Radiation Inspection Branch Environmental Monitoring Summary

2024

NOTE: Items within these environmental summaries have been removed due to confidential homeland security information under The Texas Public Information Act and House Bill 9, Gov. § code 418.

TEXAS
Health and Human Services

Texas Department of State Health Services

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Introduction

The document consists of the date collected for each monitoring point at each facility. The data is presented in the same manner as in the past. Limits of detection were not included with the data in an effort to reduce the space required for data entry. A listing of expected limits of detection for various media, geometries, and radionuclides is found in the appendices. Maps of the facilities are included, but some details have been omitted. Specific information about individual facilities can be found in the license files. Redacted copies of this and previous annual reports can be found at:

https://www.dshs.state.tx.us/radiation/ram/environmental-monitoring.aspx

All analyses of environmental media, i.e., soil, air, water, vegetation, and sewage are performed by the Texas Department of State Health Services (DSHS), Laboratory Services Section. The Laboratory Services Section operates a highly capable radio-chemistry program. Currently, the Environmental Sciences Branch participates in a program sponsored by the United States Department of Energy (USDOE), referred to as Department of Energy Laboratory Accreditation Program. It was developed by the USDOE in order to provide quality assurance and control for USDOE contractors. The most recent results of the Laboratory Services Section's performance in these "cross checks" can be found in the appendices to this document.

Landauer, Inc. performs Optically Stimulated Luminescence (OSL) readings for the facilities that have neutron sources. Approximately 200 OSLs are exchanged and read each calendar quarter. Background is subtracted from all station readings except for Comanche Peak Nuclear Power Plant, South Texas Project, and Pantex. Background is not subtracted from these three locations because the readings identify ambient doses.

Analysis of sample data from the monitored facilities indicated no release of radioactive material to the environment that exceeded the regulatory or license limits of the DSHS or any other agency such as the United States Nuclear Regulatory Commission or the USDOE. Some of the OSL readings at a few of the monitored facilities exceeded to 100mrem for the year. All licensed facilities are required by rule to document that exposures from conducting operations do not cause doses in excess of the regulatory limits to employees or individual members of the general public. The documentation is maintained for inspection by the Radiation Branch. Licensees are allowed to use mitigating factors, such as occupancy times and distance to the nearest occupied areas, in demonstrating compliance with those limits. Taking into account occupancy factors, all facilities monitored during the 2023 calendar year were found to be in compliance with radiation dose limits. Any questions should be directed to Lisa Bruedigan at 512-924-6862 or Lisa Bruedigan@dshs.texas.gov

Lisa Bruedigan

Lisa Bruedigan

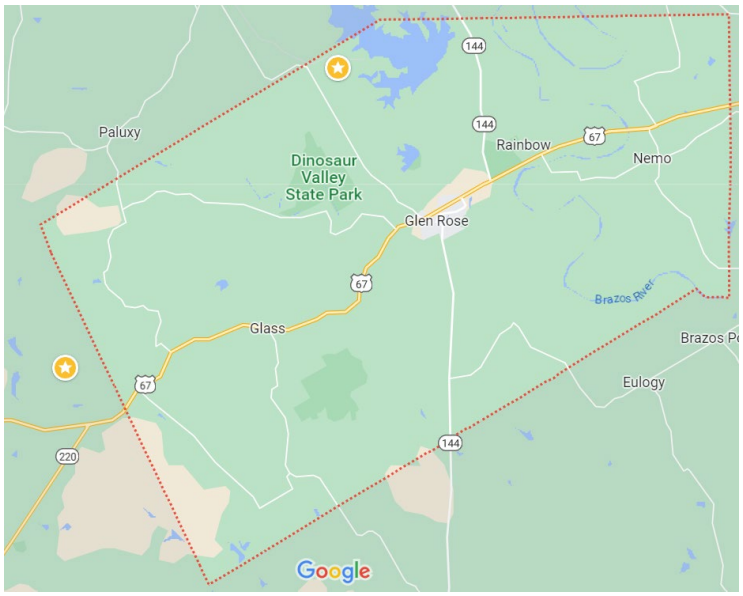
Fixed Nuclear Facilities

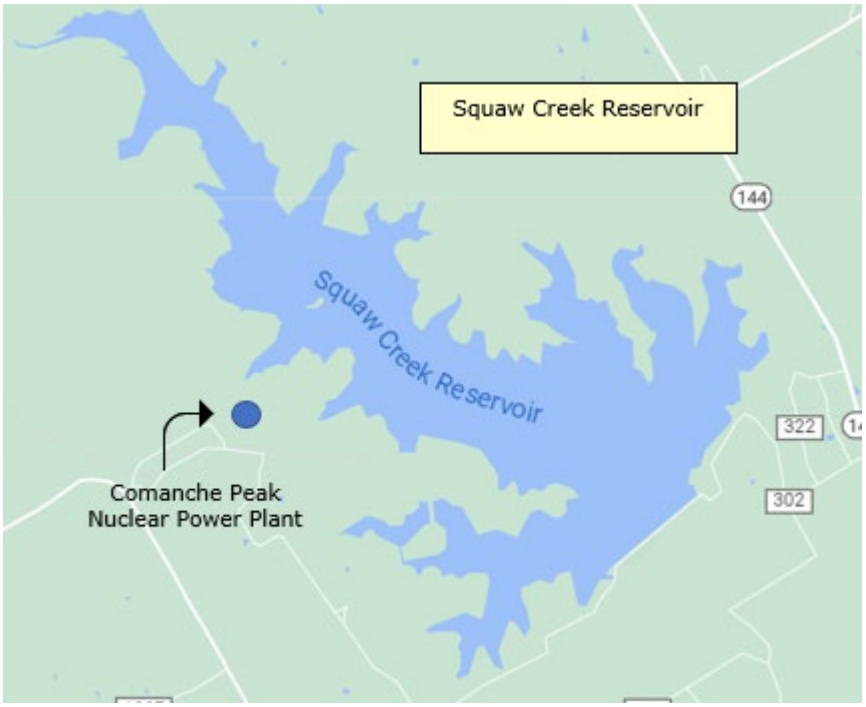
Comanche Peak Nuclear Power Plant
Radiation Branch Site No. 031

Comanche Peak Nuclear Power Plant (CPNPP) is a two-unit nuclear-fueled power plant owned and operated by Luminant Power, a subsidiary of Vistra Corp. The plant is located in Somervell County four and one-half miles northwest of Glen Rose and approximately 80 miles southwest of downtown Dallas.

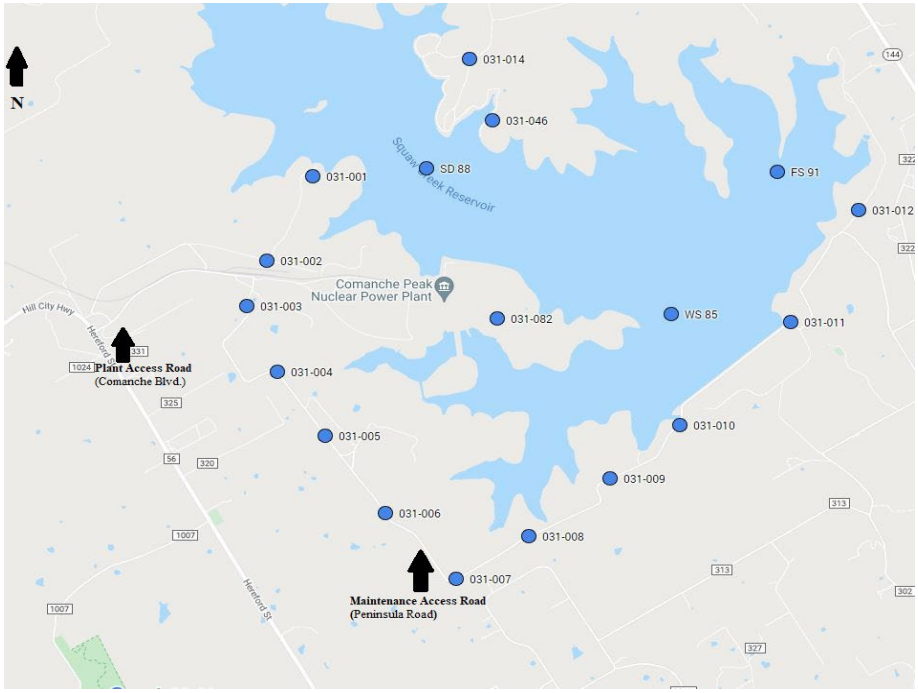
CPNPP, Luminant Power's sole nuclear power plant, with an operating capacity of 2,500 megawatts [two Westinghouse 1,250 megawatt (electric) pressurized water reactor units], began operation in 1990, although fuel had been received on-site in 1982-1983. The plant has approximately 1,300 employees. The Radiation Branch Surveillance Program consists of OSL monitoring and sampling air, fish, food products, sediment, vegetation, and water.

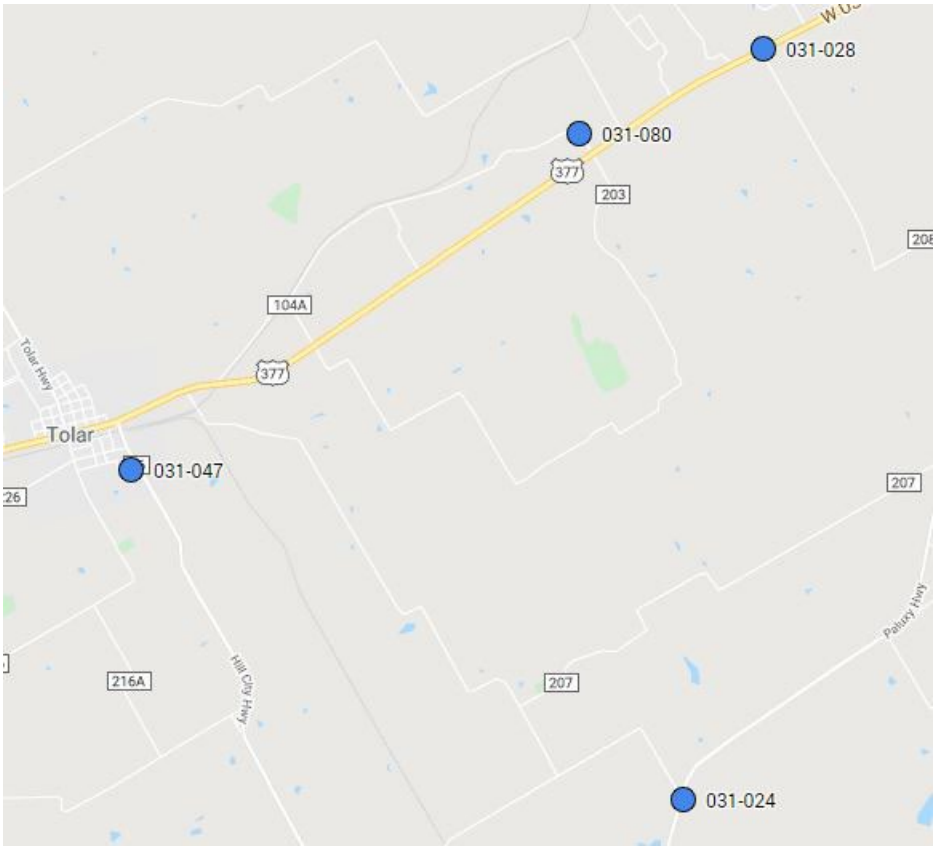
Shaded area indicates location of Somervell County



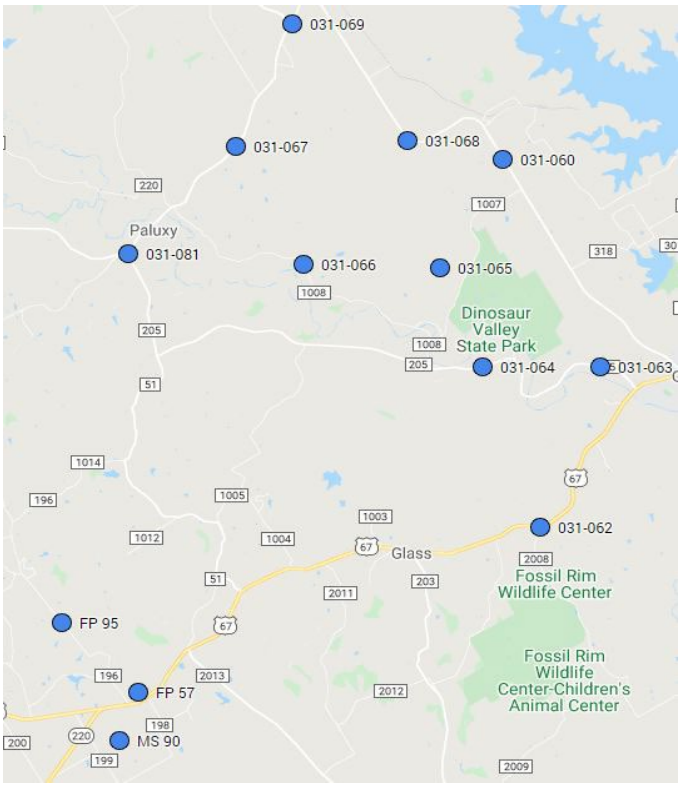


Comanche Peak Nuclear Power Plant
Monitoring Station Locations





Comanche Peak Nuclear Power Plant
Monitoring Station Locations



Comanche Peak Nuclear Power Plant
Environmental Sample Results

Optically Stimulated Luminescent Dosimeter (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	27	32	29	33	121	
2	29	32	28	33	122	
3	25	31	27	31	114	
4	28	33	30	34	125	
5	29	32	28	33	122	
6	26	32	29	33	120	
7	26	29	27	32	114	
8	28	30	28	32	118	
9	28	31	29	34	122	
10	28	31	28	33	120	
11	27	27	26	31	111	
12	29	32	30	0	91	QTR 4 OSL not found
14	29	31	29	34	123	
24	26	30	29	32	117	
28	28	32	30	34	124	
30	29	32	29	34	124	
39	28	34	28	33	123	
46	28	32	28	33	121	
47	27	32	30	32	121	
49	28	33	29	32	122	
60	27	31	29	34	121	
61	26	30	27	32	115	
62	28	32	30	32	122	
63	31	35	30	35	131	
64	27	32	30	0	89	QTR 4 OSL not found
65	25	29	27	30	111	
66	26	31	28	32	117	
67	26	30	29	33	118	
68	25	30	28	30	113	
69	24	29	27	31	111	
70	29	31	28	33	121	
71	29	31	29	34	123	
72	27	32	30	31	120	
73	29	29	28	32	118	
74	26	29	30	33	118	
75	27	30	28	31	116	
76	27	31	28	34	120	
77	27	28	27	32	114	
78	26	30	27	33	116	
79	28	30	28	33	119	
80	26	31	28	33	118	
81	28	40	28	32	128	
82	28	30	29	31	118	

NOTE: [1]*Background is not subtracted from the data*
[2]*An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.*

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Composite Samples					
1/30/2024	AG68487	001	Ba-140	<9.2e-6	µCi/mL
			Be-7	1.33e-4	µCi/mL
			Co-58	<2.5e-6	µCi/mL
			Co-60	<2.9e-6	µCi/mL
			Cs-134	<2.4e-6	µCi/mL
			Cs-137	<2.9e-6	µCi/mL
			Fe-59	<4.8e-6	µCi/mL
			I-131	<2.6e-6	µCi/mL
			La-140	<3.2e-6	µCi/mL
			Mn-54	<2.7e-6	µCi/mL
			Nb-95	<2.6e-6	µCi/mL
			Zn-65	<5.2e-6	µCi/mL
			Zr-95	<4.2e-6	µCi/mL
5/6/2024	AG80382	001	Ba-140	<7.6e-6	µCi/mL
			Be-7	1.94e-4	µCi/mL
			Co-58	<2.3e-6	µCi/mL
			Co-60	<2.6e-6	µCi/mL
			Cs-134	<2.4e-6	µCi/mL
			Cs-137	<2.7e-6	µCi/mL
			Fe-59	<4.8e-6	µCi/mL
			I-131	<2.3e-6	µCi/mL
			La-140	<3.1e-6	µCi/mL
			Mn-54	<2.4e-6	µCi/mL
			Nb-95	<2.4e-6	µCi/mL
			Zn-65	<5.7e-6	µCi/mL
			Zr-95	<4.2e-6	µCi/mL
9/6/2024	AG92266	001	Ba-140	<9.7e-6	µCi/mL
			Be-7	1.45e-4	µCi/mL
			Co-58	<2.4e-6	µCi/mL
			Co-60	<3.2e-6	µCi/mL
			Cs-134	<2.6e-6	µCi/mL
			Cs-137	<3.3e-6	µCi/mL
			Fe-59	<5.4e-6	µCi/mL
			I-131	<2.7e-6	µCi/mL
			La-140	<3.4e-6	µCi/mL
			Mn-54	<2.9e-6	µCi/mL
			Nb-95	<2.9e-6	µCi/mL
			Zn-65	<7.1e-6	µCi/mL
			Zr-95	<4.6e-6	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Composite Samples					
12/18/2024	AH03068	001	Ba-140	<8.2e-6	µCi/mL
			Be-7	1.27e-4	µCi/mL
			Co-58	<2.5e-6	µCi/mL
			Co-60	<2.8e-6	µCi/mL
			Cs-134	<2.3e-6	µCi/mL
			Cs-137	<3.1e-6	µCi/mL
			Fe-59	<5.1e-6	µCi/mL
			I-131	<2.2e-6	µCi/mL
			K-40	4.5e-5	µCi/mL
			La-140	<2.9e-6	µCi/mL
			Mn-54	<2.5e-6	µCi/mL
			Nb-95	<2.6e-6	µCi/mL
			Zn-65	<6.3e-6	µCi/mL
			Zr-95	<4.7e-6	µCi/mL
1/30/2024	AG68488	057	Ba-140	<3.9e-6	µCi/mL
			Be-7	2.95e-4	µCi/mL
			Co-58	<1.3e-6	µCi/mL
			Co-60	<1.8e-6	µCi/mL
			Cs-134	<1.4e-6	µCi/mL
			Cs-137	<1.3e-6	µCi/mL
			Fe-59	<2.8e-6	µCi/mL
			I-131	<1.1e-6	µCi/mL
			K-40	4.8e-5	µCi/mL
			La-140	<1.9e-6	µCi/mL
			Mn-54	<1.4e-6	µCi/mL
			Nb-95	<1.3e-6	µCi/mL
			Zn-65	<3.2e-6	µCi/mL
			Zr-95	<2.1e-6	µCi/mL
5/6/2024	AG80383	057	Ba-140	<6.4e-6	µCi/mL
			Be-7	2.26e-4	µCi/mL
			Co-58	<2.1e-6	µCi/mL
			Co-60	<2.5e-6	µCi/mL
			Cs-134	<2.0e-6	µCi/mL
			Cs-137	<2.1e-6	µCi/mL
			Fe-59	<4.3e-6	µCi/mL
			I-131	<1.9e-6	µCi/mL
			La-140	<2.5e-6	µCi/mL
			Mn-54	<2.0e-6	µCi/mL
			Nb-95	<2.0e-6	µCi/mL
			Zn-65	<5.2e-6	µCi/mL
			Zr-95	<3.5e-6	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Composite Samples					
9/6/2024	AG92267	057	Ba-140	<9.9e-6	µCi/mL
			Be-7	1.82e-4	µCi/mL
			Co-58	<2.6e-6	µCi/mL
			Co-60	<3.1e-6	µCi/mL
			Cs-134	<2.8e-6	µCi/mL
			Cs-137	<3.3e-6	µCi/mL
			Fe-59	<5.2e-6	µCi/mL
			I-131	<2.7e-6	µCi/mL
			La-140	<3.5e-6	µCi/mL
			Mn-54	<2.5e-6	µCi/mL
			Nb-95	<2.8e-6	µCi/mL
			Zn-65	<6.4e-6	µCi/mL
			Zr-95	<4.6e-6	µCi/mL
12/18/2024	AH03069	057	Ba-140	<8.2e-6	µCi/mL
			Be-7	1.46e-4	µCi/mL
			Co-58	<2.2e-6	µCi/mL
			Co-60	<2.7e-6	µCi/mL
			Cs-134	<2.4e-6	µCi/mL
			Cs-137	<2.2e-6	µCi/mL
			Fe-59	<5.0e-6	µCi/mL
			I-131	<2.2e-6	µCi/mL
			La-140	<3.1e-6	µCi/mL
			Mn-54	<2.2e-6	µCi/mL
			Nb-95	<2.3e-6	µCi/mL
			Zn-65	<5.2e-6	µCi/mL
			Zr-95	<3.8e-6	µCi/mL

