

October 1, 2021

Mr. James Smith  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852-2738

Mr. Paul Davis  
Oklahoma Department of Environmental Quality  
707 North Robinson  
Oklahoma City, OK 73101

Mr. Robert Evans  
U.S. Nuclear Regulatory Commission  
1600 East Lamar Blvd; Suite 400  
Arlington, TX 76011-4511

Re: Docket No. 07000925; License No. SNM-928  
Cimarron Environmental Response Trust  
2021 Annual Environmental Monitoring Data

Dear Sirs:

Solely as Trustee for the Cimarron Environmental Response Trust (CERT), Environmental Properties Management LLC (EPM) submits herein the data obtained from the 2021 annual environmental monitoring sampling event. Groundwater samples were collected from 29 monitor wells and surface water samples were collected from 2 surface water locations in accordance with the Cimarron Radiation Protection Plan (RPP), Section 15, "Environmental Monitoring".

All samples were analyzed for gross alpha activity, gross beta activity, isotopic uranium (both mass concentration and activity concentration), nitrate, and fluoride. Environmental samples have been analyzed for isotopic uranium activity concentration since 1988 (for more than 30 years). EPM noted that at low total uranium concentrations, the uncertainty associated with analytical results was at times greater than the reported concentration. At times, the process of converting isotopic activity to isotopic mass to calculate enrichment (expressed in terms of mass concentration) led to wide swings in the enrichment of water samples collected from the same location.

EPM and Enercon Services personnel responsible for implementation of the radiation protection program conducted a test to see if the uncertainty associated with isotopic analysis could be reduced. Groundwater samples were collected and analyzed for isotopic activity concentration

by method HASL 300 (alpha spectroscopic analysis) and for isotopic mass concentration by method EPA 200.8 (inductively coupled plasma mass spectroscopy, or ICP-MS).

On May 4, 2017, EPM submitted a technical memorandum entitled *Analysis of Analytical Method for Uranium Enrichment Determination* (ML17128A093) to the U. S. Nuclear Regulatory Commission (NRC) and the Oklahoma Department of Environmental Quality (DEQ). This technical memorandum demonstrated that analysis of water samples for isotopic mass concentration produces results with significantly less uncertainty than analysis of water samples for isotopic activity concentration. With the exception of the annual environmental monitoring program sampling events, EPM has always had water samples analyzed only for isotopic mass concentration.

Section 15 of the RPP requires analysis for isotopic uranium but does not specify a method. The cost of analysis for isotopic activity concentration is approximately 2.5 times the cost for isotopic mass concentration. Consequently, environmental monitoring samples will in the future be analyzed only for isotopic mass concentration.

If you have any questions or desire clarification, please call me at (405) 641-5152.

Sincerely,

A handwritten signature in cursive script that reads "Jeff Lux".

Jeff Lux, P.E.  
Project Manager

cc: Michael Broderick, Oklahoma Department of Environmental Quality  
NRC Public Document Room

