

Sample Point	Date	Dip to leachate (m)	Leachate head (m)	Leachate level (mAOD)	Data Comments
LEW05A	26/10/2020	11.66	0	10	Dry
LEW05A	10/11/2020				
LEW05A	17/11/2020	11.66	0	10	
LEW05A	27/11/2020	11.66	0	10	
LEW05A	15/12/2020				Dry
LEW06	26/10/2020	19	0.59	14.05	
LEW06	10/11/2020	19.03	0.56	14.02	
LEW06	17/11/2020	19.08	0.51	13.97	
LEW06	27/11/2020	19	0.59	14.05	
LEW06	15/12/2020	19.06	0.53	13.99	
LEW07	26/10/2020	21.27	0.87	13.37	
LEW07	10/11/2020	21.12	1.02	13.52	
LEW07	17/11/2020	21.14	1	13.5	
LEW07	27/11/2020	21.22	0.92	13.42	
LEW07	15/12/2020	21.04	1.1	13.6	
LEW08	26/10/2020	21.34	1.88	15.07	
LEW08	10/11/2020	23.25	0.17	13.16	
LEW08	17/11/2020	21.3	1.92	15.11	
LEW08	27/11/2020	23.27	0.15	13.14	
LEW08	15/12/2020	23.27	0.15	13.19	
LEW09	26/10/2020	22.08	4.2	16.88	Pump off to move services
LEW09	10/11/2020	22.12	4.16	16.84	
LEW09	17/11/2020	22	4.28	16.96	
LEW09	27/11/2020	22.09	4.19	16.87	
LEW09	15/12/2020	21.63	4.61	17.29	
LEW09b	26/10/2020	8.82	4.1	14.89	Pump off to move services
LEW09b	10/11/2020	9.5	3.42	14.21	Pump off to move services
LEW09b	17/11/2020	8.62	4.3	15.09	Pump off to move services
LEW09b	27/11/2020	8.48	4.44	15.23	
LEW09b	15/12/2020	12	4.61	15.4	
LEW10a	26/10/2020	21	0	14.14	Dry
LEW10a	10/11/2020				
LEW10a	17/11/2020	21	0	14.14	
LEW10a	27/11/2020	21	0	14.14	
LEW10a	15/12/2020	20.18	0.82	14.96	
LEW11A	26/10/2020	12.52	0.1	12.34	
LEW11A	10/11/2020	12.37	0.25	12.49	
LEW11A	17/11/2020	12.35	0.27	12.51	
LEW11A	27/11/2020	12.41	0.21	12.45	
LEW11A	15/12/2020	12.43	0.19	12.43	
LEW12a	26/10/2020	22.8	1.93	12.58	Dry
LEW12a	10/11/2020	23.71	1.02	11.67	
LEW12a	17/11/2020				
LEW12a	27/11/2020	23.73	1	11.65	
LEW12a	15/12/2020	23.63	1.1	11.75	
LEW13a	26/10/2020	13.45	0.95	12.08	
LEW13a	10/11/2020	13.35	1.05	12.18	

LEW13a	17/11/2020	13.48	0.92	12.05	
LEW13a	27/11/2020	13.21	1.19	12.32	
LEW13a	15/12/2020	13.32	1.08	12.21	
LEW14	26/10/2020	8.78	13.15	23.65	Disconnected for capping works
LEW14	10/11/2020				No access
LEW14	17/11/2020				Dip tape was stuck
LEW14	27/11/2020				Dip tape was stuck
LEW14	15/12/2020	20.53	1.3	11.8	
LEW14a	26/10/2020	18.71	2.76	12.76	
LEW14a	10/11/2020	17.62	3.85	13.85	
LEW14a	17/11/2020				Dip tape was stuck
LEW14a	27/11/2020				No access
LEW14a	15/12/2020	17.12	4.32	14.32	
LEW15	26/10/2020				Well off limits due to ramp works
LEW15	10/11/2020				Well off limits due to ramp works
LEW15	17/11/2020				Well off limits due to ramp works
LEW15	27/11/2020				Well off limits due to ramp works
LEW15	15/12/2020	12	2.19	12.49	
LEW16	26/10/2020	10.47	1.21	12.39	
LEW16	10/11/2020	11	0.68	11.86	
LEW16	17/11/2020	11.2	0.48	11.66	
LEW16	27/11/2020	10.93	1.07	11.93	
LEW16	15/12/2020	14	0.39	11.57	
LEW20	26/10/2020	6.8	2.19	13.39	
LEW20	10/11/2020	7.72	1.27	12.47	
LEW20	17/11/2020	7.7	1.29	12.49	
LEW20	27/11/2020	7.26	1.73	12.93	
LEW20	15/12/2020	7.94	1.05	12.25	
LEW21	26/10/2020	17.82	3.46	15.66	
LEW21	10/11/2020	18	3.28	15.48	
LEW21	17/11/2020	17.9	3.38	15.58	
LEW21	27/11/2020	17.49	3.79	15.99	
LEW21	15/12/2020	17.33	3.95	16.15	
LEW22	26/10/2020	20.75	1.55	14.15	
LEW22	10/11/2020	20.71	1.59	14.19	
LEW22	17/11/2020	20.75	1.55	14.15	
LEW22	27/11/2020	20.73	1.57	14.17	
LEW22	15/12/2020	20.72	1.58	14.18	
LEW23	26/10/2020	17.9	3.54	14.74	
LEW23	10/11/2020	18.24	3.2	14.4	
LEW23	17/11/2020	17.9	3.54	14.74	
LEW23	27/11/2020	18.24	3.2	14.4	
LEW23	15/12/2020	17.84	3.6	14.8	
LEW24	26/10/2020	24.59	3.37	14.87	
LEW24	10/11/2020	24.33	3.63	15.13	
LEW24	17/11/2020	24.3	3.66	15.16	
LEW24	27/11/2020	24.16	3.8	15.3	
LEW24	15/12/2020	24.17	3.77	15.27	
LEW25	26/10/2020	23.32	1.52	11.22	
LEW25	10/11/2020	23.31	1.53	11.23	

LEW25	17/11/2020	23.29	1.55	11.25	
LEW25	27/11/2020	11.2	11.54	23.34	
LEW25	15/12/2020	23.28	1.56	11.26	
LEW26	26/10/2020	13.63	2.26	11.46	
LEW26	10/11/2020	14.69	1.2	10.4	
LEW26	17/11/2020	12.58	3.31	12.51	
LEW26	27/11/2020	12.24	3.65	12.85	
LEW26	15/12/2020	12.13	3.76	12.96	
LEW27	26/10/2020	21.18	3.6	13.7	
LEW27	10/11/2020	21.04	3.74	13.84	
LEW27	17/11/2020	20.99	3.79	13.89	
LEW27	27/11/2020	21	3.78	13.88	
LEW27	15/12/2020	20.9	3.81	13.91	
LEW28	26/10/2020	16.2	2	11.3	
LEW28	10/11/2020	15.42	2.78	12.08	
LEW28	17/11/2020	15.1	3.1	12.4	
LEW28	27/11/2020	12.32	5.88	15.18	
LEW28	15/12/2020	16.25	1.95	11.25	
LEW29	26/10/2020	17.69	1.36	10.76	
LEW29	10/11/2020	17.66	1.39	10.79	
LEW29	17/11/2020	17.67	1.38	10.78	
LEW29	27/11/2020	17.66	1.39	10.79	
LEW29	15/12/2020	12.25	6.77	16.17	
LEW30	26/10/2020	13.1	8.03	17.93	Pump off for capping works
LEW30	10/11/2020	17.3	3.83	13.73	Pump off for capping works
LEW30	17/11/2020	17.25	3.88	13.78	
LEW30	27/11/2020	14	7.13	17.03	
LEW30	15/12/2020	17.84	3.26	13.16	
LEW31	26/10/2020	11.52	7.69	18.99	Pump off for capping works
LEW31	10/11/2020	11.6	7.61	18.91	Pump off for capping works
LEW31	17/11/2020	11.55	7.66	18.96	Pump off for capping works
LEW31	27/11/2020	11.28	7.93	19.23	
LEW31	15/12/2020	12.12	7.06	18.36	
LEW32	26/10/2020	8.4	1.66	13.56	
LEW32	10/11/2020	8.42	1.64	13.54	
LEW32	17/11/2020	9.9	0.16	12.06	
LEW32	27/11/2020	9.23	1.27	12.73	
LEW32	15/12/2020	9.65	0.39	12.29	
LEW33	26/10/2020	13.57	0.25	11.78	
LEW33	10/11/2020	13.43	0.39	11.92	
LEW33	17/11/2020	12.02	1.8	13.33	
LEW33	27/11/2020	13.58	0.24	11.77	
LEW33	15/12/2020	13.55	0.24	11.77	
LEW34	26/10/2020	11.39	1.3	13.02	
LEW34	10/11/2020	12.4	0.59	12.31	
LEW34	17/11/2020				No access
LEW34	27/11/2020				No access
LEW34	15/12/2020				No access

