Bogan Council
Nyngan Waste Facility
Canonba Road, Nyngan NSW
EPL 20471

NOTE: SAMPLING POINT NUMBERS AMENDED TO MATCH EPL VARIATION 07 APRIL 2020

Sampling Point 1 (MW1) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (µg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (µg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	25-Jun-19	6/11/2019	590	0.51	< 0.001	0.029	< 0.5	< 0.01	1000	18000	0.001	0.00	49000	< 0.04	< 0.5	< 10	< 0.001
26-Jun-19	21-Aug-19	6/11/2019	570						990	19000		0.01	62000				
23-Sep-19	21-Oct-19	6/11/2019	560						1100	19000		< 0.001	59000				
11-Dec-19	14-Feb-20	14/07/2020	630						1100	19000		< 0.001	52000				
25-Mar-20	7-May-20	14/07/2020	640						1000	19000		< 0.001	46000				
1-Jul-20	14-Jul-20	20/07/2020	530	<0.005	< 0.001	0.028	<0.0005	0.0009	1000	19000	<0.010	< 0.001	50000	0.014	<0.0005	0.51	<0.001
17-Sep-20	25-Sep-20	9/10/2020	626						1060	15600			51000				
27-Sep-20	7-Oct-20	16/10/2020	654						1090	19100			36800				
5-Feb-21	18-Feb-21	15/03/2021	578						1220	17900			51100			0.6	
16-Apr-21	28-Apr-21	12/05/2021	608						1050	19900			51720			0.4	
21-Jul-21	30-Jul-21	3/08/2021	586	<0.10	<0.010	0.025	<1	<0.0010	1060	16500	<0.010	<0.010	50800.00	<0.010	<2	<0.1	<0.010
21-Jun-22	30-Jun-22	4/07/2022	571	1.93	<0.010	0.037	<1	<0.0010	970	15800	<0.010	<0.010	49000	<0.010	<2	0.8	<0.010
30-Jan-23	28-Mar-23	21/06/2023	590						1000	19000			50000			0.51	
12-Apr-23	8-Jun-23	21/06/2023	590	0.006	<0.001	0.027	<0.5	0.0001	810	19000	0.001	<0.001	52000	<0.001	<0.5	0.75	<0.001

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (µg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (µg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19	1600	0.06			< 0.005	0.03	< 0.003	< 0.004	6.90		< 0.001	120	8800	16.83	5100	< 0.5	39000	13	2.10	< 0.01	< 1.5	< 0.2
26-Jun-19	1700				< 0.005	0.02	-	-	6.60		-	85	10000	16.58	5100	-	40000	4	-	-	-	-
23-Sep-19	1900		Not Required	Not Required	0.03	0.39	-	-	6.60	Not Required	-	110	11000	16.64	5100	-	36000	2	-	-	-	-
11-Dec-19	1700				0.13	< 0.1	-	-	7.00		-	52	9400	16.59	5200		43000	3	-	-	-	-
25-Mar-20	1600				< 0.005	< 0.1	-	-	7.00		-	49	9600	16.65	5100		42000	2	-	-	-	-
1-Jul-20	1600	0.03			0.02	<0.05	< 0.003	< 0.004	7.00		<0.001	45	9500	17.17	5200	<0.0005	42000	2	0.53	0.03	<0.0015	0.18
17-Sep-20	1710				0.11	<0.10			7.14	0.55		45.00	9860.00	17.11	4590		38100	4				
27-Sep-20	1690				0.14	<0.1			7.32	0.053		47	9710	17.40	4320		43200	4				
5-Feb-21	1770				0.1	<0.01			6.97	<0.10		53	9980	17.33	4540		40800	2				
16-Apr-21	1560				8.21	<0.10			7.10	0.16		47	9220	17.40	4010		37800	11				
21-Jul-21	1510	0.024	0.0001	<0.010	0.14	0.05	<0.5	<0.5	6.84	0.29	<0.5	45	8960	17.39	4890	<2	40400	4	420.00	<0.10	<2	<0.050
21-Jun-22	1680	0.16	<0.0001	<0.010	0.59	0.15	<0.5	<0.5	7.58	0.43	<0.5	42	9740	17.37	5020	<2	38100	13	<50	0.55	<2	0.10
30-Jan-23	1700				<0.005	<0.1			6.80	0.46		60	9900	16.65	5000		37000	6.2				
12-Apr-23	530	0.028	<0.0001	0.00	<0.005	<0.01	<1.0	<0.5	6.80	0.28	<1.0	57	10000	16.44	5000	<0.5	41000	1.7	<40	<0.05	<1.5	0.01

Sampling Point 2 (MW2) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	25-Jun-19	6/11/2019	310	0.39	< 0.001	0.026	< 0.5	< 0.01	690	14000	0.001	0.00	37000	< 0.04	< 0.5	< 2	< 0.001
26-Jun-19	21-Aug-19	6/11/2019	300						490	14000		0.008	50000				
23-Sep-19	21-Oct-19	6/11/2019	300						820	14000		< 0.001	44000				
11-Dec-19	14-Feb-20	14/07/2020	330						720	13000		< 0.001	39000				
25-Mar-20	7-May-20	14/07/2020	340						710	13000		0.003	35000				
1-Jul-20	14-Jul-20	20/07/2020	280	0.007	0.002	0.055	<0.0005	0.0005	740	14000	<0.010	0.01	38000	0.002	<0.0005	0.56	<0.001
17-Sep-20	25-Sep-20	9/10/2020	350						776	11900			38200				
27-Sep-20	7-Oct-20	16/10/2020	368						775	13000			28800				
5-Feb-21	18-Feb-21	15/03/2021	427						884	13600			38700			0.6	
16-Apr-21	28-Apr-21	12/05/2021	412						751	14300			38510			0.5	
21-Jul-21	30-Jul-21	3/08/2021	362	<0.10	<0.010	0.049	<1	<0.0010	782	12000	<0.010	<0.010	38800	<0.010	<2	0.5	<0.010
21-Jun-22	30-Jun-22	4/07/2022	344	15.9	<0.01	0.105	<1	<0.0010	706	12100	0.036	0.02	37300	0.024	<2	0.8	0.02
30-Jan-23	28-Mar-23	21/06/2023	Damaged at ground level could not be accessed. NO SAMPLES TAKEN														
12-Apr-23	8-Jun-23	21/06/2023	Damaged at ground level could not be accessed. NO SAMPLES TAKEN														