Comanche Peak Nuclear Power Plant

Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
1/2/2024	AG67377	001	I-131	<5.6e-15	µCi/mL
			K-40	2.92e-13	µCi/mL
1/9/2024	AG67954	001	I-131	<5.3e-15	µCi/mL
			K-40	2.22e-13	µCi/mL
1/16/2024	AG68615	001	I-131	<5.7e-15	µCi/mL
			K-40	2.88e-13	µCi/mL
			Pb-214	1.24e-14	µCi/mL
1/23/2024	AG69437	001	I-131	<5.4e-15	µCi/mL
			K-40	2.83e-13	µCi/mL
1/30/2024	AG70560	001	I-131	<5.5e-15	µCi/mL
			K-40	2.42e-13	µCi/mL
2/6/2024	AG71685	001	I-131	<5.2e-15	µCi/mL
			K-40	1.76e-13	µCi/mL
2/13/2024	AG72869	001	I-131	<5.1e-15	µCi/mL
			K-40	2.90e-13	µCi/mL
2/20/2024	AG73865	001	I-131	<5.7e-15	µCi/mL
			K-40	2.22e-13	µCi/mL
2/27/2024	AG75078	001	I-131	<5.2e-15	µCi/mL
			K-40	2.40e-13	µCi/mL
3/5/2024	AG76053	001	I-131	<5.2e-15	µCi/mL
			K-40	2.00e-13	µCi/mL
3/12/2024	AG77162	001	I-131	<5.2e-15	µCi/mL
			K-40	2.40e-13	µCi/mL
3/19/2024	AG78118	001	I-131	<5.2e-15	µCi/mL
			K-40	2.45e-13	µCi/mL
3/26/2024	AG79070	001	I-131	<5.1e-15	µCi/mL
			K-40	2.65e-13	µCi/mL
4/2/2024	AG79866	001	I-131	<5.1e-15	µCi/mL
			K-40	2.40e-13	µCi/mL
4/9/2024	AG80758	001	I-131	<5.4e-15	µCi/mL
			K-40	1.95e-13	µCi/mL
4/16/2024	AG81619	001	I-131	<5.1e-15	µCi/mL
			K-40	2.18e-13	µCi/mL
4/23/2024	AG82395	001	I-131	<5.6e-15	µCi/mL
			K-40	2.88e-13	µCi/mL
4/30/2024	AG83076	001	I-131	<5.5e-15	µCi/mL
			K-40	1.77e-13	µCi/mL
5/7/2024	AG84009	001	I-131	<5.1e-15	µCi/mL
			K-40	3.18e-13	µCi/mL
5/14/2024	AG85056	001	I-131	<5.3e-15	µCi/mL
			K-40	2.62e-13	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
5/21/2024	AG85987	001	I-131	<5.3e-15	µCi/mL
			K-40	1.67e-13	µCi/mL
5/28/2024	AG87166	001	I-131	<3.3e-15	µCi/mL
			K-40	3.07e-13	µCi/mL
6/4/2024	AG87591	001	I-131	<3.9e-15	µCi/mL
			K-40	2.57e-13	µCi/mL
6/11/2024	AG88459	001	I-131	<5.9e-15	µCi/mL
			K-40	1.72e-13	µCi/mL
6/18/2024	AG89209	001	I-131	<5.2e-15	µCi/mL
			K-40	4.30e-13	µCi/mL
6/25/2024	AG90155	001	I-131	<5.2e-15	µCi/mL
			K-40	4.10e-13	µCi/mL
7/2/2024	AG90815	001	I-131	<6.1e-15	µCi/mL
			K-40	1.97e-13	µCi/mL
7/9/2024	AG91007	001	I-131	<5.6e-15	µCi/mL
			K-40	2.37e-13	µCi/mL
7/16/2024	AG91894	001	I-131	<5.9e-15	µCi/mL
			K-40	2.30e-13	µCi/mL
7/23/2024	AG92732	001	I-131	<5.9e-15	µCi/mL
			K-40	2.18e-13	µCi/mL
7/30/2024	AG93665	001	I-131	<5.5e-15	µCi/mL
			K-40	2.31e-13	µCi/mL
8/6/2024	AG94332	001	I-131	<5.5e-15	µCi/mL
			K-40	1.85e-13	µCi/mL
8/13/2024	AG95462	001	I-131	<5.7e-15	µCi/mL
			K-40	2.28e-13	µCi/mL
8/20/2024	AG96231	001	I-131	<5.7e-15	µCi/mL
			K-40	2.13e-13	µCi/mL
8/27/2024	AG97232	001	I-131	<5.5e-15	µCi/mL
			K-40	2.42e-13	µCi/mL
9/3/2024	AG97829	001	I-131	<6.0e-15	µCi/mL
			K-40	2.34e-13	µCi/mL
9/17/2024	AG99711	001	I-131	<2.4e-15	µCi/mL
			K-40	2.57e-13	µCi/mL
9/24/2024	AH00417	001	I-131	<2.3e-15	µCi/mL
			K-40	2.35e-13	µCi/mL
10/1/2024	AH01136	001	I-131	<4.6e-15	µCi/mL
			K-40	1.76e-13	µCi/mL
10/8/2024	AH02104	001	I-131	<4.9e-15	µCi/mL
			K-40	2.14e-13	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
10/15/2024	AH02636	001	I-131	<4.5e-15	µCi/mL
			K-40	2.43e-13	µCi/mL
10/22/2024	AH03350	001	I-131	<4.5e-15	µCi/mL
			K-40	2.42e-13	µCi/mL
10/29/2024	AH04168	001	I-131	<4.5e-15	µCi/mL
			K-40	2.01e-13	µCi/mL
11/5/2024	AH04842	001	I-131	<4.6e-15	µCi/mL
			K-40	2.00e-13	µCi/mL
11/12/2024	AH05700	001	I-131	<4.4e-15	µCi/mL
			K-40	1.78e-13	µCi/mL
11/19/2024	AH06527	001	I-131	<4.5e-15	µCi/mL
			K-40	1.88e-13	µCi/mL
11/26/2024	AH07310	001	I-131	<6.3e-15	µCi/mL
			K-40	1.72e-13	µCi/mL
12/3/2024	AH08006	001	I-131	<4.8e-15	µCi/mL
			K-40	1.95e-13	µCi/mL
12/12/2024	AH08787	001	I-131	<5.4e-15	µCi/mL
			K-40	1.99e-13	µCi/mL
12/17/2024	AH09455	001	I-131	<4.4e-15	µCi/mL
			K-40	2.14e-13	µCi/mL
12/23/2024	AH09714	001	I-131	<7.8e-15	µCi/mL
			K-40	2.89e-13	µCi/mL
12/31/2024	AH09772	001	I-131	<7.7e-15	µCi/mL
			K-40	1.86e-13	µCi/mL
1/2/2024	AG67379	057	I-131	<4.1e-15	µCi/mL
			K-40	3.62e-13	µCi/mL
1/9/2024	AG67956	057	I-131	<5.3e-15	µCi/mL
			K-40	2.17e-13	µCi/mL
1/16/2024	AG68617	057	I-131	<5.8e-15	µCi/mL
			K-40	2.23e-13	µCi/mL
1/23/2024	AG69439	057	I-131	<5.4e-15	µCi/mL
			K-40	2.87e-13	µCi/mL
1/30/2024	AG70562	057	I-131	<5.2e-15	µCi/mL
			K-40	2.35e-13	µCi/mL
2/6/2024	AG71687	057	I-131	<5.4e-15	µCi/mL
			K-40	2.29e-13	µCi/mL
2/13/2024	AG72871	057	I-131	<5.5e-15	µCi/mL
			K-40	2.02e-13	µCi/mL
2/20/2024	AG73863	057	I-131	<5.2e-15	µCi/mL
			K-40	2.12e-13	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
2/27/2024	AG75080	057	I-131	<5.3e-15	µCi/mL
			K-40	1.93e-13	µCi/mL
3/5/2024	AG76055	057	I-131	<5.6e-15	µCi/mL
			K-40	1.77e-13	µCi/mL
3/12/2024	AG77164	057	I-131	<5.2e-15	µCi/mL
			K-40	2.77e-13	µCi/mL
3/19/2024	AG78120	057	I-131	<5.3e-15	µCi/mL
			K-40	2.35e-13	µCi/mL
3/26/2024	AG79072	057	I-131	<5.6e-15	µCi/mL
			K-40	2.57e-13	µCi/mL
4/2/2024	AG79868	057	I-131	<5.6e-15	µCi/mL
			K-40	2.47e-13	µCi/mL
4/9/2024	AG80760	057	I-131	<5.5e-15	µCi/mL
			K-40	2.84e-13	µCi/mL
4/16/2024	AG81621	057	I-131	<5.5e-15	µCi/mL
			K-40	2.31e-13	µCi/mL
4/23/2024	AG82397	057	I-131	<5.7e-15	µCi/mL
			K-40	2.63e-13	µCi/mL
4/30/2024	AG83078	057	I-131	<5.1e-15	µCi/mL
			K-40	2.74e-13	µCi/mL
5/7/2024	AG84011	057	I-131	<5.5e-15	µCi/mL
			K-40	2.68e-13	µCi/mL
5/14/2024	AG85058	057	I-131	<5.5e-15	µCi/mL
			K-40	2.09e-13	µCi/mL
5/21/2024	AG85989	057	I-131	<5.4e-15	µCi/mL
			K-40	2.10e-13	µCi/mL
5/28/2024	AG87164	057	I-131	<6.1e-15	µCi/mL
			K-40	2.94e-13	µCi/mL
6/4/2024	AG87593	057	I-131	<2.4e-15	µCi/mL
			K-40	3.01e-13	µCi/mL
6/11/2024	AG88650	057	I-131	<5.6e-15	µCi/mL
			K-40	2.12e-13	µCi/mL
6/18/2024	AG89211	057	I-131	<5.2e-15	µCi/mL
			K-40	4.00e-13	µCi/mL
6/25/2024	AG90157	057	I-131	<5.7e-15	µCi/mL
			K-40	3.95e-13	µCi/mL
7/2/2024	AG90817	057	I-131	<6.1e-15	µCi/mL
			K-40	2.60e-13	µCi/mL
7/9/2024	AG91009	057	I-131	<5.8e-15	µCi/mL
			K-40	2.03e-13	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
7/16/2024	AG91896	057	I-131	<2.3e-15	µCi/mL
			K-40	2.31e-13	µCi/mL
7/23/2024	AG92730	057	I-131	<5.5e-15	µCi/mL
			K-40	1.51e-13	µCi/mL
7/30/2024	AG93667	057	I-131	<5.5e-15	µCi/mL
			K-40	2.70e-13	µCi/mL
8/6/2024	AG94334	057	I-131	<5.4e-15	µCi/mL
			K-40	2.44e-13	µCi/mL
8/13/2024	AG95464	057	I-131	<5.9e-15	µCi/mL
			K-40	2.55e-13	µCi/mL
8/20/2024	AG96233	057	I-131	<5.5e-15	µCi/mL
			K-40	2.54e-13	µCi/mL
8/27/2024	AG97234	057	I-131	<5.5e-15	µCi/mL
			K-40	1.90e-13	µCi/mL
9/3/2024	AG97831	057	I-131	<5.9e-15	µCi/mL
			K-40	1.77e-13	µCi/mL
9/10/2024	AG98786	057	I-131	<5.7e-15	µCi/mL
			K-40	2.06e-13	µCi/mL
9/17/2024	AG99713	057	I-131	<5.4e-15	µCi/mL
			K-40	2.32e-13	µCi/mL
9/24/2024	AH00419	057	I-131	<4.5e-15	µCi/mL
			K-40	1.65e-13	µCi/mL
10/1/2024	AH01138	057	I-131	<4.8e-15	µCi/mL
			K-40	2.22e-13	µCi/mL
10/8/2024	AH02106	057	I-131	<4.8e-15	µCi/mL
			K-40	1.91e-13	µCi/mL
10/15/2024	AH02638	057	I-131	<4.6e-15	µCi/mL
			K-40	2.07e-13	µCi/mL
10/22/2024	AH03352	057	I-131	<4.7e-15	µCi/mL
			K-40	1.58e-13	µCi/mL
10/29/2024	AH04166	057	I-131	<4.5e-15	µCi/mL
			K-40	1.99e-13	µCi/mL
11/5/2024	AH04844	057	I-131	<4.7e-15	µCi/mL
			K-40	2.14e-13	µCi/mL
11/12/2024	AH05702	057	I-131	<4.8e-15	µCi/mL
			K-40	2.02e-13	µCi/mL
11/19/2024	AH06529	057	I-131	<4.6e-15	µCi/mL
			K-40	1.92e-13	µCi/mL
11/26/2024	AH07308	057	I-131	<6.2e-15	µCi/mL
			K-40	1.48e-13	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
12/3/2024	AH08008	057	I-131	<5.4e-15	µCi/mL
			K-40	2.22e-13	µCi/mL
12/10/2024	AH08789	057	I-131	<5.7e-15	µCi/mL
			K-40	1.88e-13	µCi/mL
12/17/2024	AH09457	057	I-131	<2.2e-15	µCi/mL
			K-40	2.25e-13	µCi/mL
12/23/2024	AH09716	057	I-131	<8.3e-15	µCi/mL
			K-40	2.59e-13	µCi/mL
12/31/2024	AH09774	057	I-131	<3.2e-15	µCi/mL
			K-40	2.06e-13	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Air Particulates Samples					
1/2/2024	AG67376	001	Gross Beta	1.65e-14	µCi/mL
1/9/2024	AG67953	001	Gross Beta	1.63e-14	µCi/mL
1/16/2024	AG68614	001	Gross Beta	1.59e-14	µCi/mL
1/23/2024	AG69436	001	Gross Beta	3.53e-14	µCi/mL
1/30/2024	AG70559	001	Gross Beta	2.75e-14	µCi/mL
2/6/2024	AG71684	001	Gross Beta	2.93e-14	µCi/mL
2/13/2024	AG72868	001	Gross Beta	2.38e-14	µCi/mL
2/20/2024	AG73864	001	Gross Beta	3.35e-14	µCi/mL
2/27/2024	AG75077	001	Gross Beta	3.24e-14	µCi/mL
3/5/2024	AG76052	001	Gross Beta	2.89e-14	µCi/mL
3/12/2024	AG77161	001	Gross Beta	2.79e-14	µCi/mL
3/19/2024	AG78117	001	Gross Beta	2.61e-14	µCi/mL
3/26/2024	AG79069	001	Gross Beta	2.26e-14	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Particulates Samples					
4/2/2024	AG79865	001	Gross Beta	2.63e-14	µCi/mL
4/9/2024	AG80757	001	Gross Beta	2.13e-14	µCi/mL
4/16/2024	AG81618	001	Gross Beta	7.52e-15	µCi/mL
4/23/2024	AG82394	001	Gross Beta	2.41e-14	µCi/mL
4/30/2024	AG83075	001	Gross Beta	2.18e-14	µCi/mL
5/7/2024	AG84008	001	Gross Beta	1.75e-14	µCi/mL
5/14/2024	AG85055	001	Gross Beta	5.73e-15	µCi/mL
5/21/2024	AG85986	001	Gross Beta	2.63e-14	µCi/mL
5/28/2024	AG87165	001	Gross Beta	2.56e-14	µCi/mL
6/4/2024	AG87590	001	Gross Beta	1.78e-14	µCi/mL
6/11/2024	AG88458	001	Gross Beta	2.42e-14	µCi/mL
6/18/2024	AG89208	001	Gross Beta	2.57e-14	µCi/mL
6/25/2024	AG90154	001	Gross Beta	1.75e-14	µCi/mL
7/2/2024	AG90814	001	Gross Beta	1.61e-14	µCi/mL
7/9/2024	AG91006	001	Gross Beta	2.08e-14	µCi/mL
7/16/2024	AG91893	001	Gross Beta	2.43e-14	µCi/mL
7/23/2024	AG92731	001	Gross Beta	2.60e-14	µCi/mL
7/30/2024	AG93664	001	Gross Beta	1.76e-14	µCi/mL
8/6/2024	AG94331	001	Gross Beta	3.13e-14	µCi/mL
8/13/2024	AG95461	001	Gross Beta	4.36e-14	µCi/mL
8/20/2024	AG96230	001	Gross Beta	2.28e-14	µCi/mL
8/27/2024	AG97231	001	Gross Beta	3.34e-14	µCi/mL
9/3/2024	AG97828	001	Gross Beta	1.55e-14	µCi/mL
9/17/2024	AG99710	001	Gross Beta	2.17e-14	µCi/mL
9/24/2024	AH00416	001	Gross Beta	1.90e-14	µCi/mL
10/1/2024	AH01135	001	Gross Beta	3.29e-14	µCi/mL
10/8/2024	AH02103	001	Gross Beta	3.90e-14	µCi/mL
10/15/2024	AH02635	001	Gross Beta	4.31e-14	µCi/mL
10/22/2024	AH03349	001	Gross Beta	2.56e-14	µCi/mL
10/29/2024	AH04167	001	Gross Beta	3.11e-14	µCi/mL
11/5/2024	AH04841	001	Gross Beta	2.32e-14	µCi/mL
11/12/2024	AH05699	001	Gross Beta	2.61e-14	µCi/mL
11/19/2024	AH06526	001	Gross Beta	2.76e-14	µCi/mL
11/26/2024	AH07309	001	Gross Beta	2.89e-14	µCi/mL
12/3/2024	AH08005	001	Gross Beta	4.35e-14	µCi/mL
12/10/2024	AH08786	001	Gross Beta	3.86e-14	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Particulates Samples					
12/17/2024	AH09454	001	Gross Beta	1.85e-14	µCi/mL
12/23/2024	AH09713	001	Gross Beta	2.22e-14	µCi/mL
12/31/2024	AH09771	001	Gross Beta	3.68e-14	µCi/mL
5/28/2024	AG87163	052	Gross Beta	2.75e-14	µCi/mL
1/2/2024	AG67378	057	Gross Beta	2.61e-14	µCi/mL
1/9/2024	AG67955	057	Gross Beta	3.06e-14	µCi/mL
1/16/2024	AG68616	057	Gross Beta	3.10e-14	µCi/mL
1/23/2024	AG69438	057	Gross Beta	3.57e-14	µCi/mL
1/30/2024	AG70561	057	Gross Beta	2.73e-14	µCi/mL
2/6/2024	AG71686	057	Gross Beta	3.21e-14	µCi/mL
2/13/2024	AG72870	057	Gross Beta	2.56e-14	µCi/mL
2/20/2024	AG73862	057	Gross Beta	3.59e-14	µCi/mL
2/27/2024	AG75079	057	Gross Beta	3.34e-14	µCi/mL
3/5/2024	AG76054	057	Gross Beta	3.00e-14	µCi/mL
3/12/2024	AG77163	057	Gross Beta	2.84e-14	µCi/mL
3/19/2024	AG78119	057	Gross Beta	2.48e-14	µCi/mL
3/26/2024	AG79071	057	Gross Beta	2.23e-14	µCi/mL
4/2/2024	AG79867	057	Gross Beta	2.58e-14	µCi/mL
4/9/2024	AG80759	057	Gross Beta	2.30e-14	µCi/mL
4/16/2024	AG81620	057	Gross Beta	2.43e-14	µCi/mL
4/25/2024	AG82396	057	Gross Beta	2.29e-14	µCi/mL
4/30/2024	AG83077	057	Gross Beta	2.34e-14	µCi/mL
5/7/2024	AG84010	057	Gross Beta	1.74e-14	µCi/mL
5/14/2024	AG85057	057	Gross Beta	2.19e-14	µCi/mL
5/21/2024	AG85988	057	Gross Beta	2.69e-14	µCi/mL
6/4/2024	AG87592	057	Gross Beta	1.79e-14	µCi/mL
6/11/2024	AG88649	057	Gross Beta	2.37e-14	µCi/mL
6/18/2024	AG89210	057	Gross Beta	2.62e-14	µCi/mL
6/25/2024	AG90156	057	Gross Beta	1.70e-14	µCi/mL
7/2/2024	AG90816	057	Gross Beta	1.60e-14	µCi/mL
7/9/2024	AG91008	057	Gross Beta	1.90e-14	µCi/mL
7/16/2024	AG91895	057	Gross Beta	2.06e-14	µCi/mL
7/23/2024	AG92729	057	Gross Beta	2.08e-14	µCi/mL
7/30/2024	AG93666	057	Gross Beta	1.50e-14	µCi/mL
8/6/2024	AG94333	057	Gross Beta	2.64e-14	µCi/mL
8/13/2024	AG95463	057	Gross Beta	3.69e-14	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Particulates Samples					
8/20/2024	AG96232	057	Gross Beta	1.90e-14	µCi/mL
8/27/2024	AG97233	057	Gross Beta	2.94e-14	µCi/mL
9/3/2024	AG97830	057	Gross Beta	1.27e-14	µCi/mL
9/10/2024	AG98785	057	Gross Beta	2.82e-14	µCi/mL
9/17/2024	AG99712	057	Gross Beta	1.96e-14	µCi/mL
9/24/2024	AH00418	057	Gross Beta	1.74e-14	µCi/mL
10/1/2024	AH01137	057	Gross Beta	2.70e-14	µCi/mL
10/8/2024	AH02105	057	Gross Beta	3.41e-14	µCi/mL
10/15/2024	AH02637	057	Gross Beta	4.11e-14	µCi/mL
10/22/2024	AH03351	057	Gross Beta	2.16e-14	µCi/mL
10/29/2024	AH04165	057	Gross Beta	2.94e-14	µCi/mL
11/5/2024	AH04843	057	Gross Beta	2.09e-14	µCi/mL
11/12/2024	AH05701	057	Gross Beta	2.44e-14	µCi/mL
11/19/2024	AH06528	057	Gross Beta	2.55e-14	µCi/mL
11/26/2024	AH07307	057	Gross Beta	2.64e-14	µCi/mL
12/3/2024	AH08007	057	Gross Beta	4.42e-14	µCi/mL
12/10/2024	AH08788	057	Gross Beta	2.76e-14	µCi/mL
12/17/2024	AH09456	057	Gross Beta	1.72e-14	µCi/mL
12/23/2024	AH09715	057	Gross Beta	3.49e-14	µCi/mL
12/31/2024	AH09773	057	Gross Beta	2.69e-14	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Food Product Samples					
11/12/2024	AH05698	093	Ba-140	<7.6e-8	µCi/g
			Co-58	<2.0e-8	µCi/g
			Co-60	<2.0e-8	µCi/g
			Cs-134	<2.2e-8	µCi/g
			Cs-137	<2.0e-8	µCi/g
			Fe-59	<3.9e-8	µCi/g
			I-131	<2.3e-8	µCi/g
			K-40	4.08e-6	µCi/g
			La-140	<2.4e-8	µCi/g
			Mn-54	<2.0e-8	µCi/g
			Nb-95	<2.0e-8	µCi/g
			Zn-65	<4.7e-8	µCi/g
			Zr-95	<3.5e-8	µCi/g
6/11/2024	AG88653	094	Ba-140	<2.0e-8	µCi/g
			Co-58	<5.1e-9	µCi/g
			Co-60	<6.4e-9	µCi/g
			Cs-134	<5.7e-9	µCi/g
			Cs-137	<5.9e-9	µCi/g
			Fe-59	<1.2e-8	µCi/g
			I-131	<6.0e-9	µCi/g
			K-40	2.01e-6	µCi/g
			La-140	<6.1e-9	µCi/g
			Mn-54	<5.2e-9	µCi/g
			Nb-95	<5.3e-9	µCi/g
			Zn-65	<1.3e-8	µCi/g
			Zr-95	<9.3e-9	µCi/g

Date	Lab	Station	Analyte	Result	Units
Sediment Samples					
1/9/2024	AG67957	088	Ba-140	<2.2e-7	µCi/g
			Bi-214	4.78e-7	µCi/g
			Co-58	<4.3e-8	µCi/g
			Co-60	<4.6e-8	µCi/g
			Cs-134	<4.9e-8	µCi/g
			Cs-137	<4.9e-8	µCi/g
			Fe-59	<9.1e-8	µCi/g
			I-131	<7.2e-8	µCi/g
			K-40	6.98e-6	µCi/g
			La-140	<6.5e-8	µCi/g
			Mn-54	<4.6e-8	µCi/g
			Nb-95	<5.2e-8	µCi/g
			Pb-212	7.19e-7	µCi/g
			Pb-214	5.45e-7	µCi/g
			Tl-208	1.73e-7	µCi/g
			Zn-65	<1.5e-7	µCi/g
			Zr-95	<7.4e-8	µCi/g
7/9/2024	AG91010	088	Ba-140	<3.5e-7	µCi/g
			Co-58	<6.3e-8	µCi/g
			Co-60	<6.2e-8	µCi/g
			Cs-134	<7.2e-8	µCi/g
			Cs-137	<7.8e-8	µCi/g
			Fe-59	<1.4e-7	µCi/g
			I-131	<1.2e-7	µCi/g
			K-40	6.7e-6	µCi/g
			La-140	<1.1e-7	µCi/g
			Mn-54	<6.3e-8	µCi/g
			Nb-95	<8.7e-8	µCi/g
			Pb-212	4.71e-7	µCi/g
			Pb-214	6.2e-7	µCi/g
			Tl-208	2.06e-7	µCi/g
			Zn-65	<2.1e-7	µCi/g
			Zr-95	<1.4e-7	µCi/g

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
1/30/2024	AG70563	014	Ba-140	<5.8e-8	µCi/g
			Be-7	5.75e-6	µCi/g
			Co-58	<1.4e-8	µCi/g
			Co-60	<1.6e-8	µCi/g
			Cs-134	<1.4e-8	µCi/g
			Cs-137	<1.6e-8	µCi/g
			Fe-59	<2.9e-8	µCi/g
			I-131	<2.1e-8	µCi/g
			K-40	5.37e-6	µCi/g
			La-140	<1.8e-8	µCi/g
			Mn-54	<1.5e-8	µCi/g
			Nb-95	<1.6e-8	µCi/g
			Zn-65	<3.4e-8	µCi/g
			Zr-95	<2.5e-8	µCi/g
2/27/2024	AG75081	014	Ba-140	<7.8e-8	µCi/g
			Be-7	7.51e-6	µCi/g
			Co-58	<2.0e-8	µCi/g
			Co-60	<2.4e-8	µCi/g
			Cs-134	<2.0e-8	µCi/g
			Cs-137	<2.0e-8	µCi/g
			Fe-59	<4.0e-8	µCi/g
			I-131	<2.6e-8	µCi/g
			K-40	2.86e-6	µCi/g
			La-140	<2.7e-8	µCi/g
			Mn-54	<2.1e-8	µCi/g
			Nb-95	<2.0e-8	µCi/g
			Zn-65	<4.6e-8	µCi/g
			Zr-95	<3.6e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
3/26/2024	AG79075	014	Ba-140	<4.6e-8	µCi/g
			Be-7	1.38e-6	µCi/g
			Co-58	<1.3e-8	µCi/g
			Co-60	<1.5e-8	µCi/g
			Cs-134	<1.2e-8	µCi/g
			Cs-137	<1.3e-8	µCi/g
			Fe-59	<2.8e-8	µCi/g
			I-131	<1.4e-8	µCi/g
			K-40	8.38e-6	µCi/g
			La-140	<1.3e-8	µCi/g
			Mn-54	<1.3e-8	µCi/g
			Nb-95	<1.2e-8	µCi/g
			Zn-65	<3.3e-8	µCi/g
			Zr-95	<2.1e-8	µCi/g
4/30/2024	AG83079	014	Ba-140	<4.7e-8	µCi/g
			Be-7	9.5e-7	µCi/g
			Co-58	<1.4e-8	µCi/g
			Co-60	<1.6e-8	µCi/g
			Cs-134	<1.3e-8	µCi/g
			Cs-137	<1.4e-8	µCi/g
			Fe-59	<2.9e-8	µCi/g
			I-131	<1.4e-8	µCi/g
			K-40	5.10e-6	µCi/g
			La-140	<1.4e-8	µCi/g
			Mn-54	<1.3e-8	µCi/g
			Nb-95	<1.3e-8	µCi/g
			Zn-65	<3.2e-8	µCi/g
			Zr-95	<2.2e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
5/28/2024	AG87162	014	Ba-140	<5.9e-8	µCi/g
			Be-7	1.18e-6	µCi/g
			Co-58	<1.4e-8	µCi/g
			Co-60	<1.7e-8	µCi/g
			Cs-134	<1.4e-8	µCi/g
			Cs-137	<1.4e-8	µCi/g
			Fe-59	<3.3e-8	µCi/g
			I-131	<2.2e-8	µCi/g
			K-40	4.97e-6	µCi/g
			La-140	<1.9e-8	µCi/g
			Mn-54	<1.5e-8	µCi/g
			Nb-95	<1.5e-8	µCi/g
			Zn-65	<3.5e-8	µCi/g
			Zr-95	<2.6e-8	µCi/g
6/25/2024	AG90161	014	Ba-140	<7.7e-8	µCi/g
			Be-7	2.44e-6	µCi/g
			Co-58	<2.0e-8	µCi/g
			Co-60	<2.2e-8	µCi/g
			Cs-134	<1.9e-8	µCi/g
			Cs-137	<2.0e-8	µCi/g
			Fe-59	<4.5e-8	µCi/g
			I-131	<2.4e-8	µCi/g
			K-40	9.63e-6	µCi/g
			La-140	<2.2e-8	µCi/g
			Mn-54	<2.0e-8	µCi/g
			Nb-95	<1.9e-8	µCi/g
			Zn-65	<5.1e-8	µCi/g
			Zr-95	<3.3e-8	µCi/g