Asset ID	Date	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)
TIRW2509	08/10/2020 12:42	58.2	28.5	0.1	0	0
TIRW2509	05/11/2020 12:46	47.2	26.9	0	1	0
TIRW2509	29/12/2020 14:08	52.1	27.9	0.8	2	0
TIRW2510	08/10/2020 12:36	49.9	25.7	0.3	1	0
TIRW2510	05/11/2020 12:39	42.9	28.1	0.1	0	0
TIRW2510	29/12/2020 13:53	41.8	26.6	0.8	1	0
TIRW2511	08/10/2020 12:44	38.7	26.2	0.1	0	0
TIRW2511	05/11/2020 12:41	26.7	25.2	0.1	0	0
TIRW2511	29/12/2020 14:12	31.9	26.5	0.1	0	0
TIRW2512	29/12/2020 14:17	28.4	21.6	0.6	0	0
TIRW2515	08/10/2020 14:24	70.2	28.7	0.5		2
TIRW2515	06/11/2020 09:15	43	28.5	1.4	0	0
TIRW2515	30/12/2020 11:46	0.2	2.3	21	2	0
TIRW2601	08/10/2020 13:03	11.8	19.7	0.1	0	2
TIRW2601	05/11/2020 13:19	10.1	20.2	0	0	1
TIRW2601	30/12/2020 09:34	13.1	17.7	3.2	0	0
TIRW2602	08/10/2020 13:05	50.3	21.4	0.1	0	1
TIRW2602	05/11/2020 13:21	51.2	20.5	0	0	0
TIRW2602	30/12/2020 09:54	37.5	23.3	0.1	0	0
TIRW2603	08/10/2020 13:15	30.8	22.2	0.1	0	1
TIRW2603	05/11/2020 13:29	34.8	23.9	0	0	0
TIRW2603	30/12/2020 10:02	42.4	24.1	0.2	0	0
TIRW2604	08/10/2020 13:17	6.1	16.7	15.5		1
TIRW2604	05/11/2020 13:31	0.1	5.9	20	0	0
TIRW2604	30/12/2020 10:10	8.4	19.4	4.6	0	0
TIRW2605	08/10/2020 13:21	10.8	20.7	0.3		1
TIRW2605	05/11/2020 13:36	38.2	26.5	0.1	0	0
TIRW2605	30/12/2020 10:23	13.8	23.1	0.2	0	0
TIRW2606	08/10/2020 13:22	18.5	20.4	4.1	0	0
TIRW2606	05/11/2020 13:38	70.3	20.1	0.1	0	0
TIRW2606	30/12/2020 10:25	23.9	25.3	1.4	0	0
TIRW263A	08/10/2020 13:19	0.8	3.9	20.4	1	1
TIRW263A	08/10/2020 13:20	50.2	20.8	0.5	0	0
TIRW263A	05/11/2020 13:32	0	3.8	20.6	0	0
TIRW263A	30/12/2020 10:16	0.3	2.5	20.7	0	0
TIRW264A	08/10/2020 13:17	2.1	9.2	17.8	0	0
TIRW264A	05/11/2020 13:31	3.7	13.1	13.3	0	0
TIRW264A	30/12/2020 10:11	2.4	8.9	12.6	0	0
TIRW264B	08/10/2020 13:17	2.8	5.7	15.8	2	0
TIRW264B	05/11/2020 13:33	0	2.7	21	0	0
TIRW265A	05/11/2020 13:35	50.1	19.5	0.7	0	0
TIRW265A	30/12/2020 10:20	50.8	25.1	0.8	1	0
TIRW2705	08/10/2020 12:41	56.3	28.2	0.2	0	0
TIRW2705	05/11/2020 12:48	47.9	27.4	0.1	1	0
TIRW2705	29/12/2020 14:05	55.7	30.4	0.4	1	0
TIRW2706	08/10/2020 12:40	70.2	28.1	0.9		2
TIRW2706	05/11/2020 12:38	59	30.3	0.6	2	1
TIRW2706	29/12/2020 13:59	55.1	30.1	0.6	1	0
TIRW2707	08/10/2020 12:32	58.7	26.6	1.6		2

TIRW2707	05/11/2020 12:33	24.8	16.3	8.7	0	0
TIRW2707	29/12/2020 13:45	47.8	25.5	1.8	1	0
TIRW2708	08/10/2020 12:30	58.2	21.6	0.9	1	0
TIRW2708	05/11/2020 12:32	41.6	24.6	0.2	0	0
TIRW2708	29/12/2020 13:43	0.5	1.8	21.2	0	0
TIRW2709	08/10/2020 12:43	66	30.2	0.2		1
TIRW2709	05/11/2020 12:45	41.9	27.2	0.4	1	0
TIRW2709	29/12/2020 14:24	46.6	28.3	0.3	1	0
TIRW2711	08/10/2020 14:25	61.3	32.8	0.9	1	1
TIRW2711	06/11/2020 09:16	62.1	37.3	0	0	0
TIRW2711	30/12/2020 11:44	60.2	39.6	0.4	6	2
TIRW2712	06/11/2020 09:12	63	25.6	0.9	0	0
TIRW2713	08/10/2020 12:36	3.9	11.6	17		1
TIRW2713	08/10/2020 14:26	1.1	8.6	19.3	0	1
TIRW2713	06/11/2020 09:10	27	16.7	4	0	0
TIRW2713	30/12/2020 11:50	0.2	2.2	21.6	1	0
TIRW3A01	08/10/2020 13:06	47.1	20.8	0.6		2
TIRW3A01	05/11/2020 13:17	42.7	28.3	0	0	1
TIRW3A01	30/12/2020 09:42	45.4	29.1	0.2	0	0
TIRW3A02	08/10/2020 13:01	10.8	17.8	2	2	2
TIRW3A02	05/11/2020 13:15	19	21.6	0.2	1	1
TIRW3A02	30/12/2020 09:39	16.8	19.5	2	1	0
TIRW3A03	08/10/2020 13:07	27.5	22.3	0.1	0	1
TIRW3A03	05/11/2020 13:23	36.3	24.8	0	1	0
TIRW3A03	30/12/2020 09:51	41.6	26.3	0.7	1	0
TIRW3A04	08/10/2020 13:11	10.6	19.1	0.1	0	1
TIRW3A04	05/11/2020 13:27	36.1	28.2	0	0	0
TIRW3A04	30/12/2020 09:58	32.6	26.6	0.1	1	0
TIRW3A06	08/10/2020 13:15	43.7	30.6	0.4		1
TIRW3A06	05/11/2020 13:25	45.7	31.7	0	0	1
TIRW3A06	30/12/2020 09:48	0.1	1.5	21.7	0	0
TIRW3B01	08/10/2020 12:54	25.4	25.9	1	0	1
TIRW3B01	05/11/2020 13:05	29.1	25.6	0.5	0	0
TIRW3B01	29/12/2020 14:45	35.7	28.9	0.8	1	0
TIRW3B02	08/10/2020 12:58	23.6	20.6	0.3	0	0
TIRW3B02	05/11/2020 13:00	17.6	22.5	0.2	0	0
TIRW3B02	29/12/2020 14:52	17.5	22.6	0.7	0	0
TIRW3B03	08/10/2020 12:59	17.1	22.7	0.1	0	1
TIRW3B03	05/11/2020 13:12	18.5	20.3	0.4	0	0
TIRW3B03	29/12/2020 14:56	20.4	23.7	0.2	0	0
TIRW3B04	08/10/2020 13:00	3.7	14.5	16.8		1
TIRW3B04	05/11/2020 13:10	1.3	10.2	16.6	0	0
TIRW3B04	30/12/2020 09:37	0.9	4.6	16.9	0	0
TIRW3B05	08/10/2020 12:58	45.3	32.2	0.2		1
TIRW3B05	05/11/2020 13:08	40.8	29.4	0.1	0	0
TIRW3B05	29/12/2020 14:41	44.2	31	0.8	1	0
TIRW3B07	08/10/2020 12:57	49.4	32	0.3		1
TIRW3B07	05/11/2020 13:07	38.4	29.1	0.2	0	0
TIRW3B07	29/12/2020 14:39	45.3	30.8	0.8	1	0
TIRW3B08	30/12/2020 09:31	19.3	19	5	0	0

TIRW3C01	08/10/2020 12:49	57.9	32.5	0.2		1
TIRW3C01	05/11/2020 12:51	43.2	29.3	0.2	1	0
TIRW3C01	29/12/2020 14:36	42.6	29.1	0.5	0	0
TIRW3C03	08/10/2020 12:46	72.9	31.3	0.3		2
TIRW3C03	05/11/2020 12:49	56.7	28.9	0.3	0	0
TIRW3C04	08/10/2020 12:46	23.4	20	9.9	0	0
TIRW3C04	05/11/2020 12:43	29.2	23.7	4.1	0	0
TIRW3C04	29/12/2020 14:21	48.1	28.8	0.3	1	0
TIRW3C05	08/10/2020 12:47	32.1	22	0.5	0	1
TIRW3C05	29/12/2020 14:19	29.1	23.2	0.4	1	0
TIRW3C06	08/10/2020 12:49	23.7	20.7	1.4	0	1
TIRW3C06	05/11/2020 12:58	19.5	21.4	0.1	0	0
TIRW3C06	29/12/2020 14:29	24.5	23.2	0	1	0
TIRW3C07	08/10/2020 12:52	42.7	27.4	0.2	1	0
TIRW3C07	05/11/2020 12:55	23.2	21.6	4.1	0	0
TIRW3C07	29/12/2020 14:32	28.9	21.1	5	1	0