**Cimarron Environmental Response Trust  
2021 Annual Environmental Monitoring Data**

Area	Sample No	Coll Date	Parameter	Lab Result	Uncertainty	Total Activity/ Concentration	Units	Lab or Data Review Qual	MDL
<b>SURFACE WATER</b>	1201	7/7/2021	Fluoride	0.30	0.015		MG/L		0.033
	1201	7/7/2021	Nitrogen, Nitrate/Nitrite	0.23			MG/L	J	0.085
	1201	7/7/2021	ALPHA	3.08	4.73		PCI/L	U	8.18
	1201	7/7/2021	BETA	18.6	5.91		PCI/L		9.17
	1201	7/7/2021	Uranium-233/234	2.74	1.09		PCI/L		0.914
	1201	7/7/2021	Uranium-235/236	-0.03	0.245		PCI/L	U	0.567
	1201	7/7/2021	Uranium-238	1.61	0.876	<b>4.32</b>	PCI/L		0.906
	1201	7/7/2021	Uranium-235	0.05	0.00423		UG/L	J	0.01
	1201	7/7/2021	Uranium-238	6.72	0.337	<b>6.77</b>	UG/L		0.067
	1202	7/1/2021	Fluoride	0.22	0.0133		MG/L		0.033
	1202	7/1/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.085
	1202	7/1/2021	ALPHA	0.32	2.59		PCI/L	U	4.72
	1202	7/1/2021	BETA	26.2	5.55		PCI/L		7.99
	1202	7/1/2021	Uranium-233/234	0.41	0.547		PCI/L	U	0.889
	1202	7/1/2021	Uranium-235/236	0.07	0.323		PCI/L	U	0.563
	1202	7/1/2021	Uranium-238	0.71	0.522	<b>1.20</b>	PCI/L		0.658
	1202	7/1/2021	Uranium-235	ND	0.00334		UG/L	U	0.01
	1202	7/1/2021	Uranium-238	0.54	0.0352	<b>0.54</b>	UG/L		0.067
<b>1206-NORTH</b>	MWWA-03	7/8/2021	Fluoride	3.71	0.135		MG/L		0.165
	MWWA-03	7/8/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	MWWA-03	7/8/2021	ALPHA	254.00	19		PCI/L		4.53
	MWWA-03	7/8/2021	BETA	48.1	4.06		PCI/L		3.4
	MWWA-03	7/8/2021	Uranium-233/234	248.00	9.37		PCI/L		1
	MWWA-03	7/8/2021	Uranium-235/236	15.0	2.57		PCI/L		0.544
	MWWA-03	7/8/2021	Uranium-238	35.6	3.56	<b>299</b>	PCI/L		0.741
	MWWA-03	7/8/2021	Uranium-235	5.34	0.269		UG/L		0.1
MWWA-03	7/8/2021	Uranium-238	106	5.29	<b>111</b>	UG/L		0.335	

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<b>1206-NORTH</b>	MWWA-09	7/8/2021	Fluoride	3.85	0.129		MG/L		0.033
	MWWA-09	7/8/2021	Nitrogen, Nitrate/Nitrite	1.86			MG/L		0.085
	MWWA-09	7/8/2021	ALPHA	55.6	8.66		PCI/L		4.12
	MWWA-09	7/8/2021	BETA	26.6	3.17		PCI/L		3.09
	MWWA-09	7/8/2021	Uranium-233/234	62.2	4.61		PCI/L		0.828
	MWWA-09	7/8/2021	Uranium-235/236	3.61	1.25		PCI/L		0.328
	MWWA-09	7/8/2021	Uranium-238	24.3	2.89	<b>90.1</b>	PCI/L		0.62
	MWWA-09	7/8/2021	Uranium-235	1.34	0.0692		UG/L		0.05
	MWWA-09	7/8/2021	Uranium-238	74.5	3.73	<b>75.8</b>	UG/L		0.067
<b>WU-BA3</b>	1351	7/8/2021	Fluoride	1.03	0.036		MG/L		0.033
	1351	7/8/2021	Nitrogen, Nitrate/Nitrite	34.1			MG/L		0.85
	1351	7/8/2021	ALPHA	1,590	45.8		PCI/L		4.23
	1351	7/8/2021	BETA	292.00	9.9		PCI/L		3.8
	1351	7/8/2021	Uranium-233/234	1,130	39.2		PCI/L		2.71
	1351	7/8/2021	Uranium-235/236	58.7	10		PCI/L		2.1
	1351	7/8/2021	Uranium-238	305	20.4	<b>1,494</b>	PCI/L		2.34
	1351	7/8/2021	Uranium-235	22.6	1.14		UG/L		0.4
	1351	7/8/2021	Uranium-238	849	42.5	<b>872</b>	UG/L		2.68
	1351DUP	7/8/2021	Fluoride	1.04	0.0363		MG/L		0.033
	1351DUP	7/8/2021	Nitrogen, Nitrate/Nitrite	33.4			MG/L		0.85
	1351DUP	7/8/2021	ALPHA	964	39.3		PCI/L		4.63
	1351DUP	7/8/2021	BETA	260	11.7		PCI/L		3.77
	1351DUP	7/8/2021	Uranium-233/234	1,100	28.8		PCI/L		1.96
	1351DUP	7/8/2021	Uranium-235/236	65.5	7.84		PCI/L		1.16
	1351DUP	7/8/2021	Uranium-238	283	14.6	<b>1,449</b>	PCI/L		1.59
	1351DUP	7/8/2021	Uranium-235	22.7	1.14		UG/L		0.4
	1351DUP	7/8/2021	Uranium-238	840	42	<b>863</b>	UG/L		2.68

