

**TABLE 2: BLAYNEY WASTE DISPOSAL DEPOT - RESULTS OF LABORATORY ANALYSIS
AUGUST 2018**



Group	Analyte	LOR	Units	Sample ID		BH1	BH2	BH4	BH4S	BH6	BH6B	BH12
				Sample Date	Criteria							
Physical Parameters	pH (Lab)	0	No unit	7.5	6.7	6.8	6.8	6.6	6.6	6.6	6.6	6.7
	Electrical Conductivity (Lab)	2	µS/cm	830	4600	3600	2900	6000	6400	6400	2800	2800
	Biochemical Oxygen Demand (BOD5)	5	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5
Alkalinity	Total Alkalinity as CaCO3	5	mg/L	300	620	470	410	410	450	450	430	430
	Chloride	1	mg/L	80	1200	810	620	1800	1900	1900	500	500
Anions	Fluoride	0.1	mg/L	0.19	0.15	0.23	0.27	0.15	0.17	0.17	0.2	0.2
	Sulfate (SO4)	1	mg/L	19	43	260	260	210	210	210	220	220
Cations	Calcium (Ca)	0.2	mg/L	65	340	230	160	510	540	540	220	220
	Magnesium (Mg)	0.1	mg/L	42	270	210	190	340	350	350	170	170
	Potassium (K)	0.1	mg/L	1.8	2.1	1.5	0.7	0.9	0.6	0.6	1.2	1.2
Forms of Carbon	Sodium (Na)	0.5	mg/L	36	110	150	130	110	130	130	56	56
	Total Organic Carbon	0.2	mg/L	1.9	5	5.8	4.7	2.4	3	3	14	14
Nutrients	Ammonia (NH3) as N	0.01	mg/L	0.01	0.2	0.14	0.06	0.04	0.04	0.04	0.03	0.03
	Nitrate (NO3) as N	0.005	mg/L	2.9	-	8.3	7.9	-	-	-	43	43
	Nitrate (NO3) as N	0.025	mg/L	-	<0.025	-	-	<0.025	<0.025	<0.025	-	-
Trace Metals	Copper (Cu)	1	µg/L	<1	<1	<1	1	<1	<1	<1	3	3
	Iron (Fe)	5	µg/L	<5	14	<5	<5	<5	<5	<5	<5	<5
	Manganese (Mn)	1	µg/L	2	15	81	480	300	570	570	31	31
Phenolics	Mercury (Hg)	0.0001	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Total Phenolics	0.01	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

mg/L
µg/L
µS/cm
LOR
PS
Criteria

milligrams per litre
micrograms per litre
microsiemens per centimetre
limit of reporting
primary sample

Criteria adopted from *Australian and New Zealand Environment and Conservation Council (ANZECC) Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) Australian and New Zealand Guidelines for Fresh and Marine Water Quality* - 'Primary Industries: Water quality for irrigation and general water use'
and/or

NSW EPA *Environment Protection Licence 6180* 'Limit Conditions - L2.4 Water and/or Land Concentration Limits', 2013
within criteria
criteria exceeded