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19	1200	0.16			< 0.005	0.16	< 0.003	< 0.004	7.00		< 0.001	88	6400	16.56	3900	< 0.5	34000	2	<0.5	< 0.01	< 1.5	< 0.2
26-Jun-19	1300				0.16	0.03			6.80			65	7600	16.61	3500		28000	2				
23-Sep-19	1400		Not Required	Not Required	0.25	< 0.1			6.70	Not Required		80	7700	16.64	3600		27000	2				
11-Dec-19	1200				0.26	< 0.1			7.20			41	6800	16.63	3500		30000	2				
25-Mar-20	1100				0.51	0.18			7.00			39	6800	16.65	3400		32000	3				
1-Jul-20	1200	1.30			0.19	<0.05	< 0.003	< 0.004	7.00		<0.001	37	7000	17.24	3700	<0.0005	29000	2	<0.320	<0.01	<0.0015	0.08
17-Sep-20	1270				0.44	<0.10			7.42	0.57		39.00	7250.00	17.21	3500		27800	<1				
27-Sep-20	1240				0.47	0.36			7.14	0.86		37	7070	17.23	3160		29700	2				
5-Feb-21	1290				<0.01	2.16			7.10	0.34		43	7300	17.23	3240		30100	3				
16-Apr-21	1130				0.11	3.57			7.16	0.86		38	6530	17.32	2900		29100	18				
21-Jul-21	1130	1.45	0.0001	0.014	0.07	0.61	<0.5	<0.5	7.05	0.52	<0.5	42	6720	17.29	3650	<2	29100	2	<50	<0.10	<2	<0.050
21-Jun-22	1230	1.15	<0.0001	0.04	0.08	1.43	<0.5	<0.5	7.61	0.82	<0.5	34	7090	17.30	3690	<2	29000	3	<50	0.11	<2	0.08
30-Jan-23																						
12-Apr-23																						

Sampling Point 3 (MW3) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	25-Jun-19	6/11/2019	320	0.42	0.004	0.031	< 0.5	< 0.01	680	13000	0.001	0.01	37000	< 0.04	< 0.5	< 5	< 0.001
26-Jun-19	21-Aug-19	6/11/2019	320						480	14000		0.016	62000				
23-Sep-19	21-Oct-19	6/11/2019	320						710	14000		0.00	44000				
11-Dec-19	14-Feb-20	14/07/2020	360						720	14000		0.00	39000				
25-Mar-20	7-May-20	14/07/2020	320						710	13000		0.00	35000				
1-Jul-20	14-Jul-20	20/07/2020	280	<0.005	0.001	0.027	<0.0005	0.001	720	13000	<0.010	0.00	38000	0.002	<0.0005	0.53	<0.001
17-Sep-20	25-Sep-20	9/10/2020	351						734	11800			38700				
27-Sep-20	7-Oct-20	16/10/2020	354						752	12900			28000				
5-Feb-21	18-Feb-21	15/03/2021	360						874	13500			39100			0.6	
16-Apr-21	28-Apr-21	12/05/2021	335						867	14000			39200			0.5	
21-Jul-21	30-Jul-21	3/08/2021	323	<0.10	<0.010	0.021	<1	<0.0010	800	11900	<0.010	<0.010	39800	<0.010	<2	0.5	<0.010
21-Jun-22	30-Jun-22	4/07/2022	333	2.97	<0.01	0.026	<1	<0.0010	701	11600	<0.010	<0.010		<0.010	<2	0.8	<0.010
30-Jan-23	28-Mar-23	21/06/2023	340						680	13000			38000			0.53	
12-Apr-23	8-Jun-23	21/06/2023	340	0.011	0.001	0.022	<0.5	0.0001	610	14000	0.05	<0.001	39000	<0.001	<0.5	0.74	<0.001

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19	1200	0.23			0.01	1.10	< 0.003	< 0.004	6.90		< 0.001	78	6800	16.82	4200	< 0.5	29000	3	<0.5	< 0.01	< 1.5	< 0.2
26-Jun-19	1200				0.3	0.02			6.60			62	7700	16.69	4000		29000	1.7				
23-Sep-19	1400		Not Required	Not Required	0.30	< 0.1			6.60	Not Required		71	8000	16.78	4100		27000	3				
11-Dec-19	1200				0.56	< 0.1			7.10			36	7000	16.62	3800		30000	2				
25-Mar-20	1100				0.31	0.14			7.00			35	7000	16.69	3900		30000	1				
1-Jul-20	1200	0.02			0.32	<0.05	< 0.003	< 0.004	7.00		<0.001	34	7300	17.41	4200	<0.0005	29000	2	<0.320	<0.01	<0.0015	0.25
17-Sep-20	1170				0.44	0.75			7.15	0.46		34	7050	17.27	3790		26600	<1				
27-Sep-20	1210				0.46	0.17			7.13	0.64		33	7080	17.47	3430		29800	2				
5-Feb-21	1260				0.02	0.07			6.97	0.26		38	7410	17.36	3610		30900	<1				
16-Apr-21	1280				0.07	<0.10			7.08	0.94		39	7740	17.47	3330		29600	12				
21-Jul-21	1170	<0.010	0.0001	<0.010	0.02	<0.01	<0.5	<0.5	7.00	0.56	<0.5	34	7030	17.44	4170	<2	30600	2	<50	<0.10	<2	<0.050
21-Jun-22	1240	0.028	<0.0001	<0.010	0.27	<0.10	<0.5	<0.5	7.63	0.13	<0.5	30	7330	16.64	4180	<2	28900	1	<50	0.07	<2	<0.052
30-Jan-23	1200				<0.005	0.07			6.90	1.7		38	6900	16.56	4000		28000	1.9				
12-Apr-23	470	0.004	<0.0001	0.002	<0.005	0.01	<1.0	<0.5	6.90	0.72	<1.0	37	7100	16.62	3800	<0.5	27000	1.4	<40	<0.05	<1.5	0.008