Balance Gas (%)	Atm Pressure (mbar)	Relative Pressure (mbar)
13.2	1012	-1.76
25.9	1038	0
19.2	992	-1.32
24.1	1012	-1.67
28.9	1037	-0.1
30.8	992	-1.52
35	1012	-1.85
48	1037	-0.28
41.5	993	-1.8
49.4	994	-1.01
0.6	1014	-3.64
27.1	1027	-6.14
76.5	1002	-4.61
68.4	1012	-3.52
69.7	1037	-0.35
66	1002	-17.82
28.2	1013	-2.9
28.3	1037	-0.55
39.1	1002	-17.56
46.9	1013	-11.23
41.3	1037	-4.71
33.3	1002	-26.26
61.7	1013	-33.97
74	1037	0.05
67.6	1003	-26.86
68.2	1013	-4.75
35.2	1037	-0.83
62.9	1003	-11.33
57	1013	-24.6
9.5	1037	-27.28
49.4	1003	-26.43
74.9	1013	-2.35
28.5	1013	-7.68
75.6	1037	0.19
76.5	1003	-8.36
70.9	1013	2.35
69.9	1037	0.05
76.1	1003	-28.48
75.7	1013	2.47
76.3	1037	0.05
29.7	1037	-5.3
23.3	1003	-5.72
15.3	1012	-3.14
24.6	1037	-1.26
13.5	992	-2.75
0.8	1012	-4.46
10.1	1037	-1.81
14.2	992	-3.21
13.1	1012	-2.14

50.2	1037	-0.14
24.9	992	-1.24
19.3	1012	-2.12
33.6	1038	-0.02
76.5	992	-0.62
3.6	1012	-3.42
30.5	1037	-3.49
24.8	993	-5.35
5	1014	-2.59
0.6	1027	-1.36
0	1002	-1.57
10.5	1027	-8.44
67.5	1010	-31
71	1013	0.4
52.3	1027	-0.36
76	1002	-19.3
31.5	1012	-15.7
29	1037	-9.63
25.3	1002	-9.35
69.4	1012	-3.97
59.2	1037	-1.07
61.7	1002	-13.94
50.1	1012	-6.56
38.9	1036	-0.74
31.4	1002	-3.21
70.2	1012	-3.57
35.7	1037	-0.66
40.7	1002	-17.59
25.3	1012	-32.73
22.6	1036	-9.68
76.7	1002	-22.23
47.7	1012	-4.97
44.8	1037	-2.04
34.6	993	-25.46
55.5	1012	-3.35
59.7	1037	-0.53
59.2	994	-13.29
60.1	1012	-6.21
60.8	1037	-0.28
55.7	994	-12.71
65	1012	-34
71.9	1037	-1.09
77.6	1002	-28.55
22.3	1011	-19.75
29.7	1036	-15.1
24	992	-18.37
18.3	1012	-17.88
32.3	1036	-14.7
23.1	992	-17.47
56.7	1003	-10.59

9.4	1012	-10.02
27.3	1037	-12.56
27.8	992	-15.39
0	1011	-3.56
14.1	1037	-1.9
46.7	1012	-1.92
43	1037	-0.31
22.8	993	-8.91
45.4	1012	-4.24
47.3	993	-16.75
54.2	1012	-2.92
59	1037	-0.22
52.3	993	-12.72
29.7	1012	-6.04
51.1	1037	-3.16
45	993	-28.69

Data Comment

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Sample Point	Date	Ammoniacal-N (mg/l)	BOD (mg/l)	Cl (mg/l)	COD (mg/l)	DO (mg/l)
SW1	20/10/2020	0.07	1.7	67	11	10.3
SW1	03/11/2020	0.18	2	21	<10	9.9
SW1	09/12/2020	0.12	2.8	23	31	12
SW2	20/10/2020	4.7	<1	47	11	9.4
SW2	03/11/2020	2.90	3.6	31	27	7.6
SW2	09/12/2020	5.2	3	36	<10	8
SW3	20/10/2020	0.07	1.9	20	<10	9.9
SW3	03/11/2020	0.08	3	17	14	8.90
SW3	09/12/2020	<0.015	2.1	20	16	10.1
SW4	20/10/2020	21	2.6	57	18	8.7
SW4	03/11/2020	7.7	3.7	39	11	7
SW4	09/12/2020	16	3.8	54	15	7.2

Nitrate (mg/l)	N Dissolved (mg/l)	NO2 (mg/l)	pH	Total P (mg/l)	DAIP (mg/l)	Suspended Solids (mg/l)
0.23	<1	0.53	7.5	0.03	0.61	<5
1.2	2.9	<0.1	7.8	0.34	0.01	<5
0.89	<1	0.77	7.9	0.18	0.01	8.5
0.82	5.2	1.3	7.1	0.03	0.02	<5
1.6	6.1	0.87	7.2	0.22	<0.1	54
0.8	4.7	0.5	7.2	<0.01	<0.01	7.5
0.2	<1	0.34	7.2	0.02	<0.01	<5
0.21	1.2	<0.1	7	0.53	<0.01	<5
0.78	<1	0.31	5.9	<0.01	<0.01	<5
1.1	18	1.3	7.3	0.15	0.05	5.5
0.25	9.2	0.1	7.3	0.2	0.02	<5
0.67	15	0.87	7	<0.01	0.04	8

Temp (degC)	TOC (mg/l)	TON (mg/l)	Total Organic N (mg/l)	Alkalinity (mg/l)	Cd (mg/l)	Cr (mg/l)	Cu (mg/l)
18	3.5	<0.7	<0.1				
18	4.4	<0.7	2.3				
18	4.3	<0.7	<0.1				
18	3.3	<0.7	<0.1				
18	3.7	1.7	1.5				
18	4.2	<0.7	<0.1				
18	8.2	<0.7	<0.1				
18	3.4	1.2	<0.1				
18	4.8	<0.7	<0.1				
18	5.8	<0.7	<0.1				
18	5.2	<0.7	1.4				
18	5.4	<0.7	<0.1				

Fe (mg/l)	Pb (mg/l)	Mn (mg/l)	Ni (mg/l)	K (mg/l)	Na (mg/l)	SO4 (mg/l)	Zn (mg/l)
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Annual Data

Sample Point	Date	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	Atm Pres (mb)
TIRGP013	20/10/2020	0	0.3	20	0	1	996
TIRGP014	20/10/2020	0	6.6	10.8	0	0	997
TIRGP015	20/10/2020	0	7.6	10	0	0	997
TIRGP016	20/10/2020	0	10.3	8.5	1	1	997
TIRGP017	20/10/2020	0	2.4	18.3	0	1	997
TIRGP018	20/10/2020	0	11.9	8.7	0	0	997
TIRGP019	20/10/2020	0	4	16.6	0	1	997
TIRGP020	20/10/2020	0	3.1	15.2	0	1	996
TIRGP021	20/10/2020	9	6.6	0.5	0	2	996
TIRGP022	20/10/2020	0	0.2	20.8	0	1	997
TIRGP023	20/10/2020	0.3	12.1	0.5	1	1	997

Sample Point	Date	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	Atm Pres (mb)
TIRGP013	26/11/2020	0	0.3	20.6	0	0	1022
TIRGP014	26/11/2020	0	1.5	18.6	0	0	1022
TIRGP015	26/11/2020	0	5.6	13.8	0	0	1022
TIRGP016	26/11/2020	0	9.8	7.4	0	0	1022
TIRGP017	26/11/2020	0	3.1	17.8	0	0	1022
TIRGP018	26/11/2020	0	6.3	16.6	0	0	1022
TIRGP019	26/11/2020	0	2.6	20	0	0	1022
TIRGP020	26/11/2020	0	0.9	19.4	0	0	1022
TIRGP021	26/11/2020	7.4	6.2	0.4	0	0	1023
TIRGP022	26/11/2020	0.1	0.2	19.7	0	0	1022
TIRGP023	26/11/2020	0.1	9.6	4.1	0	0	1023

Sample Point	Date	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	Atm Pres (mb)
TIRGP013	09/12/2020	0	0.2	20.7	0	0	1010
TIRGP014	09/12/2020	0	2.4	17.2	0	0	1010
TIRGP015	09/12/2020	0	4	17.1	0	0	1010
TIRGP016	09/12/2020	0	9	9.9	0	0	1010
TIRGP017	09/12/2020	0	3	18.3	0	0	1010
TIRGP018	09/12/2020	0	12.2	3.7	0	0	1010
TIRGP019	09/12/2020	0	2.3	20.4	0	0	1010
TIRGP020	09/12/2020	0	2.3	15.6	0	0	1010
TIRGP021	09/12/2020	5.1	6.1	0.3	0	0	1008
TIRGP022	09/12/2020	0	0.2	21.8	0	0	1009
TIRGP023	09/12/2020	0	8.5	5.9	0	0	1009