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
7/30/2024	AG93668	014	Ba-140	<1.1e-7	µCi/g
			Be-7	2.02e-6	µCi/g
			Co-58	<2.7e-8	µCi/g
			Co-60	<2.9e-8	µCi/g
			Cs-134	<2.7e-8	µCi/g
			Cs-137	<2.8e-8	µCi/g
			Fe-59	<5.8e-8	µCi/g
			I-131	<3.3e-8	µCi/g
			K-40	6.27e-6	µCi/g
			La-140	<3.2e-8	µCi/g
			Mn-54	<2.7e-8	µCi/g
			Nb-95	<2.8e-8	µCi/g
			Zn-65	<6.6e-8	µCi/g
			Zr-95	<4.7e-8	µCi/g
8/27/2024	AG97235	014	Ba-140	<2.1e-7	µCi/g
			Be-7	5.57e-6	µCi/g
			Co-58	<3.8e-8	µCi/g
			Co-60	<3.6e-8	µCi/g
			Cs-134	<3.5e-8	µCi/g
			Cs-137	<4.2e-8	µCi/g
			Fe-59	<8.1e-8	µCi/g
			I-131	<8.7e-8	µCi/g
			K-40	7.58e-6	µCi/g
			La-140	<6.0e-8	µCi/g
			Mn-54	<3.8e-8	µCi/g
			Nb-95	<4.3e-8	µCi/g
			Zn-65	<8.2e-8	µCi/g
			Zr-95	<6.9e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
9/24/2024	AH00420	014	Ba-140	<7.0e-8	µCi/g
			Be-7	6.37e-6	µCi/g
			Co-58	<1.4e-8	µCi/g
			Co-60	<1.4e-8	µCi/g
			Cs-134	<1.4e-8	µCi/g
			Cs-137	<1.7e-8	µCi/g
			Fe-59	<2.9e-8	µCi/g
			I-131	<2.8e-8	µCi/g
			K-40	2.50e-6	µCi/g
			La-140	<1.8e-8	µCi/g
			Mn-54	<1.4e-8	µCi/g
			Nb-95	<1.6e-8	µCi/g
			Zn-65	<3.1e-8	µCi/g
			Zr-95	<2.6e-8	µCi/g
10/29/2024	AH04164	014	Ba-140	<1.2e-7	µCi/g
			Be-7	3.58e-6	µCi/g
			Bi-214	8.4e-8	µCi/g
			Co-58	<2.1e-8	µCi/g
			Co-60	<2.2e-8	µCi/g
			Cs-134	<1.9e-8	µCi/g
			Cs-137	<2.3e-8	µCi/g
			Fe-59	<4.5e-8	µCi/g
			I-131	<5.0e-8	µCi/g
			K-40	6.96e-6	µCi/g
			La-140	<3.1e-8	µCi/g
			Mn-54	<2.0e-8	µCi/g
			Nb-95	<2.4e-8	µCi/g
			Zn-65	<4.5e-8	µCi/g
			Zr-95	<3.6e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
11/26/2024	AH07311	014	Ba-140	<1.5e-7	µCi/g
			Be-7	2.03e-6	µCi/g
			Co-58	<2.4e-8	µCi/g
			Co-60	<2.5e-8	µCi/g
			Cs-134	<2.4e-8	µCi/g
			Cs-137	<2.8e-8	µCi/g
			Fe-59	<5.1e-8	µCi/g
			I-131	<6.1e-8	µCi/g
			K-40	3.33e-6	µCi/g
			La-140	<4.1e-8	µCi/g
			Mn-54	<2.5e-8	µCi/g
			Nb-95	<3.1e-8	µCi/g
			Zn-65	<5.6e-8	µCi/g
			Zr-95	<4.5e-8	µCi/g
12/31/2024	AH09777	014	Ba-140	<2.2e-7	µCi/g
			Be-7	4.63e-6	µCi/g
			Co-58	<3.2e-8	µCi/g
			Co-60	<2.9e-8	µCi/g
			Cs-134	<3.0e-8	µCi/g
			Cs-137	<3.3e-8	µCi/g
			Fe-59	<6.1e-8	µCi/g
			I-131	<1.1e-7	µCi/g
			K-40	2.37e-6	µCi/g
			La-140	<5.7e-8	µCi/g
			Mn-54	<2.9e-8	µCi/g
			Nb-95	<3.8e-8	µCi/g
			Zn-65	<6.0e-8	µCi/g
			Zr-95	<5.7e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
3/26/2024	AG79076	090	Ba-140	<6.2e-8	µCi/g
			Be-7	8.10e-6	µCi/g
			Co-58	<1.7e-8	µCi/g
			Co-60	<2.0e-8	µCi/g
			Cs-134	<1.7e-8	µCi/g
			Cs-137	<1.7e-8	µCi/g
			Fe-59	<3.6e-8	µCi/g
			I-131	<2.0e-8	µCi/g
			K-40	3.92e-6	µCi/g
			La-140	<2.3e-8	µCi/g
			Mn-54	<1.8e-8	µCi/g
			Nb-95	<1.8e-8	µCi/g
			Tl-208	2.1e-8	µCi/g
			Zn-65	<4.0e-8	µCi/g
			Zr-95	<2.7e-8	µCi/g
6/25/2024	AG90160	090	Ba-140	<9.5e-8	µCi/g
			Be-7	2.45e-6	µCi/g
			Co-58	<2.2e-8	µCi/g
			Co-60	<2.4e-8	µCi/g
			Cs-134	<2.2e-8	µCi/g
			Cs-137	<2.3e-8	µCi/g
			Fe-59	<4.9e-8	µCi/g
			I-131	<2.8e-8	µCi/g
			K-40	8.36e-6	µCi/g
			La-140	<2.4e-8	µCi/g
			Mn-54	<2.2e-8	µCi/g
			Nb-95	<2.3e-8	µCi/g
			Zn-65	<5.6e-8	µCi/g
			Zr-95	<3.8e-8	µCi/g

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
9/24/2024	AH00421	090	Ba-140	<7.7e-8	µCi/g
			Be-7	5.25e-6	µCi/g
			Co-58	<1.7e-8	µCi/g
			Co-60	<1.8e-8	µCi/g
			Cs-134	<1.7e-8	µCi/g
			Cs-137	<1.7e-8	µCi/g
			Fe-59	<3.5e-8	µCi/g
			I-131	<2.8e-8	µCi/g
			K-40	2.38e-6	µCi/g
			La-140	<2.4e-8	µCi/g
			Mn-54	<1.6e-8	µCi/g
			Nb-95	<1.7e-8	µCi/g
			Zn-65	<3.7e-8	µCi/g
			Zr-95	<2.8e-8	µCi/g
12/31/2024	AH09778	090	Ba-140	<2.4e-7	µCi/g
			Be-7	9.57e-6	µCi/g
			Co-58	<3.8e-8	µCi/g
			Co-60	<3.4e-8	µCi/g
			Cs-134	<3.6e-8	µCi/g
			Cs-137	<3.7e-8	µCi/g
			Fe-59	<7.9e-8	µCi/g
			I-131	<1.2e-7	µCi/g
			K-40	1.44e-6	µCi/g
			La-140	<8.0e-8	µCi/g
			Mn-54	<3.5e-8	µCi/g
			Nb-95	<4.6e-8	µCi/g
			Pb-212	9.9e-8	µCi/g
			Zn-65	<7.9e-8	µCi/g
			Zr-95	<6.5e-8	µCi/g

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
1/30/2024	AG70564	085	Ba-140	<7.1e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<1.9e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.5e-9	µCi/mL
			Gross Beta	1.49e-8	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Tl-208	2.6e-9	µCi/mL
			Zn-65	<4.0e-9	µCi/mL
			Zr-95	<3.1e-9	µCi/mL
2/27/2024	AG75082	085	Ba-140	<8.1e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.9e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.6e-9	µCi/mL
			Gross Beta	1.40e-8	µCi/mL
			I-131	<2.9e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.1e-9	µCi/mL
			Zr-95	<3.1e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
3/26/2024	AG79073	085	Ba-140	<7.2e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.8e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.2e-9	µCi/mL
			Gross Beta	1.89e-8	µCi/mL
			I-131	<2.7e-9	µCi/mL
			K-40	8.9e-8	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<3.1e-9	µCi/mL
4/30/2024	AG83080	085	Ba-140	<6.6e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.6e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<1.8e-9	µCi/mL
			Fe-59	<3.2e-9	µCi/mL
			Gross Beta	1.68e-8	µCi/mL
			I-131	<2.2e-9	µCi/mL
			La-140	<2.1e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.3e-9	µCi/mL
			Zr-95	<2.8e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
5/28/2024	AG87160	085	Ba-140	<9.6e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.2e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.3e-9	µCi/mL
			Gross Beta	1.44e-8	µCi/mL
			I-131	<3.5e-9	µCi/mL
			La-140	<3.4e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.2e-9	µCi/mL
			Zn-65	<4.2e-9	µCi/mL
			Zr-95	<3.6e-9	µCi/mL
6/25/2024	AG90158	085	Ba-140	<7.1e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.9e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<1.8e-9	µCi/mL
			Fe-59	<3.6e-9	µCi/mL
			Gross Beta	6.1e-9	µCi/mL
			I-131	<2.3e-9	µCi/mL
			La-140	<2.7e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<4.2e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
7/30/2024	AG93669	085	Ba-140	<6.9e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<2.9e-9	µCi/mL
			Gross Beta	1.28e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<1.9e-9	µCi/mL
			Mn-54	<1.6e-9	µCi/mL
			Nb-95	<1.7e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<2.8e-9	µCi/mL
8/27/2024	AG97236	085	Ba-140	<7.0e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	1.91e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.5e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
9/24/2024	AH00422	085	Ba-140	<7.1e-9	µCi/mL
			Co-58	<1.6e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.0e-9	µCi/mL
			Gross Beta	1.59e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<1.9e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.7e-9	µCi/mL
			Zn-65	<3.2e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL
10/29/2024	AH04169	085	Ba-140	<7.7e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.8e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.2e-9	µCi/mL
			Fe-59	<3.3e-9	µCi/mL
			Gross Beta	1.41e-8	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<3.7e-9	µCi/mL
			Zr-95	<3.2e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
11/26/2024	AH07312	085	Ba-140	<8.6e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	1.69e-8	µCi/mL
			I-131	<3.4e-9	µCi/mL
			La-140	<2.5e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.3e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL
12/31/2024	AH09775	085	Ba-140	<1.1e-8	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.6e-9	µCi/mL
			Gross Beta	1.55e-8	µCi/mL
			I-131	<4.2e-9	µCi/mL
			La-140	<3.0e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
1/30/2024	AG70565	086	Ba-140	<7.6e-9	µCi/mL
			Bi-214	2.40e-8	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.2e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	7.3e-9	µCi/mL
			I-131	<2.5e-9	µCi/mL
			La-140	<2.3e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL
2/27/2024	AG75083	086	Ba-140	<8.0e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	6.7e-9	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.4e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
3/26/2024	AG79074	086	Ba-140	<7.9e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	6.3e-9	µCi/mL
			I-131	<2.5e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL
4/30/2024	AG83081	086	Ba-140	<7.7e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	6.0e-9	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.8e-9	µCi/mL
			Mn-54	<2.1e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<4.1e-9	µCi/mL
			Zr-95	<3.2e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
5/28/2024	AG87161	086	Ba-140	<9.8e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.2e-9	µCi/mL
			Gross Beta	9.0e-9	µCi/mL
			I-131	<3.5e-9	µCi/mL
			La-140	<2.7e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.4e-9	µCi/mL
			Zr-95	<3.6e-9	µCi/mL
6/25/2024	AG90159	086	Ba-140	<7.7e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.8e-9	µCi/mL
			Gross Beta	1.15e-8	µCi/mL
			I-131	<2.3e-9	µCi/mL
			La-140	<2.7e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
5/28/2024	AG87161	086	Ba-140	<9.8e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.2e-9	µCi/mL
			Gross Beta	9.0e-9	µCi/mL
			I-131	<3.5e-9	µCi/mL
			La-140	<2.7e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.4e-9	µCi/mL
			Zr-95	<3.6e-9	µCi/mL
6/25/2024	AG90159	086	Ba-140	<7.7e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.8e-9	µCi/mL
			Gross Beta	1.15e-8	µCi/mL
			I-131	<2.3e-9	µCi/mL
			La-140	<2.7e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
9/24/2024	AH00423	086	Ba-140	<7.6e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	1.64e-8	µCi/mL
			I-131	<2.2e-9	µCi/mL
			La-140	<2.6e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL
10/29/2024	AH04356	086	Ba-140	<7.4e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.8e-9	µCi/mL
			Gross Beta	1.28e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.6e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.6e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
11/26/2024	AH07313	086	Ba-140	<9.0e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	1.13e-8	µCi/mL
			I-131	<3.2e-9	µCi/mL
			La-140	<3.4e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.2e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.5e-9	µCi/mL
12/31/2024	AH09776	086	Ba-140	<8.8e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<1.6e-9	µCi/mL
			Fe-59	<3.4e-9	µCi/mL
			Gross Beta	7.2e-9	µCi/mL
			I-131	<3.1e-9	µCi/mL
			La-140	<3.0e-9	µCi/mL
			Mn-54	<1.6e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<3.7e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL

Comanche Peak Nuclear Power Plant
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water Composite Samples					
3/4/2024	AG68493	085	H-3	1.670e-5	µCi/mL
10/15/2024	AG92264	085	H-3	1.210e-5	µCi/mL
12/31/2024	AH03074	085	H-3	1.220e-5	µCi/mL
3/4/2024	AG68494	086	H-3	<1.0e-6	µCi/mL
5/31/2024	AG80389	086	H-3	<1.0e-6	µCi/mL
10/15/2024	AG92265	086	H-3	<1.0e-6	µCi/mL
12/31/2024	AH03075	086	H-3	<1.0e-6	µCi/mL

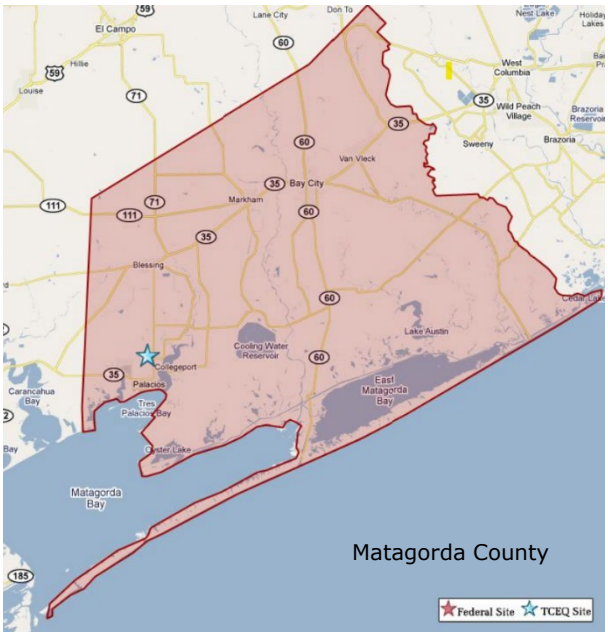
NOTE: Indicates the analysis was by alpha spectrometry, or Ra-226, analysis by radon emanation.*
*** Indicates the tritium (H-3) analysis for food product, sediment, and vegetation is reported in µCi/mL*

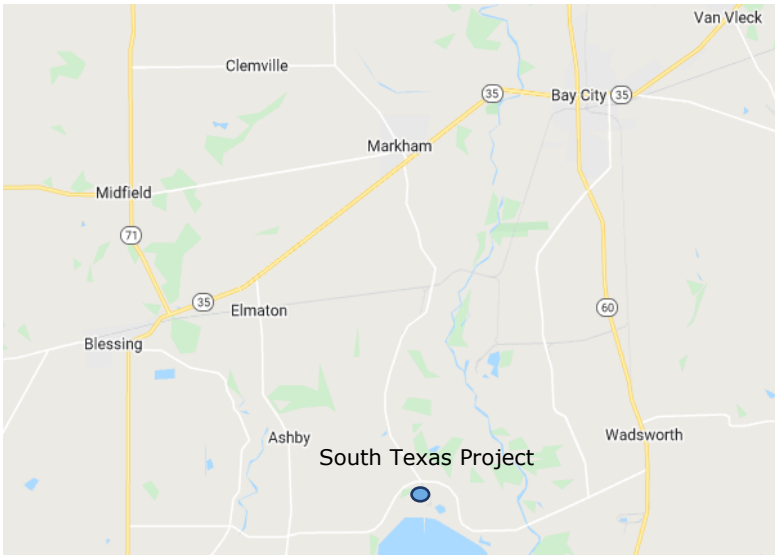
South Texas Project
Radiation Branch Site No. 012

The South Texas Project (STP) is a commercial nuclear power plant operated by STP Nuclear Operating Company and is located 89 miles southwest of Houston and 14 miles south-southwest of Bay City. Two 1250 megawatt (electric) Westinghouse pressurized water nuclear reactors are in operation at the site. Unit 1 became operational in August of 1988 and Unit 2 in June of 1989.

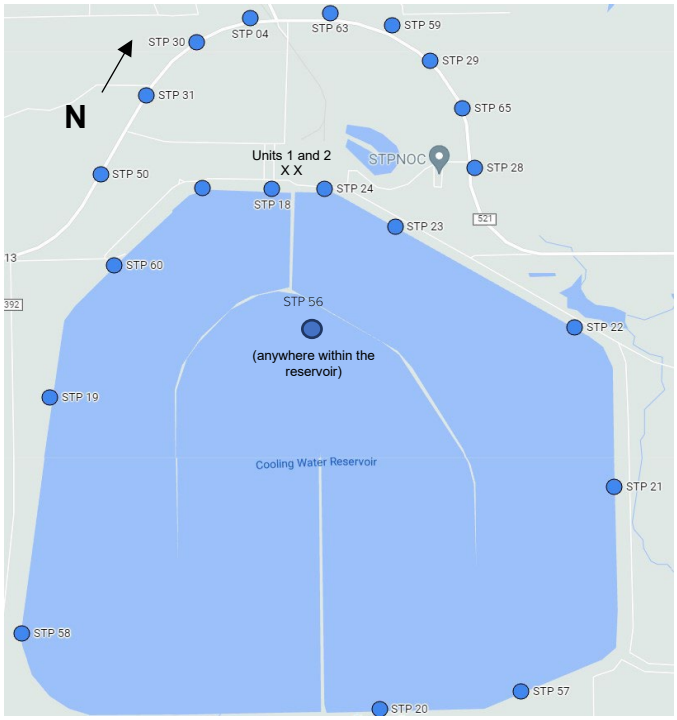
STP Nuclear Operating Company is owned by NRG Energy, Austin Energy, and City Public Service of San Antonio. STP Nuclear Operating Company manages and operates the plant for its owners, who share its energy in proportion to their ownership interest. The Radiation Branch Surveillance Program consists of OSL monitoring and sampling air, fish, food products, sediment, vegetation, and water.

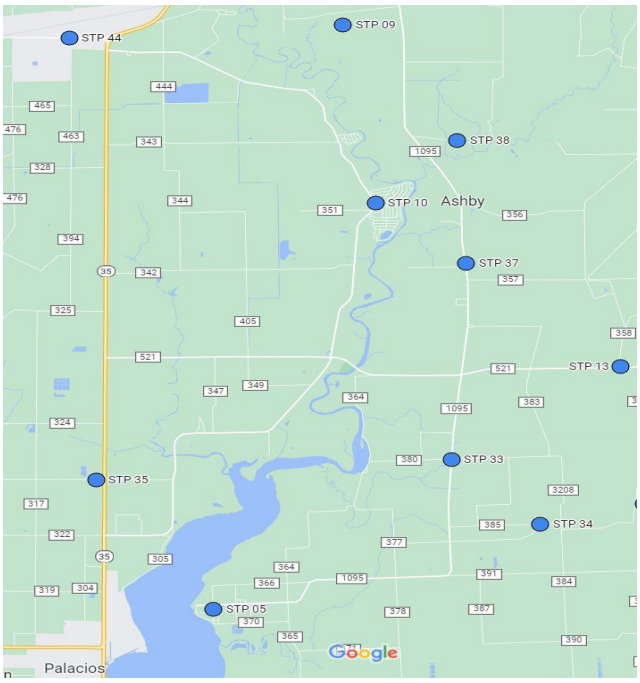
Shaded area indicates location of Matagorda County

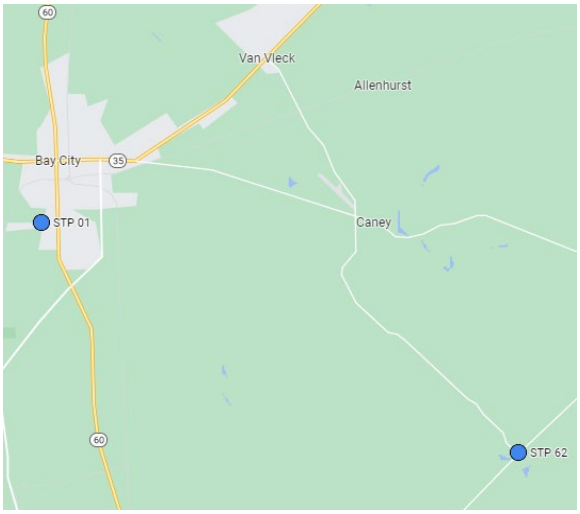


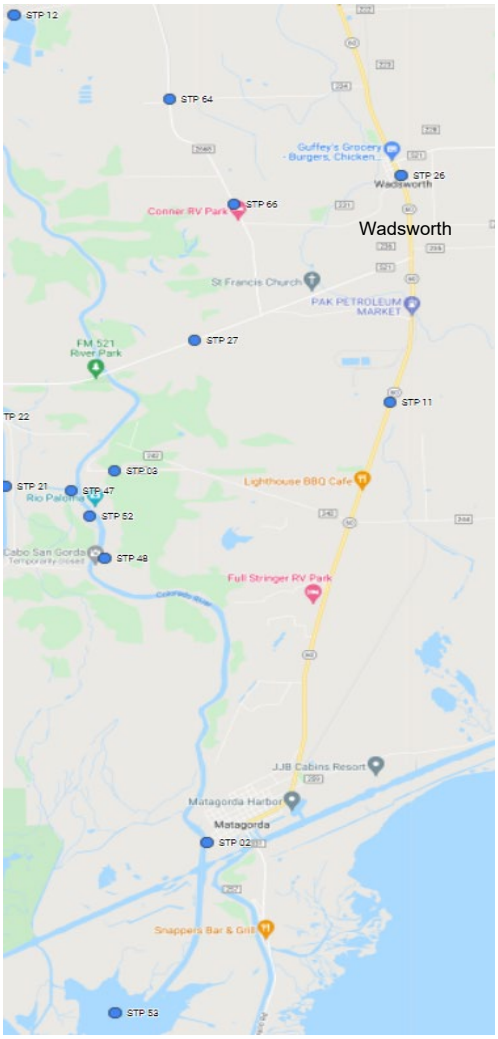


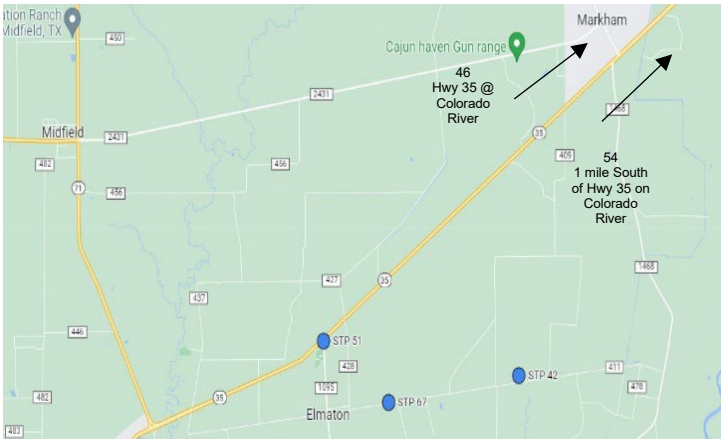
South Texas Project
Monitoring Station Locations











South Texas Project

Environmental Sample Results

Optically Stimulated Luminescent Dosimeter (OSL) Monitoring Results

(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	30	32	32	36	130	
2	33	33	33	37	136	
3	33	32	33	38	136	
4	33	34	33	38	138	
5	31	32	32	36	131	
9	32	32	33	37	134	
10	33	33	32	35	133	
11	34	36	32	36	138	
12	32	37	35	38	142	
13	34	33	35	39	141	
18	31	62	30	34	157	
19	33	33	32	36	134	
20	32	33	33	35	133	
21	32	32	33	35	132	
22	31	34	32	34	131	
23	22	30	32	34	118	
24	33	35	35	39	142	
26	32	34	34	34	134	
27	35	34	33	38	140	
28	32	35	34	37	138	
29	33	37	34	37	141	
30	32	35	34	36	137	
31	36	39	36	41	152	
33	34	34	34	39	141	
34	34	34	37	38	143	
35	32	33	33	37	135	
37	34	34	34	38	140	
38	32	35	32	38	137	
40	33	37	33	37	140	
42	37	39	38	42	156	
44	31	31	32	35	129	
50	35	60	31	42	168	
51	34	38	36	38	146	
57	31	33	33	35	132	
58	31	34	31	35	131	
59	31	50	32	39	152	
60	33	35	35	37	140	
61	32	35	32	35	134	
62	34	37	38	41	150	
63	35	33	34	36	138	
64	34	34	33	36	137	
65	32	52	31	37	152	
66	31	35	33	36	135	
67	33	33	34	37	137	

NOTE: *[1]Background is not subtracted from the data*

[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

South Texas Project
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Composite Sample					
1/30/2024	AG68489	030	Ba-140	<8.0e-6	µCi/mL
			Be-7	2.94e-4	µCi/mL
			Co-58	<2.4e-6	µCi/mL
			Co-60	<2.7e-6	µCi/mL
			Cs-134	<2.5e-6	µCi/mL
			Cs-137	<2.7e-6	µCi/mL
			Fe-59	<4.6e-6	µCi/mL
			I-131	<2.3e-6	µCi/mL
			La-140	<3.8e-6	µCi/mL
			Mn-54	<2.5e-6	µCi/mL
			Nb-95	<2.3e-6	µCi/mL
			Zn-65	<5.9e-6	µCi/mL
			Zr-95	<3.7e-6	µCi/mL
5/6/2024	AG80384	030	Ba-140	<4.0e-6	µCi/mL
			Be-7	2.91e-4	µCi/mL
			Co-58	<1.3e-6	µCi/mL
			Co-60	<1.7e-6	µCi/mL
			Cs-134	<1.4e-6	µCi/mL
			Cs-137	<1.3e-6	µCi/mL
			Fe-59	<2.8e-6	µCi/mL
			I-131	<1.1e-6	µCi/mL
			K-40	3.8e-5	µCi/mL
			La-140	<1.7e-6	µCi/mL
			Mn-54	<1.4e-6	µCi/mL
			Nb-95	<1.3e-6	µCi/mL
			Zn-65	<3.2e-6	µCi/mL
			Zr-95	<2.1e-6	µCi/mL
9/6/2024	AG92268	030	Ba-140	<8.0e-6	µCi/mL
			Be-7	1.72e-4	µCi/mL
			Co-58	<2.1e-6	µCi/mL
			Co-60	<2.6e-6	µCi/mL
			Cs-134	<2.3e-6	µCi/mL
			Cs-137	<2.6e-6	µCi/mL
			Fe-59	<4.9e-6	µCi/mL
			I-131	<2.2e-6	µCi/mL
			La-140	<3.2e-6	µCi/mL
			Mn-54	<2.1e-6	µCi/mL
			Nb-95	<2.5e-6	µCi/mL
			Zn-65	<5.9e-6	µCi/mL
			Zr-95	<4.1e-6	µCi/mL

