

Buttonderry Waste Management Facility – Groundwater Results

October 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)	16/10/2019	3.88	3.86	14977	-27	6.23	18.9	-	6.40	19000	3	-	204	204	<1	<1	0.5	0.02	<0.01	0.02	0.26
102 S (23)	16/10/2019	2.55	3.91	5450	250.0	4.78	17.2	-	5.30	6700	18	-	14	14	<1	<1	0.08	0.04	<0.01	0.04	0.06
103 D (24)	16/10/2019	2.92	2.49	5004	202	5.19	20.3	-	5.34	5530	38	-	86	86	<1	<1	0.11	<0.01	<0.01	<0.01	0.47
104S (25)	16/10/2019	2.19	1.47	1463	-19.1	7.09	19.5	-	6.77	1890	45	-	390	390	<1	<1	0.17	0.08	<0.01	0.08	0.35
105 S (26)	16/10/2019	1.58	10.9	1974	-22.8	6.69	20.0	-	6.42	2280	33	-	236	236	<1	<1	0.48	0.1	<0.01	0.1	0.52
106 S (27)	16/10/2019	2.51	1.61	4472	35.2	5.90	17.5	-	6.02	10200	11	-	230	230	<1	<1	0.35	<0.05	<0.05	<0.05	43.5
107 S (28)	17/10/2019	3.45	1.98	1064	-31	6.46	18.8	-	6.65	917	31	-	151	151	<1	<1	0.43	<0.05	<0.05	<0.05	2.14
108S (29)	16/10/2019	Well Dry																			
707 (30)	16/10/2019	0.66	6.40	12689	-18.7	6.40	18.9	-	7.34	13700	6	-	478	478	<1	<1	<0.01	<0.01	<0.01	<0.01	<0.05
110 D (31)	16/10/2019	3.40	1.03	13182	140.9	6.18	18.8	-	6.42	14600	9	-	386	386	<1	<1	0.03	<0.01	<0.01	<0.01	<0.05
111 S (32)	16/10/2019	3.70	1.40	16544	279.0	4.10	17.4	-	4.18	17900	14	-	6	6	<1	<1	0.13	<0.01	<0.01	<0.01	9.89
112 D (33)	16/10/2019	3.03	0.28	13269	234.9	4.39	19.3	-	4.48	13600	10	-	6	6	<1	<1	0.14	<0.01	<0.01	<0.01	12.4
113 S (34)	16/10/2019	2.62	0.68	2539	38.6	5.93	18.9	-	6.07	2740	24	-	152	152	<1	<1	0.41	0.04	<0.01	0.04	0.13
B (14)	16/10/2019	4.33	4.53	12003	28.9	6.20	18.3	-	6.28	15300	11	-	200	200	<1	<1	0.1	<0.05	<0.05	<0.05	12.0
BT3 (11)	17/10/2019	2.14	1.40	12764	35.1	6.00	18.1	-	6.57	14000	4	-	105	105	<1	<1	0.21	<0.01	<0.01	<0.01	25.9
BT4 (9)	17/10/2019	1.64	2.89	13927	28.2	5.92	18.5	-	6.76	15400	3	-	122	122	<1	<1	0.27	<0.01	<0.01	<0.01	31.9
BT16 (7)	16/10/2019	2.50	1.46	11393	98.1	6.47	17.3	-	6.66	12300	1	-	573	573	<1	<1	0.05	<0.01	<0.01	<0.01	<0.05
BT17 (6)	16/10/2019	2.80	2.43	13882	74.7	6.52	16.5	-	6.68	15000	2	-	591	591	<1	<1	0.02	0.03	<0.01	0.03	0.44
BT19 (5)	16/10/2019	1.35	4.27	10703	32.4	6.49	15.7	-	6.56	11600	10	-	432	432	<1	<1	0.14	0.09	<0.01	0.09	2.86
BT20	16/10/2019	1.80	1.15	12351	101.6	6.48	16.9	-	6.68	13400	51	-	616	616	<1	<1	0.12	<0.01	<0.01	<0.01	<0.05
TB1 (12)	16/10/2019	1.59	0.29	1194	-13.6	7.09	18.9	-	7.09	1500	13	-	626	626	<1	<1	0.1	<0.05	<0.05	<0.05	17.2
TB2 (13)	16/10/2019	1.78	5.62	10425	142.3	6.26	18.5	-	6.40	13400	28	-	278	278	<1	<1	3.69	<0.05	<0.05	<0.05	<0.05