Oberon Council
Oberon Waste Facility
Lowes Mount Road, Oberon NSW
EPL 20289
Waste Disposal (application to land)

Sampling Point 1 (SW1)

Sampling Frequency (during discharge)			Monthly	Monthly	Monthly	Monthly
Discharge Limit						
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Suspended Solids (mg/L)**	**Oil and Grease (mg/L)**
Nil Discharge						
15-Apr-14	2-Jun-14		7.41	304	69	<5
13-May-14	10-Jun-14		7.58	302	25	<5
4-Jun-14	4-Aug-14		7.45	273	10	<5
22-Jul-14	4-Aug-14		7.58	172	7	<5
10-Sep-14	24-Sep-14		7.58	143	11	<5
22-Dec-14	21-Jan-15		7.67	167	8	<5
6-May-15	28-May-15		11.7	8.4		
23-Jun-15	8-Jul-15		7.08	112	15	7
16-Jul-15	7-Aug-15		7.08	107	70	10
5-Aug-15	25-Sep-15		7.32	126	15	< 5
10-Sep-15	29-Sep-15		8.13	601	85	< 5
23-Nov-15	17-Dec-15		7.62	184	12	< 5
23-Dec-15	15-Jan-16		No Discharge			
15-Jan-16	3-Feb-16		No Discharge			
3-Feb-16	11-Mar-16		No Discharge			
11-Mar-16	22-Apr-16		No Discharge			
22-Apr-16	19-May-16		No Discharge			
19-May-16	28-Jun-16		No Discharge			
4-Jul-16	21-Sep-16		No Discharge			
11-Jul-16	21-Sep-16		7.14	75	8	< 5
17-Aug-16	21-Sep-16		No Discharge			
5-Sep-16	21-Sep-16		7.57	478	60	< 5
10-Oct-16	2-Dec-16		7.94	643	10	< 5
7-Nov-16	2-Dec-16		7.77	733	15	< 5

15-Dec-16	22-Dec-16		No Discharge			
11-Jan-17	31-Jan-17		No Discharge			
7-Feb-17	28-Feb-17		No Discharge			
9-Mar-17	28-Mar-17		No Discharge			
11-Apr-17	28-Apr-17		No Discharge			
17-May-17	8-Jun-17		No Discharge			
17-Jun-17	17-Jun-17		No Discharge			
11-Jul-17	11-Jul-17		No Discharge			
22-Aug-17	22-Aug-17		No Discharge			
7-Sep-17	7-Sep-17		No Discharge			
5-Oct-17	5-Oct-17		No Discharge			
13-Nov-17	13-Nov-17		No Discharge			
4-Dec-17	4-Dec-17		6.9	400	46	10
15-Jan-18	15-Jan-18		7.1	630	41	< 10
16-Feb-18	16-Feb-18		No Discharge			
23-Mar-18	23-Mar-18		No Discharge			
27-Apr-18	27-Apr-18		No Discharge			
28-May-18	28-May-18		No Discharge			
18-Jun-18	18-Jun-18		No Discharge			
18-Jul-18	18-Jul-18		No Discharge			
17-Aug-18	17-Aug-18		No Discharge			
6-Sep-18	6-Sep-18		No Discharge			
29-Oct-18	29-Oct-18		No Discharge			
14-Nov-18	21-Jan-19		7.1	490	27	21
18-Dec-18	21-Jan-19		7.2	310	150	< 10
30-Jan-19	24-Apr-19		No Discharge			
19-Feb-19	24-Apr-19		No Discharge			
28-Mar-19	24-Apr-19		7.1	140	17	< 10

Sampling Point 2 (Groundwater BH1S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
19-Nov-13	11-Dec-13		7.12	141	92	32	22	5	9
13-May-14	10-Jun-14		6.35	122	79	22	19	5	<1
5-Nov-14	4-Dec-14		6.25	95	62	11	18	6	<1

6-May-15	28-May-15		6.27	92	60	11	15	5	< 1
23-Nov-15	17-Dec-15		6.25	90	58	12	13	5	< 1
19-May-16	Insufficient								
5-Sep-16	21-Sep-16		6.38	113	73	29	12	6	3
7-Nov-16	Insufficient								
17-May-17	Insufficient								
13-Nov-17	Insufficient								
28-May-18	Insufficient								
14-Nov-18	21-Jan-19		6.5	190	110	34	1.7	34	14