South Texas Project
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Composite Sample					
12/18/2024	AH03070	030	Ba-140	<6.3e-6	µCi/mL
			Be-7	1.85e-4	µCi/mL
			Co-58	<1.9e-6	µCi/mL
			Co-60	<2.3e-6	µCi/mL
			Cs-134	<2.2e-6	µCi/mL
			Cs-137	<2.0e-6	µCi/mL
			Fe-59	<4.2e-6	µCi/mL
			I-131	<1.7e-6	µCi/mL
			La-140	<3.0e-6	µCi/mL
			Mn-54	<2.1e-6	µCi/mL
			Nb-95	<2.1e-6	µCi/mL
			Zn-65	<5.3e-6	µCi/mL
			Zr-95	<3.6e-6	µCi/mL
1/30/2024	AG68490	035	Ba-140	<8.6e-6	µCi/mL
			Be-7	3.04e-4	µCi/mL
			Co-58	<2.6e-6	µCi/mL
			Co-60	<2.9e-6	µCi/mL
			Cs-134	<2.6e-6	µCi/mL
			Cs-137	<2.8e-6	µCi/mL
			Fe-59	<5.6e-6	µCi/mL
			I-131	<2.3e-6	µCi/mL
			K-40	1.14e-4	µCi/mL
			La-140	<2.6e-6	µCi/mL
			Mn-54	<2.9e-6	µCi/mL
			Nb-95	<2.7e-6	µCi/mL
			Zn-65	<7.0e-6	µCi/mL
			Zr-95	<4.6e-6	µCi/mL
5/6/2024	AG80385	035	Ba-140	<8.8e-6	µCi/mL
			Be-7	2.99e-4	µCi/mL
			Co-58	<2.5e-6	µCi/mL
			Co-60	<3.0e-6	µCi/mL
			Cs-134	<2.4e-6	µCi/mL
			Cs-137	<2.8e-6	µCi/mL
			Fe-59	<4.4e-6	µCi/mL
			I-131	<2.6e-6	µCi/mL
			La-140	<2.8e-6	µCi/mL
			Mn-54	<2.8e-6	µCi/mL
			Nb-95	<2.6e-7	µCi/mL
			Zn-65	<4.8e-6	µCi/mL
			Zr-95	<4.6e-6	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Air Composite Sample					
8/26/2024	AG92269	035	Ba-140	<4.0e-6	µCi/mL
			Be-7	2.51e-4	µCi/mL
			Co-58	<1.2e-6	µCi/mL
			Co-60	<1.7e-6	µCi/mL
			Cs-134	<1.4e-6	µCi/mL
			Cs-137	<1.4e-6	µCi/mL
			Fe-59	<2.8e-6	µCi/mL
			I-131	<1.1e-6	µCi/mL
			K-40	3.9e-5	µCi/mL
			La-140	<1.8e-6	µCi/mL
			Mn-54	<1.3e-6	µCi/mL
			Nb-95	<1.3e-6	µCi/mL
			Zn-65	<3.2e-6	µCi/mL
			Zr-95	<2.2e-6	µCi/mL
12/18/2024	AH03071	035	Ba-140	<4.1e-6	µCi/mL
			Be-7	1.67e-4	µCi/mL
			Co-58	<1.3e-6	µCi/mL
			Co-60	<1.6e-6	µCi/mL
			Cs-134	<1.3e-6	µCi/mL
			Cs-137	<1.4e-6	µCi/mL
			Fe-59	<2.8e-6	µCi/mL
			I-131	<1.2e-6	µCi/mL
			K-40	3.0e-5	µCi/mL
			La-140	<2.0e-6	µCi/mL
			Mn-54	<1.5e-6	µCi/mL
			Nb-95	<1.3e-6	µCi/mL
			Zn-65	<3.1e-6	µCi/mL
			Zr-95	<2.2e-6	µCi/mL

South Texas Project
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
1/2/2024	AG67383	030	I-131	<2.4e-15	µCi/mL
			K-40	2.50e-13	µCi/mL
1/9/2024	AG68486	030	I-131	<5.8e-15	µCi/mL
			K-40	2.26e-13	µCi/mL
1/17/2024	AG68945	030	I-131	<5.7e-15	µCi/mL
			K-40	2.53e-13	µCi/mL
1/23/2024	AG69992	030	I-131	<2.9e-15	µCi/mL
			K-40	2.85e-13	µCi/mL
1/30/2024	AG70862	030	I-131	<2.3e-15	µCi/mL
			K-40	2.64e-13	µCi/mL
2/6/2024	AG71937	030	I-131	<2.3e-15	µCi/mL
			K-40	2.86e-13	µCi/mL
2/13/2024	AG73158	030	I-131	<2.4e-15	µCi/mL
			K-40	2.48e-13	µCi/mL
2/20/2024	AG74152	030	I-131	<2.3e-15	µCi/mL
			K-40	2.66e-13	µCi/mL
2/27/2024	AG75076	030	I-131	<5.0e-15	µCi/mL
			K-40	2.64e-13	µCi/mL
3/5/2024	AG76051	030	I-131	<4.8e-15	µCi/mL
			K-40	2.57e-13	µCi/mL
3/12/2024	AG77346	030	I-131	<2.2e-15	µCi/mL
			K-40	2.45e-13	µCi/mL
3/19/2024	AG78435	030	I-131	<2.3e-15	µCi/mL
			K-40	2.91e-13	µCi/mL
4/2/2024	AG79872	030	I-131	<2.4e-15	µCi/mL
			K-40	2.65e-13	µCi/mL
4/10/2024	AG81225	030	I-131	<6.4e-15	µCi/mL
			K-40	2.19e-13	µCi/mL
4/16/2024	AG81879	030	I-131	<2.6e-15	µCi/mL
			K-40	2.83e-13	µCi/mL
4/23/2024	AG82401	030	I-131	<5.0e-15	µCi/mL
			K-40	1.86e-13	µCi/mL
4/30/2024	AG83707	030	I-131	<8.8e-15	µCi/mL
			K-40	3.13e-13	µCi/mL

South Texas Project
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
5/7/2024	AG84300	030	I-131	<2.3e-15	µCi/mL
			K-40	2.65e-13	µCi/mL
5/14/2024	AG85354	030	Be-7	1.92e-14	µCi/mL
			I-131	<2.3e-15	µCi/mL
			K-40	2.37e-13	µCi/mL
5/21/2024	AG86243	030	I-131	<2.2e-15	µCi/mL
			K-40	2.53e-13	µCi/mL
5/28/2024	AG86844	030	I-131	<5.4e-15	µCi/mL
			K-40	2.18e-13	µCi/mL
6/4/2024	AG87748	030	I-131	<5.5e-15	µCi/mL
			K-40	2.31e-13	µCi/mL
6/12/2024	AG88856	030	I-131	<4.9e-15	µCi/mL
			K-40	1.80e-13	µCi/mL
6/18/2024	AG89609	030	I-131	<6.6e-15	µCi/mL
			K-40	2.04e-13	µCi/mL
6/25/2024	AG90165	030	I-131	<2.3e-15	µCi/mL
			K-40	2.69e-13	µCi/mL
7/2/2024	AG91424	030	I-131	<1.6e-14	µCi/mL
			K-40	2.22e-13	µCi/mL
7/10/2024	AG91428	030	I-131	<3.4e-15	µCi/mL
			K-40	2.79e-13	µCi/mL
			Pb-212	5.0e-15	µCi/mL
7/16/2024	AG92078	030	I-131	<7.6e-15	µCi/mL
			K-40	2.83e-13	µCi/mL
7/23/2024	AG93160	030	I-131	<6.3e-15	µCi/mL
			K-40	3.73e-13	µCi/mL
7/30/2024	AG93878	030	I-131	<5.8e-15	µCi/mL
			K-40	2.30e-13	µCi/mL
8/6/2024	AG94588	030	I-131	<2.3e-15	µCi/mL
			K-40	2.79e-13	µCi/mL
8/13/2024	AG96229	030	I-131	<9.9e-15	µCi/mL
			K-40	3.08e-13	µCi/mL
8/20/2024	AG96486	030	I-131	<2.1e-15	µCi/mL
			K-40	2.50e-13	µCi/mL

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Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
8/27/2024	AG97456	030	I-131	<2.2e-15	µCi/mL
			K-40	2.53e-13	µCi/mL
9/3/2024	AG98021	030	I-131	<2.0e-15	µCi/mL
			K-40	2.26e-13	µCi/mL
9/10/2024	AG99012	030	I-131	<6.0e-15	µCi/mL
			K-40	1.89e-13	µCi/mL
9/17/2024	AH00060	030	I-131	<2.4e-15	µCi/mL
			K-40	2.73e-13	µCi/mL
9/24/2024	AH00619	030	I-131	<4.9e-15	µCi/mL
			K-40	1.78e-13	µCi/mL
10/1/2024	AH01513	030	I-131	<5.1e-15	µCi/mL
			K-40	1.78e-13	µCi/mL
10/8/2024	AH02102	030	I-131	<4.6e-15	µCi/mL
			K-40	2.04e-13	µCi/mL
10/15/2024	AH02829	030	I-131	<4.7e-15	µCi/mL
			K-40	2.04e-13	µCi/mL
10/22/2024	AH03526	030	I-131	<2.2e-15	µCi/mL
			K-40	2.67e-13	µCi/mL
10/28/2024	AH04360	030	I-131	<2.1e-15	µCi/mL
			K-40	2.55e-13	µCi/mL
11/5/2024	AH05287	030	I-131	<4.9e-15	µCi/mL
			K-40	1.88e-13	µCi/mL
11/13/2024	AH06146	030	I-131	<3.8e-15	µCi/mL
			K-40	1.64e-13	µCi/mL
11/19/2024	AH06720	030	I-131	<3.0e-15	µCi/mL
			K-40	3.43e-13	µCi/mL
11/26/2024	AH07306	030	I-131	<4.0e-15	µCi/mL
			K-40	1.80e-13	µCi/mL
12/3/2024	AH07979	030	I-131	<4.4e-15	µCi/mL
			K-40	1.95e-13	µCi/mL
12/10/2024	AH08793	030	I-131	<2.3e-15	µCi/mL
			K-40	2.57e-13	µCi/mL
12/17/2024	AH09461	030	I-131	<4.4e-15	µCi/mL
			K-40	2.11e-13	µCi/mL
12/23/2024	AH09722	030	I-131	<8.0e-15	µCi/mL
			K-40	2.10e-13	µCi/mL
12/30/2024	AH09751	030	I-131	<7.0e-15	µCi/mL
			K-40	1.94e-13	µCi/mL

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Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
1/2/2024	AG67381	035	I-131	<2.3e-15	µCi/mL
			K-40	2.58e-13	µCi/mL
1/9/2024	AG68484	035	I-131	<6.0e-15	µCi/mL
			K-40	1.85e-13	µCi/mL
1/17/2024	AG68943	035	I-131	<5.7e-15	µCi/mL
			K-40	2.20e-13	µCi/mL
1/23/2024	AG69990	035	I-131	<4.4e-15	µCi/mL
			K-40	2.30e-13	µCi/mL
1/30/2024	AG70860	035	I-131	<5.6e-15	µCi/mL
			K-40	2.00e-13	µCi/mL
2/6/2024	AG71935	035	I-131	<5.7e-15	µCi/mL
			K-40	2.28e-13	µCi/mL
2/13/2024	AG73156	035	I-131	<5.8e-15	µCi/mL
			K-40	2.48e-13	µCi/mL
2/20/2024	AG74150	035	I-131	<5.5e-15	µCi/mL
			K-40	2.02e-13	µCi/mL
2/27/2024	AG75074	035	I-131	<4.8e-15	µCi/mL
			K-40	1.41e-13	µCi/mL
3/5/2024	AG76049	035	I-131	<5.0e-15	µCi/mL
			K-40	2.03e-13	µCi/mL
3/12/2024	AG77344	035	I-131	<5.5e-15	µCi/mL
			K-40	2.58e-13	µCi/mL
3/19/2024	AG78433	035	I-131	<5.7e-15	µCi/mL
			K-40	2.16e-13	µCi/mL
3/26/2024	AG79307	035	I-131	<5.7e-15	µCi/mL
			K-40	2.83e-13	µCi/mL
4/2/2024	AG79870	035	I-131	<5.3e-15	µCi/mL
			K-40	2.54e-13	µCi/mL
4/10/2024	AG81223	035	I-131	<5.6e-15	µCi/mL
			K-40	1.79e-13	µCi/mL
4/16/2024	AG81877	035	I-131	<6.3e-15	µCi/mL
			K-40	2.04e-13	µCi/mL
4/23/2024	AG82399	035	I-131	<5.7e-15	µCi/mL
			K-40	2.33e-13	µCi/mL
4/30/2024	AG83705	035	I-131	<8.4e-15	µCi/mL
			K-40	2.45e-13	µCi/mL
5/7/2024	AG84298	035	I-131	<5.5e-15	µCi/mL
			K-40	2.23e-13	µCi/mL

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Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
5/14/2024	AG85352	035	I-131	<5.4e-15	µCi/mL
			K-40	2.15e-13	µCi/mL
5/21/2024	AG86241	035	I-131	<5.7e-15	µCi/mL
			K-40	1.96e-13	µCi/mL
5/28/2024	AG86842	035	I-131	<5.3e-15	µCi/mL
			K-40	2.28e-13	µCi/mL
6/4/2024	AG87746	035	I-131	<6.8e-15	µCi/mL
			K-40	2.48e-13	µCi/mL
6/12/2024	AG88854	035	I-131	<4.7e-15	µCi/mL
			K-40	1.81e-13	µCi/mL
6/18/2024	AG89607	035	I-131	<6.7e-15	µCi/mL
			K-40	1.62e-13	µCi/mL
6/25/2024	AG90163	035	I-131	<5.2e-15	µCi/mL
			K-40	4.05e-13	µCi/mL
7/2/2024	AG91422	035	I-131	<1.5e-14	µCi/mL
			K-40	1.64e-13	µCi/mL
7/10/2024	AG91426	035	I-131	<7.2e-15	µCi/mL
			K-40	1.05e-13	µCi/mL
7/16/2024	AG92076	035	I-131	<2.9e-15	µCi/mL
			K-40	2.86e-13	µCi/mL
			Pb-212	5.3e-15	µCi/mL
7/23/2024	AG93158	035	I-131	<6.1e-15	µCi/mL
			K-40	1.59e-13	µCi/mL
7/30/2024	AG93876	035	I-131	<5.7e-15	µCi/mL
			K-40	2.36e-13	µCi/mL
8/6/2024	AG94586	035	I-131	<6.2e-15	µCi/mL
			K-40	2.25e-13	µCi/mL
8/13/2024	AG96227	035	I-131	<9.7e-15	µCi/mL
			K-40	2.06e-13	µCi/mL
8/20/2024	AG96484	035	I-131	<5.8e-15	µCi/mL
			K-40	2.60e-13	µCi/mL
8/27/2024	AG97454	035	I-131	<5.7e-15	µCi/mL
			K-40	2.16e-13	µCi/mL
9/3/2024	AG98019	035	I-131	<5.6e-15	µCi/mL
			K-40	2.21e-13	µCi/mL
9/10/2024	AG99010	035	I-131	<5.6e-15	µCi/mL
			K-40	2.45e-13	µCi/mL

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Date	Lab	Station	Analyte	Result	Units
Air Iodine Samples					
9/17/2024	AH00058	035	I-131	<5.6e-15	µCi/mL
			K-40	2.46e-13	µCi/mL
			Pb-212	1.09e-14	µCi/mL
			Tl-208	5.3e-15	µCi/mL
9/24/2024	AH00617	035	I-131	<4.5e-15	µCi/mL
			K-40	2.27e-13	µCi/mL
10/1/2024	AH01511	035	I-131	<5.1e-15	µCi/mL
			K-40	1.84e-13	µCi/mL
10/8/2024	AH02100	035	I-131	<4.4e-15	µCi/mL
			K-40	2.15e-13	µCi/mL
10/15/2024	AH02827	035	I-131	<6.2e-15	µCi/mL
			K-40	1.98e-13	µCi/mL
10/22/2024	AH03524	035	I-131	<2.4e-15	µCi/mL
			K-40	2.21e-13	µCi/mL
10/29/2024	AH04358	035	I-131	<4.9e-15	µCi/mL
			K-40	2.36e-13	µCi/mL
11/5/2024	AH05285	035	I-131	<5.0e-15	µCi/mL
			K-40	2.03e-13	µCi/mL
11/13/2024	AH06144	035	I-131	<4.0e-15	µCi/mL
			K-40	1.36e-13	µCi/mL
11/19/2024	AH06718	035	I-131	<5.6e-15	µCi/mL
			K-40	2.33e-13	µCi/mL
11/26/2024	AH07304	035	I-131	<4.0e-15	µCi/mL
			K-40	2.08e-13	µCi/mL
12/3/2024	AH07977	035	I-131	<4.5e-15	µCi/mL
			K-40	1.85e-13	µCi/mL
12/10/2024	AH08791	035	I-131	<3.5e-15	µCi/mL
			K-40	2.91e-13	µCi/mL
12/17/2024	AH09459	035	I-131	<5.3e-15	µCi/mL
			K-40	2.54e-13	µCi/mL
12/23/2024	AH09720	035	I-131	<9.2e-15	µCi/mL
			K-40	2.39e-13	µCi/mL
12/30/2024	AH09749	035	I-131	<6.8e-15	µCi/mL
			K-40	1.79e-13	µCi/mL

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Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Air Particulate Samples					
1/2/2024	AG67382	030	Gross Beta	3.17e-14	µCi/mL
1/9/2024	AG68485	030	Gross Beta	2.98e-14	µCi/mL
1/17/2024	AG68944	030	Gross Beta	3.04e-14	µCi/mL
1/23/2024	AG69991	030	Gross Beta	2.99e-14	µCi/mL
1/30/2024	AG70861	030	Gross Beta	1.70e-14	µCi/mL
2/6/2024	AG71936	030	Gross Beta	1.91e-14	µCi/mL
2/13/2024	AG73157	030	Gross Beta	1.86e-14	µCi/mL
2/20/2024	AG74151	030	Gross Beta	2.66e-14	µCi/mL
2/27/2024	AG75075	030	Gross Beta	2.85e-14	µCi/mL
3/5/2024	AG76050	030	Gross Beta	2.14e-14	µCi/mL
3/12/2024	AG77345	030	Gross Beta	2.08e-14	µCi/mL
3/19/2024	AG78434	030	Gross Beta	1.92e-14	µCi/mL
3/26/2024	AG79308	030	Gross Beta	1.91e-14	µCi/mL
3/26/2024	AG79309	030	I-131	<2.3e-15	µCi/mL
			K-40	2.70e-13	µCi/mL
4/2/2024	AG79871	030	Gross Beta	2.18e-14	µCi/mL
4/10/2024	AG81224	030	Gross Beta	2.08e-14	µCi/mL
4/16/2024	AG81878	030	Gross Beta	2.30e-14	µCi/mL
4/23/2024	AG82400	030	Gross Beta	2.08e-14	µCi/mL
4/30/2024	AG83706	030	Gross Beta	2.08e-14	µCi/mL
5/7/2024	AG84299	030	Gross Beta	1.38e-14	µCi/mL
5/14/2024	AG85353	030	Gross Beta	1.97e-14	µCi/mL
5/21/2024	AG86242	030	Gross Beta	2.22e-14	µCi/mL
5/28/2024	AG86843	030	Gross Beta	2.25e-14	µCi/mL
6/4/2024	AG87747	030	Gross Beta	1.65e-14	µCi/mL
6/12/2024	AG88855	030	Gross Beta	2.11e-14	µCi/mL
6/18/2024	AG89608	030	Gross Beta	2.59e-14	µCi/mL
6/25/2024	AG90164	030	Gross Beta	1.120e-14	µCi/mL
7/2/2024	AG91423	030	Gross Beta	1.79e-14	µCi/mL
7/10/2024	AG91427	030	Gross Beta	1.87e-14	µCi/mL
7/16/2024	AG92077	030	Gross Beta	1.85e-14	µCi/mL
7/23/2024	AG93159	030	Gross Beta	1.41e-14	µCi/mL
7/30/2024	AG93877	030	Gross Beta	1.52e-14	µCi/mL
8/6/2024	AG94587	030	Gross Beta	2.14e-14	µCi/mL
8/13/2024	AG96228	030	Gross Beta	2.73e-14	µCi/mL
8/20/2024	AG96485	030	Gross Beta	2.65e-14	µCi/mL
8/27/2024	AG97455	030	Gross Beta	2.65e-14	µCi/mL

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Date	Lab	Station	Analyte	Result	Units
Air Particulate Samples					
9/3/2024	AG98020	030	Gross Beta	9.11e-15	µCi/mL
9/10/2024	AG99011	030	Gross Beta	2.18e-14	µCi/mL
9/17/2024	AH00059	030	Gross Beta	1.42e-14	µCi/mL
9/24/2024	AH00618	030	Gross Beta	2.10e-14	µCi/mL
10/1/2024	AH01512	030	Gross Beta	3.76e-14	µCi/mL
10/8/2024	AH02101	030	Gross Beta	2.95e-14	µCi/mL
10/15/2024	AH02828	030	Gross Beta	3.91e-14	µCi/mL
10/22/2024	AH03525	030	Gross Beta	2.16e-14	µCi/mL
10/28/2024	AH04359	030	Gross Beta	2.79e-14	µCi/mL
11/5/2024	AH05286	030	Gross Beta	1.58e-14	µCi/mL
11/13/2024	AH06145	030	Gross Beta	2.31e-14	µCi/mL
11/19/2024	AH06719	030	Gross Beta	3.02e-14	µCi/mL
11/26/2024	AH07305	030	Gross Beta	2.70e-14	µCi/mL
12/3/2024	AH07978	030	Gross Beta	4.40e-14	µCi/mL
12/10/2024	AH08792	030	Gross Beta	3.07e-14	µCi/mL
12/17/2024	AH09460	030	Gross Beta	1.85e-14	µCi/mL
12/23/2024	AH09721	030	Gross Beta	3.71e-14	µCi/mL
12/30/2024	AH09750	030	Gross Beta	2.86e-14	µCi/mL
1/2/2024	AG67380	035	Gross Beta	3.19e-14	µCi/mL
1/9/2024	AG68483	035	Gross Beta	2.93e-14	µCi/mL
1/17/2024	AG68942	035	Gross Beta	3.08e-14	µCi/mL
1/23/2024	AG69989	035	Gross Beta	2.91e-14	µCi/mL
1/30/2024	AG70859	035	Gross Beta	1.64e-14	µCi/mL
2/6/2024	AG71934	035	Gross Beta	2.03e-14	µCi/mL
2/13/2024	AG73155	035	Gross Beta	2.09e-14	µCi/mL
2/20/2024	AG74149	035	Gross Beta	2.66e-14	µCi/mL
2/27/2024	AG75073	035	Gross Beta	2.73e-14	µCi/mL
3/5/2024	AG76048	035	Gross Beta	2.05e-14	µCi/mL
3/12/2024	AG77343	035	Gross Beta	2.32e-14	µCi/mL
3/19/2024	AG78432	035	Gross Beta	2.02e-14	µCi/mL
3/26/2024	AG79306	035	Gross Beta	1.79e-14	µCi/mL
4/2/2024	AG79869	035	Gross Beta	2.10e-14	µCi/mL
4/10/2024	AG81222	035	Gross Beta	2.06e-14	µCi/mL
4/16/2024	AG81876	035	Gross Beta	2.50e-14	µCi/mL
4/23/2024	AG82398	035	Gross Beta	2.19e-14	µCi/mL
4/30/2024	AG83704	035	Gross Beta	2.12e-14	µCi/mL

