMD746S2-24
1	19464	Flow-total	AMD746S	ft3	11-Jan-24	W02AMD746S2-24
1	20337	Flow-total	AMD746S	ft3	18-Jan-24	W03AMD746S2-24
1	20375	Flow-total	AMD746S	ft3	25-Jan-24	W04AMD746S2-24
1	19621	Flow-total	AMD746S	ft3	01-Feb-24	W05AMD746S2-24
1	20599	Flow-total	AMD746S	ft3	08-Feb-24	W06AMD746S2-24
1	20140	Flow-total	AMD746S	ft3	15-Feb-24	W07AMD746S2-24
1	20076	Flow-total	AMD746S	ft3	22-Feb-24	W08AMD746S2-24
1	19800	Flow-total	AMD746S	ft3	29-Feb-24	W09AMD746S2-24
1	20463	Flow-total	AMD746S	ft3	07-Mar-24	W10AMD746S2-24
1	20085	Flow-total	AMD746S	ft3	14-Mar-24	W11AMD746S2-24
1	19900	Flow-total	AMD746S	ft3	21-Mar-24	W12AMD746S2-24
1	16739	Flow-total	AMD746S	ft3	27-Mar-24	W13AMD746S2-24
Total	**258158**	**7311**				
1	20614	Flow-total	AMD746U	ft3	04-Jan-24	W01AMD746U2-24
1	19519	Flow-total	AMD746U	ft3	11-Jan-24	W02AMD746U2-24
1	20392	Flow-total	AMD746U	ft3	18-Jan-24	W03AMD746U2-24
1	20435	Flow-total	AMD746U	ft3	25-Jan-24	W04AMD746U2-24
1	19666	Flow-total	AMD746U	ft3	01-Feb-24	W05AMD746U2-24
1	20669	Flow-total	AMD746U	ft3	08-Feb-24	W06AMD746U2-24
1	20206	Flow-total	AMD746U	ft3	15-Feb-24	W07AMD746U2-24
1	20120	Flow-total	AMD746U	ft3	22-Feb-24	W08AMD746U2-24
1	19865	Flow-total	AMD746U	ft3	29-Feb-24	W09AMD746U2-24
1	20514	Flow-total	AMD746U	ft3	07-Mar-24	W10AMD746U2-24
1	20137	Flow-total	AMD746U	ft3	14-Mar-24	W11AMD746U2-24
1	19942	Flow-total	AMD746U	ft3	21-Mar-24	W12AMD746U2-24
1	16776	Flow-total	AMD746U	ft3	27-Mar-24	W13AMD746U2-24
Total	**258855**	**7331**				
1	20746	Flow-total	AMDBCP	ft3	04-Jan-24	W01AMDBCP2-24
1	19470	Flow-total	AMDBCP	ft3	11-Jan-24	W02AMDBCP2-24
1	20345	Flow-total	AMDBCP	ft3	18-Jan-24	W03AMDBCP2-24
1	20241	Flow-total	AMDBCP	ft3	25-Jan-24	W04AMDBCP2-24
1	19767	Flow-total	AMDBCP	ft3	01-Feb-24	W05AMDBCP2-24
1	20624	Flow-total	AMDBCP	ft3	08-Feb-24	W06AMDBCP2-24
1	19961	Flow-total	AMDBCP	ft3	15-Feb-24	W07AMDBCP2-24
1	20260	Flow-total	AMDBCP	ft3	22-Feb-24	W08AMDBCP2-24
1	19800	Flow-total	AMDBCP	ft3	29-Feb-24	W09AMDBCP2-24
1	20443	Flow-total	AMDBCP	ft3	07-Mar-24	W10AMDBCP2-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
1	20070	Flow-total	AMDBCP	ft3	14-Mar-24	W11AMDBCP2-24
1	19898	Flow-total	AMDBCP	ft3	21-Mar-24	W12AMDBCP2-24
1	16729	Flow-total	AMDBCP	ft3	27-Mar-24	W13AMDBCP2-24
Total	**258354**	**7317**				
1	20672	Flow-total	AMDNE	ft3	04-Jan-24	W01AMDNE2-24
1	19518	Flow-total	AMDNE	ft3	11-Jan-24	W02AMDNE2-24
1	20319	Flow-total	AMDNE	ft3	18-Jan-24	W03AMDNE2-24
1	20068	Flow-total	AMDNE	ft3	25-Jan-24	W04AMDNE2-24
1	19629	Flow-total	AMDNE	ft3	01-Feb-24	W05AMDNE2-24
1	20682	Flow-total	AMDNE	ft3	08-Feb-24	W06AMDNE2-24
1	20009	Flow-total	AMDNE	ft3	15-Feb-24	W07AMDNE2-24
1	20146	Flow-total	AMDNE	ft3	22-Feb-24	W08AMDNE2-24
1	19790	Flow-total	AMDNE	ft3	29-Feb-24	W09AMDNE2-24
1	20458	Flow-total	AMDNE	ft3	07-Mar-24	W10AMDNE2-24
1	20064	Flow-total	AMDNE	ft3	14-Mar-24	W11AMDNE2-24
1	19890	Flow-total	AMDNE	ft3	21-Mar-24	W12AMDNE2-24
