

# Buttonderry Waste Management Facility – Groundwater Results

July 2019

No. samples required by EPL: 22 No. samples collected: 21		Field Parameters							Inorganics				Alkalinity				Nutrients				Metals
		Depth to groundwater	Dissolved Oxygen (Field)	Electrical Conductivity (Field)	Oxygen Redox Potential (Field)	pH (Field)	Temp (Field)	Turbidity (Field)	pH (Lab)	Electrical Conductivity (Lab)	TOC	Nonpurgeable Organic Carbon	Alkalinity (total) as CaCO3	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Ammonia as N	Nitrate (as N)	Nitrite (as N)	Nitrogen (Total Oxidised)	Iron (Filtered)
Field ID	Sampling date	mBTOC	mg/L	uS/cm	mV	pH Units	oC	NTU	pH_Units	uS/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
101S (22)	17/07/2019	4.71	2.650	14727	95.40	6.05	18.5	-	6.83	18000.0	5.0		178	178	<1	<1	0.01	<0.01	<0.01	<0.01	0.49
102 S (23)	17/07/2019	4.77	2.580	9235	68.40	5.23	16.3	-	5.79	10300.0	15.0		28	28	<1	<1	<0.01	0.01	<0.01	0.01	0.41
103 D (24)	17/07/2019	2.58	3.860	5659	179.10	5.28	19.9	-	5.90	6880.0	32.0		66	66	<1	<1	0.12	<0.01	<0.01	<0.01	4.18
104S (25)	17/07/2019	1.71	3.470	2119	66.90	6.82	18.4	-	7.62	1570.0	44.0		375	375	<1	<1	<0.01	0.03	<0.01	0.03	0.34
105 S (26)	17/07/2019	1.84	0.850	1786	22.20	6.25	18.6	-	6.66	2220.0	33.0		224	224	<1	<1	0.38	0.11	<0.01	0.11	6.67
106 S (27)	18/07/2019	2.07	0.26	11011	51.70	5.67	18.7	-	6.00	11800.0	13.0		158	158	<1	<1	0.44	<0.01	<0.01	<0.01	67.00
107 S (28)	17/07/2019	3.3	2.580	1161	105.10	6.55	17.6	-	6.39	961.0	38.0		199	199	<1	<1	1.30	<0.01	<0.01	<0.01	3.39
108S (29)	18/07/2019	Well Dry																			
707 (30)	18/07/2019	7.3	1.840	10929	15.40	6.44	18.5	-	6.93	11500.0	2.0		592	592	<1	<1	<0.01	<0.01	<0.01	<0.01	0.10
110 D (31)	17/07/2019	3.06	1.830	11713	105.90	6.30	19.0	-	7.02	14500.0	12.0		346	346	<1	<1	<0.01	<0.01	<0.01	<0.01	0.12
111 S (32)	17/07/2019	3.1	3.370	12409	227.00	4.70	15.4	-	4.38	17600.0	19.0		<1	<1	<1	<1	0.10	0.01	<0.01	0.01	8.77
112 D (33)	17/07/2019	2.24	0.600	11408	188.00	4.88	19.2	-	5.13	14200.0	9.0		21	21	<1	<1	0.10	<0.01	<0.01	<0.01	11.10
113 S (34)	17/07/2019	1.56	1.170	2156	74.50	6.19	17.6	-	6.38	2740.0	23.0		142	142	<1	<1	0.37	0.02	<0.01	0.02	1.58
B (14)	17/07/2019	3.84	2.610	12360	56.90	6.19	19.1	-	6.89	15000.0	3.0		177	177	<1	<1	0.10	0.01	<0.01	0.01	6.84
BT3 (11)	18/07/2019	1.03	2.700	10669	45.90	5.69	17.0	-	6.22	11800.0	4.0		148	148	<1	<1	0.29	<0.01	<0.01	<0.01	71.30
BT4 (9)	17/07/2019	1.4	1.990	12168	41.10	5.95	18.3	-	6.57	15400.0	5.0		157	157	<1	<1	0.18	<0.01	<0.01	<0.01	31.30
BT16 (7)	17/07/2019	2.55	2.230	9419	55.10	6.67	17.1	-	7.32	12300.0	4.0		628	628	<1	<1	0.01	<0.01	<0.01	<0.01	0.53
BT17 (6)	17/07/2019	3.64	2.590	11310	50.20	6.55	16.6	-	7.22	14800.0	4.0		521	521	<1	<1	<0.01	<0.01	<0.01	<0.01	0.65
BT19 (5)	18/07/2019	0.56	0.670	10342	104.50	6.45	17.1	-	7.01	10500.0	2.0		582	582	<1	<1	0.10	<0.01	<0.01	<0.01	<0.05
BT20	18/07/2019	1.37	6.020	8226	74.60	6.55	16.9	-	7.10	8540.0	11.0		374	374	<1	<1	0.01	0.09	<0.01	0.09	0.21
TB1 (12)	17/07/2019	1.23	3.270	1380	-98.90	7.04	18.2	-	7.67	1680.0	27.0		694	694	<1	<1	4.51	<0.01	<0.01	<0.01	14.00
TB2 (13)	17/07/2019	1.26	4.310	11151	130.20	6.38	18.7	-	7.27	13900.0	3.0		269	269	<1	<1	0.16	0.03	<0.01	0.03	<0.05