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Date	Lab	Station	Analyte	Result	Units
Air Particulate Samples					
5/7/2024	AG84297	035	Gross Beta	1.59e-14	µCi/mL
5/14/2024	AG85351	035	Gross Beta	1.96e-14	µCi/mL
5/21/2024	AG86240	035	Gross Beta	2.29e-14	µCi/mL
5/28/2024	AG86841	035	Gross Beta	2.41e-14	µCi/mL
6/4/2024	AG87745	035	Gross Beta	1.62e-14	µCi/mL
6/12/2024	AG88853	035	Gross Beta	2.03e-14	µCi/mL
6/18/2024	AG89606	035	Gross Beta	2.53e-14	µCi/mL
6/25/2024	AG90162	035	Gross Beta	1.20e-14	µCi/mL
7/2/2024	AG91421	035	Gross Beta	1.84e-14	µCi/mL
7/10/2024	AG91425	035	Gross Beta	1.67e-14	µCi/mL
7/16/2024	AG92075	035	Gross Beta	2.00e-14	µCi/mL
7/23/2024	AG93157	035	Gross Beta	1.57e-14	µCi/mL
7/30/2024	AG93673	035	Gross Beta	1.50e-14	µCi/mL
8/6/2024	AG94585	035	Gross Beta	2.37e-14	µCi/mL
8/13/2024	AG96226	035	Gross Beta	2.82e-14	µCi/mL
8/20/2024	AG96483	035	Gross Beta	2.61e-14	µCi/mL
8/27/2024	AG97453	035	Gross Beta	2.88e-14	µCi/mL
9/3/2024	AG98018	035	Gross Beta	9.43e-15	µCi/mL
9/10/2024	AG99009	035	Gross Beta	2.07e-14	µCi/mL
9/17/2024	AH00057	035	Gross Beta	1.57e-14	µCi/mL
9/24/2024	AH00616	035	Gross Beta	2.19e-14	µCi/mL
10/1/2024	AH01510	035	Gross Beta	4.19e-14	µCi/mL
10/8/2024	AH02099	035	Gross Beta	2.98e-14	µCi/mL
10/15/2024	AH02826	035	Gross Beta	4.50e-14	µCi/mL
10/22/2024	AH03523	035	Gross Beta	2.51e-14	µCi/mL
10/29/2024	AH04357	035	Gross Beta	2.78e-14	µCi/mL
11/5/2024	AH05284	035	Gross Beta	1.45e-14	µCi/mL
11/13/2024	AH06143	035	Gross Beta	2.20e-14	µCi/mL
11/19/2024	AH06717	035	Gross Beta	2.94e-14	µCi/mL
11/26/2024	AH07303	035	Gross Beta	2.87e-14	µCi/mL
12/3/2024	AH07976	035	Gross Beta	4.62e-14	µCi/mL
12/10/2024	AH08790	035	Gross Beta	3.02e-14	µCi/mL
12/17/2024	AH09458	035	Gross Beta	1.85e-14	µCi/mL
12/23/2024	AH09719	035	Gross Beta	3.73e-14	µCi/mL
12/30/2024	AH09748	035	Gross Beta	2.96e-14	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Food Product Samples					
10/15/2024	AH02830	004	Ba-140	<4.3e-8	µCi/g
			Be-7	1.098e-6	µCi/g
			Bi-212	1.45e-7	µCi/g
			Bi-214	1.08e-7	µCi/g
			Co-58	<7.9e-9	µCi/g
			Co-60	<8.2e-9	µCi/g
			Cs-134	<7.1e-9	µCi/g
			Cs-137	<9.0e-8	µCi/g
			Fe-59	<2.0e-8	µCi/g
			I-131	<1.8e-8	µCi/g
			K-40	7.04e-6	µCi/g
			La-140	<1.2e-8	µCi/g
			Mn-54	<7.8e-9	µCi/g
			Nb-95	<9.5e-9	µCi/g
			Pb-212	9.5e-8	µCi/g
			Pb-214	1.14e-7	µCi/g
			Tl-208	5.22e-8	µCi/g
			Zn-65	<2.1e-8	µCi/g
			Zr-95	<1.5e-8	µCi/g
6/4/2024	AG87744	030	Ba-140	<5.8e-8	µCi/g
			Be-7	2.02e-6	µCi/g
			Co-58	<1.3e-8	µCi/g
			Co-60	<1.5e-8	µCi/g
			Cs-134	<1.3e-8	µCi/g
			Cs-137	<1.3e-8	µCi/g
			Fe-59	<3.1e-8	µCi/g
			I-131	<2.1e-8	µCi/g
			K-40	4.39e-6	µCi/g
			La-140	<2.0e-8	µCi/g
			Mn-54	<1.2e-8	µCi/g
			Nb-95	<1.4e-8	µCi/g
			Zn-65	<3.1e-8	µCi/g
			Zr-95	<2.2e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Food Product Samples					
8/7/2024	AG94582	030	Ba-140	<3.0e-8	µCi/g
			Be-7	1.100e-6	µCi/g
			Co-58	<8.1e-9	µCi/g
			Co-60	<8.9e-9	µCi/g
			Cs-134	<7.3e-9	µCi/g
			Cs-137	<8.0e-9	µCi/g
			Fe-59	<2.0e-8	µCi/g
			I-131	<8.1e-9	µCi/g
			K-40	6.75e-6	µCi/g
			La-140	<8.0e-9	µCi/g
			Mn-54	<7.8e-9	µCi/g
			Nb-95	<8.1e-9	µCi/g
			Pb-212	2.1e-8	µCi/g
			Tl-208	1.39e-8	µCi/g
			Zn-65	<2.3e-8	µCi/g
			Zr-95	<1.4e-8	µCi/g
3/19/2024	AG78436	035	Ba-140	3.4e-8	µCi/g
			Be-7	2.41e-6	µCi/g
			Co-58	<7.5e-9	µCi/g
			Co-60	<8.0e-9	µCi/g
			Cs-134	<6.7e-9	µCi/g
			Cs-137	<7.6e-9	µCi/g
			Fe-59	<1.8e-8	µCi/g
			I-131	<1.4e-8	µCi/g
			K-40	4.84e-6	µCi/g
			La-140	<8.5e-9	µCi/g
			Mn-54	<7.4e-9	µCi/g
			Nb-95	8.1e-9	µCi/g
			Pb-212	3.13e-8	µCi/g
			Zn-65	<1.8e-8	µCi/g
			Zr-95	<1.3e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Food Product Samples					
6/4/2024	AG87743	035	Ba-140	<7.4e-8	µCi/g
			Be-7	2.11e-6	µCi/g
			Co-58	<1.5e-8	µCi/g
			Co-60	<1.7e-8	µCi/g
			Cs-134	<1.5e-8	µCi/g
			Cs-137	<1.6e-8	µCi/g
			Fe-59	<3.5e-8	µCi/g
			I-131	<2.6e-8	µCi/g
			K-40	4.45e-6	µCi/g
			La-140	<2.3e-8	µCi/g
			Mn-54	<1.5e-8	µCi/g
			Nb-95	<1.7e-8	µCi/g
			Zn-65	<3.7e-8	µCi/g
			Zr-95	<2.7e-8	µCi/g
8/7/2024	AG94581	035	Ba-140	<4.5e-8	µCi/g
			Be-7	6.45e-7	µCi/g
			Co-58	<1.1e-8	µCi/g
			Co-60	<1.2e-8	µCi/g
			Cs-134	<1.2e-8	µCi/g
			Cs-137	<1.2e-8	µCi/g
			Fe-59	<2.5e-8	µCi/g
			I-131	<1.3e-8	µCi/g
			K-40	4.73e-6	µCi/g
			La-140	<1.1e-8	µCi/g
			Mn-54	<1.1e-8	µCi/g
			Nb-95	<1.1e-8	µCi/g
			Zn-65	<2.7e-8	µCi/g
			Zr-95	<2.0e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Food Product Samples					
10/15/2024	AH02831	035	Ba-140	<4.1e-8	µCi/g
			Co-58	<8.4e-9	µCi/g
			Co-60	<9.3e-9	µCi/g
			Cs-134	<7.0e-9	µCi/g
			Cs-137	<7.7e-9	µCi/g
			Fe-59	<2.2e-8	µCi/g
			I-131	<1.5e-8	µCi/g
			K-40	5.79e-6	µCi/g
			La-140	<1.2e-8	µCi/g
			Mn-54	<7.8e-9	µCi/g
			Nb-95	<8.9e-9	µCi/g
			Zn-65	<2.2e-8	µCi/g
			Zr-95	<1.5e-8	µCi/g
3/19/2024	AG78437	063	Ba-140	<3.8e-8	µCi/g
			Be-7	9.74e-7	µCi/g
			Co-58	<8.4e-9	µCi/g
			Co-60	<8.8e-9	µCi/g
			Cs-134	<8.4e-9	µCi/g
			Cs-137	<8.9e-9	µCi/g
			Fe-59	<2.0e-8	µCi/g
			I-131	<1.3e-8	µCi/g
			K-40	4.59e-6	µCi/g
			La-140	<1.0e-8	µCi/g
			Mn-54	<8.4e-9	µCi/g
			Nb-95	<9.3e-9	µCi/g
			Zn-65	<2.3e-8	µCi/g
			Zr-95	<1.5e-8	µCi/g

South Texas Project
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Fish Samples					
4/13/2024	AG81880	053	Ba-140	<9.4e-8	µCi/g
			Co-58	<1.7e-8	µCi/g
			Co-60	<1.7e-8	µCi/g
			Cs-134	<1.7e-8	µCi/g
			Cs-137	<1.8e-8	µCi/g
			Fe-59	<3.7e-8	µCi/g
			I-131	<3.8e-8	µCi/g
			K-40	1.38e-6	µCi/g
			La-140	<2.5e-8	µCi/g
			Mn-54	<1.6e-8	µCi/g
			Nb-95	<1.9e-8	µCi/g
			Tl-208	2.3e-7	µCi/g
			Zn-65	<4.0e-8	µCi/g
			Zr-95	<3.0e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Sediment Samples					
3/26/2024	AG79310	052	Ba-140	<1.1e-7	µCi/g
			Bi-214	3.88e-7	µCi/g
			Co-58	<3.1e-8	µCi/g
			Co-60	<3.6e-8	µCi/g
			Cs-134	<3.8e-8	µCi/g
			Cs-137	<3.3e-8	µCi/g
			Fe-59	<6.3e-8	µCi/g
			I-131	<3.3e-8	µCi/g
			K-40	1.007e-5	µCi/g
			La-140	<3.6e-8	µCi/g
			Mn-54	<3.1e-8	µCi/g
			Nb-95	<3.4e-8	µCi/g
			Pb-212	3.05e-7	µCi/g
			Pb-214	3.91e-7	µCi/g
			Tl-208	1.28e-7	µCi/g
			Zn-65	<9.6e-8	µCi/g
			Zr-95	<5.1e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
6/24/2024	AG89937	004	Ba-140	<2.1e-8	µCi/g
			Be-7	1.31e-7	µCi/g
			Co-58	<5.0e-9	µCi/g
			Co-60	<5.4e-9	µCi/g
			Cs-134	<4.7e-9	µCi/g
			Cs-137	<5.4e-9	µCi/g
			Fe-59	<1.2e-8	µCi/g
			I-131	<7.6e-9	µCi/g
			K-40	3.37e-6	µCi/g
			La-140	<6.3e-9	µCi/g
			Mn-54	<5.1e-9	µCi/g
			Nb-95	<5.3e-9	µCi/g
			Zn-65	<1.3e-8	µCi/g
			Zr-95	<9.1e-9	µCi/g
8/19/2024	AG96225	004	Ba-140	<4.0e-8	µCi/g
			Be-7	3.36e-7	µCi/g
			Co-58	<1.1e-8	µCi/g
			Co-60	<1.2e-8	µCi/g
			Cs-134	<1.2e-8	µCi/g
			Cs-137	<1.1e-8	µCi/g
			Fe-59	<2.7e-8	µCi/g
			I-131	<1.3e-8	µCi/g
			K-40	6.14e-6	µCi/g
			La-140	<1.2e-8	µCi/g
			Mn-54	<1.1e-8	µCi/g
			Nb-95	<1.2e-8	µCi/g
			Pb-214	6.6e-8	µCi/g
			Zn-65	<3.0e-8	µCi/g
			Zr-95	<1.8e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
12/4/2024	AH07975	004	Ba-140	<2.7e-8	µCi/g
			Be-7	4.12e-7	µCi/g
			Co-58	<5.5e-9	µCi/g
			Co-60	<6.3e-9	µCi/g
			Cs-134	<4.8e-9	µCi/g
			Cs-137	<5.3e-9	µCi/g
			Fe-59	<1.5e-8	µCi/g
			I-131	<8.9e-9	µCi/g
			K-40	5.83e-6	µCi/g
			La-140	<6.8e-9	µCi/g
			Mn-54	<5.5e-9	µCi/g
			Nb-95	<6.2e-9	µCi/g
			Tl-208	4.4e-9	µCi/g
			Zn-65	<1.6e-8	µCi/g
			Zr-95	<9.1e-9	µCi/g
3/18/2024	AG77846	030	Ba-140	<2.2e-8	µCi/g
			Be-7	2.62e-7	µCi/g
			Co-58	<5.6e-9	µCi/g
			Co-60	<6.3e-9	µCi/g
			Cs-134	<5.3e-9	µCi/g
			Cs-137	<6.3e-9	µCi/g
			Fe-59	<1.3e-8	µCi/g
			I-131	<6.7e-9	µCi/g
			K-40	3.74e-6	µCi/g
			La-140	<6.3e-9	µCi/g
			Mn-54	<5.8e-9	µCi/g
			Nb-95	<5.9e-9	µCi/g
			Pb-212	6.6e-8	µCi/g
			Tl-208	1.97e-8	µCi/g
			Zn-65	<1.5e-8	µCi/g
			Zr-95	<9.8e-9	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
4/24/2024	AG82580	030	Ba-140	<2.4e-8	µCi/g
			Be-7	2.82e-7	µCi/g
			Co-58	<6.6e-9	µCi/g
			Co-60	<7.4e-9	µCi/g
			Cs-134	<6.3e-9	µCi/g
			Cs-137	<7.3e-9	µCi/g
			Fe-59	<1.4e-8	µCi/g
			I-131	<8.0e-9	µCi/g
			K-40	4.41e-6	µCi/g
			La-140	<6.9e-9	µCi/g
			Mn-54	<6.8e-9	µCi/g
			Nb-95	<6.8e-9	µCi/g
			Pb-212	3.4e-8	µCi/g
			Tl-208	1.79e-8	µCi/g
			Zn-65	<1.6e-8	µCi/g
			Zr-95	<1.3e-8	µCi/g
11/14/2024	AH02441	030	Ba-140	<1.9e-8	µCi/g
			Be-7	2.06e-7	µCi/g
			Co-58	<4.8e-9	µCi/g
			Co-60	<5.3e-9	µCi/g
			Cs-134	<4.3e-9	µCi/g
			Cs-137	<5.3e-9	µCi/g
			Fe-59	<1.1e-8	µCi/g
			I-131	<5.9e-9	µCi/g
			K-40	4.95e-6	µCi/g
			La-140	<4.4e-9	µCi/g
			Mn-54	<4.8e-9	µCi/g
			Nb-95	<5.0e-9	µCi/g
			Zn-65	<1.3e-8	µCi/g
			Zr-95	<8.4e-9	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
5/20/2024	AG85984	063	Ba-140	<2.3e-8	µCi/g
			Be-7	3.26e-7	µCi/g
			Co-58	<5.7e-9	µCi/g
			Co-60	<6.0e-9	µCi/g
			Cs-134	<5.3e-9	µCi/g
			Cs-137	<6.4e-9	µCi/g
			Fe-59	<1.3e-8	µCi/g
			I-131	<7.3e-9	µCi/g
			K-40	3.80e-6	µCi/g
			La-140	<6.0e-9	µCi/g
			Mn-54	<5.5e-9	µCi/g
			Nb-95	<5.7e-9	µCi/g
			Zn-65	<1.4e-8	µCi/g
			Zr-95	<9.9e-9	µCi/g
7/29/2024	AG93662	063	Ba-140	<2.1e-8	µCi/g
			Be-7	1.27e-6	µCi/g
			Co-58	<4.9e-9	µCi/g
			Co-60	<4.9e-9	µCi/g
			Cs-134	<4.3e-9	µCi/g
			Cs-137	<5.2e-9	µCi/g
			Fe-59	<1.1e-8	µCi/g
			I-131	<7.5e-9	µCi/g
			K-40	3.79e-6	µCi/g
			La-140	<4.7e-9	µCi/g
			Mn-54	<4.8e-9	µCi/g
			Nb-95	<5.1e-9	µCi/g
			Zn-65	<1.2e-8	µCi/g
			Zr-95	<8.8e-9	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation for Milk Samples					
9/24/2024	AH00521	063	Ba-140	<2.6e-8	µCi/g
			Be-7	3.71e-7	µCi/g
			Co-58	<5.6e-9	µCi/g
			Co-60	<5.9e-9	µCi/g
			Cs-134	<5.2e-9	µCi/g
			Cs-137	<5.6e-9	µCi/g
			Fe-59	<1.3e-8	µCi/g
			I-131	<9.2e-9	µCi/g
			La-140	<6.8e-9	µCi/g
			Mn-54	<5.7e-9	µCi/g
			Nb-95	<5.7e-9	µCi/g
			Zn-65	<1.5e-8	µCi/g
			Zr-95	<9.2e-9	µCi/g
11/20/2024	AH06721	063	Ba-140	<2.3e-8	µCi/g
			Be-7	8.15e-7	µCi/g
			Co-58	<6.2e-9	µCi/g
			Co-60	<7.3e-9	µCi/g
			Cs-134	<6.2e-9	µCi/g
			Cs-137	<6.4e-9	µCi/g
			Fe-59	<1.6e-8	µCi/g
			I-131	<6.7e-9	µCi/g
			K-40	4.30e-6	µCi/g
			La-140	<7.1e-9	µCi/g
			Mn-54	<6.6e-9	µCi/g
			Nb-95	<6.6e-9	µCi/g
			Pb-212	1.22e-7	µCi/g
			Tl-208	3.90e-8	µCi/g
			Zn-65	<1.8e-8	µCi/g
			Zr-95	<1.2e-8	µCi/g

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
12/11/2024	AH08954	046	Ba-140	<6.3e-9	µCi/mL
			Co-58	<1.6e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<1.6e-9	µCi/mL
			Fe-59	<3.2e-9	µCi/mL
			Gross Beta	6.5e-9	µCi/mL
			I-131	<1.9e-9	µCi/mL
			La-140	<2.4e-9	µCi/mL
			Mn-54	<1.6e-9	µCi/mL
			Nb-95	<1.7e-9	µCi/mL
			Zn-65	<3.5e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL
1/29/2024	AG70556	052	Ba-140	<6.3e-9	µCi/mL
			Co-58	<1.6e-9	µCi/mL
			Co-60	<1.6e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<1.9e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	1.55e-8	µCi/mL
			I-131	<2.1e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
2/19/2024	AG73860	052	Ba-140	<6.7e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<1.9e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	2.22e-8	µCi/mL
			I-131	<2.3e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.6e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.4e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL
3/13/2024	AG77347	052	Ba-140	<7.8e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.2e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	4.4e-8	µCi/mL
			I-131	<2.5e-9	µCi/mL
			K-40	4.3e-8	µCi/mL
			La-140	<2.9e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.7e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
4/14/2024	AG81228	052	Ba-140	<6.4e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.6e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<1.8e-9	µCi/mL
			Fe-59	<2.9e-9	µCi/mL
			Gross Beta	1.42e-8	µCi/mL
			I-131	<2.1e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.6e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.4e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL
5/13/2024	AG85052	052	Ba-140	<7.5e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.4e-9	µCi/mL
			Gross Beta	2.74e-8	µCi/mL
			I-131	<2.5e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<1.7e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
6/3/2024	AG87588	052	Ba-140	<7.0e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.6e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<1.9e-9	µCi/mL
			Fe-59	<3.3e-9	µCi/mL
			Gross Beta	3.53e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.1e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL
7/15/2024	AG92073	052	Ba-140	<6.5e-9	µCi/mL
			Co-58	<1.8e-9	µCi/mL
			Co-60	<1.8e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	3.81e-8	µCi/mL
			I-131	<2.5e-9	µCi/mL
			La-140	<2.1e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.5e-9	µCi/mL
			Zr-95	<2.9e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
8/5/2024	AG94583	052	Ba-140	<7.4e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.8e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.3e-9	µCi/mL
			Gross Beta	1.51e-8	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.7e-9	µCi/mL
			Nb-95	<1.7e-9	µCi/mL
			Zn-65	<3.5e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL
9/9/2024	AG99013	052	Ba-140	<7.9e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.8e-9	µCi/mL
			Cs-134	<1.8e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.5e-9	µCi/mL
			Gross Beta	8.2e-8	µCi/mL
			I-131	<2.8e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<3.6e-9	µCi/mL
			Zr-95	<3.2e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
10/9/2024	AH02241	052	Ba-140	<7.3e-9	µCi/mL
			Co-58	<2.1e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	1.33e-7	µCi/mL
			I-131	<2.4e-9	µCi/mL
			K-40	9.6e-8	µCi/mL
			La-140	<2.5e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.5e-9	µCi/mL
11/21/2024	AH06914	052	Ba-140	<8.0e-9	µCi/mL
			Co-58	<1.7e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.7e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<3.5e-9	µCi/mL
			Gross Beta	1.33e-7	µCi/mL
			I-131	<2.9e-9	µCi/mL
			K-40	1.36e-7	µCi/mL
			La-140	<2.3e-9	µCi/mL
			Mn-54	<1.8e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<3.8e-9	µCi/mL
			Zr-95	<3.0e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
12/11/2024	AH08953	052	Ba-140	<8.3e-9	µCi/mL
			Co-58	<2.1e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.0e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	1.09e-7	µCi/mL
			I-131	<2.5e-9	µCi/mL
			K-40	1.41e-7	µCi/mL
			La-140	<2.9e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.2e-9	µCi/mL
			Zn-65	<4.4e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL
1/29/2024	AG70557	054	Ba-140	<7.7e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.2e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	1.53e-8	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.5e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.5e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
2/19/2024	AG73861	054	Ba-140	<8.0e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	6.2e-9	µCi/mL
			I-131	<2.5e-9	µCi/mL
			La-140	<2.6e-9	µCi/mL
			Mn-54	<2.1e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.2e-9	µCi/mL
3/13/2024	AG77348	054	Ba-140	<8.7e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.9e-9	µCi/mL
			Gross Beta	8.0e-9	µCi/mL
			I-131	<3.0e-9	µCi/mL
			La-140	<3.2e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.1e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
4/14/2024	AG81394	054	Ba-140	<7.8e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<1.9e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	5.5e-9	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.8e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<4.1e-9	µCi/mL
			Zr-95	<3.1e-9	µCi/mL
5/13/2024	AG85053	054	Ba-140	<7.5e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	4.5e-9	µCi/mL
			I-131	<2.4e-9	µCi/mL
			La-140	<2.8e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.0e-9	µCi/mL
			Zn-65	<4.3e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
5/13/2024	AG87589	054	Ba-140	<8.1e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.2e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<3.8e-9	µCi/mL
			Gross Beta	6.0e-9	µCi/mL
			I-131	<2.6e-9	µCi/mL
			La-140	<3.1e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<1.9e-9	µCi/mL
			Zn-65	<4.2e-9	µCi/mL
			Zr-95	<3.3e-9	µCi/mL
7/15/2024	AG92074	054	Ba-140	<8.8e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.2e-9	µCi/mL
			Fe-59	<4.1e-9	µCi/mL
			Gross Beta	1.64e-8	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.6e-9	µCi/mL
			Mn-54	<1.9e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.6e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
8/5/2024	AG94584	054	Ba-140	<8.5e-9	µCi/mL
			Co-58	<2.1e-9	µCi/mL
			Co-60	<2.2e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.2e-9	µCi/mL
			Fe-59	<4.4e-9	µCi/mL
			Gross Beta	1.121e-7	µCi/mL
			I-131	<2.7e-9	µCi/mL
			K-40	7.3e-8	µCi/mL
			La-140	<2.8e-9	µCi/mL
			Mn-54	<2.1e-9	µCi/mL
			Nb-95	<2.2e-9	µCi/mL
			Pb-212	9.2e-9	µCi/mL
			Tl-208	2.6e-9	µCi/mL
			Zn-65	<4.7e-9	µCi/mL
			Zr-95	<3.7e-9	µCi/mL
9/9/2024	AG99014	054	Ba-140	<8.7e-9	µCi/mL
			Co-58	<2.0e-9	µCi/mL
			Co-60	<2.0e-9	µCi/mL
			Cs-134	<2.0e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.1e-9	µCi/mL
			Gross Beta	8.7e-9	µCi/mL
			I-131	<2.7e-9	µCi/mL
			La-140	<2.2e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.1e-9	µCi/mL
			Zn-65	<4.6e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
10/9/2024	AH02240	054	Ba-140	<6.9e-9	µCi/mL
			Co-58	<1.6e-9	µCi/mL
			Co-60	<1.7e-9	µCi/mL
			Cs-134	<1.6e-9	µCi/mL
			Cs-137	<1.9e-9	µCi/mL
			Fe-59	<3.1e-9	µCi/mL
			Gross Beta	9.1e-9	µCi/mL
			I-131	<2.3e-9	µCi/mL
			La-140	<2.0e-9	µCi/mL
			Mn-54	<1.5e-9	µCi/mL
			Nb-95	<1.8e-9	µCi/mL
			Zn-65	<3.4e-9	µCi/mL
			Zr-95	<2.8e-9	µCi/mL
11/21/2024	AH06915	054	Ba-140	<8.9e-9	µCi/mL
			Co-58	<1.9e-9	µCi/mL
			Co-60	<2.1e-9	µCi/mL
			Cs-134	<2.1e-9	µCi/mL
			Cs-137	<2.1e-9	µCi/mL
			Fe-59	<4.0e-9	µCi/mL
			Gross Beta	5.7e-9	µCi/mL
			I-131	<2.8e-9	µCi/mL
			La-140	<3.0e-9	µCi/mL
			Mn-54	<2.0e-9	µCi/mL
			Nb-95	<2.2e-9	µCi/mL
			Zn-65	<4.5e-9	µCi/mL
			Zr-95	<3.4e-9	µCi/mL

Date	Lab	Station	Analyte	Result	Units
Water Composite Samples					
3/4/2024	AG68492	052	H-3	<1.0e-6	µCi/mL
5/31/2024	AG80387	052	H-3	<1.0e-6	µCi/mL
10/15/2024	AG92263	052	H-3	<1.0e-6	µCi/mL
12/31/2024	AH03073	052	H-3	<1.0e-6	µCi/mL
3/4/2024	AG68491	054	H-3	<1.0e-6	µCi/mL
5/31/2024	AG80386	054	H-3	<1.0e-6	µCi/mL
10/15/2024	AG92262	054	H-3	<1.0e-6	µCi/mL
12/31/2024	AH03072	054	H-3	<1.0e-6	µCi/mL
4/8/2024	AG80388	085	H-3	1.180e-5	µCi/mL

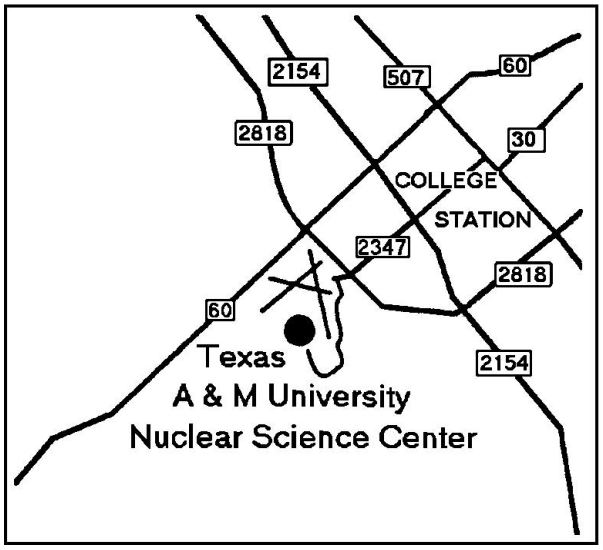
*NOTE: * Indicates the analysis was by alpha spectrometry, or Ra-226, analysis by radon emanation.*
***Indicates the tritium (H-3) analysis for food product, sediment, and vegetation is reported in UCi/ml*

Research Reactors

Texas A & M University Nuclear Science Center
Radiation Branch Site No. 001

Texas A&M Nuclear Science Center (NSC) is located seven miles south of downtown Bryan just south of Easterwood Airport. NSC houses a one-megawatt TRIGA (Testing, Research, Isotope Production, General Atomics) research reactor that came online in 1961. The Radiation Branch Surveillance Program consists of OSL monitoring.

