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			

Sampling Point 2 (Groundwater BH1S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
19-Nov-13	11-Dec-13		7.12	141	92	32	22	5	9	<1	20	<1	0.92	<0.001
13-May-14	10-Jun-14		6.35	122	79	22	19	5	<1	<1	24	<1		
5-Nov-14	4-Dec-14		6.25	95	62	11	18	6	<1	<1	20	<1	<0.01	<0.001
6-May-15	28-May-15		6.27	92	60	11	15	5	< 1	< 1	23	< 1	-	-
23-Nov-15	17-Dec-15		6.25	90	58	12	13	5	< 1	< 1	16	< 1	< 0.01	< 0.001
19-May-16	Insufficient													
5-Sep-16	21-Sep-16		6.38	113	73	29	12	6	3	< 1	21	< 1	-	-
7-Nov-16	Insufficient													
17-May-17	Insufficient													
13-Nov-17	Insufficient													
28-May-18	Insufficient													

Sampling Point 3 (Groundwater BH1D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
19-Nov-13	11-Dec-13		6.04	126	82	27	11	10	2	3	12	3	0.05	<0.001
13-May-14	10-Jun-14													
5-Nov-14	4-Dec-14		6.09	123	80	28	11	12	3	4	13	4	<0.01	<0.001
23-Nov-15	17-Dec-15		6.44	126	82	29	10	14	4	4	11	3	0.02	< 0.001
7-Nov-16	2-Dec-16		6.36	120	78	27	9	11	4	4	10	3	< 0.01	< 0.001
13-Nov-17	Insufficient													
28-May-18	28-Jun-18		6	100	89	24	9.1	11	2.8	4	10	2.9	< 0.005	< 0.001

Sampling Point 4 (Groundwater BH2)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
19-Nov-13	11-Dec-13		6.43	402	261	51	<1	58	1	34	18	<1	0.93	<0.001
13-May-14	10-Jun-14		6.67	419	272	50	<1	60	<1	34	19	<1		
5-Nov-14	4-Dec-14		6.25	438	285	59	<1	58	1	37	22	<1	<0.01	<0.001
6-May-15	28-May-15		6.27	465	302	55	13	56	2	52	24	< 1	-	-
23-Nov-15	17-Dec-15		6.52	460	299	59	< 1	53	2	40	17	< 1	0.02	< 0.001
19-May-16	Insufficient													
5-Sep-16	Insufficient													
7-Nov-16	2-Dec-16		6.41	440	286	53	< 1	55	1	36	16	< 1	< 0.01	< 0.001
17-May-17	Insufficient													
13-Nov-17	10-Jan-18		5.9	470	300	56	< 1	69	1.4	39	16	0.3	-	-
28-May-18	28-Jun-18		6.1	470	310	57	< 1	69	3	40	18	0.5	< 0.005	< 0.001

Sampling Point 5 (Groundwater BH3S)

Sampling Frequency (where liquid is present)	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)
20-Nov-13	Insufficient Recharge													
13-May-14	10-Jun-14		7.57	535	348	220	9	36	5	11	98	1		
5-Nov-14	4-Dec-14		7.53	626	407	272	21	36	9	19	98	<1	1.42	0.007
6-May-15	28-May-15		7.38	577	375	230	10	36	8	22	91	< 1	-	-
23-Nov-15	17-Dec-15		7.1	552	359	211	8	42	10	18	99	3	1.4	0.005
19-May-16	Insufficient													
5-Sep-16	21-Sep-16		6.63	415	270	141	8	40	4	15	58	< 1	-	-
7-Nov-16	2-Dec-16		6.73	359	233	121	7	32	2	16	50	< 1	4.2	0.009
17-May-17	Insufficient													
13-Nov-17	10-Jan-18		6.7	590	360	250	10	32	5.1	16	100	0.5	-	-
28-May-18	Insufficient													

Sampling Point 6 (Groundwater BH3D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
20-Nov-13	Piezometer Blocked													
25-Feb-14	14-Mar-14		7.43	292	190	111	10	10	16	13	16	1	0.16	<0.001
13-May-14	10-Jun-14													
5-Nov-14	4-Dec-14		6.86	191	124	75	7	12	4	12	16	2	0.02	<0.001
23-Nov-15	17-Dec-15		6.88	191	124	67	6	12	5	13	14	1	< 0.01	< 0.001
7-Nov-16	2-Dec-16		6.58	179	116	63	6	11	5	12	13	2	0.01	< 0.001
13-Nov-17	Insufficient													
28-May-18	28-Jun-18		6.3	180	150	74	6.6	13	4.8	13	15	1.5	< 0.005	< 0.001