Sampling Point 4 (MW4) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	25-Jun-19	6/11/2019	320	< 0.2	0.002	0.14	< 0.5	< 0.01	340	6700	0.001	0.00	20000	< 0.04	< 0.5	< 2	< 0.001
26-Jun-19	21-Aug-19	6/11/2019	280						350	9200		0.009	40000				
23-Sep-19	21-Oct-19	6/11/2019	290						620	12000		0.00	39000				
11-Dec-19	14-Feb-20	14/07/2020	310						560	11000		< 0.001	32000				
25-Mar-20	7-May-20	14/07/2020	280						620	11000		< 0.001	32000				
1-Jul-20	14-Jul-20	20/07/2020	280	<0.005	< 0.001	0.11	<0.0005	0.0015	650	12000	<0.010	< 0.001	35000	0.014	<0.0005	0.35	<0.001
17-Sep-20	25-Sep-20	9/10/2020	329						684	10900			35800				
27-Sep-20	7-Oct-20	16/10/2020	346						684	12400			26700				
5-Feb-21	18-Feb-21	15/03/2021	306						789	12500			36400			0.4	
16-Apr-21	28-Apr-21	12/05/2021	308						676	12700			36730			0.3	
21-Jul-21	30-Jul-21	3/08/2021	304	<0.10	<0.010	0.077	<1	<0.0010	685	11300	<0.010	<0.010	37000	<0.010	<2	0.4	<0.010
21-Jun-22	30-Jun-22	4/07/2022	292	<0.10	<0.01	0.09	<1	<0.0010	652	11100	<0.010	<0.010		<0.010	<2	0.6	<0.010
30-Jan-23	28-Mar-23	21/06/2023	290						640	13000			36000			0.44	
12-Apr-23	8-Jun-23	21/06/2023	300	0.006	0.001	0.06	<0.5	0.0001	570	13000	0.016	<0.001	38000	<0.001	<0.5	0.59	<0.001

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19	420	0.66			< 0.005	< 0.01	< 0.003	< 0.004	7.20		< 0.001	38	3600	16.56	1700	< 0.5	13000	13	<0.5	< 0.01	< 1.5	< 0.2
26-Jun-19	490				0.14	0.02			6.80			44	5100	16.67	2300		19000	3.8				
23-Sep-19	1100		Not Required	Not Required	0.05	< 0.1			6.70	Not Required		67	6900	16.66	3100		23000	3				
11-Dec-19	870				0.12	< 0.1			7.20			31	5700	16.60	2800		23000	6				
25-Mar-20	920				0.08	0.11			7.10			34	6400	16.77	3200		28000	6				
1-Jul-20	980	0.04			0.16	<0.05	< 0.003	< 0.004	7.20		<0.001	33	6600	16.10	3400	<0.0005	27000	3	<0.320	<0.01	<0.0015	0.19
17-Sep-20	1050				0.13	1.98			7.45	2.81		34	6880	17.14	3370		23000	2				
27-Sep-20	1020				0.36	2.18			7.05	0.3		33	6650	17.17	2990		26800	2				
5-Feb-21	1090				0.21	0.57			7.11	1.16		37	6930	17.08	3130		27500	1				
16-Apr-21	965				0.50	<0.10			7.15	0.19		34	6310	17.16	2860		26600	6				
21-Jul-21	952	0.012	0.0001	<0.010	0.51	0.02	<0.5	<0.5	7.08	0.18	<0.5	36	6420	17.13	3610	<2	29000	2	<50	<0.10	<2	0.066
21-Jun-22	1100	<0.010	<0.0001	<0.010	0.60	0.12	<0.5	<0.5	7.67	0.21	<0.5	32	7040	17.10	3630	<2	27400	2	<50	0.06	<2	0.13
30-Jan-23	1000				<0.005	0.05			6.90	0.34		39	6800	16.48	3600		25000	4.5				
12-Apr-23	460	0.008	<0.0001	0.002	<0.005	<0.01	<1.0	<0.5	6.90	0.67	<1.0	37	6800	16.42	3400	<0.5	27000	2.9	<40	<0.05	<1.5	0.01

Sampling Point 5 (MW5) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	Damaged	6/11/2019															
26-Jun-19	Damaged	6/11/2019															
23-Sep-19	Damaged	6/11/2019															
11-Dec-19	Damaged	14/07/2020															
11-Dec-19	Damaged	14/07/2020															
1-Jul-20	14-Jul-20	20/07/2020	180	0.006	< 0.001	0.1	<0.0005	0.0002	410	7200	0.076	0.01	22000	0.001	<0.0005	0.46	<0.001
17-Sep-20	25-Sep-20	9/10/2020	242						743	10500			34200				
27-Sep-20	7-Oct-20	16/10/2020	359						746	13000			26700				
5-Feb-21	18-Feb-21	15/03/2021	342						846	13100			37900			0.6	
16-Apr-21	28-Apr-21	12/05/2021	309						756	13700			37310			0.4	
21-Jul-21	30-Jul-21	3/08/2021	274	<0.10	<0.010	0.049	<1	<0.0010	786	11700	<0.010	<0.010	38200	<0.010	<2	0.4	<0.010
21-Jun-22	30-Jun-22	4/07/2022	256	<0.10	<0.01	0.054	<1	<0.0010	706	11500	<0.010	<0.010		<0.010	<2	0.8	<0.010
30-Jan-23	28-Mar-23	21/06/2023	Damaged at half depth could not be accessed. NO SAMPLES TAKEN														
12-Apr-23	8-Jun-23	21/06/2023	Damaged at half depth could not be accessed. NO SAMPLES TAKEN														

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19																						
26-Jun-19																						
23-Sep-19			Not Required	Not Required						Not Required												
11-Dec-19																						
11-Dec-19																						
1-Jul-20	540	1.70			0.07	<0.05	< 0.003	< 0.004	8.20		<0.001	81	4100	16.95	2200	<0.0005	17000	5	<0.320	<0.01	<0.0015	<0.050
17-Sep-20	861				<0.01	0.20			7.83	<0.05		54.00	6500	17.24	3280		23200	2				
27-Sep-20	1070				<0.01	0.58			7.06	0.1		45	7000	17.20	3280		23800	<1				
5-Feb-21	1080				0.04	0.04			7.19	0.15		51	7230	17.11	3440		27700	2				
16-Apr-21	890	0.407			0.05	0.30			7.36	<0.05		51	6520	17.21	3130		27800	6				
21-Jul-21	952	0.025	0.0001	<0.010	0.02	0.03	<0.5	<0.5	7.2	<0.05	<0.5	52	7000	17.21	3760	<2	28700	2	<50	<0.10	<2	0.09
21-Jun-22	1050	0.32	<0.0001	<0.010	0.41	<0.10	<0.5	<0.5	7.66	0.09	<0.5	40	7290	17.22	3820	<2	29000	1	<50	<0.25	<2	0.23
30-Jan-23														16.42								
12-Apr-23																						

