		Sample Location:	MW-1B										
		Sample Date:	8/27/2020	9/9/2020	9/24/2020	10/8/2020	10/20/2020	11/4/2020	11/19/2020	12/3/2020	1/12/2021	4/13/2021	4/13/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	FD	N
		Location Type:	Landfill Monitor Well										
		Event:	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04	2021_04
Constituent	**Landfill BTVs for Detection Monitoring***	**Unit**											
Field Parameters													
Conductivity (field)	NA	us/cm	19073	18405	23458	20487	22242	26115	27429	23033	20141	20321	20321
Oxidation-reduction Potential (field)	NA	mV	139.9	145.3	30.5	11.9	138.8	152.8	83.8	96.9	167.1	163.8	163.8
pH (field)	LPL 6.08 UPL 7.67	su	6.86	6.85	6.69	6.67	6.68	6.66	6.67	6.76	6.77	6.71	6.71
Temperature (field)	NA	deg c	17.9	16.1	18.5	18	17.7	17.5	17.3	14.1	15.4	13.9	13.9
Turbidity (field)	NA	ntu	0.02	1.62	2.57	2.54	1.16	7.46	3.7	3.22	0.02	2.86	2.86
Appendix III													
Boron	6.9	mg/l	1.6	1.1	1.8	1.5	1.6	1.9	2.1	3.3	1.5	1.1	1.1
Calcium	480	mg/l	510	390	400	370	400	420	200	420	120	370	380
Chloride	3,000	mg/l	350	280	370	330	350	590 J	350 J	380	410	370	360
Fluoride	84	mg/l	< 10 U	30	38	28	22	0.9 J	36 J	0.37 J	1.8	0.38 J	0.38 J
pH (lab)	NA	su	7 J	7.2 J	7 J	7 J	7.1 J	7 J	7.1 J	7.1 J	7 J	7 J	7.1 J
Sulfate	48,000	mg/l	17000	16000	19000	16000	15000	19000 J	20000 J	21000	19000	16000	16000
Total Dissolved Solids	120,000	mg/l	26000	21000	33000	27000	34000 J	31000 J	15000 J	29000	25000	22000	25000
Appendix IV													
Antimony	NA	mg/l	0.0011 J	0.0007 J	0.0012 J	< 0.004 U	0.00073 J	< 0.01 U	< 0.004 U	< 0.02 U	0.00081 J	0.00059 J	0.00064 J
Arsenic	NA	mg/l	0.0055	0.0069	0.0062	0.0033 J	0.0052	0.0046 J	0.0046 J	0.0081 J	0.0057	0.0051	0.003 J
Barium	NA	mg/l	0.016	0.013	0.014	0.011	0.013	0.013 J	0.012	< 0.05 U	0.012	0.011	0.012
Beryllium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.0023	0.0024	0.0021	0.0026	0.0029	0.0027 J+	0.0022	0.0031 J	0.0028	0.0028	0.0026
Chromium, Total	NA	mg/l	0.0014 J	0.0016 J+	0.001 J	< 0.004 U	< 0.002 U	< 0.01 U	< 0.004 U	< 0.02 U	< 0.002 U	0.0012 J+	0.0021
Cobalt	NA	mg/l	0.019	0.02	0.028	0.021	0.024	0.032	0.034	0.038	0.033	0.028	0.028
Fluoride	NA	mg/l	< 10 U	30	38	28	22	0.9 J	36 J	0.37 J	1.8	0.38 J	0.38 J
Lead	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.002 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	2.3	2.1	2.7	2.2	2.4	3	1.9	3.2	3.1	2.4	2.5
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 UJ	0.00018 J	< 0.0002 UJ	0.0002 J	0.00013 J	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0052 J	0.0053 J	0.0052 J	0.0041 J	0.0046 J	< 0.05 U	0.005 J	< 0.1 U	0.0045 J	0.0041 J	0.0042 J
Radium-226	NA	pci/l	0.733	1.58 J+	0.686 J+	0.959	0.644	0.591 J	0.81 J	0.729	0.402	0.686 J	0.437 J
Radium-226/228	NA	pci/l	2.15	2.61 J+	2.31	2	1.5	1.39 J	1.94 J-	2.65	1.44	2.65 J	1.27 J
Radium-228	NA	pci/l	1.42	1.04 J	1.62	1.04 J-	0.852	0.8 J	1.13 J-	1.92	1.04	1.96 J	0.833 J
Selenium	NA	mg/l	0.65	0.7	0.67	0.51	0.58	0.62	0.7	0.75	0.67	0.52	0.55
Thallium	NA	mg/l	0.003	0.0033	0.0036	0.003	0.0032	0.0039 J	0.0035	0.0051 J	0.003	0.0026	0.0026
Total Suspended Solids	NA	mg/l	37	7.2	6	45	14	39 J	26 J	33	2.8 J	18 J	27 J
Other													
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	1100	1100	1400	1300	1300	1500	1700	1400	NT	1200 H	1200 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	1100	1100	1400	1300	1300	1500	1700	1400 B	NT	1200 HB	1200 H
Magnesium	NA	mg/l	2000	2000 B	2600	2000	2000	2800	3000	2700	NT	1900	2000
Potassium	NA	mg/l	35	38	38	39	37	39	39	39	NT	33	33
Sodium	NA	mg/l	3300	3300 B	4200	3300	3700	4300	4600	4200	NT	3100	3200

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	MW-2B									
		Sample Date:	8/28/2020	9/10/2020	9/25/2020	10/8/2020	10/20/2020	11/4/2020	11/19/2020	12/2/2020	1/13/2021	4/9/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N
		Location Type:	Landfill Monitor Well									
		Event:	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**Landfill BTVs for Detection Monitoring***	**Unit**										
Field Parameters												
Conductivity (field)	NA	us/cm	31310	31450	33234	33594	35529	33749	35096	33407	29936	41.281 **
Oxidation-reduction Potential (field)	NA	mV	169.7	125.6	172.2	156.5	103.1	189	49.7	196.6	146	-29.9
pH (field)	LPL 6.08 UPL 7.67	su	6.94	6.89	6.82	6.7	6.75	6.82	6.75	6.82	6.81	6.72
Temperature (field)	NA	deg c	16.1	14.3	14.8	15.8	15.8	14.4	16.6	12.3	14.7	15.2
Turbidity (field)	NA	ntu	8.61	2.87	9.55	3.41	6.52	6.71	4.57	4.45	0.08	1.47
Appendix III												
Boron	6.9	mg/l	2.6	1.7	2.2	2.3	2.5	2.4	2.9	4.7	2.1	3.6
Calcium	480	mg/l	500	400	240	390	400	410	160	420	150	380
Chloride	3,000	mg/l	560	460	540	500	540	490 J	490 J	520	580	530
Fluoride	84	mg/l	< 10 U	65	66	39	49 J	63 J	53 J	0.99 J	1.3 J	39
pH (lab)	NA	su	7 J	7.1 J	7 J	7 J	7.1 J	7 J	7.2 J	7 J	7.1 J	7.2 J
Sulfate	48,000	mg/l	32000	35000	28000	29000	30000	35000 J	26000 J	31000	37000	36000
Total Dissolved Solids	120,000	mg/l	50000	19000	50000	46000	51000 J	48000 J	26000 J	100000	44000	45000
Appendix IV												
Antimony	NA	mg/l	0.00062 J	< 0.002 U	< 0.002 U	< 0.004 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.002 U	0.0013 J+
Arsenic	NA	mg/l	0.012	0.016	0.016	0.02	0.019	0.012 J	0.02 J	0.0081 J	0.018	0.022
Barium	NA	mg/l	0.025	0.016	0.017	0.014	0.017	0.016 J	0.014 J	< 0.05 U	0.014	0.013
Beryllium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.0011	0.0012	0.0011 J+	0.0011 J+	0.0011 J+	0.0014 J+	< 0.005 U	< 0.01 U	0.0013	0.0011 J+
Chromium, Total	NA	mg/l	0.0018 J	0.0016 J+	< 0.002 U	< 0.004 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.002 U	< 0.002 U
Cobalt	NA	mg/l	0.015	0.018	0.019	0.021	0.022	0.022	0.023	0.025	0.029	0.034
Fluoride	NA	mg/l	< 10 U	65	66	39	49 J	63 J	53 J	0.99 J	1.3 J	39
Lead	NA	mg/l	0.00052 J	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	4.6	3.6	3.9	4	4.2	4.6	4.6	4.7	5.1	4.7
Mercury	NA	mg/l	0.00016 J	< 0.0002 UJ	0.00013 J	< 0.0002 UJ	0.00019 J	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0073 J	0.0076 J	0.007 J	0.0065 J	0.0074 J	0.0062 J	0.0076 J	< 0.1 U	0.0069 J	0.0069 J
Radium-226	NA	pci/l	1.38	2.64 J+	1.21	1.17	1.21	1.26 J	0.969 J	1.18	1.02	0.938
Radium-226/228	NA	pci/l	3.56	5.96 J+	3.85	3.51	3.61	3.08 J	3.89 J-	3.84	4.46	4.16
Radium-228	NA	pci/l	2.18	3.32	2.64	2.34 J-	2.4	1.82 J	2.92 J-	2.65	3.44	3.22
Selenium	NA	mg/l	2.1	2.4	2.5	1.8	2.6	1.9	2.1	1.9	2.2	2.4
Thallium	NA	mg/l	0.0096	0.01	0.0099	0.0091	0.0098	0.01	0.0098	0.012	0.0099	0.0097
Total Suspended Solids	NA	mg/l	110	25	15	55	14	53 J	57 J	24	4.4	4
Other												
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	1500	1500	1500	1700	1700	1700	1700	1700	NT	1700 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	1500	1500	1500	1700	1700	1700	1700	1700	NT	1700 HB
Magnesium	NA	mg/l	3600	3300 B	3600	3200	3300	3600	3800	3800	NT	3700
Potassium	NA	mg/l	68	64	70 F1	67	63	68	71	71	NT	69
Sodium	NA	mg/l	7400	6700 B	7500	6700	7700	7200	8200	7600	NT	7600 B