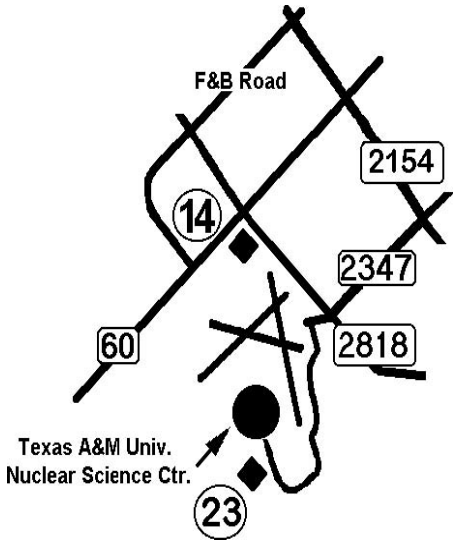
Shaded area indicates location of Brazos County



Texas A & M University Nuclear Science Center
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed



Texas A & M Nuclear Science Center

Optically Stimulated Luminescent Dosimeter (OSL) Monitoring Results[1]
(quarterly and annual readings are in mrem)

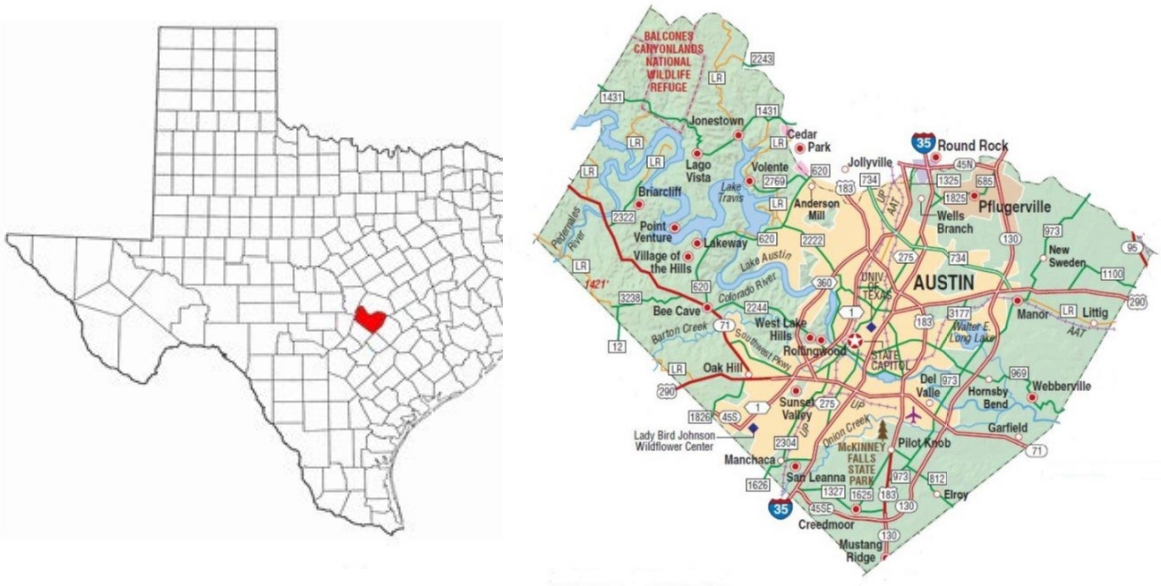
OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
2	51	52	58	43	204	
3	40	42	42	39	163	
4	47	44	60	42	193	
5	32	34	32	35	133	
10	32	33	31	56	152	
11	32	34	30	35	131	
***14**	33	35	32	37	137	
18	33	34	33	38	138	
19	44	66	33	40	183	
***23**	32	33	29	35	129	
24	33	35	34	37	139	

NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

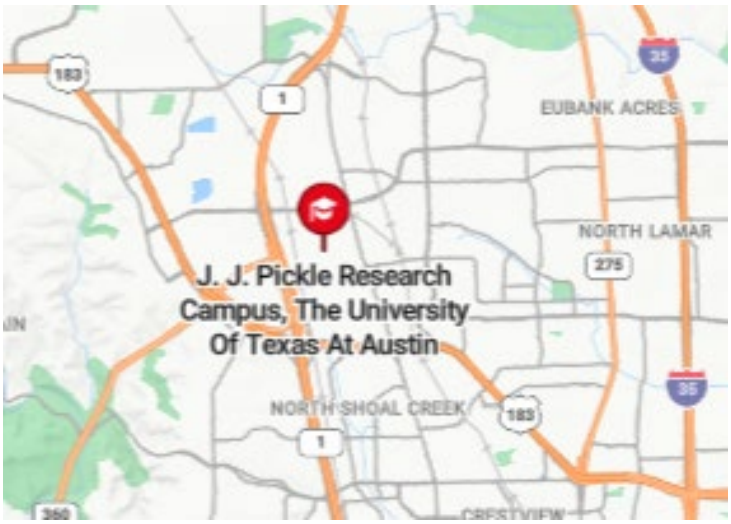
University of Texas Nuclear
Engineering Teaching Laboratory

Radiation Branch Site No. 003

University of Texas Nuclear Engineering Teaching Laboratory (NETL) is located at the J. J. Pickle Research Center, approximately five miles north of the Texas Department of State Health Services main campus. NETL houses an above-ground, fixed-core 1.1 megawatt TRIGA (Testing, Research, Isotope Production, General Atomics) research reactor that came online in 1992. The Radiation Branch Surveillance Program consists of sampling sewage and water and OSL monitoring.



Shaded area indicates location of Travis County



University of Texas Nuclear Engineering Teaching Laboratory
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed

University of Texas Nuclear Engineering Teaching Laboratory

Optically Stimulated Luminescent Dosimeter (OSL) Monitoring Results[1]
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	29	31	31	33	124	
2	31	35	34	35	135	
3	32	0	32	35	99	Q2 OSL not found
4	35	35	36	38	144	
5	33	33	33	35	134	
***20**	29	31	32	34	126	

NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

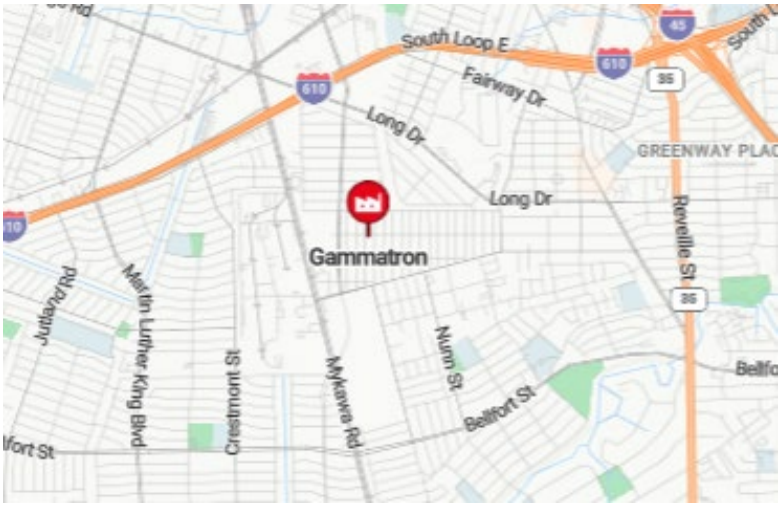
Other Facilities

Gammatron, Inc.
Radiation Branch Site No. 018

Gammatron, Inc. is a manufacturer of sealed radioactive sources. The facility is located in an industrial area of Houston approximately four miles northwest of William P. Hobby Airport. The Radiation Branch Surveillance Program consists of OSL monitoring.

Shaded area indicates location of Harris County

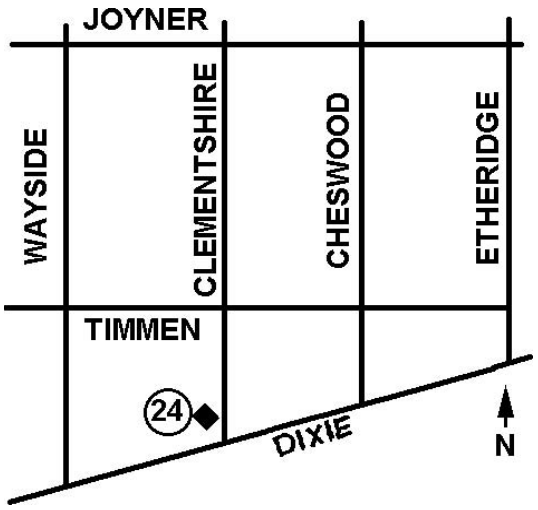
Harris County



Gammatron, Inc.
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed



Gammatron, Inc.

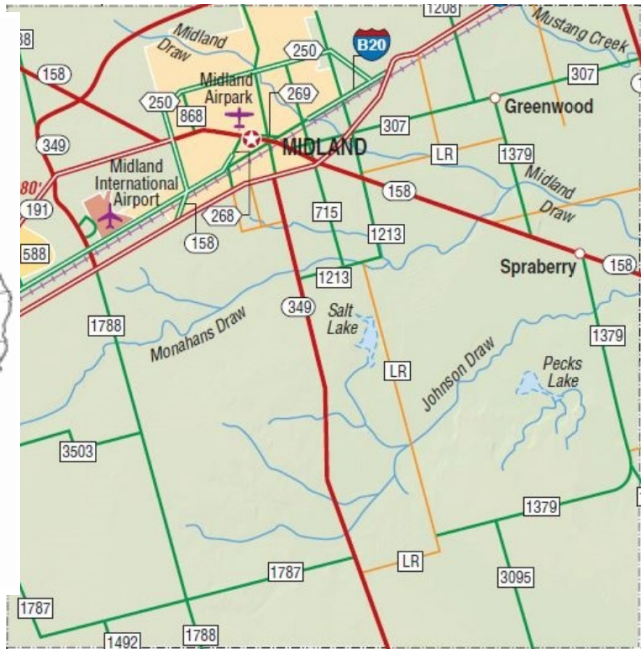
Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
3	110	146	127	125	508	
5	390	1669	1395	1440	4894	
8	297	366	333	349	1345	
***24**	31	33	30	33	127	
30	55	139	65	114	373	
31	76	270	70	99	515	
34	92	217	224	279	812	
40	182	90	63	117	452	

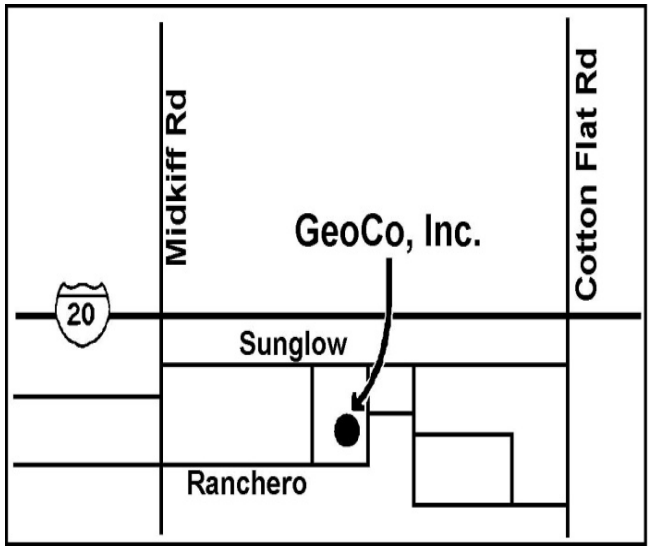
NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

GeoCo, Inc.
Radiation Branch Site No. 051

GeoCo, Inc. is a tracer studies company specializing in oil and gas wells. The facility is located in Midland approximately six miles east of Midland-Odessa International Airport. The Radiation Branch Surveillance Program consists of OSL monitoring.



Shaded area indicates location of Midland County



GeoCo, Inc.
Monitoring Station Locations

♦ TLD Station	♥ Sample Station	♣ TLD & Sample Station

Homeland Security -Diagram Removed

GeoCo, Inc.

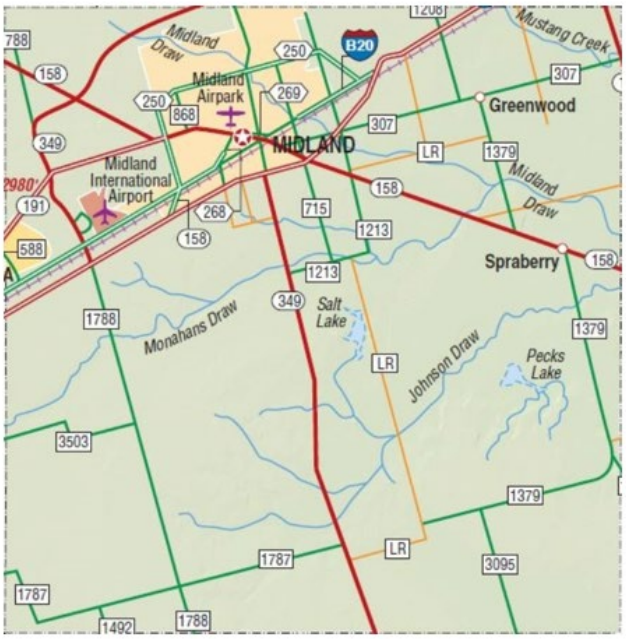
Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	34	40	35	39	148	
8	32	38	35	37	142	

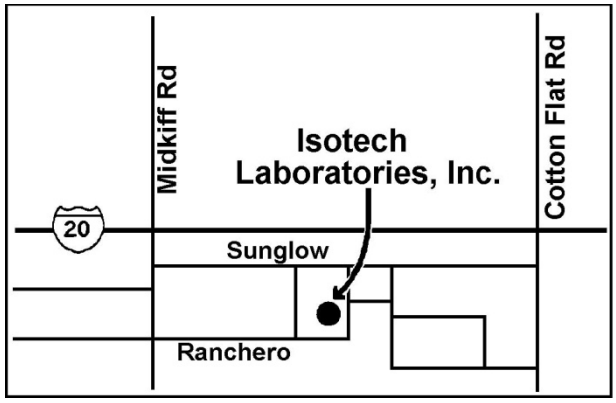
NOTE: *[1]Background is not subtracted from the data*
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

Isotech Laboratories, Inc.
Radiation Branch Site No. 008

Isotech Laboratories, Inc. manufactures tracer material for the oil and gas industry, calibrates radiation detection instruments, and provides radiation safety training for well-logging and tracer services. The facility is located in Midland approximately six miles east of Midland-Odessa International Airport. The Radiation Branch Surveillance Program consists of OSL monitoring.



Shaded area indicates location of Midland County



Isotech Laboratories, Inc.
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed

Isotech Laboratories, Inc.

Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

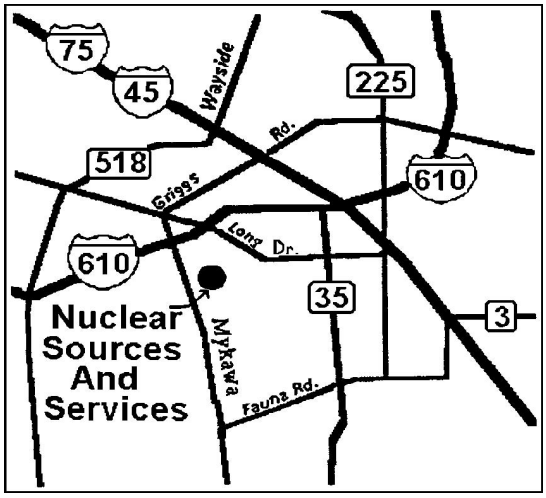
OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	28	37	0	40	105	Q3 OSL not found
2	37	49	49	45	180	
3	33	41	42	41	157	
4	38	46	46	48	178	
6	37	44	41	42	164	
***8**	28	39	37	40	144	

NOTE: *[1]Background is not subtracted from the data*
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

Nuclear Sources and Services, Inc.
Radiation Branch Site No. 023

The Nuclear Sources and Services, Inc. (NSSI) facility occupies approximately five acres in a light industrial area of Southeast Houston approximately four miles northwest of William P. Hobby Airport. The primary activities of NSSI currently are waste treatment, storage, and disposal of radioactive and chemical hazardous materials. NSSI receives wastes from a variety of off-site generators both inside and outside of Texas. At the conclusion of treatment or storage, the residues are shipped to permitted off-site facilities for disposal. The Radiation Branch Surveillance Program consists of soil sampling and OSL monitoring.

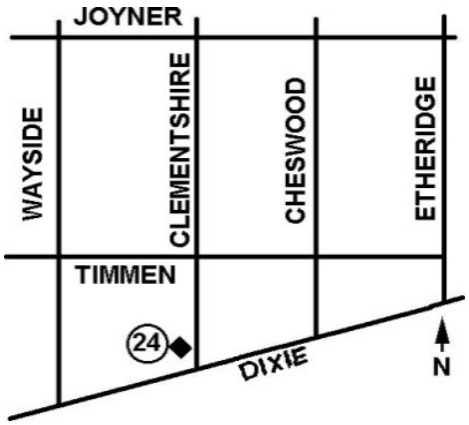
Shaded area indicates location of Harris County



Nuclear Sources and Services, Inc.
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed



Nuclear Sources and Services, Inc.

Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
3	114	296	80	134	624	
4	0	48	46	50	144	Q1 OSL not found
6	34	40	41	45	160	
7	40	47	45	48	180	
11	35	39	399	46	519	
12	0	52	58	62	172	Q1 OSL not found
16	0	77	45	52	174	Q1 OSL not found
18	44	87	44	56	231	
19	0	48	54	90	192	Q1 OSL not found
20	0	45	44	77	166	Q1 OSL not found
21	0	134	152	129	415	Q1 OSL not found
22	32	34	0	37	103	
23	0	36	35	39	110	Q1 OSL not found
***24**	31	33	30	33	127	
25	0	42	40	44	126	
41	63	0	72	136	271	

NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

Pantex
Radiation Branch Site No. 005

The Pantex plant site is located in Carson County in the Texas Panhandle, north of U.S. Highway 60. The plant is located 17 miles (27 kilometers) northeast of downtown Amarillo. It is centered on a 18,000-acre site. The Pantex facility consists of 11,703 acres of United States Department of Energy (USDOE) owned land and 5,800 acres of land leased from Texas Tech University used as a safety and security buffer zone. The buffer area is managed by Texas Tech Research Farm and is used as rangeland and farmland. An additional 1,080 acres northwest of the plant is called Pantex Lake. Pantex Lake was formally used as the receiving area for treated wastewater discharges and is now managed by Texas Tech University. An additional 7,926 acres to the east of the plant is USDOE-owned and is used for agricultural purposes through a cooperative agreement.

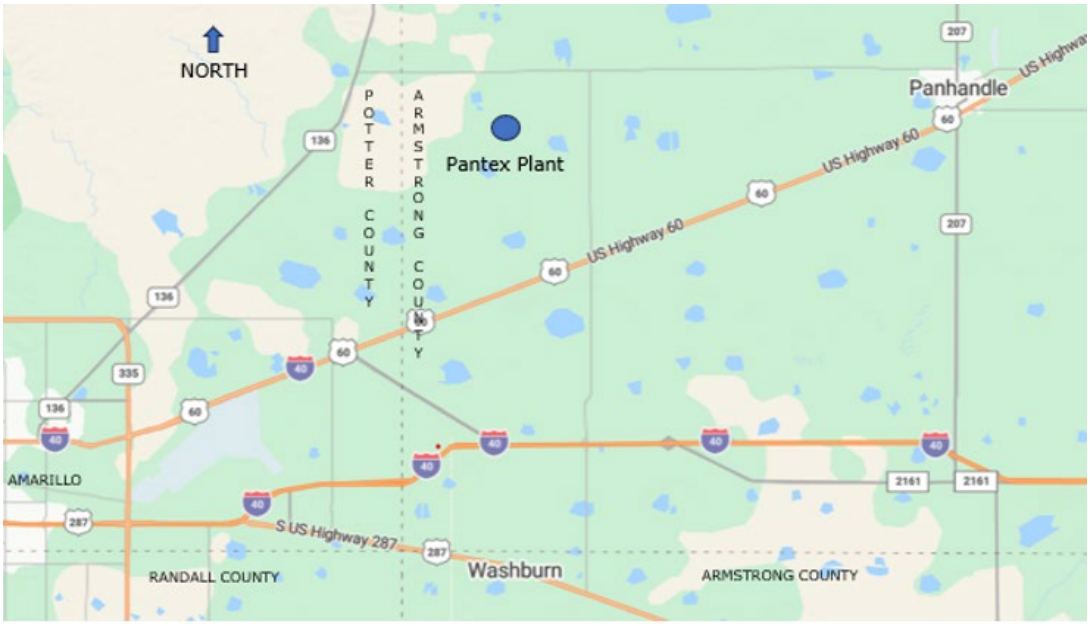
The Radiation Branch Surveillance Program consists of OSL monitoring and sampling air, food products, sediment, soil, vegetation, and water. Analysis of samples is performed to determine the presence of any special nuclear material.

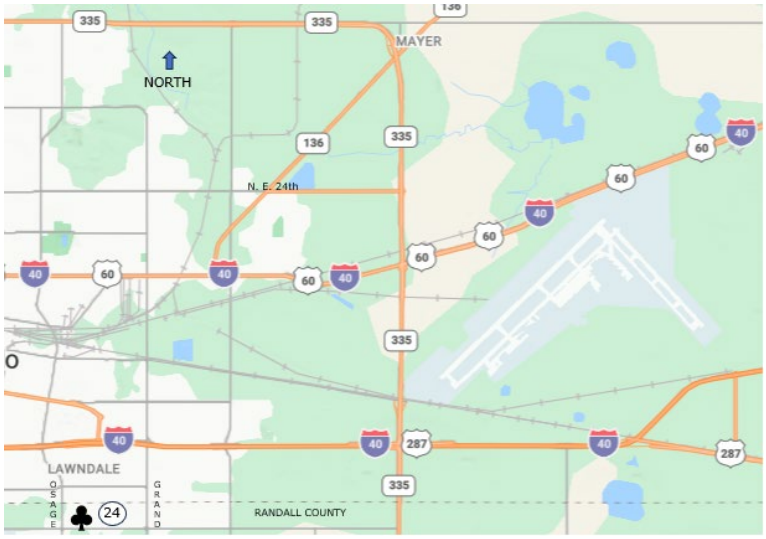
Carson County

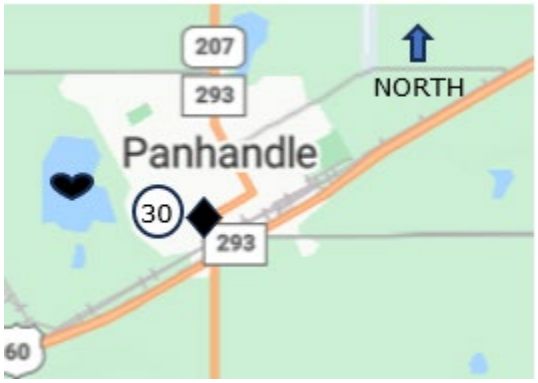
Shaded area indicates location of Carson County

Pantex
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station



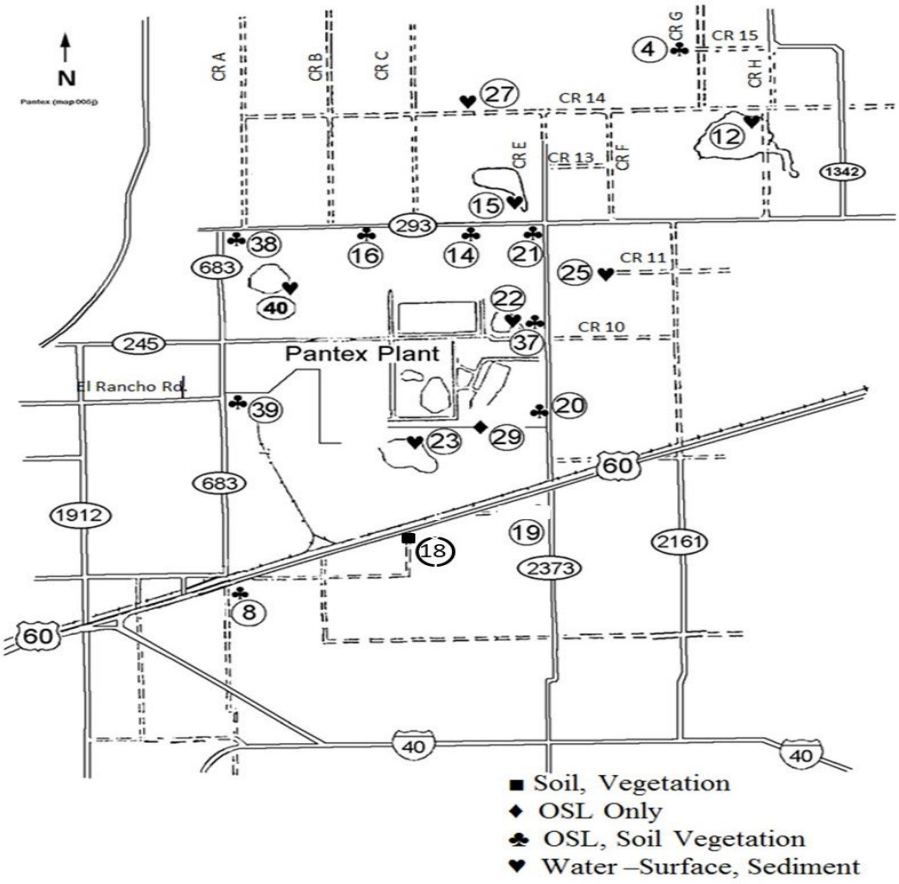




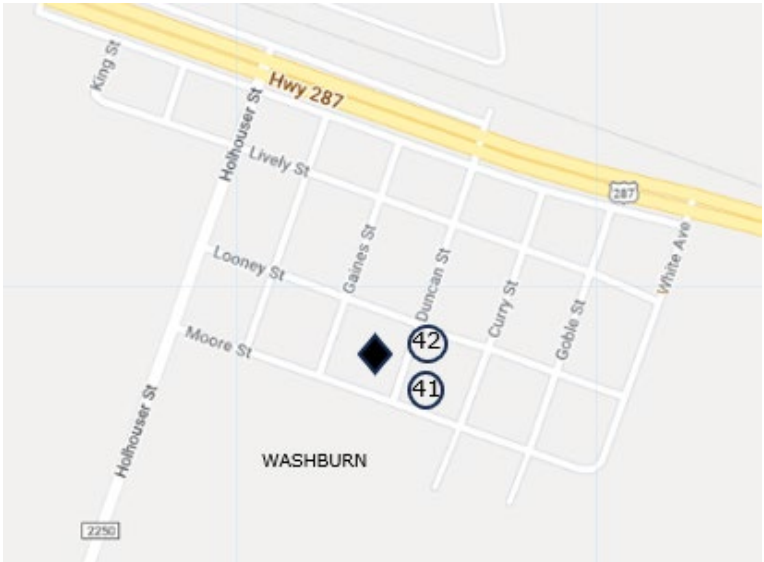
Pantex
Monitoring Station Locations

Homeland Security -Diagram Removed

Randall County



Armstrong County



Pantex
Environmental Sample Results

Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
4	37	43	40	47	167	
8	38	44	40	47	169	
14	41	46	41	47	175	
16	37	45	39	44	165	
19	39	45	44	48	176	
20	40	44	39	45	168	
21	38	42	37	43	160	
***24**	36	0	38	42	116	Q2 OSL not found
29	37	44	41	47	169	
37	42	46	42	48	178	
38	38	42	39	45	164	
39	41	44	39	41	165	
41	63	69	66	74	272	
42	34	39	35	40	148	