Sampling Point 3 (Groundwater BH1D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
19-Nov-13	11-Dec-13		6.04	126	82	27	11	10	2
13-May-14	10-Jun-14								
5-Nov-14	4-Dec-14		6.09	123	80	28	11	12	3
23-Nov-15	17-Dec-15		6.44	126	82	29	10	14	4
7-Nov-16	2-Dec-16		6.36	120	78	27	9	11	4
13-Nov-17	Insufficient								
28-May-18	28-Jun-18		6	100	89	24	9.1	11	2.8

Sampling Point 4 (Groundwater BH2)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
19-Nov-13	11-Dec-13		6.43	402	261	51	<1	58	1
13-May-14	10-Jun-14		6.67	419	272	50	<1	60	<1
5-Nov-14	4-Dec-14		6.25	438	285	59	<1	58	1
6-May-15	28-May-15		6.27	465	302	55	13	56	2
23-Nov-15	17-Dec-15		6.52	460	299	59	< 1	53	2

19-May-16	Insufficient								
5-Sep-16	Insufficient								
7-Nov-16	2-Dec-16		6.41	440	286	53	< 1	55	1
17-May-17	Insufficient								
13-Nov-17	10-Jan-18		5.9	470	300	56	< 1	69	1.4
28-May-18	28-Jun-18		6.1	470	310	57	< 1	69	3
14-Nov-18	21-Jan-19		5.8	490	340	59	< 1	75	2.9

Sampling Point 5 (Groundwater BH3S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
20-Nov-13	Insufficient Recharge								
13-May-14	10-Jun-14		7.57	535	348	220	9	36	5
5-Nov-14	4-Dec-14		7.53	626	407	272	21	36	9
6-May-15	28-May-15		7.38	577	375	230	10	36	8
23-Nov-15	17-Dec-15		7.1	552	359	211	8	42	10
19-May-16	Insufficient								
5-Sep-16	21-Sep-16		6.63	415	270	141	8	40	4
7-Nov-16	2-Dec-16		6.73	359	233	121	7	32	2
17-May-17	Insufficient								
13-Nov-17	10-Jan-18		6.7	590	360	250	10	32	5.1
28-May-18	Insufficient								
14-Nov-18	21-Jan-19		6.5	580	410	220	9	29	11

Sampling Point 6 (Groundwater BH3D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
20-Nov-13	Piezometer Blocked								
25-Feb-14	14-Mar-14		7.43	292	190	111	10	10	16

13-May-14	10-Jun-14								
5-Nov-14	4-Dec-14		6.86	191	124	75	7	12	4
23-Nov-15	17-Dec-15		6.88	191	124	67	6	12	5
7-Nov-16	2-Dec-16		6.58	179	116	63	6	11	5
13-Nov-17	Insufficient								
28-May-18	28-Jun-18		6.3	180	150	74	6.6	13	4.8

Sampling Point 7 (Groundwater BH4S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
20-Nov-13	Insufficient Recharge								
13-May-14	Insufficient Recharge								
5-Nov-14	4-Dec-14		7.19	1060	689	320	31	146	3
6-May-15	Insufficient Recharge								
23-Nov-15	17-Dec-15		7.21	773	502	221	7	106	4
19-May-16	Insufficient								
5-Sep-16	21-Sep-16		7.04	1160	754	366	12	154	8
7-Nov-16	Insufficient								
17-May-17	Insufficient								
13-Nov-17	Insufficient								
28-May-18	Insufficient								
14-Nov-18	21-Jan-19								

Sampling Point 8 (Groundwater BH4D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
20-Nov-13	11-Dec-13		7.26	280	182	123	11	6	13
13-May-14	10-Jun-14								
5-Nov-14	4-Dec-14		6.98	231	150	114	6	5	10

23-Nov-15	17-Dec-15		7.32	260	169	127	5	5	15
7-Nov-16	2-Dec-16		7.12	229	149	101	4	4	12
13-Nov-17	Insufficient								
28-May-18	28-Jun-18		6.7	220	150	110	4.5	4.7	13