1	16728	Flow-total	AMDNE	ft3	27-Mar-24	W13AMDNE2-24
Total	**257973**	**7306**				
2	23583	Flow-total	AMD002	ft3	04-Apr-24	W01AMD0023-24
2	19492	Flow-total	AMD002	ft3	11-Apr-24	W02AMD0023-24
2	20160	Flow-total	AMD002	ft3	18-Apr-24	W03AMD0023-24
2	20270	Flow-total	AMD002	ft3	25-Apr-24	W04AMD0023-24
2	19810	Flow-total	AMD002	ft3	02-May-24	W05AMD0023-24
2	20093	Flow-total	AMD002	ft3	09-May-24	W06AMD0023-24
2	19996	Flow-total	AMD002	ft3	16-May-24	W07AMD0023-24
2	20447	Flow-total	AMD002	ft3	23-May-24	W08AMD0023-24
2	20387	Flow-total	AMD002	ft3	30-May-24	W09AMD0023-24
2	19696	Flow-total	AMD002	ft3	06-Jun-24	W10AMD0023-24
2	21040	Flow-total	AMD002	ft3	13-Jun-24	W11AMD0023-24
2	20009	Flow-total	AMD002	ft3	20-Jun-24	W12AMD0023-24
2	20281	Flow-total	AMD002	ft3	27-Jun-24	W13AMD0023-24
Total	**265264**	**7512**				
2	23574	Flow-total	AMD012	ft3	04-Apr-24	W01AMD0123-24
2	19484	Flow-total	AMD012	ft3	11-Apr-24	W02AMD0123-24
2	20160	Flow-total	AMD012	ft3	18-Apr-24	W03AMD0123-24
2	20299	Flow-total	AMD012	ft3	25-Apr-24	W04AMD0123-24
2	19977	Flow-total	AMD012	ft3	02-May-24	W05AMD0123-24
2	20094	Flow-total	AMD012	ft3	09-May-24	W06AMD0123-24
2	19989	Flow-total	AMD012	ft3	16-May-24	W07AMD0123-24
2	20455	Flow-total	AMD012	ft3	23-May-24	W08AMD0123-24
2	20392	Flow-total	AMD012	ft3	30-May-24	W09AMD0123-24
2	19691	Flow-total	AMD012	ft3	06-Jun-24	W10AMD0123-24
2	20057	Flow-total	AMD012	ft3	13-Jun-24	W11AMD0123-24
2	19980	Flow-total	AMD012	ft3	20-Jun-24	W12AMD0123-24
2	20289	Flow-total	AMD012	ft3	27-Jun-24	W13AMD0123-24
Total	**264441**	**7489**				
2	23667	Flow-total	AMD015	ft3	04-Apr-24	W01AMD0153-24
2	19407	Flow-total	AMD015	ft3	11-Apr-24	W02AMD0153-24
2	20166	Flow-total	AMD015	ft3	18-Apr-24	W03AMD0153-24
2	20355	Flow-total	AMD015	ft3	25-Apr-24	W04AMD0153-24
2	19881	Flow-total	AMD015	ft3	02-May-24	W05AMD0153-24
2	20235	Flow-total	AMD015	ft3	09-May-24	W06AMD0153-24
2	20145	Flow-total	AMD015	ft3	16-May-24	W07AMD0153-24
2	20162	Flow-total	AMD015	ft3	23-May-24	W08AMD0153-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
2	20457	Flow-total	AMD015	ft3	30-May-24	W09AMD0153-24
2	19684	Flow-total	AMD015	ft3	06-Jun-24	W10AMD0153-24
2	19882	Flow-total	AMD015	ft3	13-Jun-24	W11AMD0153-24
2	20159	Flow-total	AMD015	ft3	20-Jun-24	W12AMD0153-24
2	20431	Flow-total	AMD015	ft3	27-Jun-24	W13AMD0153-24
Total	**264631**	**7494**				
2	23615	Flow-total	AMD57	ft3	04-Apr-24	W01AMD573-24
2	19443	Flow-total	AMD57	ft3	11-Apr-24	W02AMD573-24
2	20156	Flow-total	AMD57	ft3	18-Apr-24	W03AMD573-24
2	20323	Flow-total	AMD57	ft3	25-Apr-24	W04AMD573-24
2	19900	Flow-total	AMD57	ft3	02-May-24	W05AMD573-24
2	20143	Flow-total	AMD57	ft3	09-May-24	W06AMD573-24
2	20030	Flow-total	AMD57	ft3	16-May-24	W07AMD573-24
2	20416	Flow-total	AMD57	ft3	23-May-24	W08AMD573-24
2	20393	Flow-total	AMD57	ft3	30-May-24	W09AMD573-24
2	19684	Flow-total	AMD57	ft3	06-Jun-24	W10AMD573-24
2	19868	Flow-total	AMD57	ft3	13-Jun-24	W11AMD573-24
