

ENCLOSURE 4

UPDATED GROUNDWATER SAMPLING DATA

		Volatiles/Semivolatiles				Inorganics			Radionuclides-Alpha Spec (Activity)				Radionuclides-ICPMS (concentration)				Rad-Beta/Tc-99	
Well	Sample Date	Tetrachloroethene µg/L	Trichloroethene µg/L	cis-1,2- dichloroethene µg/L	Vinyl Chloride	Fluoride mg/L	Ammonia NH3(N) mg/L	Nitrate NO3 mg/L	Gross Alpha pCi/L	Isotopic U _{233/234} pCi/L	Isotopic U _{235/236} pCi/L	Isotopic U ₂₃₈ pCi/L	Isotopic U ₂₃₄ µg/L	Isotopic U ₂₃₅ µg/L	Isotopic U ₂₃₈ µg/L	Total U ug/L	Gross Beta pCi/L	Tc-99 pCi/L
		MCL=5	MCL=5	MCL=70		MCL=4		MCL=10	action level = 15	MCL=84	MCL=84	MCL=84	MCL = 30 µg/L	MCL = 30 µg/L	MCL = 30 µg/L	MCL = 30 µg/L	action level = 50*	MCL=900
		LOQ=1.0	LOQ=1.0	LOQ=1.0		PQL= before May 2018: 0.5 May 2018 to present: 0.1	PQL= before May 2018: 1.0 May 2018 to present: 0.1	PQL=0.02	MDC varies	MDC varies	MDC varies	MDC varies					MDC varies	MDC varies; RL = before July 2018: 300 July 2018 to present: 50
RW-1 CURRENTLY CAPPED- NOT IN SERVICE	Oct/Nov-18																	
	Jan-19																	
WRW-2	Oct/Nov-18	= 190	= 7.0	< 1.0		= 0.098	= 0.0192	= 14	< 3.35	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	= 7.07	Not Analyzed
	Jan-19	= 150	= 12	< 1.0	< 1.0	= 0.104	= 0.044	= 14	< 3.77	= 0.323	= 0.366	= 0.495	< 0.010	< 0.010	E 0.079	E 0.079	= 9.11	< 40.0
W3A	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.067	= 0.0241	< 0.020	< 4.21	= 0.385	= 0.312	= 0.318	< 0.010	< 0.010	< 0.067	< 0.067	< 4.81	< 44.3
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.038	= 0.028	< 0.020	< 3.82	< 0.306	< 0.240	< 0.194	< 0.010	< 0.010	< 0.067	< 0.067	< 4.96	< 29.4
W4	Oct/Nov-18	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled	Dry - Not Sampled
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 4.56	= 0.0269	= 8.4	< 4.54	= 0.541	= 0.318	< 0.158	< 0.010	< 0.010	E 0.143	E 0.143	= 28.6	< 45.4
W6	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.058	= 6.16	= 14	= 8.41	= 1.00	< 0.344	< 0.332	< 0.010	E 0.011	= 0.409	= 0.420	= 765	= 861
	Jan-19	= 10	= 1.8	= 1.9	< 1.0	= 0.136	= 60.5	= 150	= 34.55	= 0.397	< 0.267	= 0.327	< 0.010	< 0.010	= 0.200	= 0.200	= 1,615	= 2370
W7A	Oct/Nov-18	= 1.8	< 1.0	< 1.0		= 6.86	= 65	= 370	< 3.96	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	= 0.691	= 0.691	= 110	= 175
	Jan-19	= 1.7	< 1.0	< 1.0	< 1.0	= 6.6	= 62.5	= 350	= 8.92	= 0.559	< 0.264	= 0.558	< 0.010	< 0.010	= 0.719	= 0.719	= 122.5	= 160
	6/4/19	= 2.1	< 1.0	< 1.0	< 1.0	= 6.49	= 65.5	= 350	= 13.3	= 0.378	< 0.343	< 0.319	< 0.010	< 0.010	= 0.812	= 0.812	= 141.5	= 176
W10	Oct/Nov-18	< 1.0	< 1.0	< 1.0		= 3.46	= 2.21	= 21	< 4.78	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	E 0.0841	E 0.0841	= 68.7	= 90.0
