
 Central Coast Council Monitoring Data – Buttoderry Landfill					
Licence Number:	5955				
Date Sampled:	7th, 8th and 14th July 2020				
Date Obtained:	3/08/2020				
Date Published:					
Sampling Point (EPA ID No.)	Pollutant Type	Pollutant	Units	Concentration/ Value	EPL Limit (Source)
B_1015 (22)	Groundwater	pH	pH Units	7.07	6.5 to 8.0 (ANZG)
B_1015 (22)	Groundwater	Conductivity	µS/cm	13679	125 to 2,200 (ANZG)
B_1015 (22)	Groundwater	Iron	mg/L	0.55	N/A
B_1015 (22)	Groundwater	Alkalinity	mg/L	<20	N/A
B_1015 (22)	Groundwater	Ammonia	mg/L	0.02	0.9 (ANZG)
B_1015 (22)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_1015 (22)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_1025 (23)	Groundwater	pH	pH Units	5.04	6.5 to 8.0 (ANZG)
B_1025 (23)	Groundwater	Conductivity	µS/cm	7659	125 to 2,200 (ANZG)
B_1025 (23)	Groundwater	Iron	mg/L	<0.05	N/A
B_1025 (23)	Groundwater	Alkalinity	mg/L	<20	N/A
B_1025 (23)	Groundwater	Ammonia	mg/L	0.02	0.9 (ANZG)
B_1025 (23)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_1025 (23)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_103D (24)	Groundwater	pH	pH Units	5.57	6.5 to 8.0 (ANZG)
B_103D (24)	Groundwater	Conductivity	µS/cm	4794	125 to 2,200 (ANZG)
B_103D (24)	Groundwater	Iron	mg/L	1.5	N/A
B_103D (24)	Groundwater	Alkalinity	mg/L	<20	N/A
B_103D (24)	Groundwater	Ammonia	mg/L	0.14	0.9 (ANZG)
B_103D (24)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_103D (24)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_104S (25)	Groundwater	pH	pH Units	6.8	6.5 to 8.0 (ANZG)
B_104S (25)	Groundwater	Conductivity	µS/cm	1654	125 to 2,200 (ANZG)
B_104S (25)	Groundwater	Iron	mg/L	1.3	N/A
B_104S (25)	Groundwater	Alkalinity	mg/L	<20	N/A
B_104S (25)	Groundwater	Ammonia	mg/L	<0.01	0.9 (ANZG)
B_104S (25)	Groundwater	Nitrate	mg/L	0.16	N/A
B_104S (25)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_107S (28)	Groundwater	pH	pH Units	6.44	6.5 to 8.0 (ANZG)
B_107S (28)	Groundwater	Conductivity	µS/cm	1080	125 to 2,200 (ANZG)
B_107S (28)	Groundwater	Iron	mg/L	4.4	N/A
B_107S (28)	Groundwater	Alkalinity	mg/L	<20	N/A
B_107S (28)	Groundwater	Ammonia	mg/L	1.8	0.9 (ANZG)
B_107S (28)	Groundwater	Nitrate	mg/L	0.33	N/A
B_107S (28)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_108S (29)	Groundwater	pH	pH Units	-	6.5 to 8.0 (ANZG)
B_108S (29)	Groundwater	Conductivity	µS/cm	-	125 to 2,200 (ANZG)
B_108S (29)	Groundwater	Iron	mg/L	-	N/A
B_108S (29)	Groundwater	Alkalinity	mg/L	-	N/A
B_108S (29)	Groundwater	Ammonia	mg/L	-	0.9 (ANZG)
B_108S (29)	Groundwater	Nitrate	mg/L	-	N/A
B_108S (29)	Groundwater	Total Organic Carbon	mg/L	-	N/A
B_111S (32)	Groundwater	pH	pH Units	4.81	6.5 to 8.0 (ANZG)
B_111S (32)	Groundwater	Conductivity	µS/cm	14011	125 to 2,200 (ANZG)
B_111S (32)	Groundwater	Iron	mg/L	4.2	N/A
B_111S (32)	Groundwater	Alkalinity	mg/L	<20	N/A
B_111S (32)	Groundwater	Ammonia	mg/L	0.38	0.9 (ANZG)
B_111S (32)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_111S (32)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_B (14)	Groundwater	pH	pH Units	6.98	6.5 to 8.0 (ANZG)
B_B (14)	Groundwater	Conductivity	µS/cm	12998	125 to 2,200 (ANZG)
B_B (14)	Groundwater	Iron	mg/L	9.4	N/A
B_B (14)	Groundwater	Alkalinity	mg/L	<20	N/A
B_B (14)	Groundwater	Ammonia	mg/L	0.08	0.9 (ANZG)