Rel. Pressure (mb)	Data Comments
0.05	
0	
-0.02	
0.04	
0.05	
0.02	
-0.02	
0.12	
-0.04	
3.7	
4.41	

Rel. Pressure (mb)	Data Comments
-0.12	
-0.04	
-0.09	
0.69	
0.83	
-0.02	
-0.09	
-0.04	
-0.12	
-0.14	
-0.16	

Rel. Pressure (mb)	Data Comments
0.02	
0.07	
0.04	
-0.11	
0.04	
0.05	
-0.04	
0.04	
0.02	
0.09	
0.51	

Sample Point	Date	Ammoniacal-N (mg/l)	Atrazine (ug/l)	Benzo(a)pyrene (ug/l)	Bio Oxygen Demand (mg/l)
LEW05 (PPC2)	06/10/2020	540	<2	<2	250
LEW06	07/10/2020				
LEW09a	07/10/2020				
LEW12a	26/11/2020	1400	<3.3	<3.3	300
LEW22	06/10/2020	430	<1	<1	25
LEW23	06/10/2020	92	<1	<1	17
LEW25	06/10/2020	460	<1	<1	16
LEW26	06/10/2020	2.5	<1	<1	<1
LEW28	06/10/2020	40	<1	<1	2.9
LEW29	06/10/2020	400	<1	<1	17
LEW31	06/10/2020	450	<5	<5	300

Notes
Cis 1,2, Dichloroethane is now known as Cis 1,2, dichloroethylene Monohydric Phenol is presented as Phenol Index

Cadium (mg/l)	Cs-1,2-dichloroethylene (ug/l)	Chem Oxygen Demand (mg/l)	Chloride (mg/l)	Conductivity (mS/cm)	Dichlorprop (ug/l)	Dissolved Oxygen (mg/l)	Lead (mg/l)	Mecoprop (ug/l)
<0.0001	<1	2400	700	13400	5.2	2.4	0.0023	55
<0.0001	<1	2200	1600	17500	1.1	6.7	0.0025	<0.02
0.0001	<1	1200	640	6580	<2	2.9	0.0091	<2
<0.0001	<1	390	600	4740	<0.2	6.7	0.0042	1.1
<0.0001	<1	490	630	7200	<0.2	6.9	0.0038	97
<0.0001	<1	64	93	1040	<0.02	10	0.0038	<0.02
<0.0001	<1	140	74	1330	<0.02	8.4	0.0039	0.41
<0.0001	<1	850	810	7460	<0.2	6.5	0.0045	0.35
<0.0001	<1	4500	660	20000	<2	1.5	0.0052	17

Orthophosphate (mg/l)	pH	Phenol Index (ug/l)	Sodium (mg/l)	Temperature (degC)	1,2,4 Trimethylbenzene (ug/l)	TributylPhosphate (ug/l)	Zinc (mg/l)
4.2	7.9	<100	530	17	6	<1	0.17
9.6	8.1	430	2800	18	6	<0.02	0.078
0.71	8.4	<100	580	17	<1	<0.2	0.14
0.35	7.3	<100	600	17	<1	<0.02	0.11
0.03	7.4	<100	580	17	<1	<0.2	0.15
0.02	7.9	<100	100	17	<1	<0.02	0.091
0.03	7.5	<100	66	17	<1	<0.2	0.14
0.82	7.9	<100	790	16	<1	<0.02	0.22
4.1	7.9	<100	540	17	9	<0.2	0.13

Data Comments	1,2-Dichloroethane (ug/l)
	2,3,6-Trichlorophenol (ug/l)
	2,4,5-Trichlorophenol (ug/l)
	2,4,6-Trichlorophenoll (ug/l)
	Arsenic (mg/l)
	Benzene (ug/l)
	benzo(b)fluoranthene (ug/l)
Bailer got caught Bailer comes out dry	

benzo(ghi)perylene (ug/l)
benzo(k)fluoranthene (ug/l)
Boron (ug/l)
Chlorobenzene (ug/l)
Chloromethane (ug/l)
Chromium (mg/l)
Copper (mg/l)
Dichloromethane (ug/l)
Ethyl benzene (ug/l)

ANNUAL LEACHAT

Fluoride (mg/l)
indeno(1,2,3-cd)pyrene (ug/l)
m,p-xylenes (ug/l)
Mercury (mg/l)
Molybdenum (ug/l)
Naphthalene (ug/l)
Nickel (ug/l)
Nitrate (mg/l)
o-xylene (ug/l)

WATER MONITORING

Pentachlorophenol (ug/l)	
p-Isopropyltoluene (ug/l)	
Potassium (mg/l)	
Selenium (mg/l)	
Toluene (ug/l)	
Tributyltin (ug/l)	
Vanadium Dissolved (ug/l)	

Sample Point	Date	Ammoniacal-N as N (mg/l)	1,2,4 trimethylbenzene (ug/l)	1,2-Dichloroethane (ug/l)	1,3,5 trimethylbenzene (ug/l)
TIR IPDS Cell 16	06/10/2020	0.14	< 1	< 1	< 1
TIR IPDS Cell 16	14/10/2020	0.17	< 1	< 1	< 1
TIR IPDS Cell 16	27/10/2020	9.7	< 1	< 1	< 1
TIR IPDS Cell 16	17/11/2020	0.13	4	< 1	< 1
TIR IPDS Cell 16	08/12/2020	5.6	< 1	< 1	< 1
TIR PCS Mid Cell 16	06/10/2020	1.4	< 1	< 1	< 1
TIR PCS Mid Cell 16	14/10/2020	3.8	< 1	< 1	< 1
TIR PCS Mid Cell 16	27/10/2020	0.49	< 1	< 1	< 1
TIR PCS Mid Cell 16	17/11/2020	1	< 1	< 1	< 1
TIR PCS Mid Cell 16	08/12/2020	89	< 1	< 1	< 1
TIR PCS North Cell 16	06/10/2020	0.84	< 1	< 1	< 1
TIR PCS North Cell 16	14/10/2020	2.5	< 1	< 1	< 1
TIR PCS North Cell 16	27/10/2020	2.4	< 1	< 1	< 1
TIR PCS North Cell 16	17/11/2020	6	< 1	< 1	< 1
TIR PCS North Cell 16	08/12/2020	8.7	< 1	< 1	< 1
TIR PCS South Cell 16	06/10/2020	25	< 1	< 1	< 1
TIR PCS South Cell 16	14/10/2020	46	< 1	< 1	< 1
TIR PCS South Cell 16	27/10/2020	18	< 1	< 1	< 1
TIR PCS South Cell 16	17/11/2020	66	3	< 1	< 1
TIR PCS South Cell 16	08/12/2020	570	< 1	< 1	< 1

2,3,4 Trichlorophenol (ug/l)	2,3,6-Trichlorophenol (ug/l)	2,4,5-Trichlorophenol (ug/l)	2,4,6-Trichlorophenol (ug/l)	Arsenic (mg/l)	atrazine (ug/l)	Benzene (ug/l)
< 1	< 1	< 1	< 1	0.002	< 1	< 1
< 1	< 1	< 1	< 1	0.001	< 1	< 1
< 1	< 1	< 1	< 1	0.005	< 1	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.005	< 1	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.013	< 1	< 1
< 1	< 1	< 1	< 1	0.007	< 1	< 1
< 1	< 1	< 1	< 1	0.006	< 1	< 1
< 10	< 10	< 10	< 10	0.052	< 10	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.002	< 1	< 1
< 1	< 1	< 1	< 1	0.002	< 1	< 1
< 1	< 1	< 1	< 1	0.002	< 1	< 1
< 1	< 1	< 1	< 1	0.003	< 1	< 1
< 1	< 1	< 1	< 1	0.015	< 1	< 1
< 1	< 1	< 1	< 1	0.026	< 1	< 1
< 10	< 10	< 10	< 10	0.23	< 10	< 1

benzo(a)pyrene (ug/l)	benzo(b)fluoranthene (ug/l)	benzo(ghi)perylene old (ug/l)	benzo(k)fluoranthene (ug/l)	Bio Oxygen Demand (mg/l)	Boron (mg/l)	Cadmium (mg/l)
< 0.01	< 1	< 1	< 1	3.1	0.25	0.0004
< 0.01	< 1	< 1	< 1	2.5	0.49	< 0.0001
< 0.01	< 1	< 1	< 1	12	0.31	0.0002
< 0.01	< 1	< 1	< 1	11	0.21	< 0.0001
< 0.01	< 1	< 1	< 1	4	0.29	0.0002
< 0.01	< 1	< 1	< 1	2	0.64	0.0004
0.33	< 1	< 1	< 1	24	0.27	0.0002
0.39	< 1	< 1	< 1	6.1	0.13	0.0001
< 0.01	< 1	< 1	< 1	12	0.16	< 0.0001
0.02	< 10	< 10	< 10	48	0.89	0.0001
< 0.01	< 1	< 1	< 1	2.8	0.24	0.0004
< 0.01	< 1	< 1	< 1	3.9	0.73	< 0.0001
< 0.01	< 1	< 1	< 1	2.1	0.7	< 0.0001
< 0.01	< 1	< 1	< 1	4.9	0.63	< 0.0001
< 0.01	< 1	< 1	< 1	3.2	0.63	< 0.0001
< 0.01	< 1	< 1	< 1	2.3	0.33	0.0004
< 0.01	< 1	< 1	< 1	< 1	0.31	< 0.0001
< 0.01	< 1	< 1	< 1	3.4	0.24	< 0.0001
< 0.01	< 1	< 1	< 1	12	0.74	0.0004
< 0.01	< 10	< 10	< 10	120	2.6	< 0.0001