Sampling Point 6 (MW6) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
21-May-19	25-Jun-19	6/11/2019	340	0.56	< 0.001	0.021	< 0.5	< 0.01	590	13000	0.002	0.00	37000	< 0.04	< 0.5	< 5	< 0.001
26-Jun-19	21-Aug-19	6/11/2019	260						420	14000		0.003	51000				
23-Sep-19	21-Oct-19	6/11/2019	250						600	14000		< 0.001	44000				
11-Dec-19	14-Feb-20	14/07/2020	280						610	13000		0.00	39000				
25-Mar-20	7-May-20	14/07/2020	250						600	13000		< 0.001	35000				
1-Jul-20	14-Jul-20	20/07/2020	290	<0.005	< 0.001	0.023	<0.0005	0.0005	610	13000	<0.010	< 0.001	38000	0.005	<0.0005	0.48	<0.001
17-Sep-20	25-Sep-20	9/10/2020	285						635	11400			37800				
30-Sep-20	9-Oct-20	16/10/2020	317						668	11800			39100				
5-Feb-21	18-Feb-21	15/03/2021	296						744	13500			38500			0.5	
16-Apr-21	28-Apr-21	12/05/2021	270						654	13800			38380			0.4	
21-Jul-21	30-Jul-21	3/08/2021	244	<0.10	<0.010	0.017	<1	<0.0010	671	11700	0.012	<0.010	38200	<0.010	<2	0.4	<0.010
21-Jun-22	30-Jun-22	4/07/2022	267	0.32	<0.010	0.02	<1	<0.0010	598	11500	0.019	<0.010	37000	<0.010	<2	0.7	<0.010
30-Jan-23	28-Mar-23	21/06/2023	260						600	13000			37000			0.49	
12-Apr-23	8-Jun-23	21/06/2023	270	0.006	0.001	0.02	<0.5	<0.0001	530	14000	0.022	<0.001	38000	<0.001	<0.5	0.67	<0.001

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
21-May-19	1000	0.07			< 0.005	0.14	< 0.003	< 0.004	7.00		< 0.001	90	6500	16.56	3700	< 0.5	30000	4	0.55	< 0.01	< 1.5	< 0.2
26-Jun-19	1100				0.28	0.016			6.60			64	7900	16.61	3600		28000	1.2				
23-Sep-19	1300		Not Required	Not Required	0.17	< 0.1			6.60	Not Required		85	8000	16.60	3800		27000	12				
11-Dec-19	1100				0.21	< 0.1			7.00			43	7100	16.37	3500		29000	2				
25-Mar-20	1000				0.14	0.12			6.90			40	7100	16.64	3500		31000	2				
1-Jul-20	1000	0.04			0.19	<0.05	< 0.003	< 0.004	7.00		<0.001	38	7100	17.19	3700	<0.0005	30000	3	2.00	0.01	<0.0015	0.16
17-Sep-20	1090				0.22	<0.10			7.20	0.13		38	7360	17.40	3520		28200	<1				
30-Sep-20	1160				0.32	<0.10			7.08	<0.05		69	7200	17.31	3420		28100	<1				
5-Feb-21	1120				0.42	0.09			6.90	<0.05		46	7300	17.33	3320		25000	<1				
16-Apr-21	1030				0.42	<0.10			7.00	<0.05		41	6900	17.41	3050		28000	6				
21-Jul-21	1040	0.025	0.0001	<0.010	1.63	0.01	<0.5	<0.5	6.73	<0.05	<0.5	44	7110	17.38	3700	<2	28800	<1	<50	<0.10	<2	0.052
21-Jun-22	1100	0.041	<0.0001	<0.010	0.28	<0.10	<0.5	<0.5	7.58	0.06	<0.5	36	7300	17.39	3750	<2	28200	<1	<50	<.25	<2	<0.052
30-Jan-23	1100				<0.005	<0.05			6.80	<0.1		45	7100	16.50	3700		27000	0.9				
12-Apr-23	460	0.010	<0.0001	0.002	<0.005	<0.01	<1.0	<0.5	6.80	0.08	<1.0	39	6800	16.19	3500	<0.5	26000	0.8	<40	<0.05	<1.5	0.02

Sampling Point 7 (MW7) — Groundwater

Date Sampled	Date Obtained	Date Published	Total Alkalinity as CaCO3 (mg/L)	Aluminium (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Benzene (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Electrical Conductivity (µS/cm)	Copper (mg/L)	Ethylbenzene (mg/L)	Fluoride (mg/L)	Lead (mg/L)
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual
MW7 Not previously included, now included since licence has been updated 07/04/2020																	

Date Sampled	Magnesium (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel	Nitrate + Nitrite (mgN/L)	Nitrogen (Ammonia) (mgN/L)	Organochlorine Pesticides (mg/L)	Organophosphorus Pesticides (mg/L)	pH (pH units)	Phosphorus	Polycyclic Aromatic Hydrocarbons (mg/L)	Potassium (mg/L)	Sodium (mg/L)	Standing Water Level (m)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)
Sampling Frequency	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
			Not Required	Not Required						Not Required												

| | | |

30-Jan-23	28-Mar-23	21/06/2023	305.1142857			-0.00818231				953.1428571	16880			43878.30965			0.772631579		1196.742857				<0.005	0.123333333			7.31	-1.4725		23.34285714	9162.571429	17.16	4961.428571		38717.14286	-3.04				-0.12
12-Apr-23	8-Jun-23	21/06/2023	305.2483516	0.006	0.001	-0.01387365	<0.6		0.0001	970.8131868	17163.95604	0.016	<0.001	44365.86013	<0.001	<0.5	0.802105263	<0.001	1212.630769	0.008	<0.0001	1.002	<0.005	<0.01	<1.1	<0.5	7.32	-1.6825	<1.1	22.6021978	9309.626374	17.18	5058.021978	<0.6	39437.8022	-3.4	<40	<0.06	<1.6	-0.14