2	20160	Flow-total	AMD57	ft3	20-Jun-24	W12AMD573-24
2	20282	Flow-total	AMD57	ft3	27-Jun-24	W13AMD573-24
Total	**264413**	**7488**				
2	23720	Flow-total	AMD612	ft3	04-Apr-24	W01AMD6123-24
2	19335	Flow-total	AMD612	ft3	11-Apr-24	W02AMD6123-24
2	5801	Flow-total	AMD612	ft3	18-Apr-24	W03AMD6123-24
2	20443	Flow-total	AMD612	ft3	25-Apr-24	W04AMD6123-24
2	19876	Flow-total	AMD612	ft3	02-May-24	W05AMD6123-24
2	20296	Flow-total	AMD612	ft3	09-May-24	W06AMD6123-24
2	20201	Flow-total	AMD612	ft3	16-May-24	W07AMD6123-24
2	20222	Flow-total	AMD612	ft3	23-May-24	W08AMD6123-24
2	20444	Flow-total	AMD612	ft3	30-May-24	W09AMD6123-24
2	19732	Flow-total	AMD612	ft3	06-Jun-24	W10AMD6123-24
2	19933	Flow-total	AMD612	ft3	13-Jun-24	W11AMD6123-24
2	20201.3	Flow-total	AMD612	ft3	20-Jun-24	W12AMD6123-24
2	20495	Flow-total	AMD612	ft3	27-Jun-24	W13AMD6123-24
Total	**250699**	**7100**				
2	23190	Flow-total	AMD746S	ft3	04-Apr-24	W01AMD746S3-24
2	19909	Flow-total	AMD746S	ft3	11-Apr-24	W02AMD746S3-24
2	20162	Flow-total	AMD746S	ft3	18-Apr-24	W03AMD746S3-24
2	20555	Flow-total	AMD746S	ft3	25-Apr-24	W04AMD746S3-24
2	19710	Flow-total	AMD746S	ft3	02-May-24	W05AMD746S3-24
2	20162	Flow-total	AMD746S	ft3	09-May-24	W06AMD746S3-24
2	20004	Flow-total	AMD746S	ft3	16-May-24	W07AMD746S3-24
2	20407	Flow-total	AMD746S	ft3	23-May-24	W08AMD746S3-24
2	20359	Flow-total	AMD746S	ft3	30-May-24	W09AMD746S3-24
2	19698	Flow-total	AMD746S	ft3	06-Jun-24	W10AMD746S3-24
2	19960	Flow-total	AMD746S	ft3	13-Jun-24	W11AMD746S3-24
2	20067	Flow-total	AMD746S	ft3	20-Jun-24	W12AMD746S3-24
2	20281	Flow-total	AMD746S	ft3	27-Jun-24	W13AMD746S3-24
Total	**264464**	**7490**				
2	23280	Flow-total	AMD746U	ft3	04-Apr-24	W01AMD746U3-24
2	19915	Flow-total	AMD746U	ft3	11-Apr-24	W02AMD746U3-24
2	20203	Flow-total	AMD746U	ft3	18-Apr-24	W03AMD746U3-24
2	20602	Flow-total	AMD746U	ft3	25-Apr-24	W04AMD746U3-24
2	19779	Flow-total	AMD746U	ft3	02-May-24	W05AMD746U3-24
2	20197	Flow-total	AMD746U	ft3	09-May-24	W06AMD746U3-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
2	20073	Flow-total	AMD746U	ft3	16-May-24	W07AMD746U3-24
2	20462	Flow-total	AMD746U	ft3	23-May-24	W08AMD746U3-24
2	20411	Flow-total	AMD746U	ft3	30-May-24	W09AMD746U3-24
2	19745	Flow-total	AMD746U	ft3	06-Jun-24	W10AMD746U3-24
2	20023	Flow-total	AMD746U	ft3	13-Jun-24	W11AMD746U3-24
2	20117	Flow-total	AMD746U	ft3	20-Jun-24	W12AMD746U3-24
2	20334	Flow-total	AMD746U	ft3	27-Jun-24	W13AMD746U3-24
Total	**265141**	**7509**				
2	23431	Flow-total	AMDBCP	ft3	04-Apr-24	W01AMDBCP3-24
2	19688	Flow-total	AMDBCP	ft3	11-Apr-24	W02AMDBCP3-24
2	21132	Flow-total	AMDBCP	ft3	18-Apr-24	W03AMDBCP3-24
2	20406	Flow-total	AMDBCP	ft3	25-Apr-24	W04AMDBCP3-24
2	19866	Flow-total	AMDBCP	ft3	02-May-24	W05AMDBCP3-24
2	19904	Flow-total	AMDBCP	ft3	09-May-24	W06AMDBCP3-24
2	20132	Flow-total	AMDBCP	ft3	16-May-24	W07AMDBCP3-24
2	19996	Flow-total	AMDBCP	ft3	23-May-24	W08AMDBCP3-24
2	20288	Flow-total	AMDBCP	ft3	30-May-24	W09AMDBCP3-24