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	MW-3																											
		Sample Date:	12/17/2015	2/29/2016	5/3/2016	8/24/2016	11/8/2016	2/14/2017	5/10/2017	7/6/2017	8/14/2017	9/13/2017	10/16/2017	10/30/2017	11/13/2017	11/28/2017	12/4/2017	12/18/2017	3/4/2020	8/27/2020	9/9/2020	9/23/2020	10/7/2020	10/20/2020	11/5/2020	11/19/2020	12/2/2020	1/12/2021	4/8/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Location Type:	Landfill Monitor Well																										
		Event:	2015_Q4	2016_Q1	2016_Q2	2016_Q3	2016_Q4	2017_Q1	2017_Q2	2017_Q3	2017_Cell2_R1	2017_Cell2_R2	2017_10	2017_10	2017_11	2017_11	2017_12	2017_12	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	Landfill BTVs for Detection Monitoring*	Unit																											
Field Parameters																													
Conductivity (field)	NA	us/cm	39150	38810.5	42303	31573	45544	370.2	NM	30615	36156	39807	41446	44800	44167	52677	44213	41853	NM	33177	34208	35794	36373	35776	36309	36224	34922	31078	34349
Oxidation-reduction Potential (field)	NA	mv	212.2	246.6	160.9	270.5	158.9	148.8	NM	138.8	61.5	115	145	122.8	172	108.5	100.3	154.7	NM	110.6	117.7	157.9	178.2	227.5	202.9	140.9	209	147.2	196.5
pH (field)	LPL 6.08 UPL 7.67	su	7.06	7.32	7.41	6.77	6.67	7.43	NM	6.86	6.63	6.58	6.56	6.73	7.17	6.71	6.66	6.59	NM	6.78	6.95	6.89	6.55	6.66	6.66	6.66	6.75	6.94	6.79
Temperature (field)	NA	deg c	9.7	16.04	14.3	18.3	18.8	15.2	NM	19.3	20.3	19.6	19.6	13.65	17.48	14.4	12.5	15	NM	19.1	18.2	18.6	18.5	18.3	17.3	18.7	12.4	10.3	12
Turbidity (field)	NA	ntu	115	7.78	1.5	30.4	10.8	NM	NM	24.4	72.3	67.3	20.1	29.5	11.5	23.1	19	13.9	NM	48.1	5.71	103	81.1	0.02	38.9	4.74	4.92	0.02	3.78
Appendix III																													
Boron	6.9	mg/l	0.51	0.55	0.47 J+	0.33	2.2	2	3.3	2.6 J+	2.9	2.9 J+	3.5	2.6	2.9	6.9	2.9	2.9	4.9	3	1.8	2.7	2.8	2.8	2.6	3.2	5.2	2.2	4.2
Calcium	480	mg/l	390	440	460 J-	450	270 J	430	470	420 J	450	300	140	420	120	120	360	170	72	290	390	260	390	400	130	140	400	160	360
Chloride	3,000	mg/l	360	350	300 J-	340	340	350	340	350 J	340	350	320	350	330	460	370	330	320	350	270	310	380	360	140	270 J	170	360	320
Fluoride	84	mg/l	< 5 U	< 5 U	1.3 J-	< 10 U	< 5 U	< 5 U	< 1 U	0.39 J	< 2.5 U	< 2.5 U	< 5 U	< 10 U	< 50 U	< 25 U	< 5 U	< 5 U	< 2.5 U	< 10 U	84	47	53	82	42	76 J	< 0.5 U	< 2.5 U	49
pH (lab)	NA	su	7.1 J	7.42 J	7.17 J	6.8 J	7 J	7.4 J	7.3 J	7.4 J	7.5 J	7.1 J	7.2 J	7.2 J	7.1 J	7.2 J	7.2 J	7.2 J	7 J	6.9 J	7 J	6.9 J	6.9 J	7 J	7 J	7.1 J	6.8 J	7.2 J	7.2 J
Sulfate	48,000	mg/l	47000	48000	45000 J-	43000	42000	44000	42000	42000 J	42000	42000	41000	41000	40000	45000	42000	42000	39000	40000	37000	35000	42000	38000	39000	33000 J	39000	36000	69000
Total Dissolved Solids	120,000	mg/l	66000 J	62000	58000 J-	59000	60000 J	77000 J	62000	63000 J	67000	43000	61000	62000	61000	52000	55000	59000	51000 J+	58000	53000	59000	57000	60000 J	58000	110000 J	120000	51000	56000
Appendix IV																													
Antimony	NA	mg/l	0.00064 J+	0.00032 J	0.00044 J-	0.00066 J+	< 0.02 U	0.00097 J+	0.007 J	< 0.04 UJ	< 0.02 U	< 0.02 U	0.00057 J	< 0.002 U	< 0.002 U	< 0.002 U	0.005 J	0.00066 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.004 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.002 U	0.0012 J+
Arsenic	NA	mg/l	0.15	0.16	0.15 J-	0.21	0.11	0.18	0.12	0.1 J	0.094	0.13	0.14	0.089	0.021	0.0079	0.012 J	0.0042 J	0.0082	0.0065	0.0061	0.0097	0.0058 J	0.0053	< 0.025 U	0.0069 J	< 0.05 U	0.0052	0.0074
Barium	NA	mg/l	0.037	0.027 J+	0.016 J-	0.026	0.021 J	0.024	0.023 J	< 0.1 UJ	< 0.05 U	0.027 J	0.02	0.017	0.016	0.016	0.026	0.021	0.012	0.013	0.017	0.016	0.02	0.015	0.012 J	0.013 J	< 0.05 U	0.01	0.012
Beryllium	NA	mg/l	0.00022 J+	< 0.005 U	< 0.001 UJ	0.00045 J+	< 0.01 U	< 0.001 U	0.0046 J	< 0.001 UJ	< 0.01 U	< 0.01 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.017 J+	0.0065	0.014 J+	0.023 J+	0.02	0.0038	0.011	0.025 J	0.018	0.02	0.018	0.016	0.016	0.015	0.016	0.016	0.0046	0.011	0.017	0.019	0.017	0.017	0.016 J+	0.015	0.017	0.014	0.0091
Chromium, Total	NA	mg/l	0.0044	0.0073 J+	0.0023 J-	0.0056	< 0.02 U	0.0055 J	< 0.02 U	< 0.04 UJ	< 0.02 U	< 0.02 U	0.0032	0.039	0.0068	0.0012 J	0.059	0.038	0.0021	0.0024	0.002 J+	0.0018 J	< 0.004 U	0.028	< 0.01 U	0.0091 J	< 0.02 U	< 0.002 U	0.00099 J+
Cobalt	NA	mg/l	0.037 J+	0.015	0.022 J+	0.025 J+	0.028	0.013 J+	0.02	0.031 J	0.018	0.033	0.035	0.032	0.028	0.025	0.039	0.027	0.032	0.023	0.026	0.034	0.035	0.034	0.02	0.044	0.043	0.051	0.036
Fluoride	NA	mg/l	< 5 U	< 5 U	1.3 J-	< 10 U	< 5 U	< 5 U	< 1 U	0.39 J	< 2.5 U	< 2.5 U	< 5 U	< 10 U	< 50 U	< 25 U	< 5 U	< 5 U	< 2.5 U	< 10 U	84	47	53	82	42	76 J	< 0.5 U	< 2.5 U	49
Lead	NA	mg/l	0.0017 J+	0.0026 J+	0.00078 J-	0.0017 J+	< 0.01 U	0.0012 J+	0.0092 J	< 0.02 UJ	< 0.01 U	< 0.01 U	0.0018	0.0021	0.00094 J	< 0.001 U	0.0024 J	0.0019	0.00082 J	< 0.001 U	0.00074 J	0.00088 J	< 0.002 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	2.1	1.8	2.3 J+	6.3	2.8	3.4	2.7	3.6 J	2.7	2.6	2.6	2.7	3.2	2.1	2.5	3.2	2.1	2.1	1.7	1.9	2	1.9	2.2	2.1	2.1	2.1	2.2
Mercury	NA	mg/l	0.00012 J	0.000077 J	0.000065 J-	0.000093 J	0.000077 J	0.000035 J	0.000052 J	0.000092 J	0.00005 J	0.00013 J+	0.000072 J	0.000097 J	0.000062 J	0.00007 J	0.00008 J	0.000098 J	< 0.0002 U	0.00016 J	< 0.0002 UJ	0.00018 J	< 0.0002 UJ	0.00024 J	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0054 J	0.0081 J+	0.0043 J+	0.0062 J+	0.0077 J	0.0046 J+	< 0.1 U	< 0.2 UJ	< 0.1 U	< 0.1 U	0.0054 J	0.013	0.0069 J	0.0057 J	0.011 J	0.014	0.0028 J	0.0027 J	0.0043 J	0.0049 J	0.0042 J	0.0044 J	< 0.05 U	0.0094 J	< 0.1 U	0.0036 J	0.0031 J
Radium-226	NA	pci/l	1.04	0.479	0.929 J-	0.741	0.817	NT	0.365	0.65 J	1.71	0.918	0.963	1.03	1.13 J+	0.746	1.02	1.53	0.583	0.639	2.26 J+	1.56	0.175 U	0.904	0.402 J	1.06 J	1.12	1.34	1.14
Radium-226/228	NA	pci/l	4.62 J	0.53 U	2.44 J-	2.02	1.92	NT	1.05	0.919 J	2.72	1.68	2.91	2.63	2.95	1.57	2.48	3.35	1.36	1.42	3.19 J+	2.05	0.972	1.94	1.2 J	2.58 J-	2.14	2.48	2.35
Radium-228	NA	pci/l	3.58	0.0511 U	1.51 UJ	1.28 J+	1.11 J+	NT	0.688	0.269 UJ	1.02 U	0.76	1.94 J+	1.61	1.82	0.827 J+	1.46	1.82	0.776 U	0.778	0.927 J	0.493 U	0.798 J-	1.03	0.8 J	1.51 J-	1.02	1.14	1.21
Selenium	NA	mg/l	2.2	2	2.7 J-	2.9	1.5	1.8	1.2	0.98 J	0.79	1.1	1.2	1.5	1.2	0.99	1.1	2.1	0.62	0.53	0.76	0.94	0.63	0.75	0.47	0.56	0.46	0.61	0.64
Thallium	NA	mg/l	0.0045 J+	0.0021	0.0038 J+	0.0047 J+	0.0053 J	0.0026 J	0.0047 J	0.004 J	0.0076 J	0.0066 J	0.0052	0.0056	0.0056	0.0043	0.0054	0.0053	0.0026	0.0031	0.0042	0.0045	0.0044	0.0044	0.0045 J	0.0045 J	0.0052 J	0.0037	0.0023
Total Suspended Solids	NA	mg/l	53	15	8.8 J-	51	64	32	37	500 J	26	190	38	46	30	15	62	41	18	78	39	80	48	20	70	63 J	27	12	14
Other																													
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	770	780	770	860	900	800	820	770	NT	840 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	770	780	770	860	900	800	820	770 B	NT	840 HB
Magnesium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5600	5100 B	5300	5400	5400	5400	5400	5300	NT	5600
Potassium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	53	52	56	60	57	57	57	55	NT	51
Sodium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6600	6000 B	6200	6400	7300	6300	6900	6300	NT	6500 B

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	MW-4B									
		Sample Date:	8/26/2020	9/10/2020	9/23/2020	10/7/2020	10/21/2020	11/4/2020	11/20/2020	12/3/2020	1/13/2021	4/13/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N
		Location Type:	Landfill Monitor Well									
		Event:	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**Landfill BTVs for Detection Monitoring***	**Unit**										
Field Parameters												
Conductivity (field)	NA	us/cm	6114	6287	6244	6503	6363	6736	6737	6200	5799	5747
Oxidation-reduction Potential (field)	NA	mV	151.1	161.5	107.7	208.3	209.6	153.7	71	154.5	160.2	163.2
pH (field)	LPL 6.08 UPL 7.67	su	6.97	6.94	6.91	6.73	6.74	6.76	6.9	6.84	6.82	6.74
Temperature (field)	NA	deg c	17.9	14.2	19.2	17	17	15.1	15.1	13.8	13.2	14
Turbidity (field)	NA	ntu	7.86	7.39	1.24	3.9	7.9	8.86	4.68	5.03	1.14	4.83
Appendix III												
Boron	6.9	mg/l	0.59	0.46	0.52	0.59	0.61	0.55	0.61	0.56	0.49	0.49
Calcium	480	mg/l	590	540	540	530	570	550	510	550	510	510
Chloride	3,000	mg/l	200	150	190	190 J	190	150 J	200 J	190	200	200
Fluoride	84	mg/l	0.38 J	1.7 J	6.5	5.2	5.5	1.9 J	6.2 J	0.25 J	0.17 J	0.39 J
pH (lab)	NA	su	7 J	7.1 J	7 J	7 J	7.2 J	7 J	7.6 J	7.1 J	7.1 J	7.1 J
Sulfate	48,000	mg/l	3000	2500	2500	2700	2900	2900 J	2500 J	2700	3000	2900
Total Dissolved Solids	120,000	mg/l	6500 J	7600	6700	6300	6400	6400 J	6100 J	5900	5900	5100
Appendix IV												
Antimony	NA	mg/l	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.0006 J
Arsenic	NA	mg/l	0.02	0.015	0.019	0.018	0.019	0.019	0.018	0.018	0.014	0.01
Barium	NA	mg/l	0.033	0.025	0.018	0.025	0.024	0.022	0.024	0.022	0.024	0.021
Beryllium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.00038 J	0.00022 J	0.0002 J+	< 0.001 U	0.00021 J+	0.00023 J+	0.0002 J+	< 0.001 U	0.00027 J+	0.00022 J+
Chromium, Total	NA	mg/l	0.0014 J	0.0033	< 0.002 U	< 0.002 U	0.0011 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.0012 J+
Cobalt	NA	mg/l	0.0018	0.002	0.0016	0.0024	0.0025	0.0026	0.003	0.0025	0.0036	0.0041
Fluoride	NA	mg/l	0.38 J	1.7 J	6.5	5.2	5.5	1.9 J	6.2 J	0.25 J	0.17 J	0.39 J
Lead	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	0.31	0.36	0.41	0.37	0.44	0.43	0.44	0.44	0.54	0.66
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	0.00013 J	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.015	0.016	0.014	0.017	0.017	0.016	0.016	0.016	0.017	0.015
Radium-226	NA	pci/l	0.668	1.21 J+	0.971	0.367 U	0.481	0.459	0.247 UJ	0.484	0.574	0.548
Radium-226/228	NA	pci/l	1.15	1.6 J+	1.68	0.648	0.855	0.921	0.612 UJ	0.833	0.973	0.82
Radium-228	NA	pci/l	0.483	0.391 U	0.707	0.281 UJ	0.374 U	0.461	0.365 U	0.349 U	0.4 U	0.272 U
Selenium	NA	mg/l	2.6	2.6	2.6	2.6	2.7	2.4	2.3	2.6	2.3	1.8
Thallium	NA	mg/l	0.00029 J	0.00028 J	0.00023 J	< 0.001 U	0.00031 J	0.00027 J	0.00024 J	< 0.001 U	< 0.001 U	0.00038 J
Total Suspended Solids	NA	mg/l	36	9.2	9.6	10	9.2	16 J	18 J	12	4	3.6 J
Other												
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	250	270	270	290	350 B	310	400	320	NT	580 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	250	270	270	290	350 B	310	400	320 B	NT	580 H
Magnesium	NA	mg/l	220	240 B	230	210	230	230	240	250	NT	270
Potassium	NA	mg/l	14	16	15	14	16	15	17	17	NT	19
Sodium	NA	mg/l	810	840 B	800	740	860	780	850	850	NT	850

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	MW-5																	
		Sample Date:	9/13/2017	10/16/2017	10/30/2017	11/13/2017	11/28/2017	12/4/2017	12/18/2017	3/4/2020	8/26/2020	9/9/2020	9/23/2020	10/7/2020	10/20/2020	11/5/2020	11/20/2020	12/3/2020	1/12/2021	4/12/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Location Type:	Landfill Monitor Well																	
		Event:	2017_Cell2_R2	2017_10	2017_10	2017_11	2017_11	2017_12	2017_12	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**Landfill BTVs for Detection Monitoring***	**Unit**																		
Field Parameters																				
Conductivity (field)	NA	us/cm	NM	NM	NM	NM	35843	NM	28578	NM	24434	24757	24696	25350	25302	25703	25445	24812	21766	32.371 **
Oxidation-reduction Potential (field)	NA	mV	NM	NM	NM	NM	100.3	NM	161.8	NM	83.6	130.6	109.1	114.4	251.5	197.8	73.2	197.2	181.1	81.8
pH (field)	LPL 6.08 UPL 7.67	su	NM	NM	NM	NM	6.88	NM	6.9	NM	6.75	6.86	7.04	6.79	6.85	6.91	7	6.9	6.9	6.78
Temperature (field)	NA	deg c	NM	NM	NM	NM	14.2	NM	17.1	NM	18.4	13.9	16.7	16.1	16.2	16.4	19	11.2	13.2	17.9
Turbidity (field)	NA	ntu	NM	NM	NM	NM	8.55	NM	8.91	NM	5.56	8.91	1.93	2.49	0.02	0.02	2.64	2.31	0.02	9.8
Appendix III																				
Boron	6.9	mg/l	2 J+	2.1	1.8	1.7	3.4	1.8	1.7	2.9	1.7	1.2	1.6	1.7	1.8	1.8	2.1	1.7	1.3	1.3
Calcium	480	mg/l	480	180	450	340	270	430	400	180	470	390	240	370	400	430	400	350	210	370
Chloride	3,000	mg/l	1600	1500	1600	1600	3000	1600	1600	1500 U	1600 J	1700	1400	1500	1600	1700	1700 J	1800	1600	1600
Fluoride	84	mg/l	< 2.5 U	0.86	< 5 U	< 50 U	< 25 U	< 5 U	< 5 U	< 5 UJ	< 10 U	50	37	38	28	44	36 J	5.5	< 10 U	0.81
pH (lab)	NA	su	7.5 J	7.6 J	7.4 J	7.3 J	7.5 J	7.5 J	7.4 J	7.3 J	7.1 J	7.3 J	7.3 J	7.2 J	7.3 J	7.2 J	7.4 J	7.1 J	7.3 J	7.3 J
Sulfate	48,000	mg/l	17000	18000	17000	17000	18000	18000	18000	19000	19000	17000	18000	18000	18000	18000	19000 J	18000	18000	19000
Total Dissolved Solids	120,000	mg/l	26000	30000	29000	29000	25000	25000	30000	31000 J+	31000 J	16000	40000	31000	36000 J	29000	57000 J	61000	24000	28000
Appendix IV																				
Antimony	NA	mg/l	0.0073 J	0.0036	0.0036	0.0034	0.0029	0.0032 J	0.0024	0.0016 J	0.0014 J	0.0012 J	0.00091 J	0.00076 J	0.00094 J	< 0.01 U	< 0.004 U	< 0.02 U	0.00084 J	0.001 J
Arsenic	NA	mg/l	0.065	0.031	0.026	0.011	0.0059	0.0047 J	0.0032 J	0.0047 J	0.0038 J	0.0037 J	0.003 J	0.0012 J	0.0047 J	< 0.025 U	0.0046 J	< 0.05 U	0.0033 J	0.0024 J
Barium	NA	mg/l	0.23	0.055	0.059	0.12	0.055	0.054	0.04	0.032	0.026	0.035	0.033	0.039	0.025	0.023 J	0.024	0.024 J	0.024	0.023
Beryllium	NA	mg/l	< 0.005 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.005 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.005 U	< 0.002 U	< 0.01 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.0023 J	0.001	0.001	0.0014	0.00077 J	0.00082 J	0.00068 J	0.00041 J	0.0007 J	0.00062 J	0.00052 J+	0.00059 J+	0.00053 J+	< 0.005 U	0.00045 J+	< 0.01 U	0.00063 J+	0.00064 J+
Chromium, Total	NA	mg/l	0.027	0.0092	0.031	0.22	0.063	0.029	0.026	0.0056	0.03	0.011	0.0017 J	0.0015 J	0.0053	0.0049 J	< 0.004 U	< 0.02 U	0.0025	0.0065
Cobalt	NA	mg/l	0.0058	0.0016	0.0017	0.0052	0.0022	0.0014 J	0.0016	0.0058	0.0056	0.005	0.0033	0.0033	0.0027	0.0015 J	0.002	< 0.01 U	0.0039	0.002
Fluoride	NA	mg/l	< 2.5 U	0.86	< 5 U	< 50 U	< 25 U	< 5 U	< 5 U	< 5 UJ	< 10 U	50	37	38	28	44	36 J	5.5	< 10 U	0.81
Lead	NA	mg/l	0.012	0.00078 J	0.0012	0.0058	< 0.001 U	< 0.002 U	0.00059 J	< 0.001 U	< 0.001 U	0.00051 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.005 U	< 0.002 U	< 0.01 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	3.6	3.1	3.4	3	3	2.8	3.9	3	2.7	2.5	3	2.6	2.9	3.1	2.8	3.3	3.5	3
Mercury	NA	mg/l	0.0001 J+	< 0.0002 U	0.00003 J	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	0.00014 J	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.057 J+	0.025	0.034	0.072	0.04	0.022	0.019	0.014	0.016	0.0094 J	0.0078 J	0.0081 J	0.008 J	0.0062 J	0.0073 J	< 0.1 U	0.0081 J	0.01
Radium-226	NA	pci/l	0.243	0.93	0.102	0.236 J+	0.121	0.399	0.26	0.0255 U	0.229	0.862 J+	0.146 U	0.343 U	0.0827 U	0.109 UJ	0.0477 UJ	0.0485 U	0.083 U	0.14 U
Radium-226/228	NA	pci/l	0.903	2.22	0.84	0.798	0.301 U	0.909	0.18 U	0.841	0.972	1.33 J+	0.261 U	0.338 U	0.56	0.564 J	0.755 J	0.278 U	0.544 U	0.287 U
Radium-228	NA	pci/l	0.66	1.29 J+	0.738	0.562 J+	0.18 U	0.51	-0.0797 U	0.816	0.743 U	0.473 UJ	0.115 U	-0.00508 UJ	0.477 U	0.454 J	0.707 J+	0.229 U	0.461 U	0.148 U
Selenium	NA	mg/l	0.47	0.25	0.37	0.22	0.25	0.23	0.46	0.19	0.14	0.17	0.19	0.16	0.19	0.18	0.18	0.2	0.16	0.13
Thallium	NA	mg/l	< 0.005 U	0.00023 J	0.00025 J	< 0.005 U	< 0.001 U	< 0.002 U	0.00021 J	0.00062 J	0.00087 J	0.00099 J	0.0011	0.0011	0.0012	0.0018 J	0.0016 J	< 0.01 U	0.0018	0.0018
Total Suspended Solids	NA	mg/l	40	22	80	26	15	39	27	21	41	22	49	39	27	30	37 J	33	18	32
Other																				
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	1300	1300	1300	1400	1500	1400	1400	1400	NT	1400 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	1300	1300	1300	1400	1500	1400	1400	1400	NT	1400 HB
Magnesium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	2200	2000 B	2000	1700	2200	2000	2100	2200	NT	2100
Potassium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	39	36	37	32	40	36	40	40	NT	38
Sodium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	5200	4700 B	4700	4300	5800	4800	5200	5200	NT	5000

