

**TABLE 2: BLAYNEY WASTE DISPOSAL DEPOT - RESULTS OF LABORATORY ANALYSIS
AUGUST 2017**



Group	Analyte	LOR	Units	Criteria	Sample ID	BH1	BH2	BH4	BH4S	BH6	BH6B	BH12
					Sample Date	14/08/2017	14/08/2017	14/08/2017	14/08/2017	14/08/2017	14/08/2017	14/08/2017
Physical Parameters	pH	0	No unit		PS	7	6.8	6.8	6.9	6.5	6.6	6.8
	Conductivity @ 25 C	2	µS/cm	-	PS	890	2900	3600	2900	6800	7600	2900
	Biochemical Oxygen Demand (BOD5)	5	mg/L	-	PS	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Alkalinity	Total Alkalinity as CaCO3	5	mg/L	350	PS	330	550	470	480	420	480	430
Anions	Chloride	1	mg/L	350	PS	81	620	710	520	2100	2200	500
	Fluoride	0.1	mg/L	1	PS	0.19	0.16	0.21	0.29	0.14	0.16	0.2
	Sulfate, SO4	1	mg/L	-	PS	19	53	230	300	190	170	230
Cations	Calcium, Ca	0.2	mg/L	-	PS	72	220	250	170	640	730	240
	Magnesium, Mg	0.1	mg/L	-	PS	42	180	220	200	420	440	180
	Potassium, K	0.1	mg/L	-	PS	0.9	1.6	1.5	0.9	1	1	1.6
	Sodium, Na	0.5	mg/L	230	PS	39	88	140	150	130	150	80
Forms of Carbon	Total Organic Carbon as NPOC	0.2	mg/L	-	PS	7	11	12	11	9.4	9.2	8.1
Nutrients	Ammonia Nitrogen, NH3 as N	0.01	mg/L	-	PS	0.02	0.03	0.05	0.14	0.14	0.18	0.06
	Nitrate Nitrogen, NO3-N	0.005	mg/L	-	PS	2.5	0.74	11	4.8	-	-	45
	Nitrate Nitrogen, NO3-N	0.025	mg/L	-	PS	-	-	-	-	< 0.025	-	-
	Nitrate Nitrogen, NO3-N	0.05	mg/L	-	PS	-	-	-	-	-	< 0.05	-
Trace Metals	Copper, Cu	1	µg/L	200	PS	< 1	< 1	< 1	1	< 1	2	3
	Iron, Fe	5	µg/L	200	PS	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	Manganese, Mn	1	µg/L	200	PS	1	12	100	530	310	640	44
	Mercury	0.0001	mg/L	0.002	PS	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Phenolics	Total Phenols	0.01	mg/L	-	PS	< 0.01	< 0.01	0.01	0.01	< 0.01	< 0.01	0.06

mg/L milligrams per litre

µg/L micrograms per litre

LOR limit of reporting

PS primary sample

Criteria 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*

within criteria

criteria exceeded