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 3.42	= 4.62	= 15	< 4.64	< 0.399	< 0.322	< 0.364	< 0.010	< 0.010	E 0.0854	E 0.0854	= 50.9	= 80.9
	6/4/19	< 1.0	< 1.0	< 1.0	< 1.0	= 3.59	= 7.41	= 22	= 4.50	< 0.384	< 0.309	< 0.275	< 0.010	< 0.010	E 0.114	E 0.114	= 66.4	= 88.7
W11	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.01	= 4.59	= 57	= 7.82	< 0.315	< 0.153	< 0.198	< 0.010	< 0.010	< 0.067	< 0.067	= 2,160	= 3570
	12/5/2018	< 5.0	< 5.0	< 5.0		= 0.00	= 6.4	= 32	= 14.2	< 0.272	< 0.340	< 0.275	< 0.010	< 0.010	< 0.067	< 0.067	= 2,450	= 3640
	Jan-19	= 2.0	< 1.0	< 1.0	< 1.0	= 0.018	= 6.42	= 64	= 17.0	= 0.497	< 0.260	< 0.368	< 0.010	< 0.010	E 0.192	E 0.192	= 1,810	= 4200
6/5/19	= 1.9	= 1.3	< 1.0	< 1.0	= 0.005	= 4.37	= 50	= 20.9	< 0.177	< 0.156	< 0.126	< 0.010	< 0.010	E 0.0696	E 0.0696	= 2,060	= 2660	
W13R	Oct/Nov-18	= 39	= 3.1	= 1.4		= 8.79	= 38.8	= 24	< 4.87	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	E 0.131	E 0.131	= 97.6	= 149
	Jan-19	= 46	= 3.7	= 1.3	< 1.0	= 8.29	= 31.8	= 21	= 4.28	< 0.387	< 0.288	< 0.211	< 0.010	< 0.010	E 0.149	E 0.149	= 73.5	= 111
	6/6/19	= 14	= 1.3	< 1.0	< 1.0	= 7.95	= 28.1	= 16	< 4.65	< 0.337	< 0.284	< 0.180	< 0.010	< 0.010	E 0.128	E 0.128	= 48.9	= 60.9
W14	Oct/Nov-18	= 35	= 5.3	< 1.0		= 0.025	= 0.175	= 3.3	< 4.01	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	< 3.62	Not Analyzed
	Jan-19	= 9.9	= 2.1	< 1.0	< 1.0	= 0.066	= 1.64	= 0.50	< 4.05	< 0.378	< 0.382	< 0.375	< 0.010	< 0.010	E 0.104	E 0.104	= 11.3	< 31.0
W15	Oct/Nov-18	= 11	= 2.0	= 1.2		= 1.86	= 13.1	= 44	< 4.99	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	= 194.5	= 265
	Jan-19	= 8.4	= 1.6	< 1.0	< 1.0	= 2.26	= 18.4	= 49	= 4.48	< 0.304	< 0.287	< 0.296	< 0.010	< 0.010	< 0.067	< 0.067	= 145.5	= 233
	6/4/19	= 13	= 2.3	= 1.2	< 1.0	= 1.92	= 13.4	= 44	< 4.99	< 0.337	< 0.258	< 0.113	< 0.010	< 0.010	E 0.103	E 0.103	= 186	= 281
W16	Oct/Nov-18	= 11	= 2.9	= 3.2		= 8.62	= 18.2	= 4.6	< 4.97	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	= 17.2	Not Analyzed
	Jan-19	= 6.4	= 1.7	= 1.2	< 1.0	= 7.61	= 15.3	= 3.0	= 5.21	< 0.401	< 0.305	< 0.380	< 0.010	< 0.010	E 0.113	E 0.113	= 15.4	< 30.5
	6/4/19	= 9.6	= 2.4	= 1.5	< 1.0	= 8.36	= 17.1	= 3.8	< 4.47	< 0.412	< 0.346	< 0.243	< 0.010	< 0.010	E 0.0846	E 0.0846	= 18.3	< 35.9
W17	Oct/Nov-18	< 1.0	< 1.0	< 1.0		= 4.02	= 12.9	= 4.5	< 4.87	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	E 0.157			

		Volatiles/Semivolatiles				Inorganics			Radionuclides-Alpha Spec (Activity)				Radionuclides-ICPMS (concentration)				Rad-Beta/Tc-99	