2	19690	Flow-total	AMDBCP	ft3	06-Jun-24	W10AMDBCP3-24
2	19776	Flow-total	AMDBCP	ft3	13-Jun-24	W11AMDBCP3-24
2	20276	Flow-total	AMDBCP	ft3	20-Jun-24	W12AMDBCP3-24
2	20113	Flow-total	AMDBCP	ft3	27-Jun-24	W13AMDBCP3-24
Total	**264698**	**7496**				
2	23191	Flow-total	AMDNE	ft3	04-Apr-24	W01AMDNE3-24
2	19906	Flow-total	AMDNE	ft3	11-Apr-24	W02AMDNE3-24
2	20122	Flow-total	AMDNE	ft3	18-Apr-24	W03AMDNE3-24
2	20543	Flow-total	AMDNE	ft3	25-Apr-24	W04AMDNE3-24
2	19711	Flow-total	AMDNE	ft3	02-May-24	W05AMDNE3-24
2	20159	Flow-total	AMDNE	ft3	09-May-24	W06AMDNE3-24
2	19992	Flow-total	AMDNE	ft3	16-May-24	W07AMDNE3-24
2	20347	Flow-total	AMDNE	ft3	23-May-24	W08AMDNE3-24
2	20404	Flow-total	AMDNE	ft3	30-May-24	W09AMDNE3-24
2	19695	Flow-total	AMDNE	ft3	06-Jun-24	W10AMDNE3-24
2	19900	Flow-total	AMDNE	ft3	13-Jun-24	W11AMDNE3-24
2	20120	Flow-total	AMDNE	ft3	20-Jun-24	W12AMDNE3-24
2	20285	Flow-total	AMDNE	ft3	27-Jun-24	W13AMDNE3-24
Total	**264375**	**7487**				
3	17021	Flow-total	AMD002	ft3	03-Jul-24	W01AMD0024-24
3	22896	Flow-total	AMD002	ft3	11-Jul-24	W02AMD0024-24
3	20122	Flow-total	AMD002	ft3	18-Jul-24	W03AMD0024-24
3	20170	Flow-total	AMD002	ft3	25-Jul-24	W04AMD0024-24
3	20075	Flow-total	AMD002	ft3	01-Aug-24	W05AMD0024-24
3	20180	Flow-total	AMD002	ft3	08-Aug-24	W06AMD0024-24
3	19966	Flow-total	AMD002	ft3	15-Aug-24	W07AMD0024-24
3	20188	Flow-total	AMD002	ft3	22-Aug-24	W08AMD0024-24
3	20285	Flow-total	AMD002	ft3	29-Aug-24	W09AMD0024-24
3	19913	Flow-total	AMD002	ft3	05-Sep-24	W10AMD0024-24
3	20072	Flow-total	AMD002	ft3	12-Sep-24	W11AMD0024-24
3	20118	Flow-total	AMD002	ft3	19-Sep-24	W12AMD0024-24
3	20742	Flow-total	AMD002	ft3	26-Sep-24	W13AMD0024-24
Total	**261748**	**7413**				
3	17020	Flow-total	AMD012	ft3	03-Jul-24	W01AMD0124-24
3	22900	Flow-total	AMD012	ft3	11-Jul-24	W02AMD0124-24
3	20129	Flow-total	AMD012	ft3	18-Jul-24	W03AMD0124-24
3	20169	Flow-total	AMD012	ft3	25-Jul-24	W04AMD0124-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
3	20067	Flow-total	AMD012	ft3	01-Aug-24	W05AMD0124-24
3	20184	Flow-total	AMD012	ft3	08-Aug-24	W06AMD0124-24
3	19968	Flow-total	AMD012	ft3	15-Aug-24	W07AMD0124-24
3	20190	Flow-total	AMD012	ft3	22-Aug-24	W08AMD0124-24
3	20296	Flow-total	AMD012	ft3	29-Aug-24	W09AMD0124-24
3	19913	Flow-total	AMD012	ft3	05-Sep-24	W10AMD0124-24
3	20086	Flow-total	AMD012	ft3	12-Sep-24	W11AMD0124-24
3	20108	Flow-total	AMD012	ft3	19-Sep-24	W12AMD0124-24
3	20743	Flow-total	AMD012	ft3	26-Sep-24	W13AMD0124-24
Total	**261773**	**7413**				
3	16878	Flow-total	AMD015	ft3	03-Jul-24	W01AMD0154-24
3	22915	Flow-total	AMD015	ft3	11-Jul-24	W02AMD0154-24
3	20119	Flow-total	AMD015	ft3	18-Jul-24	W03AMD0154-24
3	20167	Flow-total	AMD015	ft3	25-Jul-24	W04AMD0154-24
3	20056	Flow-total	AMD015	ft3	01-Aug-24	W05AMD0154-24
3	20176	Flow-total	AMD015	ft3	08-Aug-24	W06AMD0154-24
3	19979	Flow-total	AMD015	ft3	15-Aug-24	W07AMD0154-24
3	20191	Flow-total	AMD015	ft3	22-Aug-24	W08AMD0154-24
