

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 8 (MWB)			Groundwater																																								
Sampling Frequency (where liquid is present)			Quarterly	Annual	Annual	Annual	Annual	Annual	Quarterly	Quarterly	Annual	Annual	Quarterly	Annual	Quarterly	Annual	Quarterly	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 (mg/L)	Nitrogen (Ammonia) (mg/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 (metres)	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	310	< 0.2	< 0.001	0.019	< 0.5	< 0.01	570	12000	0.013	< 0.001	34000	< 0.04	< 0.5	< 5	< 0.001	980	0.04			< 0.005	0.19	< 0.003	< 0.004	6.60		< 0.001	88	6000	17.77	3300	< 0.5	29000	1	< 0.5	< 0.01	< 1.5	< 0.2				
26-Jun-19	21-Aug-19	6/11/2019	170						410	12000		0.002	44000					1000				0.54	0.02			6.20		63	6600	17.72	3100		24000	1									
23-Sep-19	21-Oct-19	6/11/2019	170						580	13000		< 0.001	41000					1200				0.64	< 0.1			6.20		83	7200	17.75	3100		24000	2									
11-Dec-19	14-Feb-20	14/07/2020	290						610	13000		< 0.001	37000					1100			Not Required	0.14	< 0.1			7.20		44	6500	17.89	3300		28000	1									
25-Mar-20	7-May-20	14/07/2020	250						610	12000		< 0.001	33000					1000				0.25	0.13			7.10		42	6400	17.22	3300		29000	2									
1-Jul-20	14-Jul-20	20/07/2020	180	< 0.005	< 0.001	0.026	< 0.0005	0.0006	600	12000	0.011	0.001	34000	0.01	< 0.0005	0.32	< 0.001	980	0.05			0.63	0.06	< 0.003	< 0.004	6.50	< 0.001	41	6900	17.80	3300	< 0.0005	26000	2	< 0.320	< 0.01	< 0.0015	0.46					
17-Sep-20	25-Sep-20	9/10/2020	204						604	10500			34800					1010				0.89	0.38			6.08		40	6440		3150		24300	3									
27-Sep-20	7-Oct-20	16/10/2020	214						631	12200			25400					1040				0.88	< 0.10			6.73	< 0.05	39	6510	17.63	2870		18800	1.00									
5-Feb-21	18-Feb-21	15/03/2021	248						430	7740			24900					636				0.07	17.80			6.71	3.12	32	4390	17.37	2110		15200	13.00									
16-Apr-21	28-Apr-21	12/05/2021	105						5	329			19220					8				< 0.10	0.74			6.88	0.81	9	307	17.46	153		900	< 1.0									
21-Jul-21	30-Jul-21	3/08/2021	144	< 0.01	< 0.0010	0.064	< 1	< 0.00010	352	6460	< 0.001	0.018	20800	< 0.001	< 2	0.3	< 0.001	552	1.84	0.0001	0.004	0.02000	1.04	< 0.5	< 0.5	6.74	0.20	< 0.5	26	3820	17.42	1980	< 2	14600	2	< 50	< 0.10	< 2	0.01				
Sampling Point 9			Leachate																																								
Sampling Frequency (where liquid is present)			Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Quarterly	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual	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 (mg/L)	Nitrogen (Ammonia) (mg/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 (Metres)	Sulfate (mg/L)	Toluene (mg/L)	Total Dissolved Solids (mg/L)	Total Organic Carbon (mg/L)	Total Petroleum Hydrocarbons (mg/L)	Total Phenolic Compounds (mg/L)	Xylene (mg/L)	Zinc (mg/L)			
21-May-19	Dry	6/11/2019																																									
26-Jun-19	Dry	6/11/2019																																									
23-Sep-19	Dry	6/11/2019																																									
11-Dec-19	Dry	14/07/2020						not required						required bi-annually								not required					required bi-annually																
25-Mar-20	Dry	14/07/2020																																									
1-Jul-20	Dry	20/07/2020																																									
17-Sep-20	Dry	9/10/2020												1142																													
19-Feb-21	19-Feb-21	15/03/2021												2943																													
16-Apr-21	28-Apr-21	12/05/2021	915							154	314							0.4	62.00								8.01																
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	Dry	Dry	
Sampling Point 10 - Cell 1			Surface Gas		Methane Quarterly		Sampling Point 11 - Cell 2			Surface Gas		Methane Quarterly		Sampling Point 12 - Cell 3 (But)			Surface Gas		Methane Quarterly		Sampling Point 13 - Cell 4 (But)			Surface Gas		Methane Quarterly																	
Sampling Frequency (where liquid is present)			% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume	% by Volume															
19-Feb-21	15/03/2021	0.00			19-Feb-21	0.00			19-Feb-21	0.00			15/03/2021	0.00			19-Feb-21	0.00			15/03/2021	0.00			19-Feb-21	0.00																	
16-Apr-21	12/05/2021	0.00			16-Apr-21	0.00			16-Apr-21	0.00			12/05/2021	0.00			16-Apr-21	0.00			12/05/2021	0.00			16-Apr-21	0.00																	
23-Jul-21	3/08/2021	0.00			23-Jul-21	0.00			23-Jul-21	0.00			3/08/2021	0.00			23-Jul-21	0.00			3/08/2021	0.00			23-Jul-21	0.00																	