Chem Oxygen Demand (mg/l)	Chloride (mg/l)	Chlorobenzene (ug/l)	Chloromethane (ug/l)	Chromium (mg/l)	cis-1,2-dichloroethylene (ug/l)	Conductivity us/cm (uS/cm)
38	47	< 1	< 1	0.0042	< 1	1450
38	80	< 1	< 1	< 0.0003	< 1	1600
74	< 0.1	< 1	< 1	0.0055	< 1	1390
36	52	< 1	< 1	0.0011	< 1	1200
130	84	< 1	< 1	0.0073	< 1	1630
14	49	< 1	< 1	0.0036	< 1	950
100	76	< 1	< 1	0.0048	< 1	1280
78	26	< 1	< 1	0.0021	< 1	723
24	40	< 1	< 1	0.0018	< 1	793
490	220	< 1	< 1	0.043	< 1	2100
13	46	< 1	< 1	0.0047	< 1	996
< 10	50	< 1	< 1	0.0006	< 1	1090
< 10	44	< 1	< 1	< 0.0003	< 1	1010
< 10	28	< 1	< 1	< 0.0003	< 1	1130
34	91	< 1	< 1	0.001	< 1	1570
16	50	< 1	< 1	0.0038	< 1	1140
25	76	< 1	< 1	0.0007	< 1	1590
19	35	< 1	< 1	0.0005	< 1	953
33	87	< 1	< 1	0.0047	< 1	2030
1300	630	< 1	< 1	0.32	< 1	7450

Copper (mg/l)	Dichloroprop (ug/l)	Methylene Chloride (ug/l)	Dissolved Oxygen (mg/l)	Ethyl benzene (ug/l)	Fluoride (mg/l)	indeno(1,2,3-cd)pyrene (ug/l)	Lead (mg/l)
0.0158	< 0.02	< 27	8.9	< 1	0.21	< 1	0.005
< 0.0004	< 0.02	< 27	10.1	< 1	0.29	< 1	< 0.0001
0.0338	0.09	< 27	3	< 1	0.27	< 1	0.0034
0.0131	< 0.02	< 27	11.3	< 1	< 0.1	< 1	0.0019
0.0311	< 0.20	< 27	8.4	< 1	< 0.10	< 1	0.0005
0.0017	0.03	< 27	8.9	< 1	0.26	< 1	0.0043
0.019	0.27	< 27	6.5	< 1	0.27	< 1	0.0048
0.0162	0.06	< 27	7.4	< 1	0.23	< 1	0.014
0.0089	0.1	< 27	9.1	< 1	0.14	< 1	0.0032
0.0128	5.9	< 27	8.7	< 1	0.14	< 10	0.014
0.012	< 0.02	< 27	8.7	< 1	0.23	< 1	0.0057
0.0014	< 0.02	< 27	7	< 1	0.3	< 1	0.0001
0.0011	< 0.02	< 27	9.6	< 1	0.32	< 1	0.0002
0.0009	< 0.02	< 27	11.4	< 1	0.18	< 1	< 0.0001
0.0008	< 0.02	< 27	8.9	< 1	0.1	< 1	0.0003
0.0014	< 0.02	< 27	8.9	< 1	0.17	< 1	0.0043
0.0151	< 0.02	< 27	7	< 1	0.21	< 1	0.0008
0.0026	< 0.02	< 27	8.4	< 1	0.25	< 1	0.001
0.0038	< 0.02	< 27	8	< 1	< 0.1	< 1	0.0032
0.0103	< 2	< 27	9	1	< 10	< 10	0.0026

m,p-xylenes (ug/l)	Mecoprop (ug/l)	Mercury (mg/l)	Molybdenum (mg/l)	Naphthalene (ug/l)	Nickel (mg/l)	Nitrate (mg/l)	Ortho Phosphate as PO4 mg/l (mg/l)
< 2	< 0.02	< 0.0001	0.0079	< 1	0.0043	5.7	0.05
< 2	< 0.02	< 0.0001	< 0.0011	< 1	0.0025	2.3	< 0.01
< 2	0.83	< 0.0001	0.0062	< 1	0.0064	5.9	0.01
< 2	0.05	< 0.0001	0.0063	< 1	0.0033	21	0.06
< 2	2	< 0.0001	0.012	< 1	0.009	37	< 0.01
< 2	0.15	< 0.0001	0.0072	< 1	0.0008	6.3	0.12
< 2	0.88	< 0.0001	0.023	< 1	0.012	< 0.1	< 0.01
< 2	0.2	< 0.0001	0.0079	< 1	0.0044	0.55	0.11
< 2	0.28	< 0.0001	0.011	< 1	0.005	1.3	0.2
< 2	13	0.0001	0.028	< 1	0.032	0.97	0.4
< 2	< 0.02	< 0.0001	0.0091	< 1	0.0077	9	0.06
< 2	< 0.02	< 0.0001	0.01	< 1	0.001	4.7	< 0.01
< 2	< 0.02	< 0.0001	0.0088	< 1	< 0.0005	3.1	0.02
< 2	0.07	< 0.0001	0.009	< 1	0.0008	7.6	0.01
< 2	< 0.02	< 0.0001	0.0095	< 1	0.0022	< 0.10	< 0.01
< 2	0.18	< 0.0001	0.0012	< 1	0.0026	0.89	0.06
< 2	0.2	< 0.0001	0.012	< 1	0.0048	0.73	< 0.01
< 2	0.12	< 0.0001	0.0017	< 1	0.0022	0.73	< 0.01
< 2	0.33	< 0.0001	0.018	< 1	0.0088	0.7	< 0.01
6	19	0.0001	0.011	< 1	0.073	< 0.10	6.3

o-xylene (ug/l)	Pentachlorophenol (ug/l)	pH	phenol index (ug/l)	p-Isopropyltoluene (ug/l)	Potassium (mg/l)	Redox (mV)	Selenium (mg/l)	Sodium (mg/l)
< 1	< 1	7.8	< 100	< 1	14	220	0.0004	52
< 1	< 1	7.9	< 100	< 1	38	140	< 0.0003	51
< 1	< 1	7.6	< 100	< 1	18	160	0.0009	46
< 1	< 1	7.6	< 100	< 1	16	160	0.0005	42
< 1	< 1	7.8	< 100	< 1	24	90	0.0008	64
< 1	< 1	7.7	< 100	< 1	15	190	< 0.0003	22
< 1	< 1	7.8	< 100	< 1	23	71	0.0041	39
< 1	< 1	8.5	< 100	< 1	12	230	0.0008	14
< 1	< 1	7.2	< 100	< 1	18	170	0.0008	23
< 1	< 10	7.8	< 100	< 1	69	38	0.0021	150
< 1	< 1	7.6	< 100	< 1	19	200	0.0004	35
< 1	< 1	7.8	< 100	< 1	19	82	0.0014	25
< 1	< 1	7.8	< 100	< 1	19	210	0.0004	23
< 1	< 1	7.7	< 100	< 1	25	230	< 0.0003	44
< 1	< 1	7.3	< 100	< 1	29	49	< 0.0003	74
< 1	< 1	7.6	< 100	< 1	20	200	< 0.0003	35
< 1	< 1	7.5	< 100	< 1	17	120	0.0006	54
< 1	< 1	7.6	< 100	< 1	19	200	0.0004	27
< 1	< 1	7.1	< 100	< 1	62	180	0.0042	89
3	< 10	7.9	< 100	< 1	240	2	0.0016	670