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

Sample Location:			MW-5																															
Sample Date:			8/14/2017	9/12/2017	9/12/2017	10/16/2017	10/16/2017	10/30/2017	10/30/2017	11/13/2017	11/13/2017	11/28/2017	11/28/2017	12/4/2017	12/4/2017	12/18/2017	12/18/2017	3/5/2020	8/27/2020	9/9/2020	9/9/2020	9/24/2020	9/24/2020	10/7/2020	10/7/2020	10/20/2020	11/4/2020	11/20/2020	12/3/2020	1/12/2021	1/12/2021	4/9/2021
Sample Type:			N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	FD	N
Location Type:			Landfill Monitor Well																															
Event:			2017_Cell2_R2	2017_Cell2_R2	2017_Q_08-05	2017_10	2017_10	2017_10	2017_10	2017_11	2017_11	2017_11	2017_11	2017_12	2017_12	2017_12	2017_12	2020_03	2020_09_R1	2020_09_R2	2020_09_R2	2020_09_R3	2020_09_R3	2020_10_R4	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_01	2021_04
Constituent	Landfill BTVs for Detection Monitoring*	Unit																																
Field Parameters																																		
Conductivity (field)	NA	us/cm	6779	7665	7665	7808	7808	8734	8734	8326	8326	10131	10131	8396	8396	7948	7948	6902	6303	6359	6359	6667	6667	6919	6919	6895	7075	6983	6456	5954	5954	6800
Oxidation-reduction Potential (field)	NA	mV	70.6	-116	-116	117.7	117.7	84.3	84.3	86.2	86.2	7.8	7.8	57.7	57.7	93.4	93.4	144.6	118.5	92.5	92.5	148.8	148.8	172.6	172.6	116.1	141.3	54.1	124.8	143.1	143.1	189.6
pH (field)	LPL 6.08 UPL 7.67	su	7.5	7.57	7.57	7.47	7.47	7.55	7.55	7.32	7.32	7.45	7.45	7.48	7.48	7.51	7.51	7.26	7.45	7.45	7.45	7.37	7.37	7.26	7.26	7.31	7.42	7.42	7.4	7.42	7.42	7.32
Temperature (field)	NA	deg c	18.1	16.8	16.8	16.6	16.6	14.13	14.13	16.51	16.51	13.9	13.9	13.9	13.9	15.4	15.4	15.1	16.9	14.7	14.7	16	16	16.8	16.8	16.1	16.1	14.2	14.4	13.9	13.9	14.1
Turbidity (field)	NA	ntu	5.39	1.25	1.25	6.82	6.82	3.85	3.85	2.26	2.26	0.02	0.02	1.67	1.67	0.02	0.02	2.37	5.81	4.17	4.17	1.19	1.19	1.5	1.5	0.56	7.98	3.81	3.01	0.02	0.02	2.81
Appendix III																																		
Boron	6.9	mg/l	3	2.8 J+	2.8 J+	3	3	2.8	2.8	2.8	2.8	3	3.1	2.7	2.7	2.6	2.6	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.4	2.1	2.1	2.2	2
Calcium	480	mg/l	450	450	430	430	430	420	420	420	410	430	420	410	420	450	450	78	500	420	430	440	430	390	410	420	420	420	410	410	430	430	460
Chloride	3,000	mg/l	270	240	240	280 J	220 J	230	230	220	220	330 J	250 J	210	210	200	200	200	250	210	210	190	180	230 J	240 J	290	200 J	250 J	250	260	260	220 J
Fluoride	84	mg/l	0.62	0.63	0.61	0.62	0.67	0.66 J	0.66 J	< 25 U	< 25 U	< 10 U	< 10 U	0.66 J	0.66 J	0.72	0.68 J	< 2.5 U	< 10 U	8.5 J	8.3 J	7.8	7.6	6.3	6.3	4.7	0.45 J	1.8 J	0.27 J	0.25 J	0.26 J	1.1
pH (lab)	NA	su	7.9 J	7.7 J	7.8 J	7.8 J	7.8 J	7.7 J	7.7 J	7.7 J	7.8 J	7.9 J	7.8 J	7.9 J	7.9 J	7.7 J	7.8 J	7.5 J	7.4 J	7.5 J	7.6 J	7.5 J	7.5 J	7.5 J	7.5 J	7.4 J	7 J	7.6 J	7.5 J	7.6 J	7.6 J	7.6 J
Sulfate	48,000	mg/l	4400	4500	4400	5600 J	4500 J	4400	4400	4300	4400	4500	4500	4300	4300	4200	4400	3800	4300 J+	3000	3500	3500	3900	3800	4000	4200	3500 J	3700 J	4100	4200	4100	3500
Total Dissolved Solids	120,000	mg/l	7400	6600	6700	7100	7200	7200	7200	6900	6700	8200	6700	6800	6900	7100	7100	6500 J+	7600	7200	6900	7100	7100	6500	6900	7000	8600 J	6000 J	6400	6100	6300	7400
Appendix IV																																		
Antimony	NA	mg/l	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
Arsenic	NA	mg/l	0.077	0.12	0.12	0.13	0.12	0.1	0.095	0.0889	0.0095	0.0098	0.0094	0.006 J	0.0074 J	0.0078 J	0.0058 J	0.0079	0.0098	0.0083	0.0074	0.0082	0.0077	0.011	0.012	0.0075	0.009	0.0093	0.011	0.0088	0.0056	0.0092
Barium	NA	mg/l	0.017	0.011	0.0098	0.011 J	0.015 J	0.01	0.011	0.0097	0.0091	0.017 J	0.011 J	0.0079 J	0.01 J	0.0074	0.0081	0.0062	0.0074	0.0064	0.0069	0.0071	0.0069	0.0062	0.0064	0.0072	0.0076	0.0092	0.0078	0.0067	0.0069	0.0068
Beryllium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00029 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Chromium, Total	NA	mg/l	< 0.002 U	0.001 J	< 0.002 U	0.002	0.0022	0.0011 J	0.0014 J	0.0016 J	0.0017 J	0.034 J	0.37 J	0.0011 J+	0.0013 J+	< 0.002 U	< 0.002 U	0.00099 J	0.002	0.0019 J+	0.0019 J+	< 0.002 U	0.0013 J	0.0011 J	0.0012 J	0.0014 J	0.0014 J	0.0012 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
Cobalt	NA	mg/l	0.00057 J	0.00031 J	0.00031 J	0.00045 J	0.00046 J	0.00043 J	0.00032 J	0.00041 J	0.00042 J	0.00095 J	0.0052 J	0.00025 J	0.00029 J	0.00025 J	0.00027 J	0.00033 J	0.0006 J	0.00056 J	0.00057 J	0.00059 J	0.00057 J	0.00048 J	0.00051 J	0.00052 J	0.00078 J	0.00071 J	0.00066 J+	0.00064 J	0.00063 J	0.00062 J
Fluoride	NA	mg/l	0.62	0.63	0.61	0.62	0.67	0.66 J	0.66 J	< 25 U	< 25 U	< 10 U	< 10 U	0.66 J	0.66 J	0.72	0.68 J	< 2.5 U	< 10 U	8.5 J	8.3 J	7.8	7.6	6.3	6.3	4.7	0.45 J	1.8 J	0.27 J	0.25 J	0.26 J	1.1
Lead	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	0.00048 J	0.00063 J	0.00074 J	< 0.001 U	< 0.001 U	< 0.001 U	0.00062 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	0.19	0.19	0.19	0.19	0.19	0.21 J+	0.2	0.22	0.22	0.2	0.21	0.19	0.19	0.23	0.22	0.2	0.17	0.21	0.2	0.21	0.22	0.19	0.2	0.19	0.21	0.17	0.19	0.22	0.21	0.18
Mercury	NA	mg/l	< 0.0002 U	0.00009 J+	0.00003 J+	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0099 J	0.01	0.0098 J	0.0088 J	0.0087 J	0.0095 J	0.009 J	0.0098 J	0.0093 J	0.017 J	0.083 J	0.011	0.0095 J	0.01	0.01	0.0094 J	0.0097 J	0.01	0.01	0.0098 J	0.0097 J	0.009 J	0.0093 J	0.01	0.0097 J	0.0094 J	0.01	0.0099 J	0.0099 J	0.0092 J
Radium-226	NA	pci/l	0.249	0.145 J	0.107 J	0.115	0.124	0.149	0.169 J	0.0913 U	0.235 J+	0.177	0.215	0.0864 U	0.12	0.168 J	0.132 J	0.369	0.381	1.06 J+	0.775 J+	0.343 J+	0.342 J+	0.199 U	0.205 U	0.26	0.177 U	0.65 J-	0.311 U	0.424	0.516	0.374
Radium-226/228	NA	pci/l	0.846	0.484	0.34	0.346 U	0.315 U	0.12 U	0.248 U	0.325 U	0.452	0.529	0.637	0.0902 U	0.324 U	0.39	0.463	0.994	0.93	2.12 J+	1 J+	0.648 J+	0.788 J+	0.39 U	0.472	0.841	0.615	0.507 UJ	0.647	0.775 J	0.536 UJ	0.641
Radium-228	NA	pci/l	0.597	0.338 J	0.233 UJ	0.23 U	0.19 U	-0.0288 U	0.0543 U	0.234 U	0.216 U	0.352 U	0.422 J+	0.00381 U	0.204 U	0.222 U	0.332 U	0.625	0.549	1.06 J	0.229 UJ	0.305 U	0.446 U	0.191 UJ	0.267 UJ	0.582	0.438	-0.143 U	0.336 U	0.352 U	0.0199 U	0.267 U
Selenium	NA	mg/l	0.66	1.1	1	1.1	1	1.3	1.4	1.2	1.2	1.2	1.2	1.2	1.3	1.6	1.5	0.93	1.1	1	1.1	1.1	1.1	1	1	1.1	1.1	1	1.1	1.1	1.1	1
Thallium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Total Suspended Solids	NA	mg/l	12	5.6 J+	5.6 J+	20 J	29 J	18 J	12 J	10 J	7.6 J	59 J	37 J	16	14	16	3.2 J	3.2 J	17	1.6 J	1.6 J	8	5.6	7.2	4.8	31	10 J	31 J	11	8.8 J	1.6 J	2 J
Other																																		
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	130	140	140	140	140	150	150	150 B	140	150	130	NT	NT	140 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	130	140	140	140	140	150	150	150 B	140	150	130 B	NT	NT	140 HB
Magnesium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	350	330 B	360 B	340	360	300	330	350	320	390	370	NT	NT	360
Potassium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	9.8	9.2	10	9.2	9.7	8.6	9.4	9.8	8.8	11	10	NT	NT	8.9
Sodium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	930	860 B	960 B	880	940	810	870	1000	840	1000	960	NT	NT	940

Notes:

*95 UPLs based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	W-1											
		Sample Date:	3/5/2020	3/24/2020	9/4/2020	9/9/2020	10/2/2020	10/15/2020	10/29/2020	11/11/2020	11/25/2020	12/11/2020	1/14/2021	4/19/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
		Location Type:	Bottom Ash Pond Monitor Well											
		Event:	2020_03	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**												
Field Parameters														
Conductivity (field)	NA	us/cm	NM	NM	NM	NM	NM	31854	32220	30639	31586	31358	31855	33.117 **
Oxidation-reduction Potential (field)	NA	mV	NM	NM	NM	NM	NM	234	78.3	216.9	107.8	204.7	152.3	14.7
pH (field)	LPL 6.20 UPL 6.75	su	NM	NM	NM	NM	NM	7.12	7.1	7.09	7.19	7.12	7.37	7.27
Temperature (field)	NA	deg c	NM	NM	NM	NM	NM	18.2	17	17.7	16.4	15.8	16.1	184.4
Turbidity (field)	NA	ntu	NM	NM	NM	NM	NM	4.71	19.2	10.8	NM	68.3	3.8	200
Appendix III														
Boron	4.00	mg/l	8.1	NT	5.4	4.4	4.3	4.9	6.5	4.6	4.5	4.2	4.1	5.5
Calcium	711.0	mg/l	170	NT	260	370	390	400	420	420	140	150	420	410
Chloride	905.0	mg/l	990	NT	860	790	780	700	770	690	800 J	740	760	770
Fluoride	676.0	mg/l	46	NT	28	28	18	41	3.1	3.3 J	3.2 J	3.2 J	3.1 J	2.9
pH (lab)	NA	su	7.4 J	NT	7.4 J	7.3 J	7.4 J	7.4 J	7.4 J	7.6 J	7.4 J	7.4 J	7.3 J	7.4 J
Sulfate	90,421	mg/l	35000	NT	36000 J	34000	12000	30000	24000	24000	25000	27000	29000	24000
Total Dissolved Solids	220,270	mg/l	87000 J+	NT	57000	21000	9000	16000	43000	35000 J	66000	75000	42000	42000
Appendix IV														
Antimony	NA	mg/l	0.00072 J	NT	0.00066 J	0.00066 J	0.00071 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.02 U	< 0.02 U	< 0.01 U
Arsenic	NA	mg/l	0.017	NT	0.013	0.0098	0.01	0.0078	0.0084	0.0094	0.0071	0.01 J	< 0.05 U	0.012 J
Barium	NA	mg/l	0.056	NT	0.092	0.065	0.03	0.021	0.021	0.035	0.034	< 0.05 U	< 0.05 U	0.014 J
Beryllium	NA	mg/l	< 0.001 U	NT	0.00041 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 UJ	< 0.001 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.005 U
Cadmium	NA	mg/l	< 0.001 U	NT	0.00046 J	0.00036 J	0.00058 J+	0.00031 J	0.00039 J+	0.00038 J+	0.0005 J+	< 0.01 U	< 0.01 U	< 0.005 U
Chromium, Total	NA	mg/l	0.01	NT	0.02 J+	0.011	0.0034	0.0018 J	0.0017 J	0.0034	0.0041	< 0.02 U	< 0.02 U	< 0.01 U
Cobalt	NA	mg/l	0.0036	NT	0.0034	0.0029	0.0017	0.0012	0.0014	0.0019	0.0018	< 0.01 U	< 0.01 U	< 0.005 U
Fluoride	NA	mg/l	46	NT	28	28	18	41	3.1	3.3 J	3.2 J	3.2 J	3.1 J	2.9
Lead	NA	mg/l	< 0.001 U	NT	0.0064	0.0036	0.0018	0.00058 J	0.00098 J	0.0014	0.0016	< 0.01 U	< 0.01 U	< 0.005 U
Lithium	NA	mg/l	2.4	NT	1.7	1.7	2.2	2.1	2	2.2	2.1	2	2.1	2.1
Mercury	NA	mg/l	< 0.0002 U	NT	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.028	NT	0.027	0.029	0.027	0.02	0.019	0.018	0.016	0.019 J	0.021 J	0.021 J
Radium-226	NA	pci/l	NT	0.72	0.385	2.15 J+	0.519	0.354	0.815 J+	0.524 J	1	1.09	0.604	0.541
Radium-226/228	NA	pci/l	NT	2.02	1.59	4.75 J+	2.8	2.04	1.97	1.11 J	1.62	2.19	0.899	1.91
Radium-228	NA	pci/l	NT	1.3	1.21 J+	2.6	2.28	1.69	1.15	0.587 J	0.623 U	1.1	0.295 U	1.37
Selenium	NA	mg/l	1.6	NT	1.3	1.2	0.95	0.93	0.84 J	0.91	0.78	0.75	0.82	0.74
Thallium	NA	mg/l	< 0.001 U	NT	0.00036 J	0.00033 J	0.00087 J	< 0.001 U	< 0.001 U	< 0.001 U	0.00036 J	< 0.01 U	< 0.01 U	< 0.005 U
Total Suspended Solids	NA	mg/l	270	NT	100	120	54 J	44	36	54	51	19	27	20
Other														
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	820 J	NT	710	700	720	700	730	780	700 B	740 B	NT	750
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 UJ	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 U
Alkalinity, Total (as CaCO3)	NA	mg/l	820 J	NT	710	700	720	700	730	780	700 B	740 B	NT	750
Magnesium	NA	mg/l	4400	NT	4100	3700 B	3000	3500	3000	3200	2800	3300	NT	3200
Potassium	NA	mg/l	13	NT	13	13	10	12	11	12	12	13	NT	9.8
Sodium	NA	mg/l	4800	NT	7100 ^	6600 B	6900	6800	6400	6400 ^	6300	6500	NT	6500 B

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	W-2		
		Sample Date:	3/24/2020	11/11/2020	11/25/2020
		Sample Type:	N	N	N
		Location Type:	Background/Upgradient Monitor Well		
		Event:	2020_03	2020_11_R6	2020_11_R7
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**			
Field Parameters					
Conductivity (field)	NA	us/cm	NM	681	13113
Oxidation-reduction Potential (field)	NA	mV	NM	206.1	110.9
pH (field)	LPL 6.20 UPL 6.75	su	NM	7.66	7.83
Temperature (field)	NA	deg c	NM	16.6	16.7
Turbidity (field)	NA	ntu	NM	NM	NM
Appendix III					
Boron	4.00	mg/l	3.3	2.9	3.2
Calcium	711.0	mg/l	270	450	430
Chloride	905.0	mg/l	NT	700	770
Fluoride	676.0	mg/l	NT	1.2	2 J
pH (lab)	NA	su	NT	8.1 J	NT
Sulfate	90,421	mg/l	NT	7000	7900
Total Dissolved Solids	220,270	mg/l	NT	12000	NT
Appendix IV					
Antimony	NA	mg/l	0.0011 J	< 0.002 U	< 0.002 U
Arsenic	NA	mg/l	0.017	0.0054	0.0073
Barium	NA	mg/l	0.19	0.053	0.059
Beryllium	NA	mg/l	0.00076 J	< 0.001 U	0.00041 J
Cadmium	NA	mg/l	0.0011	0.00025 J+	0.00031 J+
Chromium, Total	NA	mg/l	0.038	0.0091	0.024
Cobalt	NA	mg/l	0.0053	0.0011	0.0011
Fluoride	NA	mg/l	NT	1.2	2 J
Lead	NA	mg/l	0.012	0.0015	0.0015
Lithium	NA	mg/l	1	0.97	1.1
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.011	0.015	0.0092 J
Selenium	NA	mg/l	1.1	0.75	0.76
Thallium	NA	mg/l	0.00058 J	< 0.001 U	0.0005 J
Other					
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	180 B	NT
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	< 10 U	NT
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	180 B	NT
Magnesium	NA	mg/l	1300	1000	NT
Potassium	NA	mg/l	17	14	NT
Sodium	NA	mg/l	1700	1500	NT

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

Sample Location:			W-2A									
Sample Date:			8/26/2020	9/9/2020	9/24/2020	10/8/2020	10/20/2020	11/4/2020	11/20/2020	12/2/2020	1/13/2021	4/9/2021
Sample Type:			N	N	N	N	N	N	N	N	N	N
Location Type:			Background/Upgradient Monitor Well									
Event:			2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent		**Unit**										
Field Parameters												
Conductivity (field)	NA	us/cm	36121	43333	40212	39950	40616	39892	38762	39419	43764	38286
Oxidation-reduction Potential (field)	NA	mV	127.6	141.5	86.6	151.2	142.8	229.5	158.1	180.9	133.1	198.9
pH (field)	LPL 6.20 UPL 6.75	su	6.47	6.63	6.48	6.5	6.44	6.35	6.47	6.46	6.49	6.5
Temperature (field)	NA	deg c	25.4	17	18.1	18.2	17.9	16.6	16.5	13.8	15.3	16.7
Turbidity (field)	NA	ntu	9.49	153	114	7.31	8.96	9.87	4.9	8.96	24.5	4.98
Appendix III												
Boron	4.00	mg/l	3.6	2.7	3.4	3.6	3.6	3.7	4	3.6	2.5	5.3
Calcium	711.0	mg/l	310	160	280	390	310	210	98	160	160	390
Chloride	905.0	mg/l	840	750	770	840	810	780	800 J	820 F1	870	830
Fluoride	676.0	mg/l	< 10 U	99	86	42	65	1.4 J	93 J	170 J	< 5 U	60
pH (lab)	NA	su	6.9 J	6.9 J	6.8 J	6.7 J	7 J	6.7 J	7 J	6.8 J	6.9 J	7 J
Sulfate	90,421	mg/l	49000	49000	42000	53000	51000	60000	76000 J	43000 J	99000	49000
Total Dissolved Solids	220,270	mg/l	68000 J	31000	81000	72000	71000 J	75000	30000 J	130000	55000 J	43000
Appendix IV												
Antimony		mg/l	< 0.002 U	0.00089 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.002 U	0.0013 J+
Arsenic		mg/l	0.011	0.032	0.018	0.02	0.026	0.02 J	0.012 J	< 0.05 U	0.022	0.018
Barium		mg/l	0.02	0.062	0.025	0.012 J	0.016	0.031	0.014 J	< 0.05 U	0.018	0.017
Beryllium		mg/l	< 0.001 U	0.00045 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U
Cadmium		mg/l	0.0037	0.0042	0.0029	0.0034	0.0036	0.0039 J+	0.0046 J	0.0043 J	0.0051	0.004
Chromium, Total		mg/l	0.021	0.013	0.0077	< 0.002 U	0.0011 J	0.0084 J	0.0065 J	< 0.02 U	0.0021	0.0016 J+
Cobalt		mg/l	0.0075	0.0087	0.007	0.0059	0.007	0.0079	0.0068	0.0072 J	0.0087	0.01
Fluoride		mg/l	< 10 U	99	86	42	65	1.4 J	93 J	170 J	< 5 U	60
Lead		mg/l	0.00055 J	0.0077	0.0024	0.00045 J	0.00046 J	< 0.005 U	< 0.005 U	< 0.01 U	0.00069 J	0.00069 J
Lithium		mg/l	3.6	3.5	3.7	3.3	3.7	4.1	2.6	4.2	4.4	4.2
Mercury		mg/l	0.00015 J	< 0.0002 UJ	0.00019 J	< 0.0002 UJ	0.0002 J	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum		mg/l	0.0051 J	0.0054 J	0.0031 J	0.0027 J	0.0028 J	< 0.05 U	< 0.05 U	< 0.1 U	0.003 J	0.0027 J
Radium-226		pci/l	1.58	2.09 J+	1.84	1.79	1.25	0.828	1.97 J	1.27	1.53	1.31
Radium-226/228		pci/l	4.48	5.59 J+	3.54	4.53	3.61	2.32 J-	4.87 J-	3.23	3.88	3.75
Radium-228		pci/l	2.89	3.49	1.7 U	2.74 J-	2.36	1.49 J-	2.9 J-	1.96	2.35	2.43
Selenium		mg/l	2.9	2.8	2.5	2.8 J	3	2.3	2.3	2.3	3.2	2.9
Thallium		mg/l	0.0044	0.0053	0.0038	0.0043	0.0045	0.0052	0.005	0.0044 J	0.0053	0.0048
Total Suspended Solids		mg/l	100	260	140	22	78 J	92	70 J	88	160	23
Other												
Alkalinity, Bicarbonate (as CaCO3)		mg/l	620	600	640	680	690 B	740	710	670	NT	690 H
Alkalinity, Carbonate (as CaCO3)		mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)		mg/l	620	600	640	680	690 B	740	710	670 B	NT	690 HB
Magnesium		mg/l	7900	7900 B	8900	7500	8100	8400	7700	9000	NT	8100
Potassium		mg/l	59 F1	61	69	57	61	64	61	69	NT	63
Sodium		mg/l	5500	5300 B	6200	5100	6200	5700	5600	6100	NT	5600 B

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	W-2B									
		Sample Date:	9/4/2020	9/10/2020	10/15/2020	10/29/2020	11/4/2020	11/20/2020	12/11/2020	1/13/2021	1/14/2021	4/7/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N
		Location Type:	Site-Wide Chacterization Monitor Well									
		Event:	2020_09_R1	2020_09_R2	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**										
Field Parameters												
Conductivity (field)	NA	us/cm	45172	45172	47734	47906	48521	49381	46118	48345	48345	52.34**
Oxidation-reduction Potential (field)	NA	mV	140	140	87.5	148	230.1	160.7	205.2	141.5	141.5	248.9
pH (field)	NA	su	7.14	7.14	7.05	7.02	6.91	6.98	7.07	7.09	7.09	7.16
Temperature (field)	NA	deg c	16	16	20.6	19	17.3	15.4	15.1	14.8	14.8	16.4
Turbidity (field)	NA	ntu	145	145	10.2	36.8	8.72	3.01	98.8	59.5	59.5	196
Appendix III												
Boron	NA	mg/l	4.5	3.2	4.4	4.1	4.4	5.3	4.3	3.4	NT	NT
Calcium	NA	mg/l	120	300 J	170	340	170	150	230	510	NT	NT
Chloride	NA	mg/l	820	890	810	950	940	900 J	910	940	NT	NT
Fluoride	NA	mg/l	2.6 J+	92	84	3	3.2 J	100 J	2.9 J	< 0.5 U	NT	NT
pH (lab)	NA	su	7.1 J	7.2 J	7.2 J	7.3 J	7.2 J	7.3 J	7.2 J	7.2 J	NT	NT
Sulfate	NA	mg/l	110000	53000	49000	52000	98000	130000 J	68000 J	80000 J	NT	NT
Total Dissolved Solids	NA	mg/l	85000	24000	23000	80000	63000	47000 J	180000	92000	NT	NT
Appendix IV												
Antimony	NA	mg/l	0.0043	0.012 J	0.0058	0.013	0.016	0.008 J	0.012 J	0.013 J	NT	NT
Arsenic	NA	mg/l	0.026	0.04	0.035	0.026	0.017	0.015 J	< 0.1 U	0.02 J	NT	NT
Barium	NA	mg/l	0.075	0.16 J	0.13	0.076	0.033	0.037 J	0.072 J	0.07	NT	NT
Beryllium	NA	mg/l	< 0.001 U	0.0011 J	0.00093 J	0.00037 J	< 0.001 U	< 0.01 U	< 0.02 U	< 0.01 U	NT	NT
Cadmium	NA	mg/l	0.0011	0.0034	0.003	0.0027	0.0012 J+	< 0.01 U	< 0.02 U	0.0024 J+	NT	NT
Chromium, Total	NA	mg/l	0.013 J+	0.04	0.034	0.011	< 0.01 U	< 0.02 U	< 0.04 U	< 0.02 U	NT	NT
Cobalt	NA	mg/l	0.028	0.11	0.04	0.07	0.064	0.031	0.039	0.054	NT	NT
Fluoride	NA	mg/l	2.6 J+	92	84	3	3.2 J	100 J	2.9 J	< 0.5 U	NT	NT
Lead	NA	mg/l	0.0059	0.029	0.02	0.0068	0.001	< 0.01 U	< 0.02 U	0.01	NT	NT
Lithium	NA	mg/l	3.5	3.3	5.2	4.8	4.9	4.3	4.8	5.4	NT	NT
Mercury	NA	mg/l	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 UJ	0.00013 J	< 0.002 U	NT	NT
Molybdenum	NA	mg/l	0.02	0.074	0.028	0.059	0.072	0.034 J	0.038 J	0.042 J	NT	NT
Radium-226	NA	pci/l	6.12	3.86 J+	5.58	1.68	2.28	3.31 J	6.29	3.97	NT	NT
Radium-226/228	NA	pci/l	12.9	6.2 J+	15.4	4.12	4.24 J-	6.33 J-	13.5	6.8	NT	NT
Radium-228	NA	pci/l	6.76	2.34	9.79	2.44	1.96 J-	3.01 J-	7.17	2.84	NT	NT
Selenium	NA	mg/l	2.4	1.7 J	2.2	1.7	1.4	1.2	0.97	0.86	NT	NT
Thallium	NA	mg/l	0.00082 J	0.0017	0.0013	0.0022	0.00086 J	< 0.01 U	< 0.02 U	< 0.01 U	NT	NT
Total Suspended Solids	NA	mg/l	310	420	310	340	52	50 J	570	450	NT	NT
Other												
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	920	900	980	1000	1200	1100	1200 B	NT	NT	NT
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	NT	NT
Alkalinity, Total (as CaCO3)	NA	mg/l	920	900	980	1000	1200	1100	1200 B	NT	NT	NT
Magnesium	NA	mg/l	8100	7800 B	10000	9700	9400	9400	11000	NT	NT	NT
Potassium	NA	mg/l	62	59	68	60	59	65	66	NT	NT	NT
Sodium	NA	mg/l	6500 ^	8200 B	8300	9100	9600	8900	9400	NT	NT	NT

