

Central Coast Council Monitoring Data – Kincumber Landfill					
Licence Number:	6052				
Date Sampled:	10/07/2020				
Date Obtained:	3/08/2020				
Date Published:					
Sampling Point (EPA ID No.)	Pollutant Type	Pollutant	Units	Concentration/ Value	EPL Limit (Source)
ST01 (4)	Surface water	pH	pH Units	7.53	6.5 to 8.0 (ANZG)
ST01 (4)	Surface water	Conductivity	µS/cm	329.7	125 to 2,200 (ANZG)
ST01 (4)	Surface water	TSS	mg/L	6.9	N/A
ST01 (4)	Surface water	Ammonia as N	mg/L	1.7	0.9 (ANZG)
ST01 (4)	Surface water	TOC	mg/L	13	N/A
ST01 (4)	Surface water	BOD5	mg/L	<5	N/A
ST02 (3)	Surface water	pH	pH Units	7	6.5 to 8.0 (ANZG)
ST02 (3)	Surface water	Conductivity	µS/cm	423.5	125 to 2,200 (ANZG)
ST02 (3)	Surface water	TSS	mg/L	20	N/A
ST02 (3)	Surface water	Ammonia as N	mg/L	0.05	0.9 (ANZG)
ST02 (3)	Surface water	TOC	mg/L	0.05	N/A
ST02 (3)	Surface water	BOD5	mg/L	<5	N/A
SW01 (1)	Surface water	pH	pH Units	7	6.5 to 8.0 (ANZG)
SW01 (1)	Surface water	Conductivity	µS/cm	516.3	125 to 2,200 (ANZG)
SW01 (1)	Surface water	TSS	mg/L	41	N/A
SW01 (1)	Surface water	Ammonia as N	mg/L	0.04	0.9 (ANZG)
SW01 (1)	Surface water	TOC	mg/L	0.04	N/A
SW01 (1)	Surface water	BOD5	mg/L	<5	N/A
SW02 (2)	Surface water	pH	pH Units	6.31	6.5 to 8.0 (ANZG)
SW02 (2)	Surface water	Conductivity	µS/cm	242.1	125 to 2,200 (ANZG)
SW02 (2)	Surface water	TSS	mg/L	15	N/A
SW02 (2)	Surface water	Ammonia as N	mg/L	0.1	0.9 (ANZG)
SW02 (2)	Surface water	TOC	mg/L	0.1	N/A
SW02 (2)	Surface water	BOD5	mg/L	<5	N/A
GMW15 (30)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW1D (32)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW2S (33)	Sub Surface Landfill Gas	Methane	%v/v	-	1.25 (NSW EPA)
GMW2D (34)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW3S (35)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW3D (36)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW4S (37)	Sub Surface Landfill Gas	Methane	%v/v	-	1.25 (NSW EPA)
GMW4D (38)	Sub Surface Landfill Gas	Methane	%v/v	-	1.25 (NSW EPA)
GMW5S (39)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW5D (40)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW6S (41)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW7S (42)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW7D (43)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW8S (44)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW8D (45)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW9S (46)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW9D (47)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW10D (48)	Sub Surface Landfill Gas	Methane	%v/v	0.0	1.25 (NSW EPA)
GMW11S (49)	Sub Surface Landfill Gas	Methane	%v/v	0.1	1.25 (NSW EPA)
GMW11D (50)	Sub Surface Landfill Gas	Methane	%v/v	0.2	1.25 (NSW EPA)
Traverse 1 (14)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 2 (15)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 3 (16)	Surface Gas	Methane	ppm	1500*	500 (NSW EPA)
Traverse 4 (17)	Surface Gas	Methane	ppm	450*	500 (NSW EPA)
Traverse 5 (18)	Surface Gas	Methane	ppm	650*	500 (NSW EPA)
Traverse 6 (19)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 7 (20)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 8 (21)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 9 (22)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Traverse 10 (23)	Surface Gas	Methane	ppm	<5*	500 (NSW EPA)
Weighbridge & Office (25)	Landfill Gas Accumulation	Methane	%v/v	0	1.25 (NSW EPA)
Toilet (26)	Landfill Gas Accumulation	Methane	%v/v	0	1.25 (NSW EPA)
Office (27)	Landfill Gas Accumulation	Methane	%v/v	0	1.25 (NSW EPA)
Maintenance Shed (28)	Landfill Gas Accumulation	Methane	%v/v	0	1.25 (NSW EPA)