Sampling Point 5 (MW5) Groundwater

Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual		Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**Total Alkalinity as CaCO3 (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Benzene (mg/L)**		**Cadmium (mg/L)**	**Calcium (mg/L)**	**Chloride (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Electrical Conductivity (µS/cm)**	**Copper (mg/L)**	**Ethylbenzene (mg/L)**	**Fluoride (mg/L)**	**Lead (mg/L)**	**Magnesium (mg/L)**	**Manganese (mg/L)**	**Mercury (mg/L)**	**Nickel**	**Nitrate + Nitrite (mgN/L)**	**Nitrogen (Ammonia) (mgN/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**pH (pH units)**	**Phosphorus**	**Polycyclic Aromatic Hydrocarbons (mg/L)**	**Potassium (mg/L)**	**Sodium (mg/L)**	**Standing Water Level (m)**	**Sulfate (mg/L)**	**Toluene (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Organic Carbon (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Phenolic Compounds (mg/L)**	**Xylene (mg/L)**	**Zinc (mg/L)**
21-May-19	Damaged	6/11/2019																			Not Required	Not Required						Not Required												
26-Jun-19	Damaged	6/11/2019																																						
23-Sep-19	Damaged	6/11/2019																																						
11-Dec-19	Damaged	14/07/2020																																						
11-Dec-19	Damaged	14/07/2020																																						
1-Jul-20	14-Jul-20	20/07/2020	314.8571429	0.006	< 0.002	0.039387097	<0.0006		0.0002	853.8571429	13814.28571	0.076	0.01	42871.33333	0.001	<0.0006	0.63	<0.001	1139.285714	-0.25			0.07	<0.06	< 0.003	< 0.004	7.13		<0.001	36.14285714	7961.428571	16.87	4082.857143	<0.0006	32600	-1	<0.320	<0.01	<0.0015	<0.050
17-Sep-20	25-Sep-20	9/10/2020	323.5			0.030903226				889	14385.71429			45772.19048			0.661509434		1194	-0.52			<0.01	0.04			7.04	<0.06		31.82	8322	16.83	4285		34421	-4				
27-Sep-20	7-Oct-20	16/10/2020	332.1428571			0.022419355				924.1428571	14957.14286			48673.04762			0.690943396		1248.714286	-0.79			<0.01	-0.018			6.947142857	0.2		27.5	8682.142857	16.79	4487.857143		36242.85714	<2				
5-Feb-21	18-Feb-21	15/03/2021	340.7857143			0.013935484				959.2857143	15528.57143			51573.90476			0.720377358		1303.428571				0.4	-0.08			6.855	0.25		23.17857143	9042.5	16.74	4690.357143		38064.28571	1				
16-Apr-21	28-Apr-21	12/05/2021	349.4285714			0.005451613				994.4285714	16100			54474.7619			0.749811321		1358.142857	-1.321			0.508	-0.14			6.762857143	<0.05		18.85714286	9402.857143	16.70	4892.857143		39885.71429	0.3				
21-Jul-21	30-Jul-21	3/08/2021	358.0714286	<0.10	<0.008	-0.00303226	<1		<0.0010	1029.571429	16671.42857	<0.010	<0.010	57375.61905	<0.010	<2	0.779245283	<0.010	1412.857143	-1.58707229	0.0001	<0.010	0.616	-0.20	<0.5	<0.5	6.670714286	<0.05	<0.5	14.53571429	9763.214286	16.65	5095.357143	<2	41707.14286	0	<50	<0.10	<2	0.37
21-Jun-22	30-Jun-22	4/07/2022	366.7142857	<0.10	<0.017	-0.01151613	<1		<0.0010	1064.714286	17242.85714	<0.010	<0.010		<0.010	<2	0.808679245	<0.010	1467.571429	-1.85	<0.0001	<0.010	0.724	<0.10	<0.5	<0.5	6.578571429	0.09	<0.5	10.21428571	10123.57143	16.61	5297.857143	<2	43528.57143	-1.1	<50	<0.25	<2	0.51
30-Jan-23	28-Mar-23	21/06/2023	Damaged at half depth could not be accessed. NO SAMPLES TAKEN																													16.57								
12-Apr-23	8-Jun-23	21/06/2023	Damaged at half depth could not be accessed. NO SAMPLES TAKEN																																					