NOTE: *[1]Background is not subtracted from the data*
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

Date	Lab	Station	Analyte	Result	Units
Sediment Samples					
4/15/2024	015	AG81865	Ac-228	1.03e-6	µCi/g
			K-40	1.82e-5	µCi/g
			Pb-212	9.8e-7	µCi/g
			Pb-214	7.44e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.36e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	022	AG67396	Bi-214	6.53e-7	µCi/g
			K-40	1.36e-5	µCi/g
			Pb-212	1.07e-6	µCi/g
			Pb-214	6.47e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	2.63e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/9/2024	023	AH02654	Pb-212	1.45e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.96e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Sediment Samples					
7/10/2024	040	AG91442	H-3	<1.0e-6	µCi/mL
			K-40	1.66e-5	µCi/g
			Pb-212	1.77e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
Date	**Lab**	**Station**	**Analyte**	**Result**	**Units**
Soil Samples					
4/15/2024	004	AG81862	K-40	1.66e-5	µCi/g
			Pb-212	1.94e-6	µCi/g
			Pb-214	9.1e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.81e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	004	AH02644	Pb-212	1.28e-6	µCi/g
			Pb-214	9.9e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.75e-7	µCi/g
			Total Uranium Activity	2.00e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
4/15/2024	008	AG81863	K-40	1.65e-5	µCi/g
			Pb-212	9.4e-7	µCi/g
			Pb-214	8.0e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.62e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	008	AH02640	K-40	1.73e-5	µCi/g
			Pb-212	1.72e-6	µCi/g
			Pb-214	8.1e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.91e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	014	AG67395	K-40	1.70e-5	µCi/g
			Pb-212	1.27e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.29e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
7/10/2024	014	AG91438	Bi-212	1.26e-6	µCi/g
			Bi-214	9.32e-7	µCi/g
			Cs-137	2.66e-7	µCi/g
			K-40	1.82e-5	µCi/g
			Pb-212	1.65e-6	µCi/g
			Pb-214	8.66e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.61e-7	µCi/g
			Total Uranium Activity	2.03e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	016	AG81861	Bi-212	1.87e-6	µCi/g
			Cs-137	1.42e-7	µCi/g
			K-40	1.82e-5	µCi/g
			Pb-212	1.34e-6	µCi/g
			Pb-214	1.19e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	5.02e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	1.01e-6	µCi/g
10/10/2024	016	AH02642	Pb-212	1.22e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.57e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
1/3/2024	018	AG67393	K-40	1.52e-5	µCi/g
			Pb-212	9.3e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.84e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	018	AG91436	Ac-228	9.3e-7	µCi/g
			Be-7	4.2e-7	µCi/g
			Bi-212	8.1e-7	µCi/g
			Cs-137	1.12e-7	µCi/g
			K-40	1.74e-5	µCi/g
			Pb-212	8.7e-7	µCi/g
			Pb-214	7.77e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.27e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	019	AG81864	K-40	1.76e-5	µCi/g
			Pb-212	1.55e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.03e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
10/10/2024	019	AH02641	K-40	1.96e-5	µCi/g
			Pb-212	9.4e-7	µCi/g
			Pb-214	8.1e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.99e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	020	AG67394	K-40	1.61e-5	µCi/g
			Pb-212	1.55e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.30e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	020	AG91437	K-40	1.59e-5	µCi/g
			Pb-212	1.54e-6	µCi/g
			Pb-214	8.0e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.41e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	1.04e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
4/15/2024	021	AG81860	K-40	1.31e-5	µCi/g
			Pb-212	9.5e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	2.21e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	021	AH02639	K-40	1.38e-5	µCi/g
			Pb-212	7.6e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	2.54e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	037	AG67391	K-40	1.64e-5	µCi/g
			Pb-212	1.38e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.19e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
7/10/2024	037	AG91434	Bi-214	9.5e-7	µCi/g
			K-40	1.76e-5	µCi/g
			Pb-212	1.18e-6	µCi/g
			Pb-214	1.07e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.17e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	038	AG81859	Cs-137	1.58e-7	µCi/g
			K-40	1.95e-5	µCi/g
			Pb-212	1.60e-6	µCi/g
			Pb-214	9.10e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.75e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	038	AH02643	Pb-212	1.20e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	4.90e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	1.01e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Soil Samples					
1/3/2024	039	AG67392	K-40	1.28e-5	µCi/g
			Pb-212	8.8e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	039	AG91435	K-40	1.53e-5	µCi/g
			Pb-212	1.42e-6	µCi/g
			Pb-214	7.8e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	3.26e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
Date	**Lab**	**Station**	**Analyte**	**Result**	**Units**
Vegetation Samples					
4/15/2024	004	AG81868	Ac-228	4.56e-7	µCi/g
			Be-7	8.83e-6	µCi/g
			Bi-212	8.6e-7	µCi/g
			Bi-214	2.95e-7	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	1.60e-5	µCi/g
			Pb-212	3.15e-7	µCi/g
			Pb-214	3.56e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	1.39e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
10/10/2024	004	AH02649	Be-7	1.60e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	008	AG81870	Be-7	4.75e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	1.160e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	008	AH02645	Be-7	3.90e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	2.95e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
1/3/2024	014	AG67386	Be-7	9.38e-6	µCi/g
			K-40	4.64e-6	µCi/g
			Pb-212	6.3e-8	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	014	AG91433	Be-7	5.09e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	3.80e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	016	AG81866	Ac-228	8.64e-7	µCi/g
			Be-7	2.40e-6	µCi/g
			Bi-212	9.0e-7	µCi/g
			Bi-214	5.32e-7	µCi/g
			Cs-137	5.5e-8	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	2.48e-5	µCi/g
			Pb-212	9.07e-7	µCi/g
			Pb-214	6.14e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	2.87e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
10/10/2024	016	AH02646	Be-7	1.03e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	2.15e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	018	AG67390	Be-7	1.35e-5	µCi/g
			K-40	2.56e-6	µCi/g
			Pb-212	1.32e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	018	AG91431	Be-7	4.50e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	1.94e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
4/15/2024	019	AG81871	Be-7	3.82e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	6.53e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	019	AH02648	Be-7	1.17e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	2.39e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/24/2024	020	AG67387	Be-7	1.18e-5	µCi/g
			K-40	4.81e-6	µCi/g
			Pb-212	2.57e-7	µCi/g
			Pb-214	1.46e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	5.8e-8	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
7/10/2024	020	AG91430	Be-7	4.95e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	4.70e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	021	AG81869	Be-7	1.80e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	1.037e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
10/10/2024	021	AH02647	Be-7	4.0e-7	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	2.27e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
1/3/2024	037	AG67388	Be-7	1.46e-5	µCi/g
			Bi-214	1.29e-7	µCi/g
			K-40	5.11e-6	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	037	AG91432	Be-7	4.22e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	3.20e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
4/15/2024	038	AG81867	Ac-228	5.42e-7	µCi/g
			Be-7	1.02e-6	µCi/g
			Bi-212	5.9e-7	µCi/g
			Bi-214	3.99e-7	µCi/g
			Cs-137	2.49e-8	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	1.92e-5	µCi/g
			Pb-212	6.17e-7	µCi/g
			Pb-214	4.31e-7	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Tl-208	1.96e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Vegetation Samples					
10/10/2024	038	AH02650	Be-7	1.68e-6	µCi/g
			K-40	1.374e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
1/3/2024	039	AG67389	Be-7	1.061e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g
7/10/2024	039	AG91429	Be-7	4.45e-6	µCi/g
			H-3	<1.0e-6	µCi/mL
			K-40	3.16e-5	µCi/g
			Plutonium-239	<4.0e-7	µCi/g
			Total Uranium Activity	<2.0e-6	µCi/g
			Uranium-234	<1.0e-6	µCi/g
			Uranium-235	<1.0e-6	µCi/g
			Uranium-238	<1.0e-6	µCi/g

Water-Surface Samples					
4/15/2024	015	AG81873	Bi-214	3.43e-8	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Pb-214	3.34e-8	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	1.31e-8	µCi/mL
			Uranium-234	7.3e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	5.4e-9	µCi/mL
1/3/2024	022	AG67400	H-3	<1.0e-6	µCi/mL
			K-40	6.1e-8	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Tl-208	9e-9	µCi/mL
			Total Uranium Activity	<2.0e-9	µCi/mL
			Uranium-234	<1.0e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	<1.0e-9	µCi/mL
1/2/2024	024	AG67399	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	5.5e-9	µCi/mL
			Uranium-234	3.62e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.68e-9	µCi/mL
4/12/2024	024	AG81875	H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Tl-208	7.1e-8	µCi/mL
			Total Uranium Activity	5.4e-9	µCi/mL
			Uranium-234	3.37e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.89e-9	µCi/mL

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Surface Samples					
7/10/2024	024	AG91440	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	5.5e-9	µCi/mL
			Uranium-234	3.71e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.83e-9	µCi/mL
10/9/2024	024	AH02651	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	5.0e-9	µCi/mL
			Uranium-234	2.90e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.96e-9	µCi/mL
Date	**Lab**	**Station**	**Analyte**	**Result**	**Units**
Water-Ground Samples					
1/2/2024	027	AG67398	Bi-214	1.98e-8	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Pb-214	2.02e-8	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Tl-208	4.3e-8	µCi/mL
			Total Uranium Activity	4.2e-9	µCi/mL
			Uranium-234	2.93e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.16e-9	µCi/mL

Pantex
Environmental Sample Results

Date	Lab	Station	Analyte	Result	Units
Water-Ground Samples					
4/12/2024	027	AG81874	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	4.3e-9	µCi/mL
			Uranium-234	2.97e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.28e-9	µCi/mL
7/10/2024	027	AG91441	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	4.5e-9	µCi/mL
			Uranium-234	2.80e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.63e-9	µCi/mL
10/10/2024	027	AH02652	Bi-214	6.5e-9	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	5.9e-9	µCi/mL
			Uranium-234	3.85e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.98e-9	µCi/mL
1/3/2024	030	AG67397	Bi-214	2.46e-8	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Pb-214	2.01e-8	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	7.0e-9	µCi/mL
			Uranium-234	4.76e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.93e-9	µCi/mL

Pantex
Environmental Sample Results

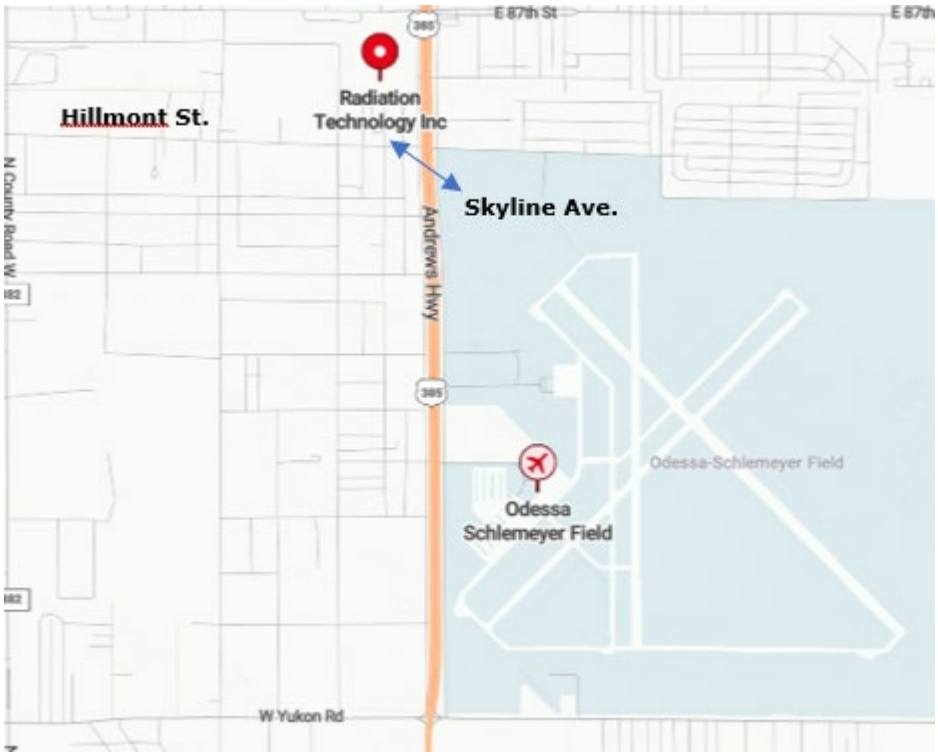
Date	Lab	Station	Analyte	Result	Units
Water-Ground Samples					
4/15/2024	030	AG81872	Bi-214	7.4e-9	µCi/mL
			H-3	<1.0e-6	µCi/mL
			K-40	1.18e-7	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	6.3e-9	µCi/mL
			Uranium-234	4.48e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	1.68e-9	µCi/mL
7/10/2024	030	AG91439	Gamma	Not detected	µCi/mL
			H-3	<1.0e-6	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	7.0e-9	µCi/mL
			Uranium-234	4.68e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	2.30e-9	µCi/mL
10/10/2024	030	AH02653	H-3	<1.0e-6	µCi/mL
			Pb-214	7.7e-9	µCi/mL
			Plutonium-239	<4.0e-10	µCi/mL
			Total Uranium Activity	5.5e-9	µCi/mL
			Uranium-234	3.36e-9	µCi/mL
			Uranium-235	<1.0e-9	µCi/mL
			Uranium-238	2.10e-9	µCi/mL

*NOTE: * indicates the analysis was by alpha spectrometry, or Ra-226, analysis by radon emanation.*
***Indicates the tritium (H-3) analysis for food product, sediment, and vegetation is reported in UCi/ml*

Radiation Technology, Inc.
Radiation Branch Site No. 050

Radiation Technology, Inc. (RTI), located six miles north of downtown Odessa, provides installation, repair, and maintenance of nuclear gauging devices and services for loading and unloading radioactive sources in nuclear gauges. The Radiation Branch Surveillance Program consists of OSL monitoring.

Shaded area indicates location of Ector County



Radiation Technology, Inc.
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed

Radiation Technology, Inc.

Optically Stimulated Luminescence (OSL) Monitoring Results
(quarterly and annual readings are in mrem)

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	35	42	35	38	150	
2	36	41	37	71	185	
3	33	40	38	39	150	
4	31	37	0	37	105	QTR 3 OSL not found
8	32	38	35	37	142	

NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public.

Trace Life Sciences
Radiation Branch Site No. 055 & 056

U.S. Radiopharmaceuticals, formerly Trace Life Sciences, has two sites located in Denton Texas, which consists of a medical radioisotope production facility which also stores contaminated accelerator parts. The Radiation Branch surveillance program consists of OSL monitoring.

Shaded area indicates location of Denton County

Trace Life Sciences
Monitoring Station Locations

♦ TLD Station ♥ Sample Station ♣ TLD & Sample Station

Homeland Security -Diagram Removed

Trace Life Sciences

Optically Stimulated Luminescence (OSL) Monitoring Results
and Environmental Sampling Results
(quarterly and annual readings are in mrem)

Site 055

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	27	31	28	34	120	
2	29	30	30	34	123	
3	28	30	30	32	120	
4	28	31	30	35	124	
6	30	33	32	37	132	

Site 056

OSL Stations	Q1	Q2	Q3	Q4	Annual Dose	Notes
1	32	32	31	35	130	
2	31	34	33	37	135	
3	27	30	29	33	119	

NOTE: [1]Background is not subtracted from the data
[2]An occupancy factor of 1/16 may be applied to this number to obtain radiation dose to members of the public

Appendices

MAPEP Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP Series 50
MAPEP-24-GrF50: Gross alpha/beta air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Gross alpha	1.484	1.24	A		19.7	0.37 - 2.11	0.034	A	Bq/sample
Gross beta	1.744	1.81	A		-3.6	0.91 - 2.72	0.028	N	Bq/sample

Laboratory Results For MAPEP Series 50
MAPEP-24-GrW50: Gross alpha/beta water
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Gross alpha	0.984	1.01	A		-2.6	0.30 - 1.72	0.068	A	Bq/L
Gross beta	4.97	5.57	A		-10.8	2.79 - 8.36	0.12	A	Bq/L

Laboratory Results For MAPEP Series 50
MAPEP-24-MaS50: Radiological and Inorganic combined soil standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Antimony	NR	8.4				5.9 - 10.9			mg/kg
Arsenic	NR	24.5				17.2 - 31.9			mg/kg
Barium	NR	197				138 - 256			mg/kg
Beryllium	NR	23.0				16.1 - 29.9			mg/kg
Cadmium	NR	4.74				3.32 - 6.16			mg/kg
Chromium	NR	11.7				8.2 - 15.2			mg/kg
Cobalt	NR	29.1				20.4 - 37.8			mg/kg
Copper	NR	46.3				32.4 - 60.2			mg/kg
Lead	NR	23.6				16.5 - 30.7			mg/kg
Mercury	NR	0.257				0.180 - 0.334			mg/kg
Nickel	NR	33.3				23.3 - 43.3			mg/kg
Selenium	NR	8.26				5.78 - 10.74			mg/kg
Silver	NR	5.42				3.79 - 7.05			mg/kg
Technetium-99	NR	5.32E-04				3.72E-4 - 6.92E-4			mg/kg
Thallium	NR	2.85				2.00 - 3.71			mg/kg
Uranium-235	NR	0.0317				0.0222 - 0.0412			mg/kg
Uranium-238	NR	8.8				6.2 - 11.4			mg/kg
Uranium-Total	NR	8.9				6.2 - 11.6			mg/kg
Vanadium	NR	55.0				38.5 - 71.5			mg/kg
Zinc	NR	70				49 - 91			mg/kg

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	NR		N	(11)		False Positive Test			Bq/kg
Cesium-134	368.3	404	A		-8.8	283 - 525	9.9	A	Bq/kg
Cesium-137	1498	1550	A		-3.4	1085 - 2015	62	A	Bq/kg
Cobalt-57	392	401	A		-2.2	281 - 521	14	A	Bq/kg
Cobalt-60	621	660	A		-5.9	462 - 858	14	A	Bq/kg
Iron-55	NR	650				455 - 845			Bq/kg
Manganese-54	317	332	A		-4.5	232 - 432	13	A	Bq/kg
Nickel-63	NR	1530				1071 - 1989			Bq/kg
Plutonium-238	NR	34.7	N	(28)		24.3 - 45.1			Bq/kg
Plutonium-239/240	NR	0.37	N	(18)		Sensitivity Evaluation			Bq/kg

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Potassium-40	502	485	A		3.5	340 - 631	36	A	Bq/kg
Strontium-90	404	440	A		-8.2	308 - 572	14	A	Bq/kg
Technetium-99	NR	336				235 - 437			Bq/kg
Thorium-228	NR	48.8				34.2 - 63.4			Bq/kg
Thorium-230	NR	54				38 - 70			Bq/kg
Thorium-232	NR	45.1				31.6 - 58.6			Bq/kg
Uranium-234	31.5	40.7	W		-22.6	28.5 - 52.9	3.6	A	Bq/kg
Uranium-238	92.9	110	A		-15.5	77 - 143	8.0	A	Bq/kg
Zinc-65	688	703	A		-2.1	492 - 914	26	A	Bq/kg

Laboratory Results For MAPEP Series 50
MAPEP-24-MaW50: Radiological and Inorganic combined water standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Antimony	NR	5.71				4.00 - 7.42			mg/L
Arsenic	NR	2.73				1.91 - 3.55			mg/L
Barium	NR	0.0561				0.0393 - 0.0729			mg/L
Beryllium	NR	2.87				2.01 - 3.73			mg/L
Cadmium	NR	0.854				0.598 - 1.110			mg/L
Chromium	NR	1.09				0.76 - 1.42			mg/L
Cobalt	NR	8.99				6.29 - 11.69			mg/L
Copper	NR	7.47				5.23 - 9.71			mg/L
Lead	NR	1.25				0.88 - 1.63			mg/L
Mercury	NR					False Positive Test			mg/L
Nickel	NR					False Positive Test			mg/L
Selenium	NR	0.247				0.173 - 0.321			mg/L
Technetium-99	NR	1.18E-05				8.30E-6 - 1.53E-5			mg/L
Thallium	NR	3.38				2.37 - 4.39			mg/L
Uranium-235	NR	6.04E-04				4.23E-4 - 7.85E-4			mg/L
Uranium-238	NR	0.0827				0.0579 - 0.1075			mg/L
Uranium-Total	NR	0.0833				0.0583 - 0.1083			mg/L
Vanadium	NR	5.76				4.03 - 7.49			mg/L
Zinc	NR	7.40				5.18 - 9.62			mg/L

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	0.026		A			False Positive Test	0.013		Bq/L
Cesium-134	-0.06		A			False Positive Test	0.22		Bq/L
Cesium-137	10.52	9.7	A		8.5	6.8 - 12.6	0.36	A	Bq/L
Cobalt-57	25.54	25.4	A		0.6	17.8 - 33.0	0.55	A	Bq/L
Cobalt-60	10.35	10.27	A		0.8	7.19 - 13.35	0.23	A	Bq/L
Hydrogen-3	634	637	A		-0.5	446 - 828	17	A	Bq/L
Iron-55	NR	19.7				13.8 - 25.6			Bq/L
Manganese-54	7.43	7.36	A		1.0	5.15 - 9.57	0.24	A	Bq/L
Nickel-63	NR	0.8				Sensitivity Evaluation			Bq/L
Plutonium-238	0.634	0.745	A		-14.9	0.522 - 0.969	0.040	A	Bq/L
Plutonium-239/240	0.631	0.769	A		-17.9	0.538 - 1.000	0.040	A	Bq/L
Potassium-40	-0.21		A			False Positive Test	0.61		Bq/L
Radium-226	0.278	0.310	A		-10.3	0.217 - 0.403	0.016	A	Bq/L
Strontium-90	3.50	3.68	A		-4.9	2.58 - 4.78	0.14	A	Bq/L
Technetium-99	NR	7.47				5.23 - 9.71			Bq/L
Uranium-234	0.763	0.990	W		-22.9	0.693 - 1.287	0.071	A	Bq/L
Uranium-238	0.922	1.028	A		-10.3	0.720 - 1.336	0.083	A	Bq/L
Zinc-65	0.45		A			False Positive Test	0.23		Bq/L

Laboratory Results For MAPEP Series 50
MAPEP-24-RdF50: Radiological air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Uranium-235	NR	0.0743				0.0520 - 0.0966			ug/sample
Uranium-238	NR	10.4				7.3 - 13.5			ug/sample
Uranium-Total	NR	10.5				7.4 - 13.7			ug/sample

Radiological

Printed 06/10/2025

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag		Units
Americium-241	0.0749	0.0897	A		-16.5	0.0628 - 0.1166	0.0088	A	Bq/sample	
Cesium-134	-0.011		A			False Positive Test	0.072		Bq/sample	
Cesium-137	1.466	1.48	A		-0.9	1.04 - 1.92	0.055	A	Bq/sample	
Cobalt-57	0.711	0.819	A		-13.2	0.573 - 1.065	0.026	A	Bq/sample	
Cobalt-60	1.536	1.64	A		-6.3	1.15 - 2.13	0.041	A	Bq/sample	
Manganese-54	0.572	0.555	A		3.1	0.389 - 0.722	0.031	A	Bq/sample	
Plutonium-238	0.116	0.114	A		1.8	0.080 - 0.148	0.013	A	Bq/sample	
Plutonium-239/240	0.092	0.0936	A		-1.7	0.0655 - 0.1217	0.011	A	Bq/sample	
Strontium-90	1.481	1.56	A		-5.1	1.09 - 2.03	0.036	A	Bq/sample	
Uranium-234	0.0912	0.125	W		-27.0	0.088 - 0.163	0.0094	A	Bq/sample	
Uranium-238	0.135	0.130	A		3.8	0.091 - 0.169	0.013	A	Bq/sample	
Zinc-65	0.289	0.332	A			Sensitivity Evaluation	0.048		Bq/sample	

Laboratory Results For MAPEP Series 50
MAPEP-24-RdV50: Radiological vegetation
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag		Units
Uranium-235	NR	0.0383				0.0268 - 0.0498			ug/sample	
Uranium-238	NR	5.6				3.9 - 7.3			ug/sample	
Uranium-Total	NR	5.6				3.9 - 7.3			ug/sample	

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag		Units
Americium-241	0.0020		A			False Positive Test	0.0013		Bq/sample	
Cesium-134	4.20	3.67	A		14.4	2.57 - 4.77	0.11	A	Bq/sample	
Cesium-137	2.91	2.57	A		13.2	1.80 - 3.34	0.14	A	Bq/sample	
Cobalt-57	3.23	2.53	W		27.7	1.77 - 3.29	0.11	A	Bq/sample	
Cobalt-60	3.314	2.96	A		12.0	2.07 - 3.85	0.099	A	Bq/sample	
Manganese-54	-0.077		A			False Positive Test	0.099		Bq/sample	
Plutonium-238	0.0316	0.0413	W		-23.5	0.0289 - 0.0537	0.0044	A	Bq/sample	
Plutonium-239/240	0.0424	0.0431	A		-1.6	0.0302 - 0.0560	0.0051	A	Bq/sample	
Strontium-90	0.457	0.529	A		-13.6	0.370 - 0.688	0.027	A	Bq/sample	
Uranium-234	0.176	0.129	N		36.4	0.090 - 0.168	0.020	A	Bq/sample	
Uranium-238	0.143	0.135	A		5.9	0.095 - 0.176	0.018	A	Bq/sample	
Zinc-65	8.86	8.02	A		10.5	5.61 - 10.43	0.37	A	Bq/sample	