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<b>WU-BA3</b>	1352	7/8/2021	Fluoride	0.47	0.0191		MG/L		0.033
	1352	7/8/2021	Nitrogen, Nitrate/Nitrite	39.3			MG/L		0.85
	1352	7/8/2021	ALPHA	62.9	9.36		PCI/L		4.23
	1352	7/8/2021	BETA	37.1	3.92		PCI/L		3.59
	1352	7/8/2021	Uranium-233/234	36.2	3.26		PCI/L		0.733
	1352	7/8/2021	Uranium-235/236	2.31	0.933		PCI/L		0.447
	1352	7/8/2021	Uranium-238	35.4	3.21	<b>73.9</b>	PCI/L		0.529
	1352	7/8/2021	Uranium-235	0.90	0.048		UG/L		0.05
	1352	7/8/2021	Uranium-238	123	6.15	<b>124</b>	UG/L		0.335
	1354	7/8/2021	Fluoride	0.29	0.0145		MG/L		0.033
	1354	7/8/2021	Nitrogen, Nitrate/Nitrite	255			MG/L		8.5
	1354	7/8/2021	ALPHA	6.97	3.55		PCI/L		5.53
	1354	7/8/2021	BETA	40.8	3		PCI/L		2.98
	1354	7/8/2021	Uranium-233/234	0.39	0.606		PCI/L	U	0.998
	1354	7/8/2021	Uranium-235/236	-0.03	0.269		PCI/L	U	0.622
	1354	7/8/2021	Uranium-238	0.13	0.37	<b>0.49</b>	PCI/L	U	0.641
	1354	7/8/2021	Uranium-235	0.01	0.00338		UG/L	J	0.01
	1354	7/8/2021	Uranium-238	1.19	0.0634	<b>1.20</b>	UG/L		0.067
	1356	7/8/2021	Fluoride	1.03	0.036		MG/L		0.033
	1356	7/8/2021	Nitrogen, Nitrate/Nitrite	4.85			MG/L		0.17
	1356	7/8/2021	ALPHA	768	33.2		PCI/L		3.96
	1356	7/8/2021	BETA	211	8.37		PCI/L		3.56
	1356	7/8/2021	Uranium-233/234	555	18.4		PCI/L		1.52
	1356	7/8/2021	Uranium-235/236	27.10	4.55		PCI/L		0.943
	1356	7/8/2021	Uranium-238	218	11.6	<b>800</b>	PCI/L		1.33
	1356	7/8/2021	Uranium-235	14.20	0.713		UG/L		0.25
	1356	7/8/2021	Uranium-238	782	39.1	<b>796</b>	UG/L		1.68

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<b>WAA U&gt;DCGL</b>	T-62	7/7/2021	Fluoride	3.65	0.122		MG/L		0.033
	T-62	7/7/2021	Nitrogen, Nitrate/Nitrite	6.57			MG/L		0.17
	T-62	7/7/2021	ALPHA	153	14.4		PCI/L		4.83
	T-62	7/7/2021	BETA	44.0	3.95		PCI/L		3.53
	T-62	7/7/2021	Uranium-233/234	97.0	5.08		PCI/L		0.909
	T-62	7/7/2021	Uranium-235/236	3.53	1.1		PCI/L		0.471
	T-62	7/7/2021	Uranium-238	29.6	2.81	<b>130</b>	PCI/L		0.556
	T-62	7/7/2021	Uranium-235	2.38	0.12		UG/L		0.05
	T-62	7/7/2021	Uranium-238	107	5.37	<b>109</b>	UG/L		0.335
	T-64	7/7/2021	Fluoride	5.98	0.2		MG/L		0.066
	T-64	7/7/2021	Nitrogen, Nitrate/Nitrite	8.49			MG/L		0.17
	T-64	7/7/2021	ALPHA	453	24.4		PCI/L		4.05
	T-64	7/7/2021	BETA	72.8	4.99		PCI/L		3.83
	T-64	7/7/2021	Uranium-233/234	422	14.6		PCI/L		1.38
	T-64	7/7/2021	Uranium-235/236	22.7	3.77		PCI/L		0.774
	T-64	7/7/2021	Uranium-238	61.1	5.57	<b>506</b>	PCI/L		1.24
	T-64	7/7/2021	Uranium-235	8.08	0.409		UG/L		0.2
	T-64	7/7/2021	Uranium-238	182	9.08	<b>190</b>	UG/L		0.335
	T-70R	7/7/2021	Fluoride	0.83	0.0299		MG/L		0.033
	T-70R	7/7/2021	Nitrogen, Nitrate/Nitrite	1.71			MG/L		0.085
	T-70R	7/7/2021	ALPHA	91.8	11.7		PCI/L		4.34
	T-70R	7/7/2021	BETA	21.4	3.42		PCI/L		4
	T-70R	7/7/2021	Uranium-233/234	127	6.28		PCI/L		0.853
	T-70R	7/7/2021	Uranium-235/236	5.58	1.49		PCI/L		0.656
	T-70R	7/7/2021	Uranium-238	21.3	2.58	<b>154</b>	PCI/L		0.596
	T-70R	7/7/2021	Uranium-235	2.76	0.139		UG/L		0.05
	T-70R	7/7/2021	Uranium-238	53.3	2.67	<b>56.1</b>	UG/L		0.067