Sampling Point 6 (MW6) Groundwater

Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual		Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**Total Alkalinity as CaCO3 (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Benzene (mg/L)**		**Cadmium (mg/L)**	**Calcium (mg/L)**	**Chloride (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Electrical Conductivity (µS/cm)**	**Copper (mg/L)**	**Ethylbenzene (mg/L)**	**Fluoride (mg/L)**	**Lead (mg/L)**	**Magnesium (mg/L)**	**Manganese (mg/L)**	**Mercury (mg/L)**	**Nickel**	**Nitrate + Nitrite (mgN/L)**	**Nitrogen (Ammonia) (mgN/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**pH (pH units)**	Phosphorus	**Polycyclic Aromatic Hydrocarbons (mg/L)**	**Potassium (mg/L)**	**Sodium (mg/L)**	**Standing Water Level (m)**	**Sulfate (mg/L)**	**Toluene (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Organic Carbon (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Phenolic Compounds (mg/L)**	**Xylene (mg/L)**	**Zinc (mg/L)**
21-May-19	25-Jun-19	6/11/2019	262.9120879	0.56	< 0.001	0.018924188	< 0.5		< 0.01	647.4285714	12516.48352	0.002	0.00	36011.20879	< 0.04	< 0.5	< 6	< 0.002	900.1098901	0.01	Not Required	Not Required	< 0.006	-0.11	< 0.003	< 0.004	7.05	Not Required	< 0.002	30.74725275	7005.164835	17.12	3487.692308	< 0.6	26784.61538	2	3.45	< 0.02	< 1.6	< 0.3
26-Jun-19	21-Aug-19	6/11/2019	261.0241758			0.018718412				652.5142857	12464.3956		0.003	35593.84615					881.0769231				0.779636364	-0.232			7.07			28.00879121	6979.472527	17.15	3478.813187		26600.65934	1.927619048				
23-Sep-19	21-Oct-19	6/11/2019	259.1362637			0.018512635				657.6	12412.30769		< 0.002	35176.48352					862.043956				0.84	< 0.1			7.08			25.27032967	6953.78022	17.18	3469.934066		26416.7033	1				
11-Dec-19	14-Feb-20	14/07/2020	257.2483516			0.018306859				662.6857143	12360.21978		0.00	34759.12088					843.010989				0.91	< 0.1			7.09			22.53186813	6928.087912	17.20	3461.054945		26232.74725	1				
25-Mar-20	7-May-20	14/07/2020	255.3604396			0.018101083				667.7714286	12308.13187		< 0.001	34341.75824					823.978022				0.97	0.12			7.11			19.79340659	6902.395604	17.23	3452.175824		26048.79121	1				
1-Jul-20	14-Jul-20	20/07/2020	253.4725275	<0.015	< 0.001	0.017895307	<0.0006		0.0005	672.8571429	12256.04396	<0.011	< 0.001	33924.3956	0.005	<0.0006	0.61	<0.001	804.9450549	-0.01			1.04	<0.05	< 0.003	< 0.004	7.12		<0.001	17.05494505	6876.703297	17.26	3443.296703	<0.0006	25864.83516	0	4.90	0.01	<0.0016	-0.06
17-Sep-20	25-Sep-20	9/10/2020	251.5846154			0.017689531				677.9428571	12203.95604			33507.03297			0.633190789		785.9120879	-0.01000722			1.105090909	<0.10			7.14	0.13		14.31648352	6851.010989	17.29	3434.417582		25680.87912	<1				
30-Sep-20	9-Oct-20	16/10/2020	249.6967033			0.017483755				683.0285714	12151.86813			33089.67033			0.654605263		766.8791209	-0.01394224			1.170181818	<0.10			7.15	<0.05		11.57802198	6825.318681	17.31	3425.538462		25496.92308	<1				
5-Feb-21	18-Feb-21	15/03/2021	247.8087912			0.017277978				688.1142857	12099.78022			32672.30769			0.676019737		747.8461538	-0.01787726			1.235272727	0.09			7.17	<0.05		8.83956044	6799.626374	17.34	3416.659341		25312.96703	<1				
16-Apr-21	28-Apr-21	12/05/2021	245.9208791			0.017072202				693.2	12047.69231			32254.94505			0.697434211		728.8131868	-0.02181227			1.300363636	<0.11			7.18	<0.05		6.101098901	6773.934066	17.37	3407.78022		25129.01099	6				
21-Jul-21	30-Jul-21	3/08/2021	244.032967	<0.020	<0.010	0.016866426	<1		<0.0010	698.2857143	11995.6044	0.025857143	<0.010	31837.58242	<0.010	<2	0.718848684	<0.010	709.7802198	-0.02574729	0.0001	<0.010	1.365454545	0.01	<0.5	<0.5	7.20	<0.05	<0.5	3.362637363	6748.241758	17.39	3398.901099	<2	24945.05495	<1	<50	<0.11	<2	-0.164
21-Jun-22	30-Jun-22	4/07/2022	242.1450549	-0.308	<0.010	0.01666065	<1		<0.0010	703.3714286	11943.51648	0.028928571	<0.010	31420.21978	<0.010	<2	0.740263158	<0.010	690.7472527	-0.02968231	<0.0001	<0.010	1.430545455	<0.10	<0.5	<0.5	7.21	0.06	<0.5	0.624175824	6722.549451	17.42	3390.021978	<2	24761.0989	<1	<50	<.25	<2	<0.053
30-Jan-23	28-Mar-23	21/06/2023	240.2571429			0.016454874				708.4571429	11891.42857	0.032		31002.85714			0.761677632		671.7142857	-0.03			<0.005	<0.05			7.23	<0.2		-2.11428571	6696.857143	17.45	3381.142857		24577.14286	0.7				
12-Apr-23	8-Jun-23	21/06/2023	238.3692308	-0.622	0.001	0.016249097	<0.5		<0.0001	713.5428571	11839.34066	0.035071429	<0.001	30585.49451	<0.001	<0.5	0.783092105	<0.001	652.6813187	-0.038	<0.0001	1.002	<0.005	<0.01	<1.1	<0.5	7.24	0.08	<1.1	-4.85274725	6671.164835	17.48	3372.263736	<0.6	24393.18681	0.6	<40	<0.06	<1.6	1.02