Sampling Point 9 (Groundwater BH5)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
20-Nov-13	11-Dec-13		7.79	1360	884	468	186	42	14
13-May-14	10-Jun-14		8.02	1420	923	545	159	49	14
5-Nov-14	4-Dec-14		7.64	1400	910	534	180	40	12
6-May-15	28-May-15		6.02	115	75	26	10	11	3
23-Nov-15	17-Dec-15		7.86	1380	897	517	172	37	13
19-May-16	Insufficient								
5-Sep-16	Insufficient								
7-Nov-16	2-Dec-16		7.7	1280	832	453	152	33	13
17-May-17	Insufficient								
13-Nov-17	10-Jan-18		7.1	1200	660	460	160	36	12
28-May-18	Insufficient								
14-Nov-18	21-Jan-19		7.1	460	290	170	40	19	12

Sampling Point 10 (Groundwater BH6S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
19-Nov-13	Insufficient Recharge								
13-May-14	10-Jun-14		7.42	262	170	134	3	5	4
5-Nov-14	4-Dec-14		6.98	496	322	198	9	37	<1
6-May-15	Insufficient Recharge								
23-Nov-15	Insufficient Recharge								

19-May-16	Insufficient								
5-Sep-16	Insufficient								
7-Nov-16	2-Dec-16		7.46	1140	741	564	2	35	9
17-May-17	Insufficient								
13-Nov-17	Insufficient								
28-May-18	Insufficient								
14-Nov-18	Insufficient								

Sampling Point 11 (Groundwater BH6D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**pH (pH units)**	**Electrical Conductivity (µS/cm)**	**Total Dissolved Solids (mg/L)**	**Total Alkalinity as CaCO3 (mg/L)**	**Sulfate (mg/L)**	**Chloride (mg/L)**	**Calcium (mg/L)**
19-Nov-13	11-Dec-13		7.42	244	159	114	3	6	6
13-May-14	10-Jun-14								
5-Nov-14	4-Dec-14		7.27	268	174	140	5	5	5
23-Nov-15	17-Dec-15		7.5	246	160	123	3	5	6
7-Nov-16	2-Dec-16		7.1	221	144	82	4	16	4
13-Nov-17	Insufficient								
28-May-18	28-Jun-18		6.9	220	140	99	3.3	11	5.1

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
<1	20	<1	0.92	<0.001	0.038	<0.0001	0.002	0.004	<0.001	0.00
<1	24	<1								
<1	20	<1	<0.01	<0.001	0.007	<0.0001	<0.001	0.001	<0.001	<0.001

< 1	23	< 1	-	-	-	-	-	-	-	-
< 1	16	< 1	< 0.01	< 0.001	0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001
< 1	21	< 1	-	-	-	-	-	-	-	-
3.1	10	7.1	-	-	-	-	-	-	-	-

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
3	12	3	0.05	<0.001	0.093	<0.0001	<0.001	0.004	0.002	0.01
4	13	4	<0.01	<0.001	0.116	<0.0001	<0.001	0.004	0.002	0.01
4	11	3	0.02	< 0.001	0.128	< 0.0001	< 0.001	0.003	0.002	0.01
4	10	3	< 0.01	< 0.001	0.14	< 0.0001	< 0.001	0.002	0.001	0.01
4	10	2.9	< 0.005	< 0.001	0.17	< 0.0001	< 0.001	< 0.001	0.002	-

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
34	18	<1	0.93	<0.001	0.338	0.0002	0.004	0.008	0.01	0.02
34	19	<1								
37	22	<1	<0.01	<0.001	0.299	0.0001	<0.001	0.001	0.001	0.014
52	24	< 1	-	-	-	-	-	-	-	-
40	17	< 1	0.02	< 0.001	0.305	0.0001	< 0.001	< 0.001	0.00	0.01

36	16	< 1	< 0.01	< 0.001	0.33	0.0001	< 0.001	< 0.001	0.00	0.01
39	16	0.3	-	-	-	-	-	-	-	-
40	18	0.5	< 0.005	< 0.001	0.42	0.0002	< 0.001	0.001	0.00	
39	16	0.4	-	-	-	-	-	-	-	-