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<b>WAA U&gt;DCGL</b>	T-76	7/7/2021	Fluoride	2.73	0.0918		MG/L		0.033
	T-76	7/7/2021	Nitrogen, Nitrate/Nitrite	17.6			MG/L		0.425
	T-76	7/7/2021	ALPHA	155	15.8		PCI/L		4.2
	T-76	7/7/2021	BETA	59.6	4.7		PCI/L		3.38
	T-76	7/7/2021	Uranium-233/234	158	7.13		PCI/L		0.845
	T-76	7/7/2021	Uranium-235/236	7.08	1.7		PCI/L		0.572
	T-76	7/7/2021	Uranium-238	54.2	4.19	<b>219</b>	PCI/L		0.832
	T-76	7/7/2021	Uranium-235	2.92	0.147		UG/L		0.05
	T-76	7/7/2021	Uranium-238	145	7.23	<b>148</b>	UG/L		0.335
	T-77	7/8/2021	Fluoride	0.63	0.0237		MG/L		0.033
	T-77	7/8/2021	Nitrogen, Nitrate/Nitrite	1.60			MG/L		0.085
	T-77	7/8/2021	ALPHA	45.0	6.9		PCI/L	<b>J-</b>	6.38
	T-77	7/8/2021	BETA	13.4	3.13		PCI/L		4.53
	T-77	7/8/2021	Uranium-233/234	88.4	7.49		PCI/L		1.84
	T-77	7/8/2021	Uranium-235/236	3.63	1.78		PCI/L		1.33
	T-77	7/8/2021	Uranium-238	15.9	3.22	<b>108</b>	PCI/L		1.37
	T-77	7/8/2021	Uranium-235	1.43	0.0735		UG/L		0.05
	T-77	7/8/2021	Uranium-238	43.4	2.17	<b>44.8</b>	UG/L		0.067
	T-79	7/8/2021	Fluoride	0.76	0.0277		MG/L		0.033
	T-79	7/8/2021	Nitrogen, Nitrate/Nitrite	0.30			MG/L		0.085
	T-79	7/8/2021	ALPHA	79.1	5.92		PCI/L		2.25
	T-79	7/8/2021	BETA	16.0	2.18		PCI/L		2.93
	T-79	7/8/2021	Uranium-233/234	96.4	6.04		PCI/L		0.774
	T-79	7/8/2021	Uranium-235/236	4.19	1.43		PCI/L		0.673
	T-79	7/8/2021	Uranium-238	16.5	2.52	<b>117</b>	PCI/L		0.762
	T-79	7/8/2021	Uranium-235	1.93	0.0981		UG/L		0.05
	T-79	7/8/2021	Uranium-238	49.9	2.5	<b>51.8</b>	UG/L		0.067