3	20376	Flow-total	AMD015	ft3	29-Aug-24	W09AMD0154-24
3	19825	Flow-total	AMD015	ft3	05-Sep-24	W10AMD0154-24
3	20084	Flow-total	AMD015	ft3	12-Sep-24	W11AMD0154-24
3	20113	Flow-total	AMD015	ft3	19-Sep-24	W12AMD0154-24
3	20724	Flow-total	AMD015	ft3	26-Sep-24	W13AMD0154-24
Total	**261603**	**7409**				
3	17015	Flow-total	AMD57	ft3	03-Jul-24	W01AMD574-24
3	22899	Flow-total	AMD57	ft3	11-Jul-24	W02AMD574-24
3	20120	Flow-total	AMD57	ft3	18-Jul-24	W03AMD574-24
3	20163	Flow-total	AMD57	ft3	25-Jul-24	W04AMD574-24
3	20058	Flow-total	AMD57	ft3	01-Aug-24	W05AMD574-24
3	20190	Flow-total	AMD57	ft3	08-Aug-24	W06AMD574-24
3	19965	Flow-total	AMD57	ft3	15-Aug-24	W07AMD574-24
3	20184	Flow-total	AMD57	ft3	22-Aug-24	W08AMD574-24
3	20328	Flow-total	AMD57	ft3	29-Aug-24	W09AMD574-24
3	19875	Flow-total	AMD57	ft3	05-Sep-24	W10AMD574-24
3	20084	Flow-total	AMD57	ft3	12-Sep-24	W11AMD574-24
3	20100	Flow-total	AMD57	ft3	19-Sep-24	W12AMD574-24
3	20732	Flow-total	AMD57	ft3	26-Sep-24	W13AMD574-24
Total	**261713**	**7412**				
3	16819	Flow-total	AMD612	ft3	03-Jul-24	W01AMD6124-24
3	22957	Flow-total	AMD612	ft3	11-Jul-24	W02AMD6124-24
3	20182	Flow-total	AMD612	ft3	18-Jul-24	W03AMD6124-24
3	20131	Flow-total	AMD612	ft3	25-Jul-24	W04AMD6124-24
3	20127	Flow-total	AMD612	ft3	01-Aug-24	W05AMD6124-24
3	20268	Flow-total	AMD612	ft3	08-Aug-24	W06AMD6124-24
3	19998	Flow-total	AMD612	ft3	15-Aug-24	W07AMD6124-24
3	20242	Flow-total	AMD612	ft3	22-Aug-24	W08AMD6124-24
3	20437	Flow-total	AMD612	ft3	29-Aug-24	W09AMD6124-24
3	19869	Flow-total	AMD612	ft3	05-Sep-24	W10AMD6124-24
3	20147	Flow-total	AMD612	ft3	12-Sep-24	W11AMD6124-24
3	20156	Flow-total	AMD612	ft3	19-Sep-24	W12AMD6124-24
3	20775	Flow-total	AMD612	ft3	26-Sep-24	W13AMD6124-24
Total	**262108**	**7423**				
3	17911	Flow-total	AMD746S	ft3	03-Jul-24	W01AMD746S4-24
3	22886	Flow-total	AMD746S	ft3	11-Jul-24	W02AMD746S4-24

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
3	20128	Flow-total	AMD746S	ft3	18-Jul-24	W03AMD746S4-24
3	20221	Flow-total	AMD746S	ft3	25-Jul-24	W04AMD746S4-24
3	20000	Flow-total	AMD746S	ft3	01-Aug-24	W05AMD746S4-24
3	20170	Flow-total	AMD746S	ft3	08-Aug-24	W06AMD746S4-24
3	19964	Flow-total	AMD746S	ft3	15-Aug-24	W07AMD746S4-24
3	20173	Flow-total	AMD746S	ft3	22-Aug-24	W08AMD746S4-24
3	20097	Flow-total	AMD746S	ft3	29-Aug-24	W09AMD746S4-24
3	20083	Flow-total	AMD746S	ft3	05-Sep-24	W10AMD746S4-24
3	20201	Flow-total	AMD746S	ft3	12-Sep-24	W11AMD746S4-24
3	19991	Flow-total	AMD746S	ft3	19-Sep-24	W12AMD746S4-24
3	20712	Flow-total	AMD746S	ft3	26-Sep-24	W13AMD746S4-24
Total	**262537**	**7435**				
3	17068	Flow-total	AMD746U	ft3	03-Jul-24	W01AMD746U4-24
3	22961	Flow-total	AMD746U	ft3	11-Jul-24	W02AMD746U4-24
3	20180	Flow-total	AMD746U	ft3	18-Jul-24	W03AMD746U4-24
3	20279	Flow-total	AMD746U	ft3	25-Jul-24	W04AMD746U4-24
3	20057	Flow-total	AMD746U	ft3	01-Aug-24	W05AMD746U4-24
3	20176	Flow-total	AMD746U	ft3	08-Aug-24	W06AMD746U4-24