Sampling Point 7 (Groundwater BH4S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (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	41	155	1	0.03	0.002
6-May-15	Insufficient Recharge													
23-Nov-15	17-Dec-15		7.21	773	502	221	7	106	4	42	95	< 1	< 0.01	< 0.001
19-May-16	Insufficient													
5-Sep-16	21-Sep-16		7.04	1160	754	366	12	154	8	40	160	1	-	-
7-Nov-16	Insufficient													
17-May-17	Insufficient													
13-Nov-17	Insufficient													
28-May-18	Insufficient													

Sampling Point 8 (Groundwater BH4D)

Sampling Frequency (where liquid is present)	Annual	Annual	Annual	Annual	Annual	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)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)
20-Nov-13	11-Dec-13		7.26	280	182	123	11	6	13	14	26	1	0.06	0.012
13-May-14	10-Jun-14													
5-Nov-14	4-Dec-14		6.98	231	150	114	6	5	10	14	16	1	<0.01	0.004
23-Nov-15	17-Dec-15		7.32	260	169	127	5	5	15	15	17	1	< 0.01	0.01
7-Nov-16	2-Dec-16		7.12	229	149	101	4	4	12	14	12	1	< 0.01	0.012
13-Nov-17	Insufficient													
28-May-18	28-Jun-18		6.7	220	150	110	4.5	4.7	13	14	13	1.4	< 0.005	15

Sampling Point 9 (Groundwater BH5)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
20-Nov-13	11-Dec-13		7.79	1360	884	468	186	42	14	81	168	<1	0.36	0.001
13-May-14	10-Jun-14		8.02	1420	923	545	159	49	14	78	166	2		
5-Nov-14	4-Dec-14		7.64	1400	910	534	180	40	12	83	182	<1	<0.01	<0.001
6-May-15	28-May-15		6.02	115	75	26	10	11	3	5	14	4	-	-
23-Nov-15	17-Dec-15		7.86	1380	897	517	172	37	13	87	179	< 1	< 0.01	< 0.001
19-May-16	Insufficient													
5-Sep-16	Insufficient													
7-Nov-16	2-Dec-16		7.7	1280	832	453	152	33	13	74	159	< 1	0.04	< 0.001
17-May-17	Insufficient													
13-Nov-17	10-Jan-18		7.1	1200	660	460	160	36	12	74	170	0.9	-	-
28-May-18	Insufficient													

Sampling Point 10 (Groundwater BH6S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)**	**Magnesium (mg/L)**	**Sodium (mg/L)**	**Potassium (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**
19-Nov-13	Insufficient Recharge													
13-May-14	10-Jun-14		7.42	262	170	134	3	5	4	18	14	3		
5-Nov-14	4-Dec-14		6.98	496	322	198	9	37	<1	19	72	1	0.01	<0.001
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	50	178	< 1	< 0.01	0.005
17-May-17	Insufficient													
13-Nov-17	Insufficient													
28-May-18	Insufficient													

Sampling Point 11 (Groundwater BH6D)

Sampling Frequency (where liquid is present)	Annual	Annual	Annual	Annual	Annual	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)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)
19-Nov-13	11-Dec-13		7.42	244	159	114	3	6	6	19	14	3	0.08	0.005
13-May-14	10-Jun-14													
5-Nov-14	4-Dec-14		7.27	268	174	140	5	5	5	21	16	3	<0.01	0.009
23-Nov-15	17-Dec-15		7.5	246	160	123	3	5	6	21	14	3	0.02	0.001
7-Nov-16	2-Dec-16		7.1	221	144	82	4	16	4	18	10	2	< 0.01	0.01
13-Nov-17	Insufficient													
28-May-18	28-Jun-18		6.9	220	140	99	3.3	11	5.1	19	12	2.6	< 0.005	9

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Barium (mg/L)	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**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)**
0.038	<0.0001	0.002	0.004	<0.001	0.00	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
0.007	<0.0001	<0.001	0.001	<0.001	<0.001	<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
0.005	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 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