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	W-3																																					
		Sample Date:	12/16/2015	12/16/2015	3/1/2016	3/1/2016	5/3/2016	5/3/2016	8/23/2016	8/23/2016	11/8/2016	11/8/2016	3/9/2017	3/9/2017	5/10/2017	5/10/2017	7/6/2017	7/6/2017	8/15/2017	8/15/2017	3/4/2020	3/4/2020	8/27/2020	9/9/2020	9/9/2020	9/25/2020	9/25/2020	10/7/2020	10/7/2020	10/20/2020	11/4/2020	11/20/2020	11/20/2020	12/5/2020	1/13/2021	1/13/2021	4/9/2021	4/9/2021
		Sample Type:	FD	N	N	N	FD	N	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	FD	N	N	FD	N	FD	N	FD	N	N	N	N	N	N	N	FD	N	FD
		Location Type:	Bottom Ash Pond Monitor Well																																					
		Event:	2015_Q4	2015_Q4	2016_Q1	2016_Q1	2016_Q2	2016_Q2	2016_Q3	2016_Q3	2016_Q4	2016_Q4	2017_Q1	2017_Q1	2017_Q2	2017_Q2	2017_Q3	2017_Q3	2017_Cell2_R2	2017_Q_08-09	2020_03	2020_03	2020_09_R1	2020_09_R2	2020_09_R2	2020_09_R3	2020_09_R3	2020_10_R4	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_11_R7	2020_12_R8	2021_01	2021_01	2021_04	2021_04
Constituent	BAP BTVs for Detection Monitoring*	Unit																																						
Field Parameters																																								
Conductivity (field)	NA	us/cm	14930	14930	13238	13238	11993	11993	8489	8489	5837	5837	9508	9508	5023	5023	6260	6260	5366	5366	4097	4097	11041	3524	3524	4151	4151	4306	4306	4335	3551	3527	3527	2372	2188	2188	4.099 **	4.099 **
Oxidation-reduction Potential (field)	NA	mV	156	156	130.6	130.6	145.5	145.5	100	100	105.9	105.9	-513.9	-513.9	118.2	118.2	48.5	48.5	42.6	42.6	88.4	88.4	-68.1	90.8	90.8	37.8	37.8	36.9	36.9	5.8	198.1	53.8	53.8	106.8	63.3	63.3	30.5	30.5
pH (field)	LPL 6.20 UPL 6.75	su	7.46	7.46	7.24	7.24	7.51	7.51	7.37	7.37	7.33	7.33	7.21	7.21	7.59	7.59	7.47	7.47	7.34	7.34	7.48	7.48	7.36	7.36	7.36	7.38	7.38	7.35	7.35	7.27	7.28	7.42	7.42	7.72	7.74	7.74	7.57	7.57
Temperature (field)	NA	deg c	13.5	13.5	13.32	13.32	13.9	13.9	15.7	15.7	16.3	16.3	13.6	13.6	13.8	13.8	14.8	14.8	15.2	15.2	9.9	9.9	17.7	18.4	18.4	17.4	17.4	17.2	17.2	16.4	16.7	15.4	15.4	11.8	5.5	5.5	9.9	9.9
Turbidity (field)	NA	ntu	0.4	0.4	28.67	28.67	9.5	9.5	0	0	1.3	1.3	30.3	30.3	1.8	1.8	0.3	0.3	1.26	1.26	2.28	2.28	6.42	3.11	3.11	2	2	4.16	4.16	7.14	0.02	2.12	2.12	5.92	1.55	1.55	1.28	1.28
Appendix III																																								
Boron	4.00	mg/l	2.4	2.2	2.1	2.4	2.1 J+	2.1 J+	3.7	3.8	2.5	2.9	3.5	3.5	3.8	3.7	3.8 J+	4 J+	3.3	3.4	1.4	1.5	3.2	3	2.8	3.1	3.2	3.2	3.1	3.3	2.3	2.1	2.1	0.77	0.57	0.54	1	1
Calcium	711.0	mg/l	490	450 J	450	410	380 J-	380 J-	470	480	470 B	210 B	600	580	560	560	590 J	600 J	540	560	180 J	310 J	550	460	470	490	500	470	470	510	450	420	420	310	300	290	470	470
Chloride	905.0	mg/l	270	270	240	240	190 J-	190 J-	140	140	82	79	160	170	210	210	260 J	260 J	110	110	90	91	59 J	34	36	45	45	52	46	51	35	32 J	33 J	21 J	23	23	49	49
Fluoride	676.0	mg/l	0.64 J	0.71 J	0.9 J	0.82 J	1.4 J-	1.3 J-	1	0.96 J	0.9	0.82	1.2 J	1.1 J	0.8	0.77	0.86 J	0.7 J	0.88	0.82	< 2.5 U	< 2.5 U	< 10 U	0.64 J	0.63 J	0.59	0.59	0.88 J	0.49 J	0.6 J	0.7	0.51 J	0.55 J	0.73	0.68	0.67	1.5	1.3
pH (lab)	NA	su	7.71 J	7.7 J	7.92 J	7.91 J	7.7 J	7.71 J	7.6 J	7.6 J	7.6 J	7.6 J	7.7 J	7.8 J	7.5 J	7.7 J	7.8 J	7.8 J	7.9 J	7.9 J	7.7 J	7.7 J	7.6 J	7.6 J	7.6 J	7.5 J	7.6 J	7.6 J	7.6 J	7.6 J	7.5 J	7.7 J	7.7 J	7.7 J	7.7 J	7.8 J	7.7 J	7.7 J
Sulfate	90,421	mg/l	11000	11000	9500	9600	8300 J-	8700 J-	5800	5800	3200	3100	5900	6000	4100	4100	5400 J	5500 J	3600	3700	2400	2400	3000 J+	2200	2000 J+	2000	2300	2400	2500 J	2700	1800	2100 J	2600 J	1500	1300	1300	1700 J	2100 J
Total Dissolved Solids	220,270	mg/l	16000	16000	14000	15000	11000 J-	12000 J-	8800	8800	4900 J	4900 J	9100	9100	6600	6600	7700 J	8200 J	5700	5700	4200 J+	4000 J+	4700	3100 J	3900 J	4700	4600	4300	4500	4000	3900	3500 J	3300 J	2300	2000	2000	3200	3300
Appendix IV																																								
Antimony	NA	mg/l	0.00099 J+	0.00099 J+	0.00075 J	0.0007 J	0.00073 J-	0.00069 J-	0.00074 J+	0.00069 J+	0.00053 J+	0.00072 J+	0.00052 J+	0.00045 J+	0.00058 J	< 0.002 U	< 0.02 UJ	0.0006 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.00063 J	0.00067 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.00057 J	0.00064 J
Arsenic	NA	mg/l	0.012	0.01	0.013	0.012	0.012 J-	0.012 J-	0.014	0.014	0.0071	0.013	0.021	0.02	0.024	0.025	0.03 J	0.032 J	0.012	0.012	0.0018 J	0.0013 J	0.0028 J	0.0023 J	0.0021 J	0.0024 J	0.0026 J	0.0022 J	0.0024 J	0.0018 J	0.0021 J	0.0023 J	0.0018 J	0.0014 J	0.00096 J	0.00079 J	0.0017 J	0.00092 J
Barium	NA	mg/l	0.017	0.016	0.014 J+	0.012 J+	0.015 J-	0.015 J-	0.019	0.02	0.021 B	0.022	0.021	0.02	0.02	0.02	< 0.05 UJ	0.017 J	0.02	0.022	0.03	0.031	0.036	0.033	0.037	0.031	0.032	0.029	0.027	0.034	0.027	0.027	0.026	0.026	0.032	0.027	0.047	0.046
Beryllium	NA	mg/l	< 0.001 U	0.00013 J+	< 0.001 U	< 0.001 U	< 0.001 UJ	< 0.001 UJ	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.01 UJ	< 0.02 UJ	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.0003 J+	0.00035 J+	0.00012 J	0.000095 J	0.00012 J+	0.0001 J+	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.01 UJ	< 0.001 UJ	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Chromium, Total	NA	mg/l	0.0011 J	0.0011 J	< 0.002 U	< 0.002 U	< 0.002 UJ	< 0.002 UJ	0.00041 J	0.00047 J	0.001 J	0.00054 J	0.0037 J+	0.0031 J+	< 0.002 U	< 0.002 U	< 0.02 UJ	< 0.002 UJ	< 0.002 U	< 0.002 U	0.0029	0.003	0.0012 J	0.0012 J+	0.0016 J+	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.0016 J	0.0013 J	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U
Cobalt	NA	mg/l	0.0015 J+	0.0017 J+	0.00089 J	0.00071 J	0.0006 J+	0.0006 J+	0.00044 J+	0.00045 J+	0.0013	0.0003 J	0.0012	0.001	0.0002 J	0.0002 J	< 0.01 UJ	0.00031 J	< 0.001 U	0.00022 J	0.0004 J	0.00042 J	0.00067 J	0.00045 J	0.00055 J	0.00046 J	0.00052 J	0.00048 J	0.00045 J	0.00056 J	0.00061 J	0.00058 J	0.00057 J	0.00039 J+	0.00034 J	0.00033 J	0.00046 J	0.00043 J
Fluoride	NA	mg/l	0.64 J	0.71 J	0.9 J	0.82 J	1.4 J-	1.3 J-	1	0.96 J	0.9	0.82	1.2 J	1.1 J	0.8	0.77	0.86 J	0.7 J	0.88	0.82	< 2.5 U	< 2.5 U	< 10 U	0.64 J	0.63 J	0.59	0.59	0.88 J	0.49 J	0.6 J	0.7	0.51 J	0.55 J	0.73	0.68	0.67	1.5	1.3
Lead	NA	mg/l	0.00097 J+	0.001 J+	0.00031 J+	0.00024 J+	0.00032 J-	0.00022 J-	0.00029 J+	0.00027 J+	0.0011 B	0.00053 J+	0.00097 J+	0.00083 J+	0.0012 J	0.00067 J	< 0.001 UJ	< 0.001 UJ	< 0.001 U	< 0.001 U	0.00046 J	0.00058 J	0.00068 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	0.00045 J	< 0.001 U	< 0.001 U	< 0.001 U	0.0045	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	0.47 J+	0.44 J+	0.45	0.46	0.36 J+	0.36 J+	0.31	0.31	0.11	0.13 B	0.25	0.24	0.15	0.14	0.19 J	0.2 J	0.14	0.14	0.15	0.15	0.11	0.11	0.12	0.12	0.11	0.11	0.1	0.11	0.11	0.083 J	0.055 J	0.069	0.061	0.058	0.074	0.077
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U
Molybdenum	NA	mg/l	0.055 J+	0.049 J+	0.052	0.047	0.055 J+	0.055 J+	0.043 J+	0.045 J+	0.036	0.029	0.045	0.047	0.049	0.049	0.035 J	0.038 J	0.032	0.033	0.024	0.024	0.043	0.044	0.045	0.042	0.043	0.04	0.04	0.043	0.037	0.033	0.033	0.02	0.017	0.017	0.021	0.021
Radium-226	NA	pci/l	0.246 J	0.174 J	0.128	0.079 U	0.293 J+	0.223 J+	0.204 J+	0.154 J+	0.125 UJ	0.597 J	0.255 J	0.127 UJ	0.153 J	0.108 UJ	0.0247 UJ	0.0547 UJ	0.139 J	0.105 J	0.0569 U	0.0552 U	0.256	0.812 J+	1.04 J+	0.113 UJ	0.408 J+	-0.0246 UJ	0.184 J	0.145 U	-0.052 U	-0.00287 UJ	0.384 U	0.0384 U	0.0504 U	0.0571 U	0.0172 U	0.117 U
Radium-226/228	NA	pci/l	0.471 J	0.754 J	0.491	0.389	0.878 J-	0.484 UJ	0.495	1.07	0.595	1.15	1.01	0.645	0.501 U	0.507 U	0.0976 UJ	0.347 UJ	1.1	0.723	0.364 U	0.208 U	1.45	1.49 J+	1.15 J+	0.94 J+	0.63 UJ	0.477 U	0.472	0.786	-0.029 UJ	-0.058 UJ	0.795 UJ	0.209 U	0.148 U	0.367 U	0.194 UJ	0.6 J
Radium-228	NA	pci/l	NT U	0.58 J	0.363 J+	0.31 U	0.586 J+	0.26 UJ	0.29 U	0.911 J+	0.469 J+	0.554 J+	0.756 J	0.518 J	0.348 U	0.398 U	0.0728 UJ	0.293 UJ	0.965 J	0.617 J	0.307 U	0.153 U	1.2	0.675	0.108 U	0.826 J	0.222 UJ	0.501 UJ	0.288 UJ	0.642	0.023 UJ	-0.0551 U	0.411 UJ	0.171 U	0.0976 U	0.31 U	0.177 U	0.483 U
Selenium	NA	mg/l	0.079 J	0.059 J	0.086	0.077	0.1 J-	0.099 J-	0.13	0.13	0.056	0.087	0.22	0.21	0.21	0.21	0.25 J	0.25 J	0.077	0.078	0.044	0.045	0.019	0.015	0.015	0.015	0.015	0.013	0.013	0.016	0.022	0.014	0.015	0.011	0.012	0.011	0.013	0.013
Thallium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 UJ	< 0.001 UJ	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 UJ	< 0.001 UJ	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Total Suspended Solids	NA	mg/l	14	42	< 4 U	2.4 J	3.2 J-	1.2 J-	4.8 J+	3.6 J+	4	5.2	10 J	18 J	5.6 J	2.4 J	1.6 J	2.4 J	3.6 J	3.6 J	8	10	41	13 J	96 J	6.4	9.2	9.2	7.2	17	9.2	14 J	14 J	7.2 J+	4	4	8 J	1.2 J
Other																																								
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	490	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	290	300	290	300	300	350	340	340 B	360	290	290	200	NT	NT	200 H	200 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	< 5 U	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	NT	< 10 UH	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	490	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	290	300	290	300	300	350	340	340 B	360	290	290	200 B	NT	NT	200 HB	200 H
Copper	NA	mg/l	NT	0.014 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NA	mg/l	NT	2 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Magnesium	NA	mg/l	NT	950	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280	230 B	230 B	260	260	250	240	260	210	220	210	120	NT	NT	180	180
Nitrogen, Nitrate (as N)	NA	mg/l	NT	0.41 J+	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NA	mg/l	NT	26 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	15	14	14	15	15	14	13	14	12	13	12	8.1	NT	NT	11	11
Sodium	NA	mg/l	NT	3200 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	290	230 B	220 B	250	250	250	250	280	210	200	210	100	NT	NT	170	180
Zinc	NA	mg/l	NT	0.03	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