Well	Sample Date	Tetrachloroethene µg/L	Trichloroethene µg/L	cis-1,2- dichloroethene µg/L	Vinyl Chloride	Fluoride mg/L	Ammonia NH3(N) mg/L	Nitrate NO3 mg/L	Gross Alpha pCi/L	Isotopic U _{233/234} pCi/L	Isotopic U _{235/236} pCi/L	Isotopic U ₂₃₈ pCi/L	Isotopic U ₂₃₄ µg/L	Isotopic U ₂₃₅ µg/L	Isotopic U ₂₃₈ µg/L	Total U ug/L	Gross Beta pCi/L	Tc-99 pCi/L
		MCL=5	MCL=5	MCL=70		MCL=4		MCL=10	action level = 15	MCL=84	MCL=84	MCL=84	MCL = 30 µg/L	MCL = 30 µg/L	MCL = 30 µg/L	MCL = 30 µg/L	action level = 50*	MCL=900
W40	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.124	= 0.0203	= 4.6	= 6.93	< 0.225	< 0.198	< 0.160	< 0.010	< 0.010	< 0.067	< 0.067	= 5.20	< 36.4
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.164	= 0.0552	= 2.6	= 3.21	= 0.519	< 0.302	= 0.409	< 0.010	< 0.010	E 0.142	E 0.142	< 4.66	< 48.4
W41R	Oct/Nov-18	= 310	= 23	< 5.0		= 0.041	= 0.033	= 55	< 4.89	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	= 12.1	Not Analyzed
	Jan-19	= 200	= 6.9	= 5.0	< 1.0	= 0.056	= 0.0777	= 44	< 4.32	= 0.281	< 0.300	< 0.182	< 0.010	< 0.010	< 0.067	< 0.067	= 8.44	< 41.1
W42	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 1.49	= 0.429	= 4.0	< 3.50	< 0.329	< 0.271	< 0.339	< 0.010	< 0.010	< 0.067	< 0.067	< 2.98	< 40.6
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 1.51	= 0.153	= 3.6	< 3.39	= 0.376	= 0.420	= 0.280	< 0.010	< 0.010	< 0.067	< 0.067	= 8.61	< 41.4
W43	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.020	= 0.0196	= 7.2	< 3.97	= 0.331	= 0.280	= 0.274	< 0.010	< 0.010	< 0.067	< 0.067	< 4.79	< 38.5
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.008	= 0.0316	= 9.0	< 4.53	= 0.727	= 0.443	= 0.246	< 0.010	< 0.010	< 0.067	< 0.067	= 3.36	< 41.4
W44	Oct/Nov-18	< 1.0	< 1.0	< 1.0		= 0.019	= 0.017	= 3.5	< 4.65	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	< 0.067	< 0.067	< 4.87	Not Analyzed
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.046	= 0.091	= 2.9	< 4.22	< 0.379	< 0.342	< 0.287	< 0.010	< 0.010	< 0.067	< 0.067	= 4.49	< 42.1
W45	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.861	= 0.409	= 0.95	= 4.47	= 3.55	= 0.371	= 0.907	< 0.010	E 0.0586	= 2.53	= 2.58	< 4.69	< 39.2
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.614	= 1.39	= 0.74	= 5.34	= 1.35	= 0.351	= 0.541	< 0.010	E 0.0244	= 1.02	= 1.05	< 4.96	< 43.5
W46	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.033	= 0.0144	= 7.6	< 3.57	< 0.306	< 0.268	< 0.255	< 0.010	< 0.010	< 0.067	< 0.067	= 48.6	= 49.7
	Jan-19	= 1.7	< 1.0	< 1.0	< 1.0	= 0.015	= 0.0569	= 7.6	< 4.75	< 0.386	= 0.270	= 0.362	< 0.010	< 0.010	< 0.067	< 0.067	= 41.3	< 41.4
W47	Oct/Nov-18	= 3.1	< 1.0	< 1.0		= 4	= 22.9	= 84	< 4.75	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	E 0.0797	E 0.0797	= 105	= 113
