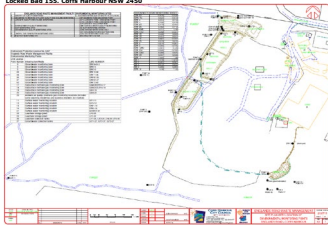


Englands Road Waste Management Facility Monitoring

Environment Protection Licence No. 6267 - Englands Road Waste Management Facility
 Link to Licence on EPA Website:
<http://www.epa.nsw.gov.au/autobrowser/ViewPOECLicense.aspx?POECLID=6267&YBLID=6267>
 Coffs Harbour City Council
 Locked Box 155, Coffs Harbour NSW 2450



M2.5 - Air Monitoring Requirements

Frequency: Monthly
 Locations: Surface of the Landfill
 Pollutant: Methane
 As stated within the waste submission
 0.001 litres per million tonnage

Date	Location	EPA Identification Number	Measurement	Notes
24/10/2024	Location 1	Point 19	0	0
24/10/2024	Location 2	Point 20	0	0
24/10/2024	Location 3	Point 21	0	0
24/10/2024	Location 4	Point 22	0	0
24/10/2024	Location 5	Point 23	0	0
24/10/2024	Location 6	Point 24	0	0
24/10/2024	Location 7	Point 25	0	0
24/10/2024	Location 8	Point 26	0	0
24/10/2024	Location 9	Point 27	0	0
24/10/2024	Location 10	Point 28	0	0
24/10/2024	Location 11	Point 29	0	0
24/10/2024	Location 12	Point 30	0	0
24/10/2024	Location 13	Point 31	0	0
24/10/2024	Location 14	Point 32	0	0
24/10/2024	Location 15	Point 33	0	0
24/10/2024	Location 16	Point 34	0	0
24/10/2024	Location 17	Point 35	0	0
24/10/2024	Location 18	Point 36	0	0
24/10/2024	Location 19	Point 37	0	0
24/10/2024	Location 20	Point 38	0	0
24/10/2024	Location 21	Point 39	0	0
24/10/2024	Location 22	Point 40	0	0
24/10/2024	Location 23	Point 41	0	0
24/10/2024	Location 24	Point 42	0	0
24/10/2024	Location 25	Point 43	0	0
24/10/2024	Location 26	Point 44	0	0
24/10/2024	Location 27	Point 45	0	0
24/10/2024	Location 28	Point 46	0	0
24/10/2024	Location 29	Point 47	0	0
24/10/2024	Location 30	Point 48	0	0
24/10/2024	Location 31	Point 49	0	0
24/10/2024	Location 32	Point 50	0	0
24/10/2024	Location 33	Point 51	0	0
24/10/2024	Location 34	Point 52	0	0
24/10/2024	Location 35	Point 53	0	0
24/10/2024	Location 36	Point 54	0	0
24/10/2024	Location 37	Point 55	0	0
24/10/2024	Location 38	Point 56	0	0
24/10/2024	Location 39	Point 57	0	0
24/10/2024	Location 40	Point 58	0	0
24/10/2024	Location 41	Point 59	0	0
24/10/2024	Location 42	Point 60	0	0
24/10/2024	Location 43	Point 61	0	0
24/10/2024	Location 44	Point 62	0	0
24/10/2024	Location 45	Point 63	0	0
24/10/2024	Location 46	Point 64	0	0
24/10/2024	Location 47	Point 65	0	0
24/10/2024	Location 48	Point 66	0	0
24/10/2024	Location 49	Point 67	0	0
24/10/2024	Location 50	Point 68	0	0
24/10/2024	Location 51	Point 69	0	0
24/10/2024	Location 52	Point 70	0	0
24/10/2024	Location 53	Point 71	0	0
24/10/2024	Location 54	Point 72	0	0
24/10/2024	Location 55	Point 73	0	0
24/10/2024	Location 56	Point 74	0	0
24/10/2024	Location 57	Point 75	0	0
24/10/2024	Location 58	Point 76	0	0
24/10/2