

Buttonderry Waste Management Facility – Groundwater Results

April 2019

No. samples required by EPL: 22 No. samples collected: 20		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)	30/04/2019	Purged Dry – Insufficient sample volume																			
102 S (23)	30/04/2019	1.90	5.19	7620	174.9	5.34	19.3	+8000	5.92	12900	16	-	56	56	<1	<1	0.03	<0.01	0.02	0.02	0.19
103 D (24)	30/04/2019	2.47	3.33	4820	182.3	5.32	20.3	510	5.61	5950	27	-	60	60	<1	<1	0.12	<0.01	0.03	0.03	2.99
104S (25)	30/04/2019	3.20	2.35	2350	6.75	6.75	20.2	600	7.27	2180	41	-	388	388	<1	<1	0.08	<0.01	0.08	0.08	4.6
105 S (26)	30/04/2019	1.60	2.66	16470	-9.1	7.24	21.6	1820	6.88	1660	29	-	286	286	<1	<1	0.52	<0.01	0.06	0.06	4.18
106 S (27)	30/04/2019	2.00	1.02	10490	34.3	6.17	20.3	1440	6.2	11300	9	-	152	152	<1	<1	0.27	<0.01	<0.01	<0.01	37.6
107 S (28)	01/05/2019	5.88	1.89	12020	14.2	6.3	20.3	1160	6.6	1200	29	-	251	251	<1	<1	0.69	<0.05	<0.05	<0.05	0.39
108S (29)	30/04/2019	Dry																			
707 (30)	30/04/2019	8.80	3.49	12910	149.0	6.49	18.4	40	7.28	12500	<1	-	543	543	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.05
110 D (31)	30/04/2019	3.70	1.85	12540	151.7	6.32	19.7	75	6.99	13500	6	-	357	357	<1	<1	0.01	<0.10	<0.01	<0.01	0.06
111 S (32)	30/04/2019	3.40	2.60	15190	47.7	5.03	20.7	150	4.87	16000	18	-	4	4	<1	<1	0.09	<0.01	<0.01	<0.01	15
112 D (33)	30/04/2019	8.5	0.73	11720	108.7	4.55	19.2	8000+	5.16	13200	5	-	25	25	<1	<1	0.11	<0.01	0.02	0.02	10.8
113 S (34)	30/04/2019	2.58	1.23	2500	-3.2	6.51	20.7	900	6.65	2590	22	-	230	230	<1	<1	0.28	<0.01	0.14	0.14	6.26
B (14)	30/04/2019	2.77	0.99	1245	29.5	6.5	19.3	2659	6.99	13700	<1	-	183	183	<1	<1	0.21	<0.01	0.01	0.01	3.95
BT3 (11)	30/04/2019	Purged dry – Insufficient sample volume																			
BT4 (9)	30/04/2019	1.65	2.16	12190	39.2	5.92	20.2	900	6.76	14000	1	-	158	158	<1	<1	0.28	<0.01	<0.01	<0.01	32
BT16 (7)	30/04/2019	2.90	1.05	9910	81.1	6.7	17.5	100	7.27	11300	<1	-	629	629	<1	<1	0.02	<0.01	<0.01	<0.01	0.12
BT17 (6)	30/04/2019	5.63	2.79	14420	161.7	7.68	18.8	210	7.2	14000	<1	-	553	553	<1	<1	<0.01	<0.01	<0.01	<0.01	0.18
BT19 (5)	30/04/2019	4.50	2.77	10910	65.7	6.52	18.4	120	7.04	10300	6	-	360	360	<1	<1	0.11	<0.01	0.07	0.07	2.18
BT20	30/04/2019	2.10	1.37	10770	106.1	6.52	17.5	130	7.24	12200	<1	-	541	541	<1	<1	0.11	<0.01	<0.01	<0.01	<0.05
TB1 (12)	30/04/2019	0.75	1.87	1463	-107.2	6.94	21.7	451	7.72	1370	<1	-	703	703	<1	<1	4.47	<0.01	<0.01	<0.01	0.58
TB2 (13)	30/04/2019	1.20m	2.94	10830	102.3	6.48	19.1	8000+	7.27	12900	<1	-	279	279	<1	<1	0.18	<0.01	0.02	0.02	<0.05