Temperature (degC)	Toluene (ug/l)	Tributyl Phosphate (µg/l) (ug/l)	Tributyl tin (TBT) (ug/l)	Triphenylphosphate (ug/l)	Vanadium, Dissolved (mg/l)	Zinc (mg/l)	Data Comments
19	< 1	< 0.02	< 1	< 0.1	0.0065	0.015	
20	< 1	0.15	< 1	< 0.1	< 0.0006	0.0036	
19	< 1	0.03	< 1	< 0.1	0.0027	0.025	
19	< 1	0.02	< 1	< 0.1	0.002	0.013	
18	< 1	< 0.05	< 1	< 0.5	0.0024	0.047	
19	< 1	0.03	< 1	< 0.1	0.0051	0.0041	
20	< 1	< 0.1	< 1	< 0.1	0.0082	0.016	
18	< 1	0.06	< 1	< 0.1	0.0041	0.024	
20	< 1	0.06	< 1	< 0.1	0.0031	0.011	
19	< 1	< 0.40	< 1	< 0.5	0.027	0.056	
19	< 1	0.03	< 1	< 0.1	0.007	0.012	
20	< 1	0.04	< 1	< 0.1	< 0.0006	0.005	
18	< 1	0.05	< 1	< 0.1	< 0.0006	0.0051	
19	< 1	0.05	< 1	< 0.1	< 0.0006	0.0032	
18	< 1	0.04	< 1	< 0.5	< 0.0006	0.039	
19	< 1	0.12	< 1	< 0.1	0.0051	0.013	
20	< 1	< 0.02	< 1	< 0.1	0.0019	0.015	
18	< 1	0.11	< 1	< 0.1	0.0007	0.016	
19	< 1	0.21	< 1	< 0.1	0.0043	0.011	
18	2	0.11	< 1	< 0.5	0.032	0.22	

Sample Point	Date	Dip to Water (m)	Ammoniacal-N (mg/l)	Arsenic (mg/l)	Atrazine (ug/l)	Benzo(a)pyrene (ug/l)	Cadmium (mg/l)
GDW01(D)	05/11/2020		1.4	0.007	< 0.02	< 0.01	< 0.0001
GDW01(S)	05/11/2020		1.3	0.016	< 0.02	< 0.01	< 0.0001
GDW02(D)	05/11/2020		6.5	0.001	< 0.02	< 0.01	< 0.0001
GDW02(S)	05/11/2020		17	0.002	< 0.02	< 0.01	< 0.0001
GDW03(D)	05/11/2020		11	<0.001	< 0.02	< 0.01	< 0.0001
GDW03(S)	05/11/2020		12	0.002	< 0.02	< 0.01	< 0.0001
GDW04	04/11/2020	0	7	0.018	< 0.02	< 1	< 0.0001
GDW05	04/11/2020	0.62	20	0.005	< 0.02	< 1	< 0.0001
GDW06	04/11/2020	0	13	< 0.001	< 0.02	< 1	< 0.0001
GDW07	04/11/2020	0	11	0.001	< 0.02	< 3.4	< 0.0001
GDW08	04/11/2020	0	12	< 0.001	< 0.02	< 1	< 0.0001
GDW09	26/11/2020	0	4.1	0.017	< 5	< 5	< 0.0001
GDW10	04/11/2020	1.01	8.8	0.002	< 0.02	< 1	< 0.0001
GDW11	04/11/2020	0.99	11	0.003	< 0.02	< 1	< 0.0001
GDW12	04/11/2020	1.4	8.3	0.002	< 0.02	< 1	< 0.0001
GDW13	04/11/2020	1.3	28	< 0.001	< 0.02	< 1	< 0.0001
GDW14	04/11/2020	0.7	26	0.001	< 0.02	< 1	< 0.0001
GDW15	04/11/2020	0.85	13	< 0.001	< 0.02	< 1	< 0.0001
GDW16	04/11/2020	0	0.37	0.002	< 0.02	< 1	< 0.0001
GDW17	04/11/2020		1.6	0.007	< 1	< 1	< 0.0001
GDW18	04/11/2020	0.12	18	0.026	< 0.02	< 1	< 0.0001

Cis-1,2-dichloroethylene (ug/l)	Chloride (mg/l)	Chromium (mg/l)	Copper (mg/l)	Dichlorprop (ug/l)	Dissolved Oxygen (mg/l)	Lead (mg/l)	Malathion (ug/l)
< 1	43	< 0.0003	< 0.0004	< 0.02	7.9	< 0.0001	< 1
< 1	45	0.0007	< 0.0004	< 0.02	8.8	< 0.0001	< 1
< 1	36	< 0.0003	< 0.0004	< 0.02	7.9	< 0.0001	< 1
< 1	140	< 0.0003	< 0.0004	< 0.02	7.9	< 0.0001	< 1
< 1	26	< 0.0003	< 0.0004	< 0.02	6.4	< 0.0001	< 1
< 1	36	< 0.0003	< 0.0004	< 0.02	7.5	< 0.0001	< 1
< 1	29	0.0004	< 0.0004	< 0.02	4.8	0.0003	< 1
< 1	26	0.0007	< 0.0004	< 0.02	6.5	< 0.0001	< 1
< 1	27	< 0.0003	< 0.0004	< 0.02	6	< 0.0001	< 1
< 1	56	0.001	0.0004	< 0.02	7.9	0.0004	< 3.3
< 1	22	< 0.0003	0.0014	< 0.02	6.2	< 0.0001	< 1
< 1	87	< 0.0003	< 0.0004	< 0.02	7.8	< 0.0001	< 5
< 1	30	< 0.0003	< 0.0004	< 0.02	7.4	< 0.0001	< 1
< 1	55	< 0.0003	< 0.0004	< 0.02	5.4	< 0.0001	< 1
< 1	22	< 0.0003	< 0.0004	< 0.02	7.1	< 0.0001	< 1
< 1	95	< 0.0003	< 0.0004	< 0.02	6.3	< 0.0001	< 1
< 1	81	0.0003	< 0.0004	< 0.02	6.9	< 0.0001	< 1
< 1	40	< 0.0003	< 0.0004	< 0.02	6.9	< 0.0001	< 1
< 1	32	0.0004	< 0.0004	< 0.02	6.4	0.0003	< 1
< 1	190	0.0004	< 0.0004	< 0.02	6.8	< 0.0001	< 1
< 1	55	< 0.0003	< 0.0004	< 0.02	6.3	0.0003	< 1

Mecoprop (ug/l)	Nitrate (mg/l)	Nitrite (mg/l)	Orthophosphate (mg/l)	pH (field)	Redox (mV)	Total Organic Carbon (mg/l)
< 0.02	0.22	0.44	0.07	7.5	110	3.2
< 0.02	0.93	0.41	0.05	7.5	120	1.7
< 0.02	0.19	0.25	< 0.01	7	150	4.6
< 0.02	1.5	0.96	< 0.01	6.9	130	3.4
< 0.02	0.32	0.46	< 0.01	6.6	150	3.8
< 0.02	0.33	0.62	< 0.01	7.2	140	3.3
< 0.02	0.33	0.53	0.01	6.1	130	14
< 0.02	< 0.1	< 0.1	0.02	6.9	70	12
< 0.02	< 0.1	< 0.1	< 0.01	6.4	130	1.9
< 0.02	< 0.1	< 0.1	< 0.01	6.5	150	2.1
< 0.02	0.5	< 0.1	< 0.01	6.9	140	7.2
< 0.02	0.19	< 0.1	0.02	7	74	3.2
< 0.02	< 0.1	< 0.1	0.01	6.9	140	7
< 0.02	0.24	< 0.1	< 0.01	6.6	0	8.7
< 0.02	< 0.1	< 0.1	< 0.01	7.1	41	5.4
< 0.02	< 0.1	< 0.1	< 0.01	6.7	68	6.5
0.11	< 0.1	< 0.1	< 0.01	6.8	95	8.2
0.02	< 0.1	< 0.1	< 0.01	6.4	130	19
< 0.02	< 0.1	< 0.1	< 0.01	6.1	150	7.1
< 0.02	0.13	< 0.1	< 0.01	6.6	10	49
0.04	< 0.1	< 0.1	0.03	6.8	140	5.4

Tributy/Phosphate (ug/l)	Zinc (mg/l)	Data Comments	1,2,4 Trimethylbenzene (ug/l)	1,2-Dichloroethane (ug/l)	1,3,5-Trichlorophenol (ug/l)	2,3,6-Trichlorophenol (ug/l)
< 0.02	0.0025	Access flooded				
< 0.02	0.0076					
< 0.02	0.0043					
< 0.02	0.003					
< 0.02	0.0048					
< 0.02	0.0027					
< 0.02	0.0097					
< 0.02	0.019					
0.03	0.0068					
0.04	0.0022					
0.02	0.0036					
< 0.02	0.069					
< 0.02	0.0043					
0.02	0.0055					
< 0.02	0.01					
< 0.02	0.0034					
0.04	0.0029					
< 0.02	0.0026					
< 0.02	0.0054					
< 0.02	0.086					
< 0.02	0.0045					

2,4,5-Trichlorophenol (ug/l)
2,4,6-Trichlorophenol (ug/l)
Benzene (ug/l)
benzo(b)fluoranthene (ug/l)
benzo(ghi)perylene (ug/l)
benzo(k)fluoranthene (ug/l)
Boron (ug/l)
Chlorobenzene (ug/l)
Chloromethane (ug/l)