	Jan-19	= 2.4	< 1.0	< 1.0	< 1.0	= 4.23	= 20	= 71	= 5.21	= 0.382	< 0.256	= 0.283	< 0.010	< 0.010	< 0.067	< 0.067	= 91.2	= 97.8
W48	Oct/Nov-18	= 150	= 4.9	= 2.2		= 0.529	= 0.0322	= 5.3	< 4.09	Not Analyzed	Not Analyzed	Not Analyzed	< 0.010	< 0.010	E 0.0922	E 0.0922	= 14.8	Not Analyzed
	Jan-19	= 180	= 5.1	= 2.1	< 1.0	= 0.341	= 0.0678	= 5.0	= 3.90	= 0.294	= 0.425	< 0.195	< 0.010	< 0.010	< 0.067	< 0.067	= 15.7	< 39.7
W49	Oct/Nov-18	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered
	12/13/2018	< 1.0	< 1.0	< 1.0	< 1.0	= 0.011	= 0.0235	< 0.020	< 4.60	< 0.382	< 0.488	< 0.418	< 0.010	< 0.010	E 0.104	E 0.104	< 4.57	< 41.6
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.003	= 0.0152	< 0.020	= 3.87	< 0.361	< 0.270	< 0.260	< 0.010	< 0.010	E 0.0731	E 0.0731	< 3.28	< 41.8
W50	Oct/Nov-18	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered	Not Sampled - Tubing Backordered
	Dec 2018	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet	Tubing would only extend ~30 feet
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.006	= 0.0609	< 0.020	< 3.17	= 0.685	= 0.265	< 0.245	< 0.010	< 0.010	E 0.0876	E 0.0876	< 4.23	< 39.9
W51 TMW-1	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.304	= 0.274	= 0.030	< 3.85	= 0.161	< 0.105	< 0.150	< 0.010	< 0.010	< 0.067	< 0.067	= 4.67	< 43.5
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.258	= 0.1	= 0.023	< 3.97	< 0.294	< 0.319	< 0.193	< 0.010	< 0.010	< 0.067	< 0.067	< 4.45	< 43.5
W52 TMW-2	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.957	= 0.0476	= 2.3	< 4.57	= 0.146	< 0.0895	< 0.105	< 0.010	< 0.010	< 0.067	< 0.067	= 6.58	< 42.3
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 1.08	= 0.0342	= 2.4	< 3.14	= 0.368	< 0.211	< 0.197	< 0.010	< 0.010	< 0.067	< 0.067	< 4.17	< 42.2
W53 TMW-3	Oct/Nov-18	< 5.0	< 5.0	= 19		= 0.262	= 0.0611	= 0.67	= 4.68	= 0.199	< 0.172	< 0.130	< 0.010	< 0.010	E 0.0784	E 0.0784	= 7.06	< 41.0
	Jan-19	= 4.6	< 1.0	= 46	= 2.1	= 0.069	= 0.0412	= 0.063	< 3.20	= 0.376	< 0.215	< 0.232	< 0.010	< 0.010	< 0.067	< 0.067	< 4.09	< 39.7
W54 TMW-4	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.264	= 0.0198	= 2.9	< 3.31	< 0.201	< 0.0862	= 0.118	< 0.010	< 0.010	< 0.067	< 0.067	< 4.46	< 41.9
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.153	= 0.0083	= 3.0	< 3.47	= 0.779	= 0.286	= 0.405	< 0.010	< 0.010	< 0.067	< 0.067	< 4.04	< 37.2
W55 TMW-5	Oct/Nov-18	< 5.0	< 5.0	< 5.0		= 0.06	= 0.0342	= 3.3	= 425	= 308	= 15.4	= 64.8	= 0.0519	= 6.07	= 181	= 187	= 64.2	< 40.9
	Jan-19	< 1.0	< 1.0	< 1.0	< 1.0	= 0.065	= 0.0059	= 3.5	= 466	= 283	= 19.1	= 69.4	E 0.0459	= 5.60	= 172	= 178	= 84.0	< 39.0