3	19970	Flow-total	AMD746U	ft3	15-Aug-24	W07AMD746U4-24
3	20186	Flow-total	AMD746U	ft3	22-Aug-24	W08AMD746U4-24
3	20135	Flow-total	AMD746U	ft3	29-Aug-24	W09AMD746U4-24
3	20066	Flow-total	AMD746U	ft3	05-Sep-24	W10AMD746U4-24
3	20212	Flow-total	AMD746U	ft3	12-Sep-24	W11AMD746U4-24
3	19993	Flow-total	AMD746U	ft3	19-Sep-24	W12AMD746U4-24
3	20376	Flow-total	AMD746U	ft3	26-Sep-24	W13AMD746U4-24
Total	**261659**	**7410**				
3	17204	Flow-total	AMDBCP	ft3	03-Jul-24	W01AMDBCP4-24
3	22897	Flow-total	AMDBCP	ft3	11-Jul-24	W02AMDBCP4-24
3	20137	Flow-total	AMDBCP	ft3	18-Jul-24	W03AMDBCP4-24
3	20247	Flow-total	AMDBCP	ft3	25-Jul-24	W04AMDBCP4-24
3	20049	Flow-total	AMDBCP	ft3	01-Aug-24	W05AMDBCP4-24
3	20261	Flow-total	AMDBCP	ft3	08-Aug-24	W06AMDBCP4-24
3	20027	Flow-total	AMDBCP	ft3	15-Aug-24	W07AMDBCP4-24
3	20255	Flow-total	AMDBCP	ft3	22-Aug-24	W08AMDBCP4-24
3	20205	Flow-total	AMDBCP	ft3	29-Aug-24	W09AMDBCP4-24
3	20184	Flow-total	AMDBCP	ft3	05-Sep-24	W10AMDBCP4-24
3	20232	Flow-total	AMDBCP	ft3	12-Sep-24	W11AMDBCP4-24
3	20065	Flow-total	AMDBCP	ft3	19-Sep-24	W12AMDBCP4-24
3	20823	Flow-total	AMDBCP	ft3	26-Sep-24	W13AMDBCP4-24
Total	**262586**	**7436**				
3	17018	Flow-total	AMDNE	ft3	03-Jul-24	W01AMDNE4-24
3	22887	Flow-total	AMDNE	ft3	11-Jul-24	W02AMDNE4-24
3	20125	Flow-total	AMDNE	ft3	18-Jul-24	W03AMDNE4-24
3	20234	Flow-total	AMDNE	ft3	25-Jul-24	W04AMDNE4-24
3	19996	Flow-total	AMDNE	ft3	01-Aug-24	W05AMDNE4-24
3	20172	Flow-total	AMDNE	ft3	08-Aug-24	W06AMDNE4-24
3	19968	Flow-total	AMDNE	ft3	15-Aug-24	W07AMDNE4-24
3	20175	Flow-total	AMDNE	ft3	22-Aug-24	W08AMDNE4-24
3	20132	Flow-total	AMDNE	ft3	29-Aug-24	W09AMDNE4-24
3	20060	Flow-total	AMDNE	ft3	05-Sep-24	W10AMDNE4-24
3	20203	Flow-total	AMDNE	ft3	12-Sep-24	W11AMDNE4-24
3	19989	Flow-total	AMDNE	ft3	19-Sep-24	W12AMDNE4-24
3	20731	Flow-total	AMDNE	ft3	26-Sep-24	W13AMDNE4-24
Total	**261690**	**7411**				

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
4	19559	Flow-total	AMD002	ft3	03-Oct-24	W01AMD0021-25
4	20050	Flow-total	AMD002	ft3	10-Oct-24	W02AMD0021-25
4	20129	Flow-total	AMD002	ft3	17-Oct-24	W03AMD0021-25
4	20060	Flow-total	AMD002	ft3	24-Oct-24	W04AMD0021-25
4	20664	Flow-total	AMD002	ft3	31-Oct-24	W05AMD0021-25
4	19696	Flow-total	AMD002	ft3	07-Nov-24	W06AMD0021-25
4	20125	Flow-total	AMD002	ft3	14-Nov-24	W07AMD0021-25
4	20110	Flow-total	AMD002	ft3	21-Nov-24	W08AMD0021-25
4	14309	Flow-total	AMD002	ft3	26-Nov-24	W09AMD0021-25
4	25879	Flow-total	AMD002	ft3	05-Dec-24	W10AMD0021-25
4	20116	Flow-total	AMD002	ft3	12-Dec-24	W11AMD0021-25
4	20108	Flow-total	AMD002	ft3	19-Dec-24	W12AMD0021-25
4	20192	Flow-total	AMD002	ft3	26-Dec-24	W13AMD0021-25
Total	**260997**	**7391**				
4	19573	Flow-total	AMD012	ft3	03-Oct-24	W01AMD0121-25
4	20038	Flow-total	AMD012	ft3	10-Oct-24	W02AMD0121-25
4	20114	Flow-total	AMD012	ft3	17-Oct-24	W03AMD0121-25
4	20062	Flow-total	AMD012	ft3	24-Oct-24	W04AMD0121-25
4	20667	Flow-total	AMD012	ft3	31-Oct-24	W05AMD0121-25