Sample Location:			W-4																			
Sample Date:			12/16/2015	3/17/2016	6/1/2016	9/15/2016	11/29/2016	3/10/2017	5/23/2017	7/20/2017	8/30/2017	3/5/2020	9/4/2020	9/17/2020	10/2/2020	10/15/2020	10/29/2020	11/11/2020	11/25/2020	12/11/2020	1/14/2021	4/19/2021
Sample Type:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Location Type:			Bottom Ash Pond Monitor Well																			
Event:			2015_Q4	2016_Q1	2016_Q2	2016_Q3	2016_Q4	2017_Q1	2017_Q2	2017_Q3	2017_Cell2_R1	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**																				
Field Parameters																						
Conductivity (field)	NA	us/cm	NM	NM	NM	NM	NM	33442	NM	NM	NM	NM	NM	NM	NM	29259	29618	27714	29322	NM	29527	29.533 **
Oxidation-reduction Potential (field)	NA	mV	NM	NM	NM	NM	NM	-400.7	NM	NM	NM	NM	NM	NM	NM	69.5	-4.4	244.5	125.3	NM	164.9	182.3
pH (field)	LPL 6.20 UPL 6.75	su	NM	NM	NM	NM	NM	7.67	NM	NM	NM	NM	NM	NM	NM	7.3	7.33	7.55	7.57	NM	7.68	7.81
Temperature (field)	NA	deg c	NM	NM	NM	NM	NM	12.2	NM	NM	NM	NM	NM	NM	NM	16.8	18.3	16.2	15.1	NM	15.9	17.2
Turbidity (field)	NA	ntu	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.3	NM	NM	NM	NM	25.3	20.8
Appendix III																						
Boron	4.00	mg/l	1.2	0.97	0.97	1.2 J+	2.4	2.3	2.9 J+	2.8 J+	3 J+	2.8	3.1	3	2.5	3.2	3	3	3.1	2.7	2.4	3.8
Calcium	711.0	mg/l	300	400	470	370	390 B	440	450	450	430	110	260	230	390	390	410	400	400	110	420	400
Chloride	905.0	mg/l	530	520	510	480	510 B	510	510	510	NT	420	410	440	690 J	400	460	410	420	400	480	NT
Fluoride	676.0	mg/l	0.78 J	3.4 J	3.4 J	4.7	5.6	4.8 J	4.9	2.5	NT	4.7	6.7 J+	15	24	15	5.6	6.3	6	7.8 J	4.4 J	NT
pH (lab)	NA	su	7.71 J	7.83 J	7.63 J	7.6 J	7.8 J	7.9 J	7.9 J	7.6 J	NT	7.8 J	7.6 J	7.4 J	7.6 J	7.5 J	7.8 J	8.1 J	7.8 J	7.8 J	NT	NT
Sulfate	90,421	mg/l	29000	28000	27000	27000	27000 B	28000	27000	27000	NT	24000	34000	28000	31000	26000	26000	58000 J	26000	27000	29000	NT
Total Dissolved Solids	220,270	mg/l	41000 J	39000	36000	38000 J	40000 J	NT	40000 R	38000	NT	39000 J+	NT	NT	NT	39000 J	40000	43000 J	69000	70000	NT	NT
Appendix IV																						
Antimony	NA	mg/l	0.0013 J+	0.0013 J	0.0013 J	0.0017 J+	< 0.02 U	0.00087 J+	< 0.01 U	< 0.01 U	< 0.02 U	0.00063 J	0.00059 J	< 0.002 U	< 0.004 U	< 0.002 U	0.0069 J	< 0.002 U	< 0.01 U	< 0.04 U	< 0.02 U	< 0.01 U
Arsenic	NA	mg/l	0.021	0.013	0.011	0.0059	0.004 J	0.0073	0.0047 J	0.0067 J	< 0.05 U	0.0021 J	0.0026 J	0.0028 J	0.0023 J	0.0024 J	< 0.05 U	0.0021 J	< 0.025 U	< 0.1 U	< 0.05 U	< 0.025 U
Barium	NA	mg/l	0.11	0.046	0.33	0.044 J+	0.071 B	0.097	0.046	0.42	0.062	0.034	0.048	0.029	0.04	0.036	0.051	0.034	0.04	< 0.1 U	0.054	0.1
Beryllium	NA	mg/l	0.00024 J+	0.000083 J	0.00059 J	0.00076 J+	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	0.0075 J	< 0.001 U	< 0.005 U	< 0.02 U	< 0.01 U	< 0.005 U
Cadmium	NA	mg/l	0.00066 J+	0.00078 J	0.001	0.00088 J	< 0.01 U	0.00065 J	< 0.005 U	< 0.005 U	< 0.01 U	0.00022 J	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	0.0063 J	< 0.001 U	< 0.005 U	< 0.02 U	< 0.01 U	< 0.005 U
Chromium, Total	NA	mg/l	0.023	0.0054	0.014	0.0021 J+	0.01 J	0.028	< 0.01 U	0.033	< 0.02 U	0.0024	0.018 J+	0.0048	0.0052	0.013	0.057	0.0079	0.0072 J	< 0.04 U	0.039	0.065
Cobalt	NA	mg/l	0.0022 J+	0.0016	0.0022	0.0043 J+	0.0057 J	0.0053	0.006	0.011	0.009 J	0.023	0.014	0.014	0.009	0.013	0.014	0.0072	0.0076	0.0063 J	0.016	0.013
Fluoride	NA	mg/l	0.78 J	3.4 J	3.4 J	4.7	5.6	4.8 J	4.9	2.5	NT	4.7	6.7 J+	15	24	15	5.6	6.3	6	7.8 J	4.4 J	NT
Lead	NA	mg/l	0.0016 J+	0.0014	0.0061	0.0016 J+	0.0031 J	0.0031 J	< 0.005 U	0.017	0.0068 J	0.0015	0.0012	< 0.001 U	< 0.002 U	0.00049 J	0.0064 J	< 0.001 U	< 0.005 U	< 0.02 U	< 0.01 U	< 0.005 U
Lithium	NA	mg/l	1.1	1.1	1.2	1.8	1.7	1.8	1.7	1.7	1.6	1.1	1.3	1.3	1.6	1.6	1.4	1.5	1.6	1.5	1.5	1.5
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 U	< 0.0004 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.002 U	< 0.0002 U
Molybdenum	NA	mg/l	1.2	1.1	0.74	0.66 J+	0.32	0.41	0.33	0.25	0.24	0.073	0.1	0.1	0.1	0.1	0.22	0.13	0.11	0.1 J	0.12	0.091
Radium-226	NA	pci/l	1.51	0.394	1.31	0.35	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Radium-226/228	NA	pci/l	3.17 J	2.61	3.63	0.951	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Radium-228	NA	pci/l	1.65	2.22	2.32	0.601 U	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NA	mg/l	0.14 J+	0.071	0.03	0.014 J+	0.0049 J	0.024	0.0098 J	0.012 J	< 0.05 U	0.0027 J	0.0032 J	0.0033 J	0.0031 J	0.0031 J	0.012 J	0.0048 J	< 0.025 U	< 0.1 U	< 0.05 U	0.0072 J
Thallium	NA	mg/l	0.00033 J+	0.0004 J	0.00046 J	0.0007 J	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	0.00041 J	0.00039 J	0.00041 J	0.00047 J	0.0003 J	0.0093 J	0.00038 J	< 0.005 U	< 0.02 U	< 0.01 U	< 0.005 U
Total Suspended Solids	NA	mg/l	180	29	170	8.8	63	NT	NT	180	NT	67	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																						
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	530 J	470	460	460	510 B	NT	480 B	530 B	510	NT	NT
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 U	< 10 U	< 10 U	NT	NT
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	530 J	470	460	460	510 B	NT	480 B	530 B	510	NT	NT
Magnesium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	2800	3000	3000	2800	3200	NT	3500	3100	3400	NT	3200
Potassium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	23	25	25	28	27	NT	28	28	30	NT	25
Sodium	NA	mg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	5200 J	5100 ^	5200	5800	5600	NT	5800	5200	5800	NT	5300 B

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	W-5																				
		Sample Date:	12/17/2015	3/1/2016	5/3/2016	8/24/2016	11/8/2016	2/15/2017	5/10/2017	7/6/2017	8/14/2017	8/30/2017	3/5/2020	8/27/2020	9/9/2020	9/23/2020	10/7/2020	10/19/2020	11/3/2020	11/19/2020	12/4/2020	1/12/2021	4/6/2021
		Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Location Type:	Bottom Ash Pond Monitor Well																				
		Event:	2015_Q4	2016_Q1	2016_Q2	2016_Q3	2016_Q4	2017_Q1	2017_Q2	2017_Q3	2017_Cell2_R1	2017_Cell2_R1	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	BAP BTVs for Detection Monitoring*	Unit																					
Field Parameters																							
Conductivity (field)	NA	us/cm	37869	36537.3	NM	31981	47531	26545	32941	31003	37678	37678	26720	11381	9027	461.7	14100	10351	7895	9420	11331	11189	12456
Oxidation-reduction Potential (field)	NA	mV	192.1	231.6	NM	206.9	161.7	68.6	121.4	183.7	72.6	72.6	-20.6	-112.1	0.2	-11.6	-26.1	26.8	76.9	-45.3	-73.3	83.6	-33.5
pH (field)	LPL 6.20 UPL 6.75	su	7.4	7.23	NM	7.32	7.31	7.21	7.32	7.25	7.17	7.17	7.25	7.22	7.36	7.13	7.15	7.21	7.3	7.2	7.29	7.26	7.25
Temperature (field)	NA	deg c	13.5	18.44	NM	19.1	20	17	15.4	20.6	20.6	20.6	16.4	20.9	18.7	21.9	20.5	19.5	19.1	19.5	17.3	15	14.8
Turbidity (field)	NA	ntu	143	8.86	NM	12.5	11.3	12.2	NM	9.56	11.8	11.8	15.9	6.29	4.79	8.24	8.79	11.6	0.02	1.79	5.19	4.27	3.11
Appendix III																							
Boron	4.00	mg/l	1.9	2.8	2.3 J+	2.7	4.3	3.9	5	4.5 J+	4.8	2.2 J+	3.7	4	5.2	5.5	5.2	5.3	4.5	4.3	4.3	3.8	3
Calcium	711.0	mg/l	450	490	470 J-	470	460 B	450	460	450 J	340	460	98	450	380	400	390	390	410	370	270	200	400
Chloride	905.0	mg/l	960	870	910 J-	940	930	930	1500	1100 J	1000	1600	770	350	200	420	480	490	270	410 J	450	560	470
Fluoride	676.0	mg/l	3.3 J	4.2 J	7.4 J-	5.5	4.3	5.5	< 1 U	3.8 J	< 1 U	< 2.5 U	6.7	4.3 J	3.2 J	7.3	3.7	2.4 J	2.4 J	4.7 J	1.4	< 0.5 U	3.5
pH (lab)	NA	su	7.43 J	7.66 J	7.6 J	7.4 J	7.5 J	7.6 J	7.3 J	7.6 J	7.6 J	7.5 J	7.7 J	7.8 J	7.6 J	7.5 J	7.6 J	7.5 J	7.5 J	7.6 J	7.3 J	7.7 J	7.5 J
Sulfate	90,421	mg/l	37000	38000	42000 J-	40000	41000	41000	40000	42000 J	43000	17000	23000	12000	6100 J+	5700	13000	9100	4100	5500 J	85000	13000	9800
Total Dissolved Solids	220,270	mg/l	64000 J	49000 J	61000 J-	58000	55000 J	71000 J	57000	51000 J	67000	29000	34000 J+	14000	7400	11000	20000	13000	7400	9500 J	25000	16000	26000
Appendix IV																							
Antimony	NA	mg/l	0.00048 J+	0.00039 J	0.00049 J-	0.00041 J+	< 0.02 U	< 0.02 U	< 0.02 U	< 0.04 UJ	< 0.02 U	0.008 J	0.0023	0.0028	0.0012 J	0.00059 J	0.00062 J	0.00061 J	0.0016 J	0.00096 J	< 0.002 U	0.0012 J	< 0.002 U
Arsenic	NA	mg/l	0.13	0.027	0.046 J-	0.061	0.059	0.06	0.06	0.041 J	0.13	0.055	0.0029 J	0.0033 J	0.0025 J	0.002 J	0.0016 J	0.0023 J	0.0049 J	0.0033 J	0.0016 J	0.0027 J	0.0017 J
Barium	NA	mg/l	0.058	0.041	0.036 J-	0.038	0.12 B	0.038 J	0.042 J	< 0.1 UJ	0.083	0.089	0.023	0.05	0.028	0.04	0.038	0.028	0.02	0.02	0.03	0.022	0.018
Beryllium	NA	mg/l	0.00019 J+	< 0.005 U	0.00058 J-	< 0.001 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 UJ	< 0.01 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.0013 J+	0.00078 J	0.00091 J+	0.00076 J+	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 UJ	< 0.01 U	< 0.01 U	0.0003 J	0.00057 J	0.00029 J	0.00022 J+	0.00026 J+	0.00024 J+	0.00023 J+	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Chromium, Total	NA	mg/l	0.0043	0.0029 J+	0.0021 J-	0.0027	0.0034 J	0.0046 J	< 0.02 U	< 0.04 UJ	0.013 J	0.012 J	0.0027	0.0079	0.017	0.0051	0.0018 J	0.012	< 0.002 U	0.0019 J	< 0.002 U	< 0.002 U	< 0.002 U
Cobalt	NA	mg/l	0.0048 J+	0.019	0.01 J+	0.014 J+	0.013	0.016 J+	0.015	0.02 J	0.008 J	0.0037 J	0.019	0.0053	0.0044	0.0051	0.0094	0.0066	0.0014	0.0021	0.0043	0.0052	0.0035
Fluoride	NA	mg/l	3.3 J	4.2 J	7.4 J-	5.5	4.3	5.5	< 1 U	3.8 J	< 1 U	< 2.5 U	6.7	4.3 J	3.2 J	7.3	3.7	2.4 J	2.4 J	4.7 J	1.4	< 0.5 U	3.5
Lead	NA	mg/l	0.00044 J+	0.00074 J	0.00035 J-	0.00036 J+	0.002 J	0.0016 J+	< 0.01 U	< 0.02 UJ	< 0.01 U	< 0.01 U	0.00064 J	0.0015	0.00058 J	0.00083 J	0.00061 J	0.00054 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Lithium	NA	mg/l	2.2	1.7	2.1 J+	4.8	2.4	2.2	2.3	2.5 J	2.7	3.2	0.75	0.43	0.38	0.4	0.65	0.45	0.26	0.25	0.48	0.66	0.41
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.022 J+	0.051	0.038 J+	0.046 J+	0.042 J	0.044 J+	0.045 J	0.04 J	0.023 J	0.089 J	0.063	0.06	0.054	0.04	0.044	0.039	0.026	0.028	0.032	0.037	0.028
Radium-226	NA	pci/l	0.637 J	0.323	0.715 J-	0.405	0.71	0.415	0.249	0.192 J	0.304	2.59	0.165 U	0.254	1.2 J+	1.67	0.776	0.188	0.155 U	0.022 U	0.14 U	0.198	0.38
Radium-226/228	NA	pci/l	1.39 J	0.498 U	1.88 UJ	1.14	1.43	1.28	0.963	0.291 UJ	0.752	5.32	0.774	1.5	2.41 J+	5.41	1.84	0.865	0.244 UJ	0.374 UJ	0.893	0.45	1.1
Radium-228	NA	pci/l	0.752 J	0.175 U	1.17 UJ	0.735 J+	0.716 J+	0.869 J+	0.713	0.0986 UJ	0.448	2.74	0.609	1.24	1.22	3.74	1.06 J-	0.677	0.0895 UJ	0.352 UJ	0.753 U	0.252 U	0.724
Selenium	NA	mg/l	1.9	0.31	0.81 J-	0.83	0.79	0.6	0.59	0.39 J	1.1	0.57	0.02	0.055	0.014	0.022	0.021	0.011	0.01	0.0081	0.012	0.0093	0.0046 J
Thallium	NA	mg/l	0.00023 J+	0.00018 J	0.0002 J+	< 0.001 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 UJ	< 0.01 U	< 0.01 U	< 0.001 U	0.00052 J	< 0.001 U	< 0.001 U	< 0.001 U	0.00031 J	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Total Suspended Solids	NA	mg/l	130	66	12 J-	46 J+	96	35	27	68 J	15	100	17	54	67	66	18	5.6 J	16	12 J	19	10	8.4
Other																							
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	660	NT	NT	NT	NT	NT	NT	NT	NT	NT	660 J	360	360	380	460	450 B	380	400	400	NT	420 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 5 U	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	660	NT	NT	NT	NT	NT	NT	NT	NT	NT	660 J	360	360	380	460	450 B	380	400	400 B	NT	420 HB
Copper	NA	mg/l	0.046	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NA	mg/l	13	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Magnesium	NA	mg/l	4600	NT	NT	NT	NT	NT	NT	NT	NT	NT	2200	580	480 B	560	1200	900	440	600	910	NT	980
Nitrogen, Nitrate (as N)	NA	mg/l	1 J+	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NA	mg/l	72	NT	NT	NT	NT	NT	NT	NT	NT	NT	6	9.5	7.5	7.3	7.8	8.5	7.7	8	8.9	NT	7.2
Sodium	NA	mg/l	7400	NT	NT	NT	NT	NT	NT	NT	NT	NT	5500 J	2000	1500 B	1600	2800	2500	1100	1500	2200	NT	2400
Zinc	NA	mg/l	0.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