B_B (14)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_B (14)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BT17 (6)	Groundwater	pH	pH Units	6.57	6.5 to 8.0 (ANZG)
B_BT17 (6)	Groundwater	Conductivity	µS/cm	13583	125 to 2,200 (ANZG)
B_BT17 (6)	Groundwater	Iron	mg/L	0.13	N/A
B_BT17 (6)	Groundwater	Alkalinity	mg/L	<20	N/A
B_BT17 (6)	Groundwater	Ammonia	mg/L	<0.01	0.9 (ANZG)
B_BT17 (6)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_BT17 (6)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BT19 (5)	Groundwater	pH	pH Units	6.54	6.5 to 8.0 (ANZG)
B_BT19 (5)	Groundwater	Conductivity	µS/cm	12200	125 to 2,200 (ANZG)
B_BT19 (5)	Groundwater	Iron	mg/L	0.13	N/A
B_BT19 (5)	Groundwater	Alkalinity	mg/L	<20	N/A
B_BT19 (5)	Groundwater	Ammonia	mg/L	0.14	0.9 (ANZG)
B_BT19 (5)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_BT19 (5)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BT20	Groundwater	pH	pH Units	6.65	6.5 to 8.0 (ANZG)
B_BT20	Groundwater	Conductivity	µS/cm	9121	125 to 2,200 (ANZG)
B_BT20	Groundwater	Iron	mg/L	1.2	N/A
B_BT20	Groundwater	Alkalinity	mg/L	<20	N/A
B_BT20	Groundwater	Ammonia	mg/L	0.11	0.9 (ANZG)
B_BT20	Groundwater	Nitrate	mg/L	0.09	N/A
B_BT20	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_TB1 (12)	Groundwater	pH	pH Units	7.07	6.5 to 8.0 (ANZG)
B_TB1 (12)	Groundwater	Conductivity	µS/cm	2175	125 to 2,200 (ANZG)
B_TB1 (12)	Groundwater	Iron	mg/L	1.2	N/A
B_TB1 (12)	Groundwater	Alkalinity	mg/L	<20	N/A
B_TB1 (12)	Groundwater	Ammonia	mg/L	5.4	0.9 (ANZG)
B_TB1 (12)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_TB1 (12)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_TB2 (13)	Groundwater	pH	pH Units	6.31	6.5 to 8.0 (ANZG)
B_TB2 (13)	Groundwater	Conductivity	µS/cm	11737	125 to 2,200 (ANZG)
B_TB2 (13)	Groundwater	Iron	mg/L	<0.05	N/A
B_TB2 (13)	Groundwater	Alkalinity	mg/L	<20	N/A
B_TB2 (13)	Groundwater	Ammonia	mg/L	0.17	0.9 (ANZG)
B_TB2 (13)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_TB2 (13)	Groundwater	Total Organic Carbon	mg/L	<10	N/A

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B_105S (26)	Groundwater	pH	pH Units	6.45	6.5 to 8.0 (ANZG)
B_105S (26)	Groundwater	Conductivity	µS/cm	2102	125 to 2,200 (ANZG)
B_105S (26)	Groundwater	Iron	mg/L	2.5	N/A
B_105S (26)	Groundwater	Alkalinity	mg/L	<20	N/A
B_105S (26)	Groundwater	Ammonia	mg/L	0.31	0.9 (ANZG)
B_105S (26)	Groundwater	Nitrate	mg/L	0.37	N/A
B_105S (26)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_106S (27)	Groundwater	pH	pH Units	5.92	6.5 to 8.0 (ANZG)
B_106S (27)	Groundwater	Conductivity	µS/cm	10421	125 to 2,200 (ANZG)
B_106S (27)	Groundwater	Iron	mg/L	48	N/A
B_106S (27)	Groundwater	Alkalinity	mg/L	<20	N/A
B_106S (27)	Groundwater	Ammonia	mg/L	0.68	0.9 (ANZG)
B_106S (27)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_106S (27)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_110D (31)	Groundwater	pH	pH Units	6.34	6.5 to 8.0 (ANZG)
B_110D (31)	Groundwater	Conductivity	µS/cm	13337	125 to 2,200 (ANZG)
B_110D (31)	Groundwater	Iron	mg/L	<0.05	N/A
B_110D (31)	Groundwater	Alkalinity	mg/L	<20	N/A
B_110D (31)	Groundwater	Ammonia	mg/L	0.01	0.9 (ANZG)
B_110D (31)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_110D (31)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_112D (33)	Groundwater	pH	pH Units	4.75	6.5 to 8.0 (ANZG)
B_112D (33)	Groundwater	Conductivity	µS/cm	11581	125 to 2,200 (ANZG)
B_112D (33)	Groundwater	Iron	mg/L	11	N/A