Sampling Point 7 (MW7) Groundwater

Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual		Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**Total Alkalinity as CaCO3 (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Benzene (mg/L)**		**Cadmium (mg/L)**	**Calcium (mg/L)**	**Chloride (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Electrical Conductivity (µS/cm)**	**Copper (mg/L)**	**Ethylbenzene (mg/L)**	**Fluoride (mg/L)**	**Lead (mg/L)**	**Magnesium (mg/L)**	**Manganese (mg/L)**	**Mercury (mg/L)**	**Nickel**	**Nitrate + Nitrite (mgN/L)**	**Nitrogen (Ammonia) (mgN/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**pH (pH units)**	**Phosphorus**	**Polycyclic Aromatic Hydrocarbons (mg/L)**	**Potassium (mg/L)**	**Sodium (mg/L)**	**Standing Water Level (m)**	**Sulfate (mg/L)**	**Toluene (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Organic Carbon (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Phenolic Compounds (mg/L)**	**Xylene (mg/L)**	**Zinc (mg/L)**
MW7 Not previously included, now included since licence has been updated 07/04/2021																					Not Required	Not Required						Not Required												
17-Sep-20	25-Sep-20	9/10/2020	278.5							571.2857143	12767.85714			35294.28571					570				0.644	0.633333333			7.039285714	0.444642857		38.96428571	6494.285714	16.24	3274.285714		26853.57143	<1				
30-Sep-20	9-Oct-20	16/10/2020	277.5833333							555.3214286	12919.04762			35128.57143					480.8333333				0.632285714	0.818333333			7.004404762	0.394285714		37.26190476	6476.904762	16.04	3246.071429		26798.80952	<1				
5-Feb-21	18-Feb-21	15/03/2021	276.6666667							539.3571429	13070.2381			34962.85714			0.655333333		391.6666667				0.620571429	1.003333333			6.96952381	0.343928571		35.55952381	6459.52381	15.84	3217.857143		26744.04762	0.426666667				
16-Apr-21	28-Apr-21	12/05/2021	275.75							523.3928571	13221.42857	13000		34797.14286			0.683047619		302.5				0.608857143	<0.10			6.93	0.293571429		33.85714286	6442.142857	15.64	3189.642857		26689.28571	-0.213333333				
21-Jul-21	30-Jul-21	3/08/2021	274.8333333	<0.10	<0.010	0.025571429	<1		<0.0010	507.4285714	13372.61905	<0.010	<0.010	34631.42857	<0.010	<2	0.710761905	<0.010	213.3333333	<0.011	1.0001	<0.010	0.597142857	<0.01	<0.5	<0.5	6.90	0.243214286	<0.5	32.1547619	6424.761905	15.45	3161.428571	<2	26634.52381	-1	<50	<0.10	<2	3.95
21-Jun-22	30-Jun-22	4/07/2022	273.9166667	-1.388	<0.010	0.026285714	<1		<0.0010	491.4642857	13523.80952	0.078	<0.010	34465.71429	<0.010	<2	0.73847619	<0.010	124.1666667	0.001	<0.0001	<0.010	0.585428571	<0.10	<0.5	<0.5	6.86	0.192857143	<0.5	30.45238095	6407.380952	15.25	3133.214286	<2	26579.7619	-1.493333333	<50	<0.25	<2	3.98
30-Jan-23	28-Mar-23	21/06/2023	273			0.027				475.5	13675			34300			0.766190476		35				<0.005	-0.03			6.83	0.1425		28.75	6390	15.05	3105		26525	-2.133333333				4.01
12-Apr-23	8-Jun-23	21/06/2023	272.0833333	-2.782	0.002	0.027714286	<0.5		<0.0001	459.5357143	13826.19048	0.11	<0.001	34134.28571	<0.001	<0.5	0.793904762	<0.001	-54.1666667	-0.012	<0.0001	1.002	<0.005	-0.08	<1.1	<0.5	6.80	0.092142857	<1.1	27.04761905	6372.619048	14.85	3076.785714	<0.6	26470.2381	-2.8	<40	<0.05	<1.6	4.04

Sampling Point 8 (MW8) Groundwater

Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual		Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Annual	Quarterly	Annual	Quarterly	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Quarterly	Quarterly	Annual	Quarterly	Quarterly	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**Total Alkalinity as CaCO3 (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Benzene (mg/L)**		**Cadmium (mg/L)**	**Calcium (mg/L)**	**Chloride (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Electrical Conductivity (µS/cm)**	**Copper (mg/L)**	**Ethylbenzene (mg/L)**	**Fluoride (mg/L)**	**Lead (mg/L)**	**Magnesium (mg/L)**	**Manganese (mg/L)**	**Mercury (mg/L)**	**Nickel**	**Nitrate + Nitrite (mgN/L)**	**Nitrogen (Ammonia) (mgN/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**pH (pH units)**	**Phosphorus**	**Polycyclic Aromatic Hydrocarbons (mg/L)**	**Potassium (mg/L)**	**Sodium (mg/L)**	**Standing Water Level (m)**	**Sulfate (mg/L)**	**Toluene (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Organic Carbon (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Phenolic Compounds (mg/L)**	**Xylene (mg/L)**	**Zinc (mg/L)**
21-May-19	25-Jun-19	6/11/2019	371.2967033	< 0.2	< 0.001	0.235741877	< 0.5		< 0.01	66.69230769	722.7032967	0.009	< 0.002	4651.428571	< 0.04	< 0.5	< 6	< 0.002	25.14285714	1.75	Not Required	Not Required	< 0.006	-0.15	< 0.003	< 0.004	7.25	Not Required	< 0.002	3.527472527	664.3736264	17.92	119.6923077	< 0.6	978.021978	7	<0.635	< 0.02	< 1.6	< 0.3
26-Jun-19	21-Aug-19	6/11/2019	385.821978			0.255184116				22.35604396	-287.879121		0.002	1787.428571					-64.7142857				0.533928571	-0.32			7.30			-1.37362637	143.3758242	17.95	-153.986813		-1220.24176	8.035555556				
23-Sep-19	21-Oct-19	6/11/2019	400.3472527			0.274626354				-21.9802198	-1298.46154		< 0.001	-1076.571429					-154.571429				0.54	< 0.1			7.36			-6.27472527	-377.621978	17.97	-427.665934		-3418.50549	9				
11-Dec-19	14-Feb-20	14/07/2020	414.8725275			0.294068592				-66.3164835	-2309.04396		< 0.001	-3940.571429					-244.428571				0.55	< 0.1			7.42			-11.1758242	-898.61978	18.00	-701.345055		-5616.76923	10				
25-Mar-20	7-May-20	14/07/2020	429.3978022			0.31351083				-110.652747	-3319.62637		< 0.001	-6804.571429					-334.285714				0.55	0.44			7.47			-16.0769231	-1419.61758	18.02	-975.024176		-7815.03297	11				
1-Jul-20	14-Jul-20	20/07/2020	443.9230769	<0.003	< 0.001	0.332953069	<0.0006		0.0006	-154.989011	-4330.20879	0.007	0.012	-9668.571429	0.01	<0.0006	0.35	<0.001	-424.142857	2.45			0.56	0.57	< 0.003	< 0.004	7.53		<0.001	-20.978022	-1940.61538	18.05	-1248.7033	<0.0006	-10013.2967	11	<0.950	<0.01	<0.0015	0.00
17-Sep-20	25-Sep-20	9/10/2020	458.4483516			0.352395307				-199.325275	-5340.79121			-12532.57143			0.349901316		-514	2.59			0.57	0.69			7.59	0.08		-26	-2462	18.07	-1522		-12212	12				-0.06
27-Sep-20	7-Oct-20	16/10/2020	472.9736264			0.371837545				-243.661538	-6351.37363			-15396.57143			0.349342105		-603.857143	2.73			0.57	<0.11			7.64	<0.06		-31	-2983	18.10	-1796		-14410	13.22				-0.12
5-Feb-21	18-Feb-21	15/03/2021	487.4989011			0.391279783				-287.997802	-7361.95604			-18260.57143			0.348782895		-693.714286	2.87			0.58	20.73			7.70	2.90		-36	-3504	18.12	-2070		-16608	14.08				-0.19
16-Apr-21	28-Apr-21	12/05/2021	502.0241758			0.410722022				-332.334066	-8372.53846			-21124.57143			0.348223684		-783.571429	3.01			<0.11	23.13			7.75	3.10		-41	-4025	18.15	-2343		-18806	<1.1				-0.25
21-Jul-21	30-Jul-21	3/08/2021	516.5494505	<0.007	<0.0010	0.43016426	<1		<0.00011	-376.67033	-9383.12088	<0.002	0.015553957	-23988.57143	<0.002	<2	0.347664474	<0.001	-873.428571	3.15	0.0001	0.003	0.04000	25.53	<0.5	<0.5	7.81	3.29	<0.5	-45	-4546	18.17	-2617	<2	-21005	51	<50	<0.10	<2	-0.31
21-Jun-22	30-Jun-22	4/07/2022	531.0747253	-8.218	-0.011	0.449606498	<1		0.0003	-421.006593	-10393.7033	0.323	0.016316547	-26852.57143	0.063	<2	0.347105263	0.014	-963.285714	3.29	<0.0001	0.00	0.05000	27.93	<0.5	<0.5	7.87	3.49	<0.5	-50	-5067	18.20	-2891	<2	-23203	61.14	<50	<0.10	<2	-0.37
30-Jan-23	28-Mar-23	21/06/2023	545.6			0.469048736				-465.342857	-11404.2857		0.017079137	-29716.57143			0.346546053		-1053	3.43		0.00	<0.006	30.33714286			7.92	3.680952381		-55.2857143	-5587.6	18.22	-3164.45714		-25401.1429	71.0				
12-Apr-23	8-Jun-23	21/06/2023	560.1252747	-16.442	-0.024	0.488490975	<0.5		<0.0001	-509.679121	-12414.8681	0.476	0.017841727	-32580.57143	<0.001	<0.5	0.345986842	<0.002	-1143	3.57	<0.0001	-0.001	0.034	32.73942857	<1.1	<0.5	7.98	3.87552381	<1.1	-60.1868132	-6108.5978	18.25	-3438.13626	<0.6	-27599.4066	80.8	<40	<0.05	<1.6	<0.006