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Barium (mg/L)	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**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)**
0.093	<0.0001	<0.001	0.004	0.002	0.01	0.00	0.038	0.04	0.52	<0.0001	<0.1	0.02	<0.01	0.02	0.24	<1
0.116	<0.0001	<0.001	0.004	0.002	0.01	<0.001	0.037	0.03	<0.05	<0.0001	<0.1	0.01	<0.01	0.05	0.19	2
0.128	< 0.0001	< 0.001	0.003	0.002	0.01	< 0.001	0.033	0.03	< 0.05	< 0.0001	< 0.1	0.02	< 0.01	0.13	0.02	5
0.14	< 0.0001	< 0.001	0.002	0.001	0.01	< 0.001	0.026	0.02	< 0.05	< 0.0001	0.10	< 0.01	< 0.01	0.12	0.02	4
0.17	< 0.0001	< 0.001	< 0.001	0.002	-	< 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	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Barium (mg/L)	**Cadmium (mg/L)**	**Chromium (mg/L)**	**Copper (mg/L)**	**Cobalt (mg/L)**	**Nickel (mg/L)**	**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)**
0.338	0.0002	0.004	0.008	0.01	0.02	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
0.299	0.0001	<0.001	0.001	0.001	0.014	<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
0.305	0.0001	< 0.001	< 0.001	0.00	0.01	< 0.001	0.01	0.06	< 0.05	< 0.0001	< 0.1	0.06	< 0.01	17.10	0.91	7
0.33	0.0001	< 0.001	< 0.001	0.00	0.01	< 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
0.42	0.0002	< 0.001	0.001	0.00		< 0.001	0.03	0.10	< 0.005	< 0.0001	< 0.1	0.07	< 0.005	16.00	1.50	2

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual

Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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
0.21	0.0002	0.003	0.018	0.013	0.003	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
0.157	0.0005	0.004	0.124	0.02	0.02	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
0.589	0.0002	0.006	0.121	0.09	0.01	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

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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)
0.081	0.0002	0.001	0.017	<0.001	0.01	0.01	0.06	0.04	0.08	0.00	0.30	<0.01	<0.01	0.11	0.46	1
0.049	<0.0001	<0.001	<0.001	<0.001	0.00	<0.001	0.01	0.01	<0.05	<0.0001	0.20	<0.01	<0.01	0.19	0.09	<1
0.046	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.02	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	0.08	0.11	6
0.052	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.00	< 0.05	< 0.0001	0.30	< 0.01	< 0.01	0.12	0.09	1
0.068	< 0.0001	< 0.001	< 0.001	< 0.001		< 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	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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)
0.116	<0.0001	<0.001	<0.001	0.014	0.005	<0.001	0.006	1.5	1.43	<0.0001	0.6	0.12	<0.01	0.08	0.72	14
0.101	< 0.0001	< 0.001	< 0.001	0.01	0.01	< 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	Annual	Annual	Annual	Annual	Annual	Annual

Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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)
0.037	<0.0001	<0.001	0.003	0.00	0.00	<0.001	0.05	0.63	3.08	<0.0001	0.40	0.03	<0.01	0.04	0.29	3.00
0.01	<0.0001	<0.001	<0.001	<0.001	0.00	<0.001	0.02	0.48	<0.05	<0.0001	0.30	<0.01	<0.01	0.01	0.29	<1
0.022	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.48	2.47	< 0.0001	0.30	< 0.01	< 0.01	0.02	0.24	2
0.018	< 0.0001	< 0.001	< 0.001	< 0.001	0.00	< 0.001	0.01	0.55	3.02	< 0.0001	0.30	0.01	< 0.01	0.02	0.27	< 1
0.022	< 0.0001	< 0.001	< 0.001	< 0.001		< 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	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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)
0.065	<0.0001	<0.001	0.004	<0.001	0.00	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
0.034	<0.0001	<0.001	0.001	<0.001	<0.001	<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
0.034	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.01	0.01	< 0.05	< 0.0001	1.50	0.01	< 0.01	4.24	0.02	3
0.033	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 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

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual
Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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
0.232	<0.0001	<0.001	<0.001	0.004	0.008	<0.001	0.014	0.127	<0.05	<0.0001	0.2	0.02	<0.01	0.01	1.06	3
0.444	< 0.0001	< 0.001	< 0.001	0.00	< 0.001	< 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	Annual	Annual	Annual	Annual	Annual	Annual

Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	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)
0.031	<0.0001	<0.001	0.002	0.00	0.00	<0.001	0.04	0.63	0.99	<0.0001	0.20	0.02	<0.01	0.03	0.30	<1
0.02	<0.0001	<0.001	<0.001	0.001	0.001	<0.001	0.009	0.684	1.5	<0.0001	0.2	<0.01	<0.01	0.04	0.31	<1
0.009	< 0.0001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	0.53	< 0.05	< 0.0001	0.10	0.01	< 0.01	0.02	0.14	2
0.011	< 0.0001	< 0.001	< 0.001	0.00	< 0.001	< 0.001	< 0.005	0.72	2.97	< 0.0001	0.10	< 0.01	< 0.01	< 0.01	0.41	1
0.012	< 0.0001	< 0.001	< 0.001	0.00		< 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

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

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

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

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

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