		Sample Location:	W-5B	
		Sample Date:	1/14/2021	4/9/2021
		Sample Type:	N	N
		Location Type:	ottom Ash Pond Monitor We	
		Event:	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**		
Field Parameters				
Conductivity (field)	NA	us/cm	4846	6.385 **
Oxidation-reduction Potential (field)	NA	mV	38.2	49
pH (field)	LPL 6.20 UPL 6.75	su	7.07	7.09
Temperature (field)	NA	deg c	15.8	15.2
Turbidity (field)	NA	ntu	0.02	1.51
Appendix III				
Boron	4.00	mg/l	1	1.1
Calcium	711.0	mg/l	480	480
Chloride	905.0	mg/l	110	99
Fluoride	676.0	mg/l	0.19 J	1.3
pH (lab)	NA	su	7.2 J	7.4 J
Sulfate	90,421	mg/l	3600	3100
Total Dissolved Solids	220,270	mg/l	5300	4700
Appendix IV				
Antimony	NA	mg/l	< 0.02 U	< 0.002 U
Arsenic	NA	mg/l	< 0.05 U	< 0.005 U
Barium	NA	mg/l	< 0.05 U	0.017
Beryllium	NA	mg/l	< 0.01 U	< 0.001 U
Cadmium	NA	mg/l	< 0.01 U	0.0014 J+
Chromium, Total	NA	mg/l	< 0.02 U	< 0.002 U
Cobalt	NA	mg/l	0.004 J	0.0036
Fluoride	NA	mg/l	0.19 J	1.3
Lead	NA	mg/l	< 0.01 U	< 0.001 U
Lithium	NA	mg/l	0.29	0.23
Mercury	NA	mg/l	< 0.002 U	< 0.0002 U
Molybdenum	NA	mg/l	< 0.1 U	0.0018 J
Radium-226	NA	pci/l	0.766	0.445
Radium-226/228	NA	pci/l	1.75	1.65
Radium-228	NA	pci/l	0.985	1.2
Selenium	NA	mg/l	< 0.05 U	0.0011 J
Thallium	NA	mg/l	< 0.01 U	0.00086 J+
Total Suspended Solids	NA	mg/l	2.4 J	2 J
Other				
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	180 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	180 HB
Magnesium	NA	mg/l	NT	240
Potassium	NA	mg/l	NT	13
Sodium	NA	mg/l	NT	620

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

Sample Location:			W-6																			
Sample Date:			12/17/2015	3/17/2016	6/1/2016	9/15/2016	11/29/2016	3/9/2017	5/23/2017	7/20/2017	8/30/2017	3/4/2020	8/27/2020	9/9/2020	9/23/2020	10/7/2020	10/19/2020	11/3/2020	11/20/2020	12/11/2020	1/12/2021	4/9/2021
Sample Type:			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Location Type:			Bottom Ash Pond Monitor Well																			
Event:			2015_Q4	2016_Q1	2016_Q2	2016_Q3	2016_Q4	2017_Q1	2017_Q2	2017_Q3	2017_Cell2_R1	2020_03	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_11_R6	2020_11_R7	2020_12_R8	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**																				
Field Parameters																						
Conductivity (field)	NA	us/cm	50444	NM	NM	NM	NM	36002	NM	NM	NM	NM	12412	7701	8127	8005	6542	6739	6751	7405	7222	9.127 **
Oxidation-reduction Potential (field)	NA	mV	219.8	NM	NM	NM	NM	136.8	NM	NM	NM	NM	136.9	71.5	109	88.6	199.5	82.6	46.1	45.9	-20.4	55.7
pH (field)	LPL 6.20 UPL 6.75	su	7.71	NM	NM	NM	NM	7.45	NM	NM	NM	NM	7.33	7.53	7.38	7.25	7.23	7.21	7.45	7.38	7.36	7.38
Temperature (field)	NA	deg c	13.9	NM	NM	NM	NM	22.3	NM	NM	NM	NM	28.8	19	20.1	19.7	19.5	19.7	18.5	18.9	16.5	16.9
Turbidity (field)	NA	ntu	1000 >	NM	NM	NM	NM	15.7	NM	NM	NM	NM	27.6	30.2	2.69	189	0.02	4.01	1.46	123	59.8	114
Appendix III																						
Boron	4.00	mg/l	0.96 J+	1.2	1.1	2.3 J+	3.6	3.6	4.9 J+	5 J+	5.6 J+	7.7	8.7	8.7	8.7	9.1	9.4	9.3	9.5	7.7	7.5	7
Calcium	711.0	mg/l	500	450	450	450	420 B	450	470	410	440	240	270	400	470	460	440	480	440	270	210	520
Chloride	905.0	mg/l	990	870	840	700	670 B	660	610	540	620	320	190	140	120	130 J	160	130 J	130 J	150	180	130
Fluoride	676.0	mg/l	1.2 J	3.9 J	3.6 J	4.9	4.7	4.9 J	4.9	2.9	4.6	5.6	< 10 U	3.5 J	2.7	< 0.5 U	1.9 J	2.7 J	2.1 J	0.77	1.7	1.7
pH (lab)	NA	su	7.54 J	7.68 J	7.47 J	7.5 J	7.5 J	7.7 J	7.7 J	7.7 J	7.7 J	7.8 J	7.7 J	7.7 J	7.6 J	7.7 J	7.6 J	7.5 J	7.7 J	7.6 J	7.7 J	7.8 J
Sulfate	90,421	mg/l	49000	40000	41000	31000	31000 B	29000	27000	24000	24000	9700	11000	4200	3100	3100	4000	3900 J	42000 J	3600	4800	5200
Total Dissolved Solids	220,270	mg/l	69000	59000	54000	26000	47000 J	42000	44000 R	33000	39000	4300 J+	14000	9400 J	6500	6000	7000	7200 J	7000 J	6000	6200 J	5900
Appendix IV																						
Antimony	NA	mg/l	0.0031 J+	0.0018 J	0.0018 J	0.0015 J+	< 0.02 U	0.0013 J+	< 0.01 U	< 0.01 U	< 0.02 U	0.0012 J	0.00093 J	0.00093 J	0.0011 J	0.0011 J	0.00068 J	0.00064 J	< 0.002 U	< 0.004 U	0.0012 J	0.00094 J
Arsenic	NA	mg/l	0.03	0.0092	0.0088	0.0061	0.0044 J	0.0067	0.0081 J	0.0053 J	< 0.05 U	0.0033 J	0.004 J	0.0018 J	0.006	0.0059	0.0023 J	0.0034 J	0.0033 J	0.0038 J	0.0019 J	0.0044 J
Barium	NA	mg/l	0.062	0.024	0.033	0.02	0.024 J	0.031	0.058	0.025 J+	0.025 J	0.053	0.033	0.05	0.098	0.11	0.026	0.03	0.028	0.079	0.025	0.053
Beryllium	NA	mg/l	0.00044 J+	< 0.001 U	0.000068 J	0.00074 J+	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U
Cadmium	NA	mg/l	0.003 J+	0.0016	0.0018	0.0013	< 0.01 U	0.00087 J	< 0.005 U	< 0.005 U	< 0.01 U	0.0015	0.00067 J	0.00063 J	0.00059 J+	0.00048 J+	0.00034 J+	0.00035 J+	0.0002 J+	0.00068 J+	0.00098 J+	0.00045 J+
Chromium, Total	NA	mg/l	0.008	0.0033	0.0032	0.0011 J+	0.0053 J	0.0087	0.007 J	< 0.01 U	0.011 J	0.004	0.0052	0.042	0.0046	0.0031	0.0015 J	0.0011 J	< 0.002 U	0.0037 J+	< 0.002 U	0.0011 J+
Cobalt	NA	mg/l	0.016 J+	0.013	0.009	0.012 J+	0.0093 J	0.0061	0.0068	0.005	0.0042 J	0.0043	0.0011	0.003	0.0017	0.0016	0.0025	0.0039	0.0037	0.0019 J	0.0022	0.0013
Fluoride	NA	mg/l	1.2 J	3.9 J	3.6 J	4.9	4.7	4.9 J	4.9	2.9	4.6	5.6	< 10 U	3.5 J	2.7	< 0.5 U	1.9 J	2.7 J	2.1 J	0.77	1.7	1.7
Lead	NA	mg/l	0.0029 J+	0.00057 J	0.0011	0.00097 J+	0.0033 J	0.0015 J	0.0032 J	< 0.005 U	< 0.01 U	0.0021	0.001	0.0019	0.003	0.0023	< 0.001 U	< 0.001 U	< 0.001 U	0.0025	0.00069 J	0.0012
Lithium	NA	mg/l	2.2	1.5	1.5	2.1	1.8	1.8	1.6	1.3	1.5	0.43	0.14	0.21	0.08	0.069	0.15	0.16	0.13	0.11	0.18	0.052
Mercury	NA	mg/l	0.000032 J	< 0.0002 U	< 0.0002 U	< 0.0002 U	0.00003 J+	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.74 J+	0.48	0.4	0.32 J+	0.22	0.22	0.16	0.12	0.13	0.19	0.36	0.3	0.5	0.49	0.4	0.42	0.4	0.42	0.4	0.43
Radium-226	NA	pci/l	1.19	0.172	0.351	0.344	0.482 U	0.15 U	0.258	NT	0.212	0.105 U	0.224	2.41 J+	1.33	0.123 U	0.0688 U	0.383	0.183 U	0.227 U	0.503	0.376 U
Radium-226/228	NA	pci/l	1.96 J	0.651 U	0.767 U	0.183 U	0.788 J	0.351 U	0.558	NT	0.879	0.489 U	1.08	2.86 J+	2.66	1.35	0.396 U	0.645 J	0.451 UJ	1.21	0.938	0.114 U
Radium-228	NA	pci/l	NT U	0.479 U	0.416 U	-0.16 U	0.306 U	0.201 U	0.3 U	NT	0.667	0.384 U	0.856	0.447 U	1.33	1.23 J-	0.328 U	0.263 UJ	0.267 UJ	0.978	0.435 U	-0.262 U
Selenium	NA	mg/l	0.15	0.02	0.023	0.016 J+	0.012 J	0.028	0.03	0.031	0.028 J	0.043	0.062	0.025	0.024	0.017	0.0029 J	0.0028 J	0.0025 J	0.0071 J	0.0079	0.015
Thallium	NA	mg/l	0.0017 J+	0.001	0.00091 J	0.0012	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	0.00047 J	0.0002 J	0.00025 J	0.00021 J	< 0.001 U	0.00025 J	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U
Total Suspended Solids	NA	mg/l	920	250	82	16	15	19	NT	23 J+	31 J+	34	21	1900	140	89	6.4	18 J	15 J	110	11 J	11
Other																						
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	800	NT	NT	NT	NT	NT	NT	NT	NT	NT	610	600	570	680	680	640	670	730 B	NT	650 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 5 U	NT	NT	NT	NT	NT	NT	NT	NT	NT	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	800	NT	NT	NT	NT	NT	NT	NT	NT	NT	610	600	570	680	680	640	670	730 B	NT	650 HB
Copper	NA	mg/l	0.025	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NA	mg/l	1.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Magnesium	NA	mg/l	2800	NT	NT	NT	NT	NT	NT	NT	NT	NT	860	550 B	350	300	430	440	480	410	NT	360
Nitrogen, Nitrate (as N)	NA	mg/l	3.6 J+	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NA	mg/l	91	NT	NT	NT	NT	NT	NT	NT	NT	NT	9.9	8.8	10	11	9.6	9.7	11	11	NT	9.3
Sodium	NA	mg/l	17000	NT	NT	NT	NT	NT	NT	NT	NT	NT	1600	1000 B	680	590	920	870	960	800	NT	690
Zinc	NA	mg/l	0.022	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	W-7													
		Sample Date:	8/27/2020	8/27/2020	9/9/2020	9/25/2020	10/7/2020	10/20/2020	10/20/2020	11/4/2020	11/4/2020	11/20/2020	12/4/2020	12/4/2020	1/14/2021	4/12/2021
		Sample Type:	N	FD	N	N	N	N	FD	N	FD	N	N	FD	N	N
		Location Type:	Perimeter Monitor Well													
		Event:	2020_09_R1	2020_09_R1	2020_09_R2	2020_09_R3	2020_10_R4	2020_10_R5	2020_10_R5	2020_11_R6	2020_11_R6	2020_11_R7	2020_12_R8	2020_12_R8	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**														
Field Parameters																
Conductivity (field)	NA	us/cm	38364	38364	38918	41298	39211	42436	42436	40738	40738	42163	39770	39770	36745	53.917 **
Oxidation-reduction Potential (field)	NA	mV	111.9	111.9	171.2	173.7	136	186	186	227.3	227.3	57.4	110.8	110.8	138.9	111.2
pH (field)	LPL 6.20 UPL 6.75	su	6.58	6.58	6.71	6.54	6.55	6.54	6.54	6.41	6.41	6.67	6.62	6.62	6.61	6.53
Temperature (field)	NA	deg c	19.7	19.7	13.7	19.7	17.9	16.1	16.1	17.4	17.4	15.3	16.1	16.1	15.4	14.5
Turbidity (field)	NA	ntu	9.31	9.31	87.4	15.8	8.43	30.1	30.1	9.12	9.12	9.7	8.76	8.76	6.98	22
Appendix III																
Boron	4.00	mg/l	3.8	4.2	2.6	3.1	3.5	3.5	3.5	3.5	3.4	4.1	6.3	6.4	2.2	2.4
Calcium	711.0	mg/l	460	540	360	140	400	410 J	320 J	450	400	170	440	440	440	220
Chloride	905.0	mg/l	740	710	670	670	730	760	750	690	680	630 J	740	730	770	780
Fluoride	676.0	mg/l	< 10 U	< 10 U	84	130 J	42 J	70 J	91 J	170 J	71 J	80 J	< 0.5 U	< 5 UJ	< 0.5 U	< 500 U
pH (lab)	NA	su	6.9 J	6.9 J	7 J	6.8 J	6.8 J	7 J	6.9 J	6.8 J	6.8 J	7 J	6.8 J	6.8 J	6.8 J	7.1 J
Sulfate	90,421	mg/l	54000	55000	46000	47000	55000	46000	48000	78000 J	42000 J	39000 J	41000	43000	48000	39000
Total Dissolved Solids	220,270	mg/l	68000	76000	33000	75000	72000	70000 J	88000 J	71000 J	72000	130000 J	130000 J	69000	69000	66000
Appendix IV																
Antimony	NA	mg/l	0.00057 J	< 0.002 U	0.0006 J	< 0.002 U	< 0.004 U	< 0.002 U	< 0.002 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.002 U
Arsenic	NA	mg/l	0.015	0.01	0.011	0.009	0.012	0.02	0.018	0.011 J	0.015 J	0.022 J	0.017 J	0.0085 J	0.01 J	0.016
Barium	NA	mg/l	0.04 J	0.026 J	0.034	0.015	0.012	0.017	0.017	0.017 J	0.019 J	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	0.013
Beryllium	NA	mg/l	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.002 U	< 0.001 U	< 0.001 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.001 U
Cadmium	NA	mg/l	0.006	0.0055	0.006	0.0051	0.0052	0.0057	0.0058	0.0061 J+	0.006 J+	0.0056 J	0.0072 J	0.0057 J	0.0066 J+	0.0052
Chromium, Total	NA	mg/l	0.0069 J	0.0037 J	0.0053	0.0015 J	< 0.004 U	0.0012 J	0.0013 J	< 0.01 U	< 0.01 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.002 U
Cobalt	NA	mg/l	0.017	0.017	0.016	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.017	0.016	0.018	0.017
Fluoride	NA	mg/l	< 10 U	< 10 U	84	130 J	42 J	70 J	91 J	170 J	71 J	80 J	< 0.5 U	< 5 UJ	< 0.5 U	< 500 U
Lead	NA	mg/l	0.0025 J	0.0012 J	0.0022	0.00075 J	< 0.002 U	0.00084 J	0.00085 J	< 0.005 U	< 0.005 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	0.00082 J
Lithium	NA	mg/l	3.6	4.1	2.9	3.4	3.4	3.8	3.7	4	4	2.8	4	4	4.3	3.9
Mercury	NA	mg/l	0.00019 J	0.00019 J	0.00013 J	0.00019 J	0.00013 J	0.00024 J	0.00023 J	0.00013 J	< 0.0002 U	< 0.0002 UJ	< 0.0002 UJ	< 0.0002 UJ	< 0.002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0053 J	0.005 J	0.0056 J	0.005 J	0.0049 J	0.0052 J	0.005 J	< 0.05 U	< 0.05 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.0045 J
Radium-226	NA	pci/l	2.14	2.28	3.36 J+	1.78	2.24	2.27	2.33	2.4 J	1.94 J	2.43 J	2.17 J	2.76 J	1.91	1.8
Radium-226/228	NA	pci/l	4.74	4.55	5.7 J+	4.05	3.67	4.63	4.88	4.52 J	4.01 J	5.54 J-	3.9 J	5.73 J	4.36	4.88
Radium-228	NA	pci/l	2.6	2.27	2.34 J	2.26	1.43 J-	2.37	2.55	2.13 J	2.07 J	3.11 J-	1.72 J	2.97 J	2.45	3.07
Selenium	NA	mg/l	1.8	1.9	1.9	2	1.7	2.1	2.2	1.6	1.6	1.5	1.4	1.4	1.5	2
Thallium	NA	mg/l	0.0047	0.0046	0.0048	0.0045	0.0046	0.0048	0.0049	0.0057	0.0054	0.005 J	0.011	0.0056 J	0.0042 J	0.0044
Total Suspended Solids	NA	mg/l	120	140	120	25	14	82 J	35 J	95 J	100	23 J	82	71	72	56 J
Other																
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	910	900	910	920	1000	1000	1000 B	940	1000	960	990	980	NT	1000 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	910	900	910	920	1000	1000	1000 B	940	1000	960	990	980 B	NT	1000 HB
Magnesium	NA	mg/l	7200	7200	7000 B	6300	6600	6800	6900	6900	7000	7500	7200	6100	NT	7600
Potassium	NA	mg/l	58	56	58	55	58	59	60	59	60	66	62	54	NT	60
Sodium	NA	mg/l	7600	7600	7400 B	6600	6900	8200	8500	7300	7300	8100	7500	6500	NT	8000