Annual Data Q1

Ethyl benzene (ug/l)
Fluoride (mg/l)
indeno(1,2,3-cd)pyrene (ug/l)
Ionic Balance (%)
m,p-xylenes (ug/l)
Mercury (mg/l)
Molybdenum (ug/l)
Naphthalene (ug/l)
Nickel (ug/l)

o-xylene (ug/l)
Pentachlorophenol (ug/l)
Phenol Index (ug/l)
p-Isopropyltoluene (ug/l)
Potassium (mg/l)
Selenium (mg/l)
Sodium (mg/l)
Toluene (ug/l)
Tributyltin (ug/l)

	Triphenylphosphate (ug/l)	
	Vanadium Dissolved (ug/l)	

Parameter	Units	GDW01(D)	GDW01(S)	GDW02(D)
1,1 Dichloroethylene	ug/l	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	ug/l	< 1	< 1	< 1
1,1,1-Trichloroethane	ug/l	< 1	< 1	< 1
1,1,2-Trichloroethane	ug/l	< 1	< 1	< 1
1,1-Dichloroethane	ug/l	< 1	< 1	< 1
1,1-Dichloropropene	ug/l	< 1	< 1	< 1
1,2,3-Trichlorobenzene	ug/l	< 1	< 1	< 1
1,2,3-Trichloropropane	ug/l	< 1	< 1	< 1
1,2,4 trimethylbenzene	ug/l	< 1	< 1	< 1
1,2,4-Trichlorobenzene	ug/l	< 2	< 2	< 1
1,2-Dibromo-3-Chloropropane	ug/l	< 1	< 1	< 1
1,2-Dibromoethane	ug/l	< 1	< 1	< 1
1,2-Dichlorobenzene	ug/l	< 1	< 1	< 1
1,2-Dichloroethane	ug/l	< 1	< 1	< 1
1,2-Dichloropropane	ug/l	< 1	< 1	< 1
1,3,5 trimethylbenzene	ug/l	< 1	< 1	< 1
1,3-Dichlorobenzene	ug/l	< 2	< 2	< 2
1,3-Dichloropropane	ug/l	< 1	< 1	< 1
1,3-Dinitrobenzene	ug/l	< 2	< 2	< 1
1,4-Dichlorobenzene	ug/l	< 1	< 1	< 1
1,4-Dinitrobenzene	ug/l	< 2	< 2	< 1
2,2-dichloropropane+1,2-dichloroethylene	ug/l	< 1	< 1	< 1
2,3,4,6-Tetrachlorophenol	ug/l	< 2	< 2	< 1
2,3,5,6-tetrachlorophenol old	ug/l	< 2	< 2	< 1
2,4,5-Trichlorophenol	ug/l	< 2	< 2	< 1
2,4,6-Trichlorophenol	ug/l	< 0.13	< 0.1	< 0.1
2,4-D	ug/l	< 0.02	< 0.02	< 0.02
2,4-Dichlorophenol	ug/l	< 0.13	< 0.1	< 0.1
2,4-Dimethylphenol	ug/l	< 0.13	< 0.1	< 0.1
2,4-Dinitrotoluene	ug/l	< 2	< 2	< 1
2,6-Dichlorophenol	ug/l	< 0.13	< 0.1	< 0.1
2,6-Dimethylphenol	ug/l	< 0.13	< 0.1	< 0.1
2,6-Dinitrotoluene	ug/l	< 2	< 2	< 1
2- Nitroaniline	ug/l	< 2	< 2	< 1
2-Chloronaphthalene	ug/l	< 2	< 2	< 1
2-Chlorophenol	ug/l	< 2	< 2	< 1
2-Chlorotoluene	ug/l	< 1	< 1	< 1
2-Methylnaphthalene	ug/l	< 2	< 2	< 1
2-Methylphenol	ug/l	< 2	< 2	< 1
3 Nitroaniline	ug/l	< 2	< 2	< 1
3&4-Methylphenol	ug/l	< 2	< 2	< 1
4,4-DDE	ug/l	< 2	< 2	< 1
4,4-DDT	ug/l	< 2	< 2	< 1
4-Bromophenyl phenyl ether	ug/l	< 2	< 2	< 1
4-Chloro-3-methyl phenol	ug/l	< 0.13	< 0.1	< 0.1
4-Chlorophenyl phenyl ether	ug/l	< 2	< 2	< 1
4-Chlorotoluene	ug/l	< 1	< 1	< 1
4-Nitroaniline	ug/l	< 2	< 2	< 1
4-Nitrophenol	ug/l	< 2	< 2	< 1

Acenaphthene	ug/l	< 0.01	< 0.01	< 0.01
Acenaphthylene	ug/l	< 0.01	< 0.01	< 0.01
aldrin	ug/l	< 2	< 2	< 1
alpha-BHC	ug/l	< 2	< 2	< 1
Ametryn	ug/l	< 2	< 2	< 1
Aniline	ug/l	< 2	< 2	< 1
anthracene	ug/l	< 0.01	< 0.01	< 0.01
Atraton	ug/l	< 2	< 2	< 1
atrazine	ug/l	< 0.02	< 0.02	< 0.02
azinphos-methyl	ug/l	< 2	< 2	< 1
Azobenzene ug/l	ug/l	< 2	< 2	< 1
Bentazone	ug/l	< 0.02	< 0.02	< 0.02
Benzene	ug/l	< 1	< 1	< 1
benzo(a)anthracene	ug/l	< 0.01	< 0.01	< 0.01
benzo(a)pyrene	ug/l	< 0.01	< 0.01	< 0.01
benzo(b)fluoranthene	ug/l	< 0.01	< 0.01	< 0.01
benzo(ghi)perylene old	ug/l	< 0.01	< 0.01	< 0.01
benzo(k)fluoranthene	ug/l	< 0.01	< 0.01	< 0.01
Benzyl Alcohol	ug/l	< 2	< 2	< 1
beta-BHC		< 2	< 2	< 1
Bis (2-chloroethoxy) methane	ug/l	< 2	< 2	< 1
Bis (2-chloroisopropyl) ether	ug/l	< 2	< 2	< 1
Bis (2-ethylhexyl) phthalate	ug/l	< 2	< 2	< 1
Bolstar	ug/l	< 2	< 2	< 1
Bromobenzene	ug/l	< 1	< 1	< 1
Bromochloromethane	ug/l	< 4	< 4	< 4
Bromodichloromethane	ug/l	< 4	< 4	< 4
Bromoform	ug/l	< 1	< 1	< 1
Butyl benzyl phthalate	ug/l	< 2	< 2	< 1
Cadmium, total	mg/l	< 0.0001	0.0011	< 0.0001
Carbazole	ug/l	< 2	< 2	< 1
Carbon Tetrachloride	ug/l	< 1	< 1	< 1
Chlopyrifos	ug/l	< 2	< 2	< 1
Chlorobenzene	ug/l	< 1	< 1	< 1
Chloroform	ug/l	< 1	< 1	< 1
Chlortoluron	ug/l	< 0.1	< 0.1	< 0.1
chrysene	ug/l	< 0.01	< 0.01	< 0.01
cis-1,2-dichloroethylene	ug/l	< 1	< 1	< 1
Cis-1,3-Dichloropropene	ug/l	< 1	< 1	< 1
Cyanide free	ug/l	< 0.1	< 0.1	0.6
Cyanide total	ug/l	< 40	< 40	< 40
delta-BHC	ug/l	< 2	< 2	< 1
Demeton-O	ug/l	< 2	< 2	< 1
Demeton-s-methyl	ug/l	< 2	< 2	< 1
Di-n-butyl phthalate	ug/l	< 2	< 2	16
Di-n-Octyl phthalate	ug/l	< 2	< 2	< 1
Diazinon	ug/l	< 2	< 2	< 1
dibenzo(a,h)anthracene	ug/l	< 0.01	< 0.01	< 0.01
Dibenzofuron	ug/l	< 2	< 2	< 1
Dibromochloromethane	ug/l	< 1	< 1	< 1