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<b>WAA-WEST</b>	T-82	7/8/2021	Fluoride	0.40	0.0174		MG/L		0.033
	T-82	7/8/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	T-82	7/8/2021	ALPHA	13.9	4.12		PCI/L		5.33
	T-82	7/8/2021	BETA	7.28	1.91		PCI/L		2.75
	T-82	7/8/2021	Uranium-233/234	21.9	3.13		PCI/L		0.926
	T-82	7/8/2021	Uranium-235/236	0.78	0.743		PCI/L	U	0.784
	T-82	7/8/2021	Uranium-238	6.05	1.67	<b>28.7</b>	PCI/L		0.803
	T-82	7/8/2021	Uranium-235	0.30	0.0154		UG/L		0.01
	T-82	7/8/2021	Uranium-238	19.5	0.975	<b>19.8</b>	UG/L		0.067
<b>BA1-A SANDSTONE B</b>	1314	7/6/2021	Fluoride	0.32	0.0154		MG/L		0.033
	1314	7/6/2021	Nitrogen, Nitrate/Nitrite	1.39			MG/L		0.085
	1314	7/6/2021	ALPHA	2.73	2.62		PCI/L	U	3.84
	1314	7/6/2021	BETA	1.06	2.14		PCI/L	U	3.75
	1314	7/6/2021	Uranium-233/234	1.19	0.68		PCI/L		0.64
	1314	7/6/2021	Uranium-235/236	0.00	0.208		PCI/L	U	0.309
	1314	7/6/2021	Uranium-238	0.34	0.41	<b>1.53</b>	PCI/L	U	0.55
	1314	7/6/2021	Uranium-235	ND	0.00335		UG/L	U	0.01
	1314	7/6/2021	Uranium-238	1.04	0.0567	<b>1.04</b>	UG/L		0.067
	TMW-08	7/7/2021	Fluoride	0.44	0.0183		MG/L		0.033
	TMW-08	7/7/2021	Nitrogen, Nitrate/Nitrite	1.92			MG/L		0.085
	TMW-08	7/7/2021	ALPHA	320	9.99		PCI/L		2.52
	TMW-08	7/7/2021	BETA	159	5.19		PCI/L		2.8
	TMW-08	7/7/2021	Uranium-233/234	206	10.1		PCI/L		1.33
	TMW-08	7/7/2021	Uranium-235/236	11.0	2.66		PCI/L		1.23
	TMW-08	7/7/2021	Uranium-238	166	9.08	<b>383</b>	PCI/L		1.15
TMW-08	7/7/2021	Uranium-235	3.98	0.202		UG/L		0.1	
TMW-08	7/7/2021	Uranium-238	405	20.2	<b>409</b>	UG/L		0.67	



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<b>BA1-A SANDSTONE B</b>	02W42	7/7/2021	Fluoride	0.49	0.0198		MG/L		0.033
	02W42	7/7/2021	Nitrogen, Nitrate/Nitrite	0.36			MG/L		0.085
	02W42	7/7/2021	ALPHA	924	41.4		PCI/L	J-	4.81
	02W42	7/7/2021	BETA	378	14		PCI/L		4.3
	02W42	7/7/2021	Uranium-233/234	1,030	34.8		PCI/L		3.47
	02W42	7/7/2021	Uranium-235/236	68.3	10		PCI/L		2.49
	02W42	7/7/2021	Uranium-238	522	24.8	1,620	PCI/L		3.17
	02W42	7/7/2021	Uranium-235	23.6	1.19		UG/L		0.4
	02W42	7/7/2021	Uranium-238	1,530	76.5	1,554	UG/L		2.68
	02W27	7/7/2021	Fluoride	0.56	0.0216		MG/L		0.033
	02W27	7/7/2021	Nitrogen, Nitrate/Nitrite	3.59			MG/L		0.085
	02W27	7/7/2021	ALPHA	61.8	10.3		PCI/L		4.36
	02W27	7/7/2021	BETA	21.9	4.4		PCI/L		4.22
	02W27	7/7/2021	Uranium-233/234	64.1	4.89		PCI/L		0.968
	02W27	7/7/2021	Uranium-235/236	3.58	1.33		PCI/L		0.786
	02W27	7/7/2021	Uranium-238	28.8	3.28	96.5	PCI/L		0.636
	02W27	7/7/2021	Uranium-235	1.14	0.0596		UG/L		0.05
	02W27	7/7/2021	Uranium-238	80.2	4.01	81.3	UG/L		0.067
<b>BA1-A TRANSITION ZONE</b>	02W09	7/6/2021	Fluoride	1.22	0.0421		MG/L		0.033
	02W09	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W09	7/6/2021	ALPHA	3.91	3.48		PCI/L	U	4.99
	02W09	7/6/2021	BETA	7.88	3.25		PCI/L		4.5
	02W09	7/6/2021	Uranium-233/234	3.55	1.24		PCI/L		0.921
	02W09	7/6/2021	Uranium-235/236	0.09	0.349		PCI/L	U	0.587
	02W09	7/6/2021	Uranium-238	2.49	1.06	6.13	PCI/L		0.912
	02W09	7/6/2021	Uranium-235	0.09	0.00542		UG/L		0.01
	02W09	7/6/2021	Uranium-238	7.71	0.386	7.80	UG/L		0.067