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
11	98	1								
19	98	<1	1.42	0.007	0.21	0.0002	0.003	0.018	0.013	0.003
22	91	< 1	-	-	-	-	-	-	-	-
18	99	3	1.4	0.005	0.157	0.0005	0.004	0.124	0.02	0.02
15	58	< 1	-	-	-	-	-	-	-	-
16	50	< 1	4.2	0.009	0.589	0.0002	0.006	0.121	0.09	0.01
16	100	0.5	-	-	-	-	-	-	-	-
15	100	1	-	-	-	-	-	-	-	-

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
13	16	1	0.16	<0.001	0.081	0.0002	0.001	0.017	<0.001	0.01

12	16	2	0.02	<0.001	0.049	<0.0001	<0.001	<0.001	<0.001	0.00
13	14	1	< 0.01	< 0.001	0.046	< 0.0001	< 0.001	< 0.001	< 0.001	0.00
12	13	2	0.01	< 0.001	0.052	< 0.0001	< 0.001	< 0.001	< 0.001	0.00
13	15	1.5	< 0.005	< 0.001	0.068	< 0.0001	< 0.001	< 0.001	< 0.001	

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
41	155	1	0.03	0.002	0.116	<0.0001	<0.001	<0.001	0.014	0.005
42	95	< 1	< 0.01	< 0.001	0.101	< 0.0001	< 0.001	< 0.001	0.01	0.01
40	160	1	-	-	-	-	-	-	-	-

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
14	26	1	0.06	0.012	0.037	<0.0001	<0.001	0.003	0.00	0.00
14	16	1	<0.01	0.004	0.01	<0.0001	<0.001	<0.001	<0.001	0.00

15	17	1	< 0.01	0.01	0.022	< 0.0001	< 0.001	< 0.001	< 0.001	0.00
14	12	1	< 0.01	0.012	0.018	< 0.0001	< 0.001	< 0.001	< 0.001	0.00
14	13	1.4	< 0.005	15	0.022	< 0.0001	< 0.001	< 0.001	< 0.001	

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
81	168	<1	0.36	0.001	0.065	<0.0001	<0.001	0.004	<0.001	0.00
78	166	2								
83	182	<1	<0.01	<0.001	0.034	<0.0001	<0.001	0.001	<0.001	<0.001
5	14	4	-	-	-	-	-	-	-	-
87	179	< 1	< 0.01	< 0.001	0.034	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001
74	159	< 1	0.04	< 0.001	0.033	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001
74	170	0.9	-	-	-	-	-	-	-	-
21	44	0.7	-	-	-	-	-	-	-	-

Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
18	14	3								
19	72	1	0.01	<0.001	0.232	<0.0001	<0.001	<0.001	0.004	0.008

50	178	< 1	< 0.01	0.005	0.444	< 0.0001	< 0.001	< 0.001	0.00	< 0.001

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Magnesium (mg/L)	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**
19	14	3	0.08	0.005	0.031	<0.0001	<0.001	0.002	0.00	0.00
21	16	3	<0.01	0.009	0.02	<0.0001	<0.001	<0.001	0.001	0.001
21	14	3	0.02	0.001	0.009	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001
18	10	2	< 0.01	0.01	0.011	< 0.0001	< 0.001	< 0.001	0.00	< 0.001
19	12	2.6	< 0.005	9	0.012	< 0.0001	< 0.001	< 0.001	0.00	

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
0.00	0.04	0.01	0.25	<0.0001	<0.1	0.02	<0.01	1.62	0.64	4
					<0.1	<0.01	<0.01	1.51	0.16	2
<0.001	0.01	0.00	<0.05	<0.0001	0.20	<0.01	<0.01	1.55	0.08	2

-	-	-	-	-	< 0.1	0.03	< 0.01	1.75	0.16	2
< 0.001	< 0.005	0.00	< 0.05	< 0.0001	< 0.1	0.03	< 0.01	1.44	0.16	6
-	-	-	-	-	< 0.1	< 0.01	< 0.01	1.43	0.22	2
-	-	-	-	-	-	0.02	< 0.005	0.05	0.28	6