B_112D (33)	Groundwater	Alkalinity	mg/L	<20	N/A
B_112D (33)	Groundwater	Ammonia	mg/L	0.15	0.9 (ANZG)
B_112D (33)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_112D (33)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_113S (34)	Groundwater	pH	pH Units	6.67	6.5 to 8.0 (ANZG)
B_113S (34)	Groundwater	Conductivity	µS/cm	1726	125 to 2,200 (ANZG)
B_113S (34)	Groundwater	Iron	mg/L	2.4	N/A
B_113S (34)	Groundwater	Alkalinity	mg/L	<20	N/A
B_113S (34)	Groundwater	Ammonia	mg/L	0.31	0.9 (ANZG)
B_113S (34)	Groundwater	Nitrate	mg/L	0.07	N/A
B_113S (34)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_707 (30)	Groundwater	pH	pH Units	6.54	6.5 to 8.0 (ANZG)
B_707 (30)	Groundwater	Conductivity	µS/cm	12404	125 to 2,200 (ANZG)
B_707 (30)	Groundwater	Iron	mg/L	<0.05	N/A
B_707 (30)	Groundwater	Alkalinity	mg/L	<20	N/A
B_707 (30)	Groundwater	Ammonia	mg/L	<0.01	0.9 (ANZG)
B_707 (30)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_707 (30)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BT16 (7)	Groundwater	pH	pH Units	6.63	6.5 to 8.0 (ANZG)
B_BT16 (7)	Groundwater	Conductivity	µS/cm	11322	125 to 2,200 (ANZG)
B_BT16 (7)	Groundwater	Iron	mg/L	-	N/A
B_BT16 (7)	Groundwater	Alkalinity	mg/L	-	N/A
B_BT16 (7)	Groundwater	Ammonia	mg/L	-	0.9 (ANZG)
B_BT16 (7)	Groundwater	Nitrate	mg/L	-	N/A
B_BT16 (7)	Groundwater	Total Organic Carbon	mg/L	-	N/A
B_BT3 (11)	Groundwater	pH	pH Units	5.98	6.5 to 8.0 (ANZG)
B_BT3 (11)	Groundwater	Conductivity	µS/cm	13143	125 to 2,200 (ANZG)
B_BT3 (11)	Groundwater	Iron	mg/L	36	N/A
B_BT3 (11)	Groundwater	Alkalinity	mg/L	<20	N/A
B_BT3 (11)	Groundwater	Ammonia	mg/L	0.34	0.9 (ANZG)
B_BT3 (11)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_BT3 (11)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BT4 (13)	Groundwater	pH	pH Units	5.93	6.5 to 8.0 (ANZG)
B_BT4 (13)	Groundwater	Conductivity	µS/cm	13172	125 to 2,200 (ANZG)
B_BT4 (13)	Groundwater	Iron	mg/L	33	N/A
B_BT4 (13)	Groundwater	Alkalinity	mg/L	<20	N/A
B_BT4 (13)	Groundwater	Ammonia	mg/L	0.38	0.9 (ANZG)
B_BT4 (13)	Groundwater	Nitrate	mg/L	<0.02	N/A
B_BT4 (13)	Groundwater	Total Organic Carbon	mg/L	<10	N/A
B_BTD (3)	Surface Water	pH	pH Units	6.63	6.5 to 8.0 (ANZG)
B_BTD (3)	Surface Water	Conductivity	µS/cm	1129	125 to 2,200 (ANZG)
B_BTD (3)	Surface Water	Iron	mg/L	0.6	N/A
B_BTD (3)	Surface Water	Alkalinity	mg/L	<20	N/A
B_BTD (3)	Surface Water	Ammonia	mg/L	<0.01	0.9 (ANZG)
B_BTD (3)	Surface Water	Nitrate	mg/L	0.18	N/A
B_BTD (3)	Surface Water	Total Organic Carbon	mg/L	<10	N/A
B_BTM (2)	Surface Water	pH	pH Units	7.4	6.5 to 8.0 (ANZG)
B_BTM (2)	Surface Water	Conductivity	µS/cm	2156	125 to 2,200 (ANZG)
B_BTM (2)	Surface Water	Iron	mg/L	0.51	N/A
B_BTM (2)	Surface Water	Alkalinity	mg/L	<20	N/A
B_BTM (2)	Surface Water	Ammonia	mg/L	0.25	0.9 (ANZG)
B_BTM (2)	Surface Water	Nitrate	mg/L	0.06	N/A
B_BTM (2)	Surface Water	Total Organic Carbon	mg/L	<10	N/A
B_BTU (1)	Surface Water	pH	pH Units	7	6.5 to 8.0 (ANZG)
B_BTU (1)	Surface Water	Conductivity	µS/cm	1054	125 to 2,200 (ANZG)
B_BTU (1)	Surface Water	Iron	mg/L	4.3	N/A
B_BTU (1)	Surface Water	Alkalinity	mg/L	<20	N/A
B_BTU (1)	Surface Water	Ammonia	mg/L	0.95	0.9 (ANZG)
B_BTU (1)	Surface Water	Nitrate	mg/L	0.05	N/A
B_BTU (1)	Surface Water	Total Organic Carbon	mg/L	<10	N/A

NOTES:
I.S - denotes insufficient sample to collect water quality parameters