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<b>BA1-A TRANSITION ZONE</b>	02W28	7/6/2021	Fluoride	0.72	0.0265		MG/L		0.033
	02W28	7/6/2021	Nitrogen, Nitrate/Nitrite	0.88			MG/L		0.085
	02W28	7/6/2021	ALPHA	239	21.3		PCI/L		4.63
	02W28	7/6/2021	BETA	77.1	6.85		PCI/L		3.05
	02W28	7/6/2021	Uranium-233/234	149	7.13		PCI/L		0.852
	02W28	7/6/2021	Uranium-235/236	8.54	1.91		PCI/L		0.328
	02W28	7/6/2021	Uranium-238	86.2	5.42	<b>244</b>	PCI/L		0.655
	02W28	7/6/2021	Uranium-235	3.36	0.169		UG/L		0.05
	02W28	7/6/2021	Uranium-238	263	13.1	<b>266</b>	UG/L		0.335
	TMW-09	7/7/2021	Fluoride	0.65	0.0242		MG/L		0.033
	TMW-09	7/7/2021	Nitrogen, Nitrate/Nitrite	2.32			MG/L		0.085
	TMW-09	7/7/2021	ALPHA	1,690	24.3		PCI/L		2.05
	TMW-09	7/7/2021	BETA	569	9.5		PCI/L		2.75
	TMW-09	7/7/2021	Uranium-233/234	967	35.7		PCI/L		2.2
	TMW-09	7/7/2021	Uranium-235/236	61.1	10		PCI/L		2.59
	TMW-09	7/7/2021	Uranium-238	639	29	<b>1,667</b>	PCI/L		2.53
	TMW-09	7/7/2021	Uranium-235	22.6	1.14		UG/L		0.4
	TMW-09	7/7/2021	Uranium-238	1,910	95.6	<b>1,933</b>	UG/L		2.68
	TMW-09DUP	7/7/2021	Fluoride	0.65	0.0242		MG/L		0.033
	TMW-09DUP	7/7/2021	Nitrogen, Nitrate/Nitrite	2.37			MG/L		0.085
	TMW-09DUP	7/7/2021	ALPHA	1,630	24		PCI/L		2.66
	TMW-09DUP	7/7/2021	BETA	612	9.75		PCI/L		3.07
	TMW-09DUP	7/7/2021	Uranium-233/234	1,000	39.1		PCI/L		3.28
	TMW-09DUP	7/7/2021	Uranium-235/236	50.5	9.8		PCI/L		1.47
	TMW-09DUP	7/7/2021	Uranium-238	676	32.1	<b>1,727</b>	PCI/L		2.94
	TMW-09DUP	7/7/2021	Uranium-235	22.9	1.15		UG/L		0.4
	TMW-09DUP	7/7/2021	Uranium-238	1,940	97.2	<b>1,963</b>	UG/L		2.68