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
0.00	0.038	0.04	0.52	<0.0001	<0.1	0.02	<0.01	0.02	0.24	<1
<0.001	0.037	0.03	<0.05	<0.0001	<0.1	0.01	<0.01	0.05	0.19	2
< 0.001	0.033	0.03	< 0.05	< 0.0001	< 0.1	0.02	< 0.01	0.13	0.02	5
< 0.001	0.026	0.02	< 0.05	< 0.0001	0.10	< 0.01	< 0.01	0.12	0.02	4
< 0.001	0.017	0.02	6.00	< 0.0001	< 0.1	0.01	< 0.005	0.08	< 0.02	1

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
0.00	0.05	0.20	0.95	<0.0001	<0.1	0.03	<0.01	16.70	0.58	<1
					<0.1	<0.01	<0.01	15.4	0.95	<1
<0.001	0.016	0.05	<0.05	<0.0001	0.1	<0.01	<0.01	16.9	0.94	<1
-	-	-	-	-	< 0.1	< 0.01	0.01	18.3	0.74	1
< 0.001	0.01	0.06	< 0.05	< 0.0001	< 0.1	0.06	< 0.01	17.10	0.91	7

< 0.001	0.01	0.04	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	16.60	0.13	2
-	-	-	-	-	-	0.04	< 0.005	17.00	0.69	1
< 0.001	0.03	0.10	< 0.005	< 0.0001	< 0.1	0.07	< 0.005	16.00	1.50	2
-	-	-	-	-	-	< 0.01	< 0.005	17.00	1.70	2

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
					0.8	0.08	<0.01	<0.01	0.34	6
0.005	0.044	0.964	0.72	<0.0001	0.9	0.08	<0.01	<0.01	3.68	14
-	-	-	-	-	0.7	0.03	< 0.01	0.01	1.67	2
0.16	0.20	0.68	0.92	< 0.0001	0.80	0.06	< 0.01	0.02	1.35	5
-	-	-	-	-	0.60	0.06	< 0.01	0.08	3.22	2
0.02	0.07	1.34	3.75	< 0.0001	0.60	0.04	< 0.01	0.03	2.38	2
-	-	-	-	-	-	0.02	< 0.005	< 0.05	1.70	5
-	-	-	-	-	-	0.02	< 0.005	6.60	1.40	5

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
0.01	0.06	0.04	0.08	0.00	0.30	<0.01	<0.01	0.11	0.46	1

<0.001	0.01	0.01	<0.05	<0.0001	0.20	<0.01	<0.01	0.19	0.09	<1
< 0.001	0.01	0.02	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	0.08	0.11	6
< 0.001	0.01	0.00	< 0.05	< 0.0001	0.30	< 0.01	< 0.01	0.12	0.09	1
< 0.001	0.01	0.00	0.01	< 0.0001	0.16	< 0.01	< 0.005	0.07	0.08	1

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
<0.001	0.006	1.5	1.43	<0.0001	0.6	0.12	<0.01	0.08	0.72	14
< 0.001	< 0.005	2.66	0.33	< 0.0001	0.40	0.06	< 0.01	0.09	0.34	5
-	-	-	-	-	0.70	0.06	< 0.01	0.06	0.48	7

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
<0.001	0.05	0.63	3.08	<0.0001	0.40	0.03	<0.01	0.04	0.29	3.00
<0.001	0.02	0.48	<0.05	<0.0001	0.30	<0.01	<0.01	0.01	0.29	<1

< 0.001	0.01	0.48	2.47	< 0.0001	0.30	< 0.01	< 0.01	0.02	0.24	2
< 0.001	0.01	0.55	3.02	< 0.0001	0.30	0.01	< 0.01	0.02	0.27	< 1
< 0.001	0.02	0.56	3.40	< 0.0001	0.25	0.02	< 0.005	0.02	0.26	1

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
0.00	0.02	0.02	0.15	<0.0001	1.70	0.02	<0.01	4.50	<0.10	9.00
					1.7	0.02	0.02	4.41	0.05	1
<0.001	0.009	0.006	<0.05	<0.0001	1.5	<0.01	<0.01	4.58	0.09	2
-	-	-	-	-	< 0.1	< 0.01	< 0.01	0.04	< 0.01	1
< 0.001	0.01	0.01	< 0.05	< 0.0001	1.50	0.01	< 0.01	4.24	0.02	3
< 0.001	< 0.005	0.01	< 0.05	< 0.0001	1.50	< 0.01	< 0.01	3.91	0.02	2
-	-	-	-	-	-	0.02	< 0.005	3.00	0.06	7
-	-	-	-	-	-	< 0.01	< 0.005	0.70	0.18	9

Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
					0.2	0.02	<0.01	0.04	0.11	<1
<0.001	0.014	0.127	<0.05	<0.0001	0.2	0.02	<0.01	0.01	1.06	3

< 0.001	< 0.005	0.60	7.99	< 0.0001	0.60	< 0.01	< 0.01	0.03	0.06	5

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Lead (mg/L)	**Zinc (mg/L)**	**Manganese (mg/L)**	**Iron (mg/L)**	**Mercury (mg/L)**	**Fluoride (mg/L)**	**Ammonia as N (mgN/L)**	**Nitrite as N (mgN/L)**	**Nitrate as N (mgN/L)**	**Total Phosphorus (mg/L)**	**Total Organic Carbon (mg/L)**
<0.001	0.04	0.63	0.99	<0.0001	0.20	0.02	<0.01	0.03	0.30	<1
<0.001	0.009	0.684	1.5	<0.0001	0.2	<0.01	<0.01	0.04	0.31	<1
< 0.001	< 0.005	0.53	< 0.05	< 0.0001	0.10	0.01	< 0.01	0.02	0.14	2
< 0.001	< 0.005	0.72	2.97	< 0.0001	0.10	< 0.01	< 0.01	< 0.01	0.41	1
< 0.001	0.01	0.62	2.30	< 0.0001	0.11	0.02	< 0.005	0.09	0.33	1

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.46
						1110.07
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.88

-	-	-	-	-	-	1112.2
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.05
						1109.45
-	-	-	-	-	-	1113.41
						1112.73
						1109.5
						1109.37
						1109.37
-	-	-	-	-	-	1110.93

Annual	Annual	Annual	Annual	Annual	Annual	Annual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1109.61
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.53
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1111.48
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.01
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1107.39

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1111.81
						1112.02
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.15
-	-	-	-	-	-	1111.97
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1110.62

						-
						-
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1112.78
						1107.72
-	-	-	-	-	-	1109.84
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1109.02
-	-	-	-	-	-	1107.72

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
						1104.51
						1104.56
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.83
-	-	-	-	-	-	1104.87
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.1
						1103.59
-	-	-	-	-	-	1105.53
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.32
						1103.63
-	-	-	-	-	-	1103.43
						1101.92
-	-	-	-	-	-	1103.2

Annual	Annual	Annual	Annual	Annual	Annual	Annual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
			* Standing Water Level unlikely to be accurate due to blockage.			1104.92
<0.010	<0.014	<0.014	<0.0005	<0.001	<0.07	1103.82*

*replacement

						1104.62 *replacement
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.02
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.2
						-
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1101.95

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
						1104.75
						1104.89
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72
						1104.24
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.1
						1101.5
-	-	-	-	-	-	1105.18
						1104.8
						1101.42
						1101.72
						-
						1101.47

Annual	Annual	Annual	Annual	Annual	Annual	Annual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.89
						1104.93
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.24

<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.46
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.71
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1102.16

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.86
						1105.78
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.09
-	-	-	-	-	-	1105.64
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.45
						1103.78
						-
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1106.76
						1102.88
-	-	-	-	-	-	1104.28
						1102.46
-	-	-	-	-	-	1110.93

Annual	Annual	Annual	Annual	Annual	Annual	Biannual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
						1118.24
						1117.87
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.17
						1120.96
						-

						-
						-
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1119.85
						1117.2
						1117.2
						-
						-

Annual	Annual	Annual	Annual	Annual	Annual	Annual
Organochlorine Pesticides (mg/L)	**Organophosphorus Pesticides (mg/L)**	**Phenolic Compounds (mg/L)**	**Polynuclear Aromatic Hydrocarbons (mg/L)**	**BTEX (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Standing Water Level (mAHD)**
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.14
						1118.13
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.26
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1118.47
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1119.48
<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1115.98