4	19697	Flow-total	AMD012	ft3	07-Nov-24	W06AMD0121-25
4	20126	Flow-total	AMD012	ft3	14-Nov-24	W07AMD0121-25
4	20109	Flow-total	AMD012	ft3	21-Nov-24	W08AMD0121-25
4	14306	Flow-total	AMD012	ft3	26-Nov-24	W09AMD0121-25
4	25871	Flow-total	AMD012	ft3	05-Dec-24	W10AMD0121-25
4	20105	Flow-total	AMD012	ft3	12-Dec-24	W11AMD0121-25
4	20111	Flow-total	AMD012	ft3	19-Dec-24	W12AMD0121-25
4	20182	Flow-total	AMD012	ft3	26-Dec-24	W13AMD0121-25
Total	**260961**	**7390**				
4	19561	Flow-total	AMD015	ft3	03-Oct-24	W01AMD0151-25
4	20135	Flow-total	AMD015	ft3	10-Oct-24	W02AMD0151-25
4	20201	Flow-total	AMD015	ft3	17-Oct-24	W03AMD0151-25
4	20129	Flow-total	AMD015	ft3	24-Oct-24	W04AMD0151-25
4	20735	Flow-total	AMD015	ft3	31-Oct-24	W05AMD0151-25
4	19767	Flow-total	AMD015	ft3	07-Nov-24	W06AMD0151-25
4	20138.47	Flow-total	AMD015	ft3	14-Nov-24	W07AMD0151-25
4	20166	Flow-total	AMD015	ft3	21-Nov-24	W08AMD0151-25
4	14367	Flow-total	AMD015	ft3	26-Nov-24	W09AMD0151-25
4	25929	Flow-total	AMD015	ft3	05-Dec-24	W10AMD0151-25
4	20190	Flow-total	AMD015	ft3	12-Dec-24	W11AMD0151-25
4	20185	Flow-total	AMD015	ft3	19-Dec-24	W12AMD0151-25
4	20245	Flow-total	AMD015	ft3	26-Dec-24	W13AMD0151-25
Total	**261748**	**7413**				
4	19547	Flow-total	AMD57	ft3	03-Oct-24	W01AMD571-25
4	20058	Flow-total	AMD57	ft3	10-Oct-24	W02AMD571-25
4	20127	Flow-total	AMD57	ft3	17-Oct-24	W03AMD571-25
4	20055	Flow-total	AMD57	ft3	24-Oct-24	W04AMD571-25
4	20659	Flow-total	AMD57	ft3	31-Oct-24	W05AMD571-25
4	19694	Flow-total	AMD57	ft3	07-Nov-24	W06AMD571-25
4	20123	Flow-total	AMD57	ft3	14-Nov-24	W07AMD571-25
4	20093	Flow-total	AMD57	ft3	21-Nov-24	W08AMD571-25
4	14310	Flow-total	AMD57	ft3	26-Nov-24	W09AMD571-25
4	25842	Flow-total	AMD57	ft3	05-Dec-24	W10AMD571-25
4	20109	Flow-total	AMD57	ft3	12-Dec-24	W11AMD571-25
4	20107	Flow-total	AMD57	ft3	19-Dec-24	W12AMD571-25

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
4	20177	Flow-total	AMD57	ft3	26-Dec-24	W13AMD571-25
Total	**260901**	**7389**				
4	19616	Flow-total	AMD612	ft3	03-Oct-24	W01AMD6121-25
4	20119	Flow-total	AMD612	ft3	10-Oct-24	W02AMD6121-25
4	20184	Flow-total	AMD612	ft3	17-Oct-24	W03AMD6121-25
4	20105	Flow-total	AMD612	ft3	24-Oct-24	W04AMD6121-25
4	20719	Flow-total	AMD612	ft3	31-Oct-24	W05AMD6121-25
4	19747	Flow-total	AMD612	ft3	07-Nov-24	W06AMD6121-25
4	20173	Flow-total	AMD612	ft3	14-Nov-24	W07AMD6121-25
4	20152	Flow-total	AMD612	ft3	21-Nov-24	W08AMD6121-25
4	14355	Flow-total	AMD612	ft3	26-Nov-24	W09AMD6121-25
4	25898	Flow-total	AMD612	ft3	05-Dec-24	W10AMD6121-25
4	20164	Flow-total	AMD612	ft3	12-Dec-24	W11AMD6121-25
4	20176	Flow-total	AMD612	ft3	19-Dec-24	W12AMD6121-25
4	20227	Flow-total	AMD612	ft3	26-Dec-24	W13AMD6121-25
Total	**261635**	**7410**				
4	19607	Flow-total	AMD746S	ft3	03-Oct-24	W01AMD746S1-25
4	20008	Flow-total	AMD746S	ft3	10-Oct-24	W02AMD746S1-25
4	20100	Flow-total	AMD746S	ft3	17-Oct-24	W03AMD746S1-25
4	20076	Flow-total	AMD746S	ft3	24-Oct-24	W04AMD746S1-25