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<b>BA1-B SOUTH</b>	TMW-13	7/6/2021	Fluoride	0.58	0.0221		MG/L		0.033
	TMW-13	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	TMW-13	7/6/2021	ALPHA	723	31.4		PCI/L	J-	4.59
	TMW-13	7/6/2021	BETA	364	12.1		PCI/L		3.99
	TMW-13	7/6/2021	Uranium-233/234	721	24.3		PCI/L		1.5
	TMW-13	7/6/2021	Uranium-235/236	50.3	7.18		PCI/L		1.46
	TMW-13	7/6/2021	Uranium-238	420	18.6	<b>1191</b>	PCI/L		1.18
	TMW-13	7/6/2021	Uranium-235	14.6	0.733		UG/L		0.25
	TMW-13	7/6/2021	Uranium-238	1130	56.5	<b>1145</b>	UG/L		1.34
	02W32	7/6/2021	Fluoride	0.58	0.0222		MG/L		0.033
	02W32	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W32	7/6/2021	ALPHA	114	13.5		PCI/L		4.79
	02W32	7/6/2021	BETA	59.4	5.68		PCI/L		3.71
	02W32	7/6/2021	Uranium-233/234	82.0	5.15		PCI/L		0.746
	02W32	7/6/2021	Uranium-235/236	5.01	1.44		PCI/L		0.634
	02W32	7/6/2021	Uranium-238	52.8	4.13	<b>140</b>	PCI/L		0.465
	02W32	7/6/2021	Uranium-235	1.96	0.0993		UG/L		0.05
	02W32	7/6/2021	Uranium-238	160	8.01	<b>162</b>	UG/L		0.335
	02W32DUP	7/6/2021	Fluoride	0.65	0.0243		MG/L		0.033
	02W32DUP	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W32DUP	7/6/2021	ALPHA	127	16.1		PCI/L		4.97
	02W32DUP	7/6/2021	BETA	51.7	6.3		PCI/L		4.59
	02W32DUP	7/6/2021	Uranium-233/234	73.9	5.67		PCI/L		0.833
	02W32DUP	7/6/2021	Uranium-235/236	3.90	1.47		PCI/L		0.418
	02W32DUP	7/6/2021	Uranium-238	46.4	4.49	<b>124</b>	PCI/L		0.624
	02W32DUP	7/6/2021	Uranium-235	1.95	0.0988		UG/L		0.05
	02W32DUP	7/6/2021	Uranium-238	160	8.01	<b>162</b>	UG/L		0.335

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<b>Area</b>	<b>Sample No</b>	<b>Coll Date</b>	<b>Parameter</b>	<b>Lab Result</b>	<b>Uncertainty</b>	<b>Total Activity/ Concentration</b>	<b>Units</b>	<b>Lab or Data Review Qual</b>	<b>MDL</b>
<b>BA1-B SOUTH</b>	02W16	7/7/2021	Fluoride	0.41	0.0176		MG/L		0.033
	02W16	7/7/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W16	7/7/2021	ALPHA	10.2	4.71		PCI/L		4.85
	02W16	7/7/2021	BETA	5.52	2.78		PCI/L		4.14
	02W16	7/7/2021	Uranium-233/234	10.1	2.11		PCI/L		1.04
	02W16	7/7/2021	Uranium-235/236	1.94	1.07		PCI/L		0.828
	02W16	7/7/2021	Uranium-238	7.03	1.77	<b>19.1</b>	PCI/L		0.886
	02W16	7/7/2021	Uranium-235	0.25	0.0131		UG/L		0.01
	02W16	7/7/2021	Uranium-238	20.3	1.02	<b>20.6</b>	UG/L		0.067
<b>BA1-B NORTH</b>	02W08	7/6/2021	Fluoride	0.60	0.0229		MG/L		0.033
	02W08	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W08	7/6/2021	ALPHA	71.6	12.5		PCI/L		4.83
	02W08	7/6/2021	BETA	22.8	4.37		PCI/L		3.82
	02W08	7/6/2021	Uranium-233/234	52.5	4.1		PCI/L		0.633
	02W08	7/6/2021	Uranium-235/236	3.51	1.21		PCI/L		0.626
	02W08	7/6/2021	Uranium-238	33.0	3.25	<b>89.0</b>	PCI/L		0.581
	02W08	7/6/2021	Uranium-235	1.20	0.0624		UG/L		0.05
	02W08	7/6/2021	Uranium-238	101	5.07	<b>102</b>	UG/L		0.335
	02W06	7/6/2021	Fluoride	0.53	0.0209		MG/L		0.033
	02W06	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W06	7/6/2021	ALPHA	318	11.2		PCI/L		3.43
	02W06	7/6/2021	BETA	105	4.41		PCI/L		3.01
	02W06	7/6/2021	Uranium-233/234	181	7.57		PCI/L		0.794
	02W06	7/6/2021	Uranium-235/236	12.9	2.25		PCI/L		0.305
	02W06	7/6/2021	Uranium-238	111	5.91	<b>305</b>	PCI/L		0.455
	02W06	7/6/2021	Uranium-235	4.75	0.24		UG/L		0.1
	02W06	7/6/2021	Uranium-238	361	18	<b>366</b>	UG/L		0.67