* denotes maximum concentration recorded.
NT denotes not tested

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Sampling Point (EPA ID No.)	Pollutant Type	Pollutant	Units	Concentration/ Value	EPL Limit (Source)
MW4 (5)	Groundwater	Standing Water Level	mBTCOC	4.23	N/A
MW4 (5)	Groundwater	pH	pH Units	7.08	6.5 to 8.0 (ANZG)
MW4 (5)	Groundwater	Conductivity	µS/cm	840	125 to 2,200 (ANZG)
MW4 (5)	Groundwater	Methane	%v/v	0.0	1.25 (NSW EPA)
MW4 (5)	Groundwater	TDS	mg/L	580	N/A
MW4 (5)	Groundwater	Alkalinity	mg/L	460	N/A
MW4 (5)	Groundwater	Sulfate	mg/L	55	N/A
MW4 (5)	Groundwater	Chloride	mg/L	38	N/A
MW4 (5)	Groundwater	Calcium	mg/L	140	N/A
MW4 (5)	Groundwater	Magnesium	mg/L	12	N/A
MW4 (5)	Groundwater	Sodium	mg/L	39	N/A
MW4 (5)	Groundwater	Potassium	mg/L	<5	N/A
MW4 (5)	Groundwater	Ammonia	mg/L	<0.01	0.9 (ANZG)
MW5 (6)	Groundwater	Standing Water Level	mBTCOC	2.39	N/A
MW5 (6)	Groundwater	pH	pH Units	6.25	6.5 to 8.0 (ANZG)
MW5 (6)	Groundwater	Conductivity	µS/cm	613	125 to 2,200 (ANZG)
MW5 (6)	Groundwater	Methane	%v/v	0.0	1.25 (NSW EPA)
MW5 (6)	Groundwater	TDS	mg/L	230	N/A
MW5 (6)	Groundwater	Alkalinity	mg/L	190	N/A
MW5 (6)	Groundwater	Sulfate	mg/L	7.4	N/A
MW5 (6)	Groundwater	Chloride	mg/L	23	N/A
MW5 (6)	Groundwater	Calcium	mg/L	29	N/A
MW5 (6)	Groundwater	Magnesium	mg/L	13	N/A
MW5 (6)	Groundwater	Sodium	mg/L	27	N/A
MW5 (6)	Groundwater	Potassium	mg/L	<5	N/A
MW5 (6)	Groundwater	Ammonia	mg/L	0.02	0.9 (ANZG)
MW6 (7)	Groundwater	Standing Water Level	mBTCOC	10.15	N/A
MW6 (7)	Groundwater	pH	pH Units	5.39	6.5 to 8.0 (ANZG)
MW6 (7)	Groundwater	Conductivity	µS/cm	755	125 to 2,200 (ANZG)
MW6 (7)	Groundwater	Methane	%v/v	0.1	1.25 (NSW EPA)
MW6 (7)	Groundwater	TDS	mg/L	450	N/A
MW6 (7)	Groundwater	Alkalinity	mg/L	<20	N/A
MW6 (7)	Groundwater	Sulfate	mg/L	60	N/A
MW6 (7)	Groundwater	Chloride	mg/L	180	N/A
MW6 (7)	Groundwater	Calcium	mg/L	<5	N/A
MW6 (7)	Groundwater	Magnesium	mg/L	11	N/A
MW6 (7)	Groundwater	Sodium	mg/L	130	N/A
MW6 (7)	Groundwater	Potassium	mg/L	<5	N/A
MW6 (7)	Groundwater	Ammonia	mg/L	0.04	0.9 (ANZG)
MW7 (8)	Groundwater	Standing Water Level	mBTCOC	5.36	N/A
MW7 (8)	Groundwater	pH	pH Units	4.05	6.5 to 8.0 (ANZG)
MW7 (8)	Groundwater	Conductivity	µS/cm	1921	125 to 2,200 (ANZG)
MW7 (8)	Groundwater	Methane	%v/v	0.0	1.25 (NSW EPA)
MW7 (8)	Groundwater	TDS	mg/L	1000	N/A
MW7 (8)	Groundwater	Alkalinity	mg/L	<20	N/A
MW7 (8)	Groundwater	Sulfate	mg/L	58	N/A
MW7 (8)	Groundwater	Chloride	mg/L	520	N/A
MW7 (8)	Groundwater	Calcium	mg/L	<5	N/A
MW7 (8)	Groundwater	Magnesium	mg/L	30	N/A
MW7 (8)	Groundwater	Sodium	mg/L	220	N/A
MW7 (8)	Groundwater	Potassium	mg/L	<5	N/A
MW7 (8)	Groundwater	Ammonia	mg/L	0.26	0.9 (ANZG)
MW7 (8)	Groundwater	Ammonia	mg/L	230	N/A