Dibromomethane	ug/l	< 1	< 1	< 1
Dichloroprop	ug/l	< 0.02	< 0.02	< 0.02
Dichlorvos	ug/l	< 2	< 2	< 1
Dieldrin	ug/l	< 2	< 2	< 1
Diethyl Phthalate	ug/l	< 2	< 2	< 1
Dimethyl Phthalate	ug/l	< 2	< 2	< 1
Diphenylamine	ug/l	< 2	< 2	< 1
Disulfoton	ug/l	< 2	< 2	< 1
Diuron	ug/l	< 0.1	< 0.1	< 0.1
Endosulphan I	ug/l	< 2	< 2	< 1
Endosulphan II	ug/l	< 2	< 2	< 1
Endosulphan sulphate	ug/l	< 2	< 2	< 1
Endrin	ug/l	< 2	< 2	< 1
Endrin aldehyde	ug/l	< 2	< 2	< 1
Endrin ketone	ug/l	< 2	< 2	< 1
EPH Range >C10 - C40 (aq)	ug/l	< 10	11	99
Ethoprop	ug/l	< 2	< 2	< 1
Ethyl benzene	ug/l	< 1	< 1	< 1
Fensulfothion	ug/l	< 2	< 2	< 1
Fenthion	ug/l	< 2	< 2	< 1
Fluoranthene	ug/l	< 0.01	< 0.01	< 0.01
Fluorene	ug/l	< 0.01	< 0.01	< 0.01
gamma-BHC (Lindane)	ug/l	< 2	< 2	< 1
Gamma-Chlordane (trans)	ug/l	< 2	< 2	< 1
Heptachlor	ug/l	< 2	< 2	< 1
Heptachlor epoxide	ug/l	< 2	< 2	< 1
Hexachlorobenzene	ug/l	< 2	< 2	< 1
Hexachlorobutadiene	ug/l	< 1	< 1	< 1
Hexachlorocyclopentadiene	ug/l	< 2	< 2	< 1
indeno(1,2,3-cd)pyrene	ug/l	< 0.01	< 0.01	< 0.01
Isopropylbenzene	ug/l	< 1	< 1	< 1
Isoproturon	ug/l	< 0.1	< 0.1	< 0.1
Linuron	ug/l	< 0.1	< 0.1	< 0.1
m,p-xylenes	ug/l	< 2	< 2	< 2
Malathion	ug/l	< 1	< 1	< 1
Mecoprop	ug/l	< 0.02	< 0.02	< 0.02
Merphos	ug/l	< 2	< 2	< 1
Methoxychlor	ug/l	< 2	< 2	< 1
Methylene Chloride	ug/l	< 27	< 27	< 27
Methylparathion	ug/l	< 2	< 2	< 1
Mevinphos	ug/l	< 2	< 2	< 1
Monuron	ug/l	< 0.1	< 0.1	< 0.1
N-butylbenzene	ug/l	< 1	< 1	< 1
n-propylbenzene	ug/l	< 1	< 1	< 1
Naled	ug/l	< 2	< 2	< 1
Naphthalene	ug/l	< 0.05	< 0.05	< 0.05
o-xylene	ug/l	< 1	< 1	< 1
p-cresol ug/l	ug/l	< 0.13	< 0.1	< 0.1
p-Isopropyltoluene	ug/l	< 1	< 1	< 1
PAH (Sum of EPA 16)	ug/l	< 0.2	< 0.2	< 0.2

PCB - 052	ug/l	< 0.2	< 0.2	< 0.2
PCB - 101	ug/l	< 0.3	< 0.3	< 0.3
PCB - 138	ug/l	< 0.2	< 0.2	< 0.2
PCB - 153	ug/l	< 0.2	< 0.2	< 0.2
PCB - 180	ug/l	< 0.2	< 0.2	< 0.2
PCB 118 + PCB 123	ug/l	< 0.6	< 0.6	< 0.6
PCB 28 + PCB 31	ug/l	< 0.3	< 0.3	< 0.3
PCB 7 Total	ug/l	< 1	< 1	< 1
Pentachlorophenol	ug/l	< 2	< 2	< 1
Phenanthrene	ug/l	< 0.01	< 0.01	< 0.01
Phenol	ug/l	< 0.13	< 0.1	< 0.1
Phorate	ug/l	< 2	< 2	< 1
Prometon	ug/l	< 2	< 2	< 1
Prometryn	ug/l	< 2	< 2	< 1
Propazine	ug/l	< 2	< 2	< 1
Pyrene	ug/l	< 0.01	< 0.01	< 0.01
Ronnel	ug/l	< 2	< 2	< 1
sec-butylbenzene	ug/l	< 1	< 1	< 1
Secbumeton	ug/l	< 2	< 2	< 1
Simazine	ug/l	< 2	< 2	< 1
Stirofos	ug/l	< 2	< 2	< 1
Styrene	ug/l	< 1	< 1	< 1
Symetryn	ug/l	< 2	< 2	< 1
Terbuthylazine	ug/l	< 2	< 2	< 1
Terbutryn	ug/l	< 2	< 2	< 1
Tert-butylbenzene	ug/l	< 1	< 1	< 1
Tetrachloroethylene	ug/l	< 1	< 1	< 1
Tokuthion	ug/l	< 2	< 2	< 1
Toluene	ug/l	< 1	< 1	< 1
Trans-1,2 Dichloroethene	ug/l	< 1	< 1	< 1
Trans-1,3 Dichloropropene	ug/l	< 1	< 1	< 1
Tributyl Phosphate	ug/l	< 0.02	< 0.02	< 0.02
Tributyl tin (TBT)	ug/l	< 1	< 1	< 1
Trichlorinate	ug/l	< 2	< 2	< 1
Trichloroethene	ug/l	< 1	< 1	< 1
Triphenyl tin	ug/l	< 1	< 1	< 1

[illegible]

< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01
< 1	< 1	< 1
< 1	< 1	< 1
< 1	< 1	< 1
< 1	< 1	< 1
< 0.01	< 0.01	0.01
< 1	< 1	< 1
< 0.02	< 0.02	< 0.02
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< 1	< 1	< 1
< 0.02	< 0.02	< 0.02
< 1	< 1	< 1
< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01
< 0.01	< 0.01	< 0.01
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< 0.0001	0.0011	< 0.0001
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< 0.1	< 0.1	< 0.1
< 0.01	< 0.01	< 0.01
< 1	< 1	< 1
< 1	< 1	< 1
0.4	< 0.1	0.5
< 40	< 40	< 40
< 1	< 1	< 1
< 1	< 1	< 1
< 1	< 1	< 1
30	29	26
< 1	< 1	< 1
< 1	< 1	< 1
< 0.01	< 0.01	< 0.01
< 1	< 1	< 1
< 1	< 1	< 1

< 1	< 1	< 1
< 0.02	< 0.02	< 0.02
< 1	< 1	< 1
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< 1	< 1	< 1
< 0.1	< 0.1	< 0.1
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55	45	110
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< 0.01	< 0.01	< 0.01
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< 1	< 1	< 1
< 0.01	< 0.01	< 0.01
< 1	< 1	< 1
< 0.1	< 0.1	< 0.1
< 0.1	< 0.1	< 0.1
< 2	< 2	< 2
< 1	< 1	< 1
< 0.02	< 0.02	< 0.02
< 1	< 1	< 1
< 1	< 1	< 1
< 27	< 27	< 27
< 1	< 1	< 1
< 1	< 1	< 1
< 0.1	< 0.1	< 0.1
< 1	< 1	< 1
< 1	< 1	< 1
< 1	< 1	< 1
< 0.05	< 0.05	< 0.05
< 1	< 1	< 1
< 0.13	< 0.1	< 0.1
< 1	< 1	< 1
< 0.2	< 0.2	< 0.2

[illegible]

Note: Permit Number EPR/BP3738LS for both phases of the site.

	Date	Nox (mg/m3)	CO (mg/m3)	Fail/Pass	Action Taken
Unit 1	01/12/2020	489	1139	Pass	

Date	Time	CH4 % v/v	CO2 % v/v	O2 % v/v	Balance % v/v
02/10/2020	09:00	42.7	29.8	0.9	26.6
05/10/2020	07:50	43.8	28	0.8	27.4
09/10/2020	09:27	50.3	30.4	1.1	18.2
12/10/2020	08:27	47	29	1.4	22.6
14/10/2020	08:29	46.1	29	1.3	23.6
15/10/2020	08:43	46.1	32.6	1.4	19.9
21/10/2020	08:30	52.9	35.6	0.9	10.6
23/10/2020	10:15	49.5	30.8	0.9	18.9
26/10/2020	14:00	48.03	28.88	1.66	21.43
27/10/2020	12:38	46.5	29.6	0.8	23.1
30/10/2020	09:04	49.1	29.4	0.5	21
02/11/2020	07:54	48.5	29.3	0.6	21.6
05/11/2020	10:45	47.2	29.5	0.7	22.6
11/11/2020	08:27	49.9	30.8	0.8	18.5
16/11/2020	09:00	46.21	28.73	0.72	14.34
18/11/2020	09:00	51.5	34.6	0.7	13.3
23/11/2020	11:10	50.56	31.92	0.22	17.3
26/11/2020	13:56	51.6	32	0.3	16.1
01/12/2020	14:25	48.8	29.1	0.5	21.6
14/12/2020	15:17	49.4	31.7	0.8	19.1
15/12/2020	08:15	47.7	30.7	0.9	
16/12/2020	08:15	50.2	32.2	0.7	
17/12/2020	08:15	48	30.6	0.9	
22/12/2020	12:45	48.5	31.5	0.6	19.4
28/12/2020	08:30	52.6	33.42	0.37	
29/12/2020	12:37	48.1	28.8	1	22.1

Suction -mb	Del. Pressure mb
-37.13	116
-35.1	117
-28.5	130
-35	
-35	
-35	144.55
-20.56	155.28
-20.8	149.78
35.5	117
-37.62	
-35	121
-35	118
-35	125
-26.1	134
-36	117
-30.3	149.95
-23.9	137
-24.5	137
-35	128
-28.3	122
-27	
-26.8	
-26.3	
-29.6	145
-36.9	119