Sampling Point 10 Leachate

Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Quarterly	Annual	Annual	Annual	Annual	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Date Sampled	**Date Obtained**	**Date Published**	**Total Alkalinity as CaCO3 (mg/L)**	**Aluminium (mg/L)**	**Arsenic (mg/L)**	**Barium (mg/L)**	**Benzene (mg/L)**	**BOD**	**Cadmium (mg/L)**	**Calcium (mg/L)**	**Chloride (mg/L)**	**Chromium (mg/L)**	**Cobalt (mg/L)**	**Electrical Conductivity (µS/cm)**	**Copper (mg/L)**	**Ethylbenzene (mg/L)**	**Fluoride (mg/L)**	**Lead (mg/L)**	**Magnesium (mg/L)**	**Manganese (mg/L)**	**Mercury (mg/L)**	**Nickel**	**Nitrate + Nitrite (mgN/L)**	**Nitrogen (Ammonia) (mgN/L)**	**Organochlorine Pesticides (mg/L)**	**Organophosphorus Pesticides (mg/L)**	**pH (pH units)**	**Phosphorus**	**Polynucycylic Aromatic Hydrocarbons (mg/L)**	**Potassium (mg/L)**	**Sodium (mg/L)**	**Standing Water level (Metres)**	**Sulfate (mg/L)**	**Toluene (mg/L)**	**Total Dissolved Solids (mg/L)**	**Total Organic Carbon (mg/L)**	**Total Petroleum Hydrocarbons (mg/L)**	**Total Phenolic (mg/L)**	**Xylene (mg/L)**	**Zinc (mg/L)**
21-May-19	Dry	6/11/2019						not required						required bi-annually								not required					required bi-annually	not required				not required								
26-Jun-19	Dry	6/11/2019																																						
23-Sep-19	Dry	6/11/2019																																						
11-Dec-19	Dry	14/07/2020																																						
25-Mar-20	Dry	14/07/2020																																						
1-Jul-20	Dry	20/07/2020																																						
17-Sep-20	Dry	9/10/2020																																						
19-Feb-21	5-Jul-21	15/03/2021												4744													5.83					0.720								
16-Apr-21	11-Sep-21	12/05/2021	915							154	314			6545			0.4		62.00				0.03	24.40			4.74	5.66		77.00	354.00	0.84	<11		2130	504				
21-Jul-21	Dry	3/08/2021	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
21-Jun-22	Dry	4/07/2022																							Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
30-Jan-23	Dry	21/06/2023																																						
12-Apr-23	Dry	21/06/2023	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry

Sampling Point 10 - Cell 2		Surface Gas	Methane
Sampling Frequency (where liquid is present)			Quarterly
Date Sampled		**Date Published**	% by Volume
11-Jun-21		9/07/2021	0.00
6-Aug-21		5/09/2021	0.00

Sampling Point 11 - Cell 3		Surface Gas	Methane
Sampling Frequency (where liquid is present)			Quarterly
Date Sampled		**Date Published**	% by Volume
11-Jun-21		9/07/2021	0.00
6-Aug-21		5/09/2021	0.00

Sampling Point 12 - Cell 3 (fut	Surface Gas		Methane
Sampling Frequency (where liquid is present)			Quarterly
Date Sampled		**Date Published**	% by Volume
11-Jun-21		9/07/2021	0.00
6-Aug-21		5/09/2021	0.00

Sampling Point 13 - Cell 4 (fut	Surface Gas		Methane
Sampling Frequency (where liquid is present)			Quarterly
Date Sampled		**Date Published**	% by Volume
11-Jun-21		9/07/2021	0.00
6-Aug-21		5/09/2021	0.00