4	20264	Flow-total	AMD746S	ft3	31-Oct-24	W05AMD746S1-25
4	20168	Flow-total	AMD746S	ft3	07-Nov-24	W06AMD746S1-25
4	20118	Flow-total	AMD746S	ft3	14-Nov-24	W07AMD746S1-25
4	20067	Flow-total	AMD746S	ft3	21-Nov-24	W08AMD746S1-25
4	14287	Flow-total	AMD746S	ft3	26-Nov-24	W09AMD746S1-25
4	25791	Flow-total	AMD746S	ft3	05-Dec-24	W10AMD746S1-25
4	20110	Flow-total	AMD746S	ft3	12-Dec-24	W11AMD746S1-25
4	20112	Flow-total	AMD746S	ft3	19-Dec-24	W12AMD746S1-25
4	20180	Flow-total	AMD746S	ft3	26-Dec-24	W13AMD746S1-25
Total	**260888**	**7388**				
4	19533	Flow-total	AMD746U	ft3	03-Oct-24	W01AMD746U1-25
4	20065	Flow-total	AMD746U	ft3	10-Oct-24	W02AMD746U1-25
4	20112	Flow-total	AMD746U	ft3	17-Oct-24	W03AMD746U1-25
4	20073	Flow-total	AMD746U	ft3	24-Oct-24	W04AMD746U1-25
4	20275	Flow-total	AMD746U	ft3	31-Oct-24	W05AMD746U1-25
4	20182	Flow-total	AMD746U	ft3	07-Nov-24	W06AMD746U1-25
4	20129	Flow-total	AMD746U	ft3	14-Nov-24	W07AMD746U1-25
4	20076	Flow-total	AMD746U	ft3	21-Nov-24	W08AMD746U1-25
4	14302	Flow-total	AMD746U	ft3	26-Nov-24	W09AMD746U1-25
4	25805	Flow-total	AMD746U	ft3	05-Dec-24	W10AMD746U1-25
4	20113	Flow-total	AMD746U	ft3	12-Dec-24	W11AMD746U1-25
4	20099	Flow-total	AMD746U	ft3	19-Dec-24	W12AMD746U1-25
4	20238	Flow-total	AMD746U	ft3	26-Dec-24	W13AMD746U1-25
Total	**261002**	**7392**				
4	19652	Flow-total	AMDBCP	ft3	03-Oct-24	W01AMDBCP1-25
4	20086	Flow-total	AMDBCP	ft3	10-Oct-24	W02AMDBCP1-25
4	19715	Flow-total	AMDBCP	ft3	17-Oct-24	W03AMDBCP1-25
4	20065	Flow-total	AMDBCP	ft3	24-Oct-24	W04AMDBCP1-25
4	20086	Flow-total	AMDBCP	ft3	31-Oct-24	W05AMDBCP1-25
4	20200	Flow-total	AMDBCP	ft3	07-Nov-24	W06AMDBCP1-25
4	20115	Flow-total	AMDBCP	ft3	14-Nov-24	W07AMDBCP1-25
4	20082	Flow-total	AMDBCP	ft3	21-Nov-24	W08AMDBCP1-25
4	14302	Flow-total	AMDBCP	ft3	26-Nov-24	W09AMDBCP1-25
4	25915	Flow-total	AMDBCP	ft3	05-Dec-24	W10AMDBCP1-25

Table A.3. Weekly Flow Data (Continued)

QUARTER	RESULTS	CHEMICAL_NAME	STA_NAME	UNITS	D_COLLECTED	PROJ_SAMPLE_ID
4	20129	Flow-total	AMDBCP	ft3	12-Dec-24	W11AMDBCP1-25
4	20114	Flow-total	AMDBCP	ft3	19-Dec-24	W12AMDBCP1-25
4	19956	Flow-total	AMDBCP	ft3	26-Dec-24	W13AMDBCP1-25
Total	**260417**	**7375**				
4	19595	Flow-total	AMDNE	ft3	03-Oct-24	W01AMDNE1-25
4	20006	Flow-total	AMDNE	ft3	10-Oct-24	W02AMDNE1-25
4	20091	Flow-total	AMDNE	ft3	17-Oct-24	W03AMDNE1-25
4	20078	Flow-total	AMDNE	ft3	24-Oct-24	W04AMDNE1-25
4	20265	Flow-total	AMDNE	ft3	31-Oct-24	W05AMDNE1-25
4	20169	Flow-total	AMDNE	ft3	07-Nov-24	W06AMDNE1-25
4	20070	Flow-total	AMDNE	ft3	14-Nov-24	W07AMDNE1-25
4	20116	Flow-total	AMDNE	ft3	21-Nov-24	W08AMDNE1-25
4	14296	Flow-total	AMDNE	ft3	26-Nov-24	W09AMDNE1-25
4	25812	Flow-total	AMDNE	ft3	05-Dec-24	W10AMDNE1-25
4	20112	Flow-total	AMDNE	ft3	12-Dec-24	W11AMDNE1-25
4	20107	Flow-total	AMDNE	ft3	19-Dec-24	W12AMDNE1-25
4	20137	Flow-total	AMDNE	ft3	26-Dec-24	W13AMDNE1-25
Total	**260854**	**7387**				

THIS PAGE INTENTIONALLY LEFT BLANK