

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
1-May-19	23-Jul-19		No Discharge			
6-Jun-19	29-Jan-20		No Discharge			
10-Jul-19	29-Jan-20		No Discharge			
19-Aug-19	29-Jan-20		No Discharge			
2-Sep-19	29-Jan-20		No Discharge			
9-Oct-19	29-Jan-20		No Discharge			
11-Nov-19	29-Jan-20		No Discharge			
8-Dec-19	29-Jan-20		No Discharge			
7-Jan-20	29-Jan-20		No Discharge			

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	0.589	0.0002	0.006	0.121	0.09
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																		
14-Nov-18	21-Jan-19		6.5	580	410	220	9	29	11	15	100	1	-	-	-	-	-	-	-
1-May-19	23-Jul-19		6.7	530	380	250	10	29	10	15	100	0.5	0.029	0.001	0.18	< 0.0001	< 0.001	0.002	0.007
11-Nov-19	29-Jan-20		6.7	550	380	230	9.4	40	8.8	14	96	0.3	-	-	-	-	-	-	-

Sampling Point 6 (Groundwater BH3D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	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)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (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	0.081	0.0002	0.001	0.017	<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	0.049	<0.0001	<0.001	<0.001	<0.001
23-Nov-15	17-Dec-15		6.88	191	124	67	6	12	5	13	14	1	< 0.01	< 0.001	0.046	< 0.0001	< 0.001	< 0.001	< 0.001
7-Nov-16	2-Dec-16		6.58	179	116	63	6	11	5	12	13	2	0.01	< 0.001	0.052	< 0.0001	< 0.001	< 0.001	< 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	0.068	< 0.0001	< 0.001	< 0.001	< 0.001
1-May-19	23-Jul-19		6.1	200	150	72	7.2	14	4.7	13	14	1.5	< 0.005	< 0.001	0.059	< 0.0001	< 0.001	< 0.001	< 0.001
11-Nov-19	29-Jan-20																		

Sampling Point 7 (Groundwater BH4S)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (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	0.116	<0.0001	<0.001	<0.001	0.014
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	0.101	< 0.0001	< 0.001	< 0.001	0.01
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																		
14-Nov-18	21-Jan-19																		
1-May-19	23-Jul-19																		
11-Nov-19	Insufficient																		

Sampling Point 8 (Groundwater BH4D)

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	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)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)
20-Nov-13	11-Dec-13		7.26	280	182	123	11	6	13	14	26	1	0.06	0.012	0.037	<0.0001	<0.001	0.003	0.00
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	0.01	<0.0001	<0.001	<0.001	<0.001
23-Nov-15	17-Dec-15		7.32	260	169	127	5	5	15	15	17	1	< 0.01	0.01	0.022	< 0.0001	< 0.001	< 0.001	< 0.001
7-Nov-16	2-Dec-16		7.12	229	149	101	4	4	12	14	12	1	< 0.01	0.012	0.018	< 0.0001	< 0.001	< 0.001	< 0.001
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	0.022	< 0.0001	< 0.001	< 0.001	< 0.001
1-May-19	23-Jul-19		6.5	250	140	120	5.2	5.1	15	15	12	1.5	< 0.005	0.003	0.025	< 0.0001	< 0.001	< 0.001	< 0.001
11-Nov-19	29-Jan-20																		

Sampling Point 9 (Groundwater BH5)

Sampling Frequency (where liquid is present)			Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	Biannual	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)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Cobalt (mg/L)

-	-	-	-	-	-	0.60	0.06	< 0.01	0.08	3.22	2	-	-	-	-	-	1105.53	
0.01	0.02	0.07	1.34	3.75	< 0.0001	0.60	0.04	< 0.01	0.03	2.38	2	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.32
																		1103.63
-	-	-	-	-	-	-	0.02	< 0.005	< 0.05	1.70	5	-	-	-	-	-	-	1103.43
																		1101.92
-	-	-	-	-	-	-	0.02	< 0.005	6.60	1.40	5	-	-	-	-	-	-	1103.2
	< 0.001	0.005	0.61	0.014	< 0.0001	0.63	0.03	< 0.005	1.90	2.20	2	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1102.74
-	-	-	-	-	-	-	0.04	<0.005	0.35	0.89	3	-	-	-	-	-	-	1102.98

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	
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)	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)	
																			1104.92
0.01	0.01	0.06	0.04	0.08	0.00	0.30	<0.01	<0.01	0.11	0.46	1	<0.010	<0.014	<0.014	<0.0005	<0.001	<0.07	1103.82*	
																			1104.62
0.00	<0.001	0.01	0.01	<0.05	<0.0001	0.20	<0.01	<0.01	0.19	0.09	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72	
0.00	< 0.001	0.01	0.02	< 0.05	< 0.0001	0.20	< 0.01	< 0.01	0.08	0.11	6	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.02	
0.00	< 0.001	0.01	0.00	< 0.05	< 0.0001	0.30	< 0.01	< 0.01	0.12	0.09	1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.2	
																			-
	< 0.001	0.01	0.00	0.01	< 0.0001	0.16	< 0.01	< 0.005	0.07	0.08	1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1101.95	
	< 0.001	0.006	0.003	< 0.005	< 0.0001	0.12	0.02	< 0.005	0.06	0.10	0	<0.01	<0.014	0.09	<0.0005	<0.001	<0.07	1102.26	
																			1102.94

*replacement
*replacement

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	
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)	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
0.005	<0.001	0.006	1.5	1.43	<0.0001	0.6	0.12	<0.01	0.08	0.72	14	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.72	
																			1104.24
0.01	< 0.001	< 0.005	2.66	0.33	< 0.0001	0.40	0.06	< 0.01	0.09	0.34	5	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.1	
																			1101.5
-	-	-	-	-	-	0.70	0.06	< 0.01	0.06	0.48	7	-	-	-	-	-	-	1105.18	
																			1104.8
																			1101.42
																			1101.72
																			-
																			1101.47
																			1101.95
																			1101.91

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	
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)	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)	
0.00	<0.001	0.05	0.63	3.08	<0.0001	0.40	0.03	<0.01	0.04	0.29	3.00	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.89	
																			1104.93
0.00	<0.001	0.02	0.48	<0.05	<0.0001	0.30	<0.01	<0.01	0.01	0.29	<1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.24	
0.00	< 0.001	0.01	0.48	2.47	< 0.0001	0.30	< 0.01	< 0.01	0.02	0.24	2	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1105.46	
0.00	< 0.001	0.01	0.55	3.02	< 0.0001	0.30	0.01	< 0.01	0.02	0.27	< 1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1104.71	
																			-
	< 0.001	0.02	0.56	3.40	< 0.0001	0.25	0.02	< 0.005	0.02	0.26	1	<0.01	<0.014	<0.014	<0.0005	<0.001	<0.07	1102.16	
	< 0.001	0.008	0.51	< 0.005	< 0.0001	0.22	0.02	< 0.005	0.02	0.19	1	<0.01	<0.014	< 0.01	<0.0005	<0.001	<0.07	1103.26	
																			1103.65

Annual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual	Biannual	Biannual	Biannual	Biannual	Annual	Annual	Annual	Annual	Annual	Annual	Biannual
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)	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)