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

Sample Location:		**W-8B**
Sample Date:		**9/4/2020**
Sample Type:		**N**
Location Type:		**erimeter Monitor Well**
Event:		**2020_09_R1**
Constituent	**Unit**	
Field Parameters		
Conductivity (field)	us/cm	NM
Oxidation-reduction Potential (field)	mV	NM
pH (field)	su	NM
Temperature (field)	deg c	NM
Turbidity (field)	ntu	NM
Appendix III		
Boron	mg/l	1.6
Calcium	mg/l	2500
Appendix IV		
Antimony	mg/l	0.077
Arsenic	mg/l	1.2
Barium	mg/l	2.9
Beryllium	mg/l	0.059
Cadmium	mg/l	0.24
Chromium, Total	mg/l	2.1
Cobalt	mg/l	0.65
Lead	mg/l	1.6
Lithium	mg/l	1.2
Mercury	mg/l	0.0032 J
Molybdenum	mg/l	0.68
Selenium	mg/l	0.52
Thallium	mg/l	0.038
Other		
Magnesium	mg/l	680
Potassium	mg/l	280
Sodium	mg/l	720 ^

Notes:

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		Sample Location:	W-9	
		Sample Date:	1/13/2021	4/19/2021
		Sample Type:	N	N
		Location Type:	Perimeter Monitor Well	
		Event:	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**		
Field Parameters				
Conductivity (field)	NA	us/cm	15352	20.147**
Oxidation-reduction Potential (field)	NA	mV	120.7	22.2
pH (field)	LPL 6.20 UPL 6.75	su	6.87	6.85
Temperature (field)	NA	deg c	15.3	15.5
Turbidity (field)	NA	ntu	10.3	5.41
Appendix III				
Boron	4.00	mg/l	1.9	2.6
Calcium	711.0	mg/l	380	390
Chloride	905.0	mg/l	360	360
Fluoride	676.0	mg/l	< 0.5 U	0.37 J
pH (lab)	NA	su	7.2 J	7.3 J
Sulfate	90,421	mg/l	11000	12000
Total Dissolved Solids	220,270	mg/l	16000	18000
Appendix IV				
Antimony	NA	mg/l	0.0017 J	< 0.01 U
Arsenic	NA	mg/l	0.001 J	< 0.025 U
Barium	NA	mg/l	0.021	0.024 J
Beryllium	NA	mg/l	< 0.001 U	< 0.005 U
Cadmium	NA	mg/l	0.00077 J+	< 0.005 U
Chromium, Total	NA	mg/l	0.0013 J	< 0.01 U
Cobalt	NA	mg/l	0.016	0.0064
Fluoride	NA	mg/l	< 0.5 U	0.37 J
Lead	NA	mg/l	< 0.001 U	< 0.005 U
Lithium	NA	mg/l	1.1	1
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.0075 J	0.0077 J
Radium-226	NA	pci/l	1.04	1.09
Radium-226/228	NA	pci/l	1.43	1.94
Radium-228	NA	pci/l	0.384 U	0.846
Selenium	NA	mg/l	0.0046 J	0.0055 J
Thallium	NA	mg/l	0.00033 J	< 0.005 U
Total Suspended Solids	NA	mg/l	9.6	24
Other				
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	670
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	< 10 U
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	670
Magnesium	NA	mg/l	NT	1300
Potassium	NA	mg/l	NT	22
Sodium	NA	mg/l	NT	2500 B

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

**Field parameter pending confirmation.

		Sample Location:	W-10B	
		Sample Date:	1/13/2021	4/13/2021
		Sample Type:	N	N
		Location Type:	Perimeter Monitor Well	
		Event:	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Unit**		
Field Parameters				
Conductivity (field)	NA	us/cm	44103	39911
Oxidation-reduction Potential (field)	NA	mV	130.6	170.4
pH (field)	NA	su	6.96	6.72
Temperature (field)	NA	deg c	16.7	16.3
Turbidity (field)	NA	ntu	51.8	52.4
Appendix III				
Boron	NA	mg/l	2.9	2.9
Calcium	NA	mg/l	250	370
Chloride	NA	mg/l	1200	1100
Fluoride	NA	mg/l	< 10 U	< 0.5 U
pH (lab)	NA	su	7.1 J	7 J
Sulfate	NA	mg/l	84000	60000
Total Dissolved Solids	NA	mg/l	79000	79000
Appendix IV				
Antimony	NA	mg/l	0.0011 J	0.00064 J
Arsenic	NA	mg/l	0.045	0.046
Barium	NA	mg/l	0.06	0.028
Beryllium	NA	mg/l	0.00063 J	< 0.001 U
Cadmium	NA	mg/l	0.00082 J+	0.00044 J+
Chromium, Total	NA	mg/l	0.01	0.0068
Cobalt	NA	mg/l	0.014	0.004
Fluoride	NA	mg/l	< 10 U	< 0.5 U
Lead	NA	mg/l	0.0047	0.0013
Lithium	NA	mg/l	5.5	4.5
Mercury	NA	mg/l	< 0.0002 U	< 0.0002 U
Molybdenum	NA	mg/l	0.012	0.0056 J
Radium-226	NA	pci/l	1.32	0.815
Radium-226/228	NA	pci/l	3.71	2.32
Radium-228	NA	pci/l	2.38	1.5
Selenium	NA	mg/l	7.1	6.5
Thallium	NA	mg/l	0.0065	0.0042
Total Suspended Solids	NA	mg/l	50	55
Other				
Alkalinity, Bicarbonate (as CaCO3)	NA	mg/l	NT	1000 H
Alkalinity, Carbonate (as CaCO3)	NA	mg/l	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	mg/l	NT	1000 HB
Magnesium	NA	mg/l	NT	9700
Potassium	NA	mg/l	NT	74
Sodium	NA	mg/l	NT	6300

Notes:

*95 UPLs based on W-2A

NA = Not Applicable

NT = Not Tested

NM = Not Measured

			Sample Location:	W-11	
			Sample Date:	1/13/2021	4/9/2021
			Sample Type:	N	N
			Location Type:	Perimeter Monitor Well	
			Event:	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Landfill BTVs for Detection Monitoring****	**Unit**		
Field Parameters					
Conductivity (field)	NA	NA	us/cm	17940	19475
Oxidation-reduction Potential (field)	NA	NA	mV	173.5	106.1
pH (field)	LPL 6.20 UPL 6.75	LPL 6.08 UPL 7.67	su	6.89	6.83
Temperature (field)	NA	NA	deg c	15.1	15.8
Turbidity (field)	NA	NA	ntu	4.8	8.54
Appendix III					
Boron	4.00	6.9	mg/l	1.1	1.9
Calcium	711.0	480	mg/l	370	360
Chloride	905.0	3,000	mg/l	350	290
Fluoride	676.0	84	mg/l	2.7	17 J
pH (lab)	NA	NA	su	7.1 J	7.2 J
Sulfate	90,421	48,000	mg/l	14000	15000
Total Dissolved Solids	220,270	120,000	mg/l	20000	24000
Appendix IV					
Antimony	NA	NA	mg/l	< 0.002 U	0.0014 J+
Arsenic	NA	NA	mg/l	0.019	0.019
Barium	NA	NA	mg/l	0.014	0.013
Beryllium	NA	NA	mg/l	< 0.001 U	< 0.001 U
Cadmium	NA	NA	mg/l	0.0011	0.0011 J+
Chromium, Total	NA	NA	mg/l	< 0.002 U	0.0021 J+
Cobalt	NA	NA	mg/l	0.0073	0.01
Fluoride	NA	NA	mg/l	2.7	17 J
Lead	NA	NA	mg/l	< 0.001 U	< 0.001 U
Lithium	NA	NA	mg/l	3.9	3.2
Mercury	NA	NA	mg/l	< 0.0002 U	< 0.0002 U
Molybdenum	NA	NA	mg/l	0.0037 J	0.0041 J
Radium-226	NA	NA	pci/l	1.6	1.72
Radium-226/228	NA	NA	pci/l	3.49	3.82
Radium-228	NA	NA	pci/l	1.89	2.1
Selenium	NA	NA	mg/l	2.5	2.3
Thallium	NA	NA	mg/l	0.0036	0.0036
Total Suspended Solids	NA	NA	mg/l	5.2	9.2
Other					
Alkalinity, Bicarbonate (as CaCO3)	NA	NA	mg/l	NT	1100 H
Alkalinity, Carbonate (as CaCO3)	NA	NA	mg/l	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	NA	mg/l	NT	1100 HB
Magnesium	NA	NA	mg/l	NT	1500
Potassium	NA	NA	mg/l	NT	43
Sodium	NA	NA	mg/l	NT	3800 B

Notes:

*95 UPLs based on W-2A; **based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured

			Sample Location:	W-12	
			Sample Date:	1/13/2021	4/12/2021
			Sample Type:	N	N
			Location Type:	Perimeter Monitor Well	
			Event:	2021_01	2021_04
Constituent	**BAP BTVs for Detection Monitoring***	**Landfill BTVs for Detection Monitoring****	**Unit**		
Field Parameters					
Conductivity (field)	NA	NA	us/cm	20536	20526
Oxidation-reduction Potential (field)	NA	NA	mV	182.3	139.7
pH (field)	LPL 6.20 UPL 6.75	LPL 6.08 UPL 7.67	su	6.83	6.78
Temperature (field)	NA	NA	deg c	14.5	14.9
Turbidity (field)	NA	NA	ntu	4.9	4.7
Appendix III					
Boron	4.00	6.9	mg/l	1.3	1
Calcium	711.0	480	mg/l	160	350
Chloride	905.0	3,000	mg/l	870	870
Fluoride	676.0	84	mg/l	< 0.5 U	0.77
pH (lab)	NA	NA	su	7.1 J	7.2 J
Sulfate	90,421	48,000	mg/l	16000	17000
Total Dissolved Solids	220,270	120,000	mg/l	23000	23000
Appendix IV					
Antimony	NA	NA	mg/l	0.00072 J	0.00064 J
Arsenic	NA	NA	mg/l	< 0.005 U	< 0.005 U
Barium	NA	NA	mg/l	0.017	0.013
Beryllium	NA	NA	mg/l	< 0.001 U	< 0.001 U
Cadmium	NA	NA	mg/l	0.0012	0.0011 J+
Chromium, Total	NA	NA	mg/l	< 0.002 U	0.00098 J+
Cobalt	NA	NA	mg/l	0.022	0.029
Fluoride	NA	NA	mg/l	< 0.5 U	0.77
Lead	NA	NA	mg/l	< 0.001 U	< 0.001 U
Lithium	NA	NA	mg/l	2.1	2
Mercury	NA	NA	mg/l	< 0.0002 U	< 0.0002 U
Molybdenum	NA	NA	mg/l	0.0046 J	0.0039 J
Radium-226	NA	NA	pci/l	0.701	0.719
Radium-226/228	NA	NA	pci/l	1.85	2.38
Radium-228	NA	NA	pci/l	1.15	1.66
Selenium	NA	NA	mg/l	0.029	0.022
Thallium	NA	NA	mg/l	0.0037	0.0036
Total Suspended Solids	NA	NA	mg/l	7.2	22
Other					
Alkalinity, Bicarbonate (as CaCO3)	NA	NA	mg/l	NT	1400 H
Alkalinity, Carbonate (as CaCO3)	NA	NA	mg/l	NT	< 10 UH
Alkalinity, Total (as CaCO3)	NA	NA	mg/l	NT	1400 HB
Magnesium	NA	NA	mg/l	NT	1100
Potassium	NA	NA	mg/l	NT	37
Sodium	NA	NA	mg/l	NT	5500

Notes:

*95 UPLs based on W-2A; **based on MW-3 and MW-5

NA = Not Applicable

NT = Not Tested

NM = Not Measured