Notes:

(11) = False Positive Test, Result Not Reported
(18) = Sensitivity Evaluation, Value Not Reported
(28) = Not Reporting Previously Reported Analyte

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MAPEP Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP Series 51
MAPEP-24-GrF51: Gross alpha/beta air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological — Units: (Bq/sample)

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.404	1.20	A		17.0	0.36 - 2.04	0.033	A
Gross beta	0.669	0.644	A		3.9	0.322 - 0.966	0.018	A

Laboratory Results For MAPEP Series 51
MAPEP-24-GrW51: Gross alpha/beta water
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological — Units: (Bq/L)

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Gross alpha	1.363	1.29	A		5.7	0.39 - 2.19	0.084	A
Gross beta	4.95	5.09	A		-2.8	2.55 - 7.64	0.14	A

Laboratory Results For MAPEP Series 51
MAPEP-24-MaS51: Radiological and Inorganic combined soil standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic — Units: (mg/kg)

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR	6.47				4.53 - 8.41		
Arsenic	NR	26.5				18.6 - 34.5		
Barium	NR	218				153 - 283		
Beryllium	NR	12.9				9.0 - 16.8		
Cadmium	NR	3.14				2.20 - 4.08		
Chromium	NR	45.6				31.9 - 59.3		
Cobalt	NR	27.3				19.1 - 35.5		
Copper	NR	50.7				35.5 - 65.9		
Lead	NR	22.0				15.4 - 28.6		
Mercury	NR	0.182				0.127 - 0.237		
Nickel	NR	42.8				30.0 - 55.6		
Selenium	NR	5.65				3.96 - 7.35		
Silver	NR	3.37				2.36 - 4.38		
Technetium-99	NR	2.73E-04				1.91E-4 - 3.55E-4		
Thallium	NR	2.02				1.41 - 2.63		
Uranium-235	NR	0.0407				0.0285 - 0.0529		
Uranium-238	NR	13.2				9.2 - 17.2		
Uranium-Total	NR	13.3				9.3 - 17.3		
Vanadium	NR	44.7				31.3 - 58.1		
Zinc	NR	110				77 - 143		

Radiological — Units: (Bq/kg)

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	NR	0.26				Sensitivity Evaluation		
Cesium-134	402.6	417	A		-3.5	292 - 542	7.2	N
Cesium-137	1650	1650	A		0.0	1155 - 2145	47	A
Cobalt-57	330.5	330	A		0.2	231 - 429	8.0	A
Cobalt-60	681	700	A		-2.7	490 - 910	13	N
Iron-55	NR	780				546 - 1014		
Manganese-54	117.0	113	A		3.5	79 - 147	5.0	A
Nickel-63	NR	1450				1015 - 1885		
Plutonium-238	NR	17.8				12.5 - 23.1		
Plutonium-239/240	NR	50.0				35.0 - 65.0		

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Potassium-40	505	525	A		-3.8	368 - 683	30	A
Strontium-90	463	487	A		-4.9	341 - 633	18	A
Technetium-99	NR	171				120 - 222		
Thorium-228	NR	43.3				30.3 - 56.3		
Thorium-230	NR	44.0				30.8 - 57.2		
Thorium-232	NR	42.6				29.8 - 55.4		
Uranium-234	NR	50.0	N	(28)		35.0 - 65.0		
Uranium-238	NR	165	N	(28)		116 - 215		
Zinc-65	429	415	A		3.4	291 - 540	15	A

Laboratory Results For MAPEP Series 51
MAPEP-24-MaW51: Radiological and inorganic combined water standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic — **Units: (mg/L)**

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Antimony	NR					False Positive Test		
Arsenic	NR	2.13				1.49 - 2.77		
Barium	NR	2.82				1.97 - 3.67		
Beryllium	NR	4.91				3.44 - 6.38		
Cadmium	NR					False Positive Test		
Chromium	NR					False Positive Test		
Cobalt	NR	10.2				7.1 - 13.3		
Copper	NR	2.50				1.75 - 3.25		
Lead	NR	1.54E-04				Sensitivity Evaluation		
Mercury	NR	0.087				0.061 - 0.113		
Nickel	NR	6.19				4.33 - 8.05		
Selenium	NR	0.624				0.437 - 0.811		
Technetium-99	NR	1.79E-05				1.25E-5 - 2.33E-5		
Thallium	NR	2.290				1.603 - 2.977		
Uranium-235	NR	2.18E-04				1.53E-4 - 2.83E-4		
Uranium-238	NR	0.0310				0.0217 - 0.0403		
Uranium-Total	NR	0.0312				0.0218 - 0.0406		
Vanadium	NR					False Positive Test		
Zinc	NR	2.28				1.60 - 2.96		

Radiological — **Units: (Bq/L)**

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.331	0.363	A		-8.8	0.254 - 0.472	0.036	A
Cesium-134	20.39	22.3	A		-8.6	15.6 - 29.0	0.35	N
Cesium-137	0.34		A			False Positive Test	0.12	
Cobalt-57	26.7	26.4	A		1.1	18.5 - 34.3	0.55	A
Cobalt-60	15.00	15.0	A		0.0	10.5 - 19.5	0.29	N
Hydrogen-3	397	374	A		6.2	262 - 486	15	A
Iron-55	NR	48.1				33.7 - 62.5		
Iron-59	NR	57.5				40.3 - 74.8		
Manganese-54	0.18		A			False Positive Test	0.13	
Nickel-63	NR					False Positive Test		
Plutonium-238	0.400	0.439	A		-8.9	0.307 - 0.571	0.048	A
Plutonium-239/240	0.444	0.437	A		1.6	0.306 - 0.568	0.052	A
Potassium-40	-0.50		A			False Positive Test	0.70	
Radium-226	0.341	0.360	A		-5.3	0.252 - 0.468	0.018	A
Strontium-90	10.19	11.2	A		-9.0	7.8 - 14.6	0.22	A
Technetium-99	NR	11.2				7.8 - 14.6		
Uranium-234	0.440	0.380	A		15.8	0.266 - 0.494	0.047	A
Uranium-238	0.411	0.385	A		6.8	0.270 - 0.501	0.045	A
Zinc-65	24.32	22.8	A		6.7	16.0 - 29.6	0.68	A

Laboratory Results For MAPEP Series 51
MAPEP-24-RdF51: Radiological air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic — **Units: (ug/sample)**

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Uranium-235	NR	0.056				0.039 - 0.073		
Uranium-238	NR	7.8				5.5 - 10.1		
Uranium-Total	NR	7.8				5.5 - 10.1		

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Radiological								Units: (Bq/sample)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.0182	0.0211	A		-13.7	0.0148 - 0.0274	0.0039	W
Cesium-134	0.256	0.334	W		-23.4	0.234 - 0.434	0.013	A
Cesium-137	0.251	0.269	A		-6.7	0.188 - 0.350	0.020	A
Cobalt-57	0.001		A			False Positive Test	0.029	
Cobalt-60	0.315	0.361	A		-12.7	0.253 - 0.469	0.017	A
Manganese-54	-0.007		A			False Positive Test	0.023	
Plutonium-238	0.0121	0.0157	W		-22.9	0.0110 - 0.0204	0.0031	W
Plutonium-239/240	0.0171	0.0215	W		-20.5	0.0151 - 0.0280	0.0038	W
Strontium-90	0.737	0.91	A		-19.0	0.64 - 1.18	0.025	A
Uranium-234	0.0862	0.093	A		-7.3	0.065 - 0.121	0.0096	A
Uranium-238	0.101	0.096	A		5.2	0.067 - 0.125	0.011	A
Zinc-65	-0.195		N	(29)		False Positive Test	0.062	

Laboratory Results For MAPEP Series 51
MAPEP-24-RdV51: Radiological vegetation
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic								Units: (ug/sample)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Uranium-235	NR	0.040				0.028 - 0.052		
Uranium-238	NR	5.51				3.86 - 7.16		
Uranium-Total	NR	5.51				3.86 - 7.16		

Radiological								Units: (Bq/sample)
Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag
Americium-241	0.094	0.087	A		8.0	0.061 - 0.113	0.015	W
Cesium-134	3.036	2.89	A		5.1	2.02 - 3.76	0.087	A
Cesium-137	2.13	1.91	A		11.5	1.34 - 2.48	0.11	A
Cobalt-57	-0.04		A			False Positive Test	0.11	
Cobalt-60	2.050	2.01	A		2.0	1.41 - 2.61	0.072	A
Manganese-54	3.87	3.53	A		9.6	2.47 - 4.59	0.14	A
Plutonium-238	0.03034	0.0368	A		-17.6	0.0258 - 0.0478	0.00048	N
Plutonium-239/240	0.0349	0.0356	A		-2.0	0.0249 - 0.0463	0.0052	A
Strontium-90	2.089	2.39	A		-12.6	1.67 - 3.11	0.041	N
Uranium-234	0.0507	0.0660	W		-23.2	0.0462 - 0.0858	0.0094	W
Uranium-238	0.068	0.0685	A		-0.7	0.0480 - 0.0891	0.011	W
Zinc-65	9.08	9.13	A		-0.5	6.39 - 11.87	0.34	A

Notes:

(28) = Not Reporting Previously Reported Analyte

(29) = Statistically significant negative value at 3 standard deviations

Printed 03/14/2025

MAPEP Mixed Analyte Performance Evaluation Program

Department of Energy RESL - 1955 Fremont Ave, MS4149 - Idaho Falls, ID 83415

Laboratory Results For MAPEP Series 52
MAPEP-25-GrF52: Gross alpha/beta air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Gross alpha	0.197	0.255	A		-22.7	0.077 - 0.434	0.012	A	Bq/sample
Gross beta	0.811	0.894	A		-9.3	0.447 - 1.341	0.019	A	Bq/sample

Laboratory Results For MAPEP Series 52
MAPEP-25-GrW52: Gross alpha/beta water
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Gross alpha	0.410	0.411	A		-0.2	0.123 - 0.699	0.046	A	Bq/L
Gross beta	2.829	3.03	A		-6.6	1.52 - 4.55	0.048	N	Bq/L

Laboratory Results For MAPEP Series 52
MAPEP-25-MaS52: Radiological and Inorganic combined soil standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Antimony	NR	4.05				2.84 - 5.27			mg/kg
Arsenic	NR	7.3				5.1 - 9.5			mg/kg
Barium	NR	126				88 - 164			mg/kg
Beryllium	NR	2.17				1.52 - 2.82			mg/kg
Cadmium	NR	0.696				0.487 - 0.905			mg/kg
Chromium	NR	11.7				8.2 - 15.2			mg/kg
Cobalt	NR	5.60				3.92 - 7.28			mg/kg
Copper	NR	14.1				9.9 - 18.3			mg/kg
Lead	NR	10.5				7.4 - 13.7			mg/kg
Mercury	NR	0.0623				0.0436 - 0.0810			mg/kg
Nickel	NR	11.6				8.1 - 15.1			mg/kg
Selenium	NR	1.52				1.06 - 1.98			mg/kg
Silver	NR	2.37				1.66 - 3.08			mg/kg
Technetium-99	NR	0.00116				0.00081 - 0.00151			mg/kg
Thallium	NR	1.10				0.77 - 1.43			mg/kg
Uranium-235	NR	0.0255				0.0179 - 0.0332			mg/kg
Uranium-238	NR	5.57				3.90 - 7.24			mg/kg
Uranium-Total	NR	5.59				3.91 - 7.27			mg/kg
Vanadium	NR	34.8				24.4 - 45.2			mg/kg
Zinc	NR	48.3				33.8 - 62.8			mg/kg

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	NR	39.8				27.9 - 51.7			Bq/kg
Cesium-134	521	519	A		0.4	363 - 675	10	N	Bq/kg
Cesium-137	454	442	A		2.7	309 - 575	15	A	Bq/kg
Cobalt-57	1008	1000	A		0.8	700 - 1300	20	N	Bq/kg
Cobalt-60	622	626	A		-0.6	438 - 814	12	N	Bq/kg
Iron-55	NR	1090				763 - 1417			Bq/kg
Manganese-54	1101	1080	A		1.9	756 - 1404	28	A	Bq/kg
Nickel-63	NR	1560				1092 - 2028			Bq/kg
Plutonium-238	NR	33.3				23.3 - 43.3			Bq/kg
Plutonium-239/240	NR	40.1				28.1 - 52.1			Bq/kg

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Potassium-40	522	511	A		2.2	358 - 664	30	A	Bq/kg
Strontium-90	NR	727	N	(28)		509 - 945			Bq/kg
Technetium-99	NR	725				508 - 943			Bq/kg
Thorium-228	NR	44.4				31.1 - 57.7			Bq/kg
Thorium-230	NR	47.0				32.9 - 61.1			Bq/kg
Thorium-232	NR	41.4				29.0 - 53.8			Bq/kg
Uranium-234	NR	35.9				25.1 - 46.7			Bq/kg
Uranium-238	NR	69				48 - 90			Bq/kg
Zinc-65	850	776	A		9.5	543 - 1009	25	A	Bq/kg

Laboratory Results For MAPEP Series 52
MAPEP-25-MaW52: Radiological and Inorganic combined water standard
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Antimony	NR	0.383				0.268 - 0.498			mg/L
Arsenic	NR	0.228				0.160 - 0.296			mg/L
Barium	NR	0.0604				0.0423 - 0.0785			mg/L
Beryllium	NR	0.449				0.314 - 0.584			mg/L
Cadmium	NR	0.301				0.211 - 0.391			mg/L
Chromium	NR	0.324				0.227 - 0.421			mg/L
Cobalt	NR	0.319				0.223 - 0.415			mg/L
Copper	NR	0.510				0.357 - 0.663			mg/L
Lead	NR	0.192				0.134 - 0.250			mg/L
Mercury	NR	0.0636				0.0445 - 0.0827			mg/L
Nickel	NR	0.193				0.135 - 0.251			mg/L
Selenium	NR	0.390				0.273 - 0.507			mg/L
Technetium-99	NR	1.01E-05				7.10E-6 - 1.31E-5			mg/L
Thallium	NR	0.254				0.178 - 0.330			mg/L
Uranium-235	NR	3.17E-04				2.22E-4 - 4.12E-4			mg/L
Uranium-238	NR	0.0441				0.0309 - 0.0573			mg/L
Uranium-Total	NR	0.0444				0.0311 - 0.0577			mg/L
Vanadium	NR	0.445				0.312 - 0.579			mg/L
Zinc	NR	0.592				0.414 - 0.770			mg/L

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	0.491	0.559	A		-12.2	0.391 - 0.727	0.025	A	Bq/L
Cesium-134	-0.27		A			False Positive Test	0.36		Bq/L
Cesium-137	7.02	6.9	A		1.7	4.8 - 9.0	0.26	A	Bq/L
Cobalt-57	30.53	30.9	A		-1.2	21.6 - 40.2	0.61	N	Bq/L
Cobalt-58	NR	37.7				26.4 - 49.0			Bq/L
Cobalt-60	0.37	0.29	A	(17)		Sensitivity Evaluation	0.53		Bq/L
Hydrogen-3	191	191	A		0.0	134 - 248	12	A	Bq/L
Iron-55	NR	25.5				17.9 - 33.2			Bq/L
Manganese-54	0.13		A			False Positive Test	0.11		Bq/L
Nickel-63	NR	38.9				27.2 - 50.6			Bq/L
Plutonium-238	0.0040	0.0081	A	(17)		Sensitivity Evaluation	0.0043		Bq/L
Plutonium-239/240	0.490	0.569	A		-13.9	0.398 - 0.740	0.063	A	Bq/L
Potassium-40	30.2	30.3	A		-0.3	21.2 - 39.4	1.5	A	Bq/L
Radium-226	0.403	0.437	A		-7.8	0.306 - 0.568	0.018	A	Bq/L
Strontium-90	NR	2.82	N	(28)		1.97 - 3.67			Bq/L
Technetium-99	NR	6.34				4.44 - 8.24			Bq/L
Uranium-234	0.091	0.535	N		-83.0	0.375 - 0.696	0.016	W	Bq/L
Uranium-238	0.429	0.548	W		-21.7	0.384 - 0.712	0.046	A	Bq/L
Zinc-65	28.69	26.7	A		7.5	18.7 - 34.7	0.81	A	Bq/L

Laboratory Results For MAPEP Series 52
MAPEP-25-RdF52: Radiological air filter
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Uranium-235	NR	0.039				0.027 - 0.051			ug/sample
Uranium-238	NR	5.36				3.75 - 6.97			ug/sample
Uranium-Total	NR	5.40				3.78 - 7.02			ug/sample

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Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	NR	0.0437	N	(28)		0.0306 - 0.0568			Bq/sample
Cesium-134	0.250	0.340	W		-26.5	0.238 - 0.442	0.016	A	Bq/sample
Cesium-137	0.602	0.678	A		-11.2	0.475 - 0.881	0.031	A	Bq/sample
Cobalt-57	0.565		N	(1)		False Positive Test	0.023		Bq/sample
Cobalt-60	0.448	0.486	A		-7.8	0.340 - 0.632	0.021	A	Bq/sample
Manganese-54	0.023		A			False Positive Test	0.023		Bq/sample
Plutonium-238	NR	0.0216	N	(28)		0.0151 - 0.0281			Bq/sample
Plutonium-239/240	NR	0.0141	N	(28)		0.0099 - 0.0183			Bq/sample
Strontium-90	NR	0.502	N	(28)		0.351 - 0.653			Bq/sample
Uranium-234	NR	0.064	N	(28)		0.045 - 0.083			Bq/sample
Uranium-238	NR	0.067	N	(28)		0.047 - 0.087			Bq/sample
Zinc-65	-0.236		N	(29)		False Positive Test	0.052		Bq/sample

Laboratory Results For MAPEP Series 52
MAPEP-25-RdV52: Radiological vegetation
(TDHL01) Texas Department of State Health Services Laboratory
1100 W 49th Street
Austin, TX 78756

Inorganic

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Uranium-235	NR	0.116				0.081 - 0.151			ug/sample
Uranium-238	NR	17.2				12.0 - 22.4			ug/sample
Uranium-Total	NR	17.3				12.1 - 22.5			ug/sample

Radiological

Analyte	Result	Ref Value	Flag	Notes	Bias (%)	Acceptance Range	Unc Value	Unc Flag	Units
Americium-241	NR	0.0728	N	(28)		0.0510 - 0.0946			Bq/sample
Cesium-134	0.03		A			False Positive Test	0.24		Bq/sample
Cesium-137	1.168	0.707	N		65.2	0.495 - 0.919	0.094	A	Bq/sample
Cobalt-57	4.00	3.40	A		17.6	2.38 - 4.42	0.14	A	Bq/sample
Cobalt-60	0.046		A			False Positive Test	0.079		Bq/sample
Manganese-54	2.87	2.72	A		5.5	1.90 - 3.54	0.12	A	Bq/sample
Plutonium-238	NR	0.0734	N	(28)		0.0514 - 0.0954			Bq/sample
Plutonium-239/240	NR	0.00026	N	(18)		Sensitivity Evaluation			Bq/sample
Strontium-90	NR	0.370	N	(28)		0.259 - 0.481			Bq/sample
Uranium-234	NR	0.208	N	(28)		0.146 - 0.270			Bq/sample
Uranium-238	NR	0.214	N	(28)		0.150 - 0.278			Bq/sample
Zinc-65	1.80	1.87	A		-3.7	1.31 - 2.43	0.16	A	Bq/sample

Notes:

(1) = False Positive
(17) = NOT DETECTED - reported a statistically zero result
(18) = Sensitivity Evaluation, Value Not Reported
(28) = Not Reporting Previously Reported Analyte
(29) = Statistically significant negative value at 3 standard deviations

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Laboratory Services Section
Environmental Sciences Branch

Each laboratory procedure is performed under unique analysis conditions. Variations occur in volumes, counting efficiencies, detector backgrounds, count times, decay factors, chemical recoveries, and other analysis parameters which affect the sensitivity of the measurement. The detection limits listed in the following tables were derived using standard analysis conditions and are routinely achievable on normal samples. If greater sensitivity is required, it is usually possible to adjust detection limits by changing one or more of these parameters.

Detection Limits for Gamma Spectroscopy
Sample Type

Isotope	Soil - Sediment		Air Filter		Water - Milk		Vegetation - Fish	
	µCi/g	pCi/kg	µCi/filter	pCi/filter	µCi/ml	pCi/l	µCi/g	pCi/kg
Ac-228	2.0E-07	2.0E+02	2.0E-05	2.0E+01	2.0E-08	2.0E+01	1.0E-07	1.0E+02
Ag-110m	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Am-241	1.0E-07	1.0E+02	5.0E-06	5.0E+00	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Ba-140	4.0E-07	4.0E+02	2.0E-05	2.0E+01	2.0E-08	2.0E+01	1.0E-07	1.0E+02
Be-7	1.0E-06	1.0E+03	3.0E-05	3.0E+01	3.0E-08	3.0E+01	1.0E-07	1.0E+02
Bi-212	5.0E-07	5.0E+02	3.0E-05	3.0E+01	1.0E-07	1.0E+02	1.0E-07	1.0E+02
Bi-214	2.0E-07	2.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Co-57	1.0E-07	1.0E+02	2.0E-06	2.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Co-58	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Co-60	1.0E-07	1.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Cr-51	1.0E-06	1.0E+03	3.0E-05	3.0E+01	3.0E-08	3.0E+01	1.0E-07	1.0E+02
Cs-134	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Cs-137	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Fe-59	1.0E-07	1.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02
I-125	1.0E-06	1.0E+03	1.0E-05	1.0E+01	2.0E-08	2.0E+01	1.0E-07	1.0E+02
I-131*	1.0E-07	1.0E+02	5.0E-06	5.0E+00	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Ir-192	1.0E-07	1.0E+02	5.0E-06	5.0E+00	1.0E-08	1.0E+01	1.0E-07	1.0E+02
K-40	2.0E-06	2.0E+03	1.0E-04	1.0E+02	4.0E-08	4.0E+01	1.0E-07	1.0E+02
La-140	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Mn-54	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Nb-95	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Pb-210	4.0E-07	4.0E+02	2.0E-05	2.0E+01	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Pb-212	2.0E-07	2.0E+02	1.0E-05	1.0E+01	3.0E-08	3.0E+01	1.0E-07	1.0E+02
Pb-214	2.0E-07	2.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Ra-226	2.0E-06	2.0E+03	1.0E-04	1.0E+02	1.0E-07	1.0E+02	2.0E-07	2.0E+02
Sb-124	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Sc-46	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
Th-230	1.0E-05	1.0E+04	3.0E-04	3.0E+02	1.0E-06	1.0E+03	2.0E-06	2.0E+03
Th-234	1.0E-06	1.0E+03	4.0E-05	4.0E+01	1.0E-07	1.0E+02	2.0E-07	2.0E+02
Tl-208	1.0E-07	1.0E+02	5.0E-06	5.0E+00	5.0E-09	5.0E+00	1.0E-07	1.0E+02
U-235	4.0E-07	4.0E+02	2.0E-05	2.0E+01	3.0E-08	3.0E+01	1.0E-07	1.0E+02
U-238	1.0E-06	1.0E+03	3.0E-05	3.0E+01	6.0E-08	6.0E+01	2.0E-07	2.0E+02
Zn-65	2.0E-07	2.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02
Zr-95	1.0E-07	1.0E+02	1.0E-05	1.0E+01	1.0E-08	1.0E+01	1.0E-07	1.0E+02

*Air iodine can be determined by using cartridges. Detection limits are 2.0E-14µCi/ml or 2.0E-02 pCi/m^3.

Laboratory Services Section
Environmental Sciences Branch

Detection Limits for Chemical Analysis Procedures
Sample Type

Isotope	Soil - Sediment		Air Filter		Water - Milk		Vegetation - Fish	
	µCi/g	pCi/kg	µCi/filter	pCi/filter	µCi/ml	pCi/l	µCi/g	pCi/kg
Alpha	6.1E-06	6.1E+03	7.0E-07	7.0E-01	3.3E-09	3.3E+00	3.3E-06	3.3E+03
Beta	1.2E-05	1.2E+04	1.3E-06	1.3E+00	6.6E-09	6.6E+00	6.6E-06	6.6E+03
C-14					3.0E-07	3.0E+02		
H-3			2.0E-06	2.0E+00	1.0E-06	1.0E+03		
Ra-226	4.0E-07	4.0E+02	8.0E-07	8.0E-01	8.0E-10	8.0E-01	4.0E-07	4.0E+02
Ra-228	1.9E-06	1.9E+03	3.9E-06	3.9E+00	3.9E-09	3.9E+00	1.9E-06	1.9E+03
Sr-89	9.0E-07	9.0E+02	1.7E-06	1.7E+00	1.7E-09	1.7E+00	9.0E-07	9.0E+02
Sr-90	1.3E-06	1.3E+03	2.7E-06	2.7E+00	2.7E-09	2.7E+00	1.3E-06	1.3E+03

Detection Limits for Alpha Spectroscopy
Sample Type

Isotope	Soil - Sediment		Air Filter		Water - Milk		Vegetation - Fish	
	µCi/g	pCi/kg	µCi/filter	pCi/filter	µCi/ml	pCi/l	µCi/g	pCi/kg
Am-241	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03
Pu-239	2.0E-07	2.0E+02	2.0E-07	2.0E-01	2.0E-10	2.0E-01	2.0E-07	2.0E+02
Th-228	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03
Th-230	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03
Th-232	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03
U-234	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03
U-238	1.0E-06	1.0E+03	1.0E-06	1.0E+00	1.0E-09	1.0E+00	1.0E-06	1.0E+03

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