

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
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Date Sampled	Date Obtained	Date Published	pH (pH units)	Electrical Conductivity (μ S/cm)	Total Dissolved Solids (mg/L)	Total Alkalinity as CaCO ₃ (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
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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

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