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Area	Sample No	Coll Date	Parameter	Lab Result	Uncertainty	Total Activity/ Concentration	Units	Lab or Data Review Qual	MDL
<b>BA1-B NORTH</b>	02W17	7/6/2021	Fluoride	0.35	0.016		MG/L		0.033
	02W17	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W17	7/6/2021	ALPHA	29.6	3.46		PCI/L		2.28
	02W17	7/6/2021	BETA	13.4	1.58		PCI/L		1.91
	02W17	7/6/2021	Uranium-233/234	31.2	3.16		PCI/L		0.753
	02W17	7/6/2021	Uranium-235/236	1.28	0.781		PCI/L		0.751
	02W17	7/6/2021	Uranium-238	17.5	2.36	<b>50.0</b>	PCI/L		0.455
	02W17	7/6/2021	Uranium-235	0.67	0.0335		UG/L		0.01
	02W17	7/6/2021	Uranium-238	51.8	2.59	<b>52.5</b>	UG/L		0.067
	02W35	7/6/2021	Fluoride	0.34	0.0159		MG/L		0.033
	02W35	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.085
	02W35	7/6/2021	ALPHA	62.2	5.07		PCI/L		2.34
	02W35	7/6/2021	BETA	31.2	2.34		PCI/L		2.29
	02W35	7/6/2021	Uranium-233/234	57.5	5.11		PCI/L		1.08
	02W35	7/6/2021	Uranium-235/236	3.15	1.36		PCI/L		0.695
	02W35	7/6/2021	Uranium-238	33.7	3.91	<b>94.4</b>	PCI/L		0.716
	02W35	7/6/2021	Uranium-235	1.59	0.0812		UG/L		0.05
	02W35	7/6/2021	Uranium-238	119	5.96	<b>121</b>	UG/L		0.335
	02W44	7/6/2021	Fluoride	0.53	0.0207		MG/L		0.033
	02W44	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.017
	02W44	7/6/2021	ALPHA	28.9	2.95		PCI/L		1.82
	02W44	7/6/2021	BETA	25.1	2.11		PCI/L		2.25
	02W44	7/6/2021	Uranium-233/234	30.0	3.75		PCI/L		0.929
	02W44	7/6/2021	Uranium-235/236	2.17	1.18		PCI/L		0.826
	02W44	7/6/2021	Uranium-238	21.2	3.15	<b>53.4</b>	PCI/L		0.668
	02W44	7/6/2021	Uranium-235	0.60	0.0302		UG/L		0.01
	02W44	7/6/2021	Uranium-238	49.4	2.47	<b>50.0</b>	UG/L		0.067

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<b>BA1-B NORTH</b>	02W43	7/6/2021	Fluoride	0.50	0.0198		MG/L		0.033
	02W43	7/6/2021	Nitrogen, Nitrate/Nitrite	ND			MG/L	U	0.085
	02W43	7/6/2021	ALPHA	68.4	11		PCI/L		4.64
	02W43	7/6/2021	BETA	32.0	4.29		PCI/L		3.4
	02W43	7/6/2021	Uranium-233/234	48.5	3.31		PCI/L		0.473
	02W43	7/6/2021	Uranium-235/236	3.13	0.955		PCI/L		0.442
	02W43	7/6/2021	Uranium-238	32.5	2.71	<b>84.1</b>	PCI/L		0.386
	02W43	7/6/2021	Uranium-235	1.18	0.0611		UG/L		0.05
	02W43	7/6/2021	Uranium-238	95.4	4.77	<b>96.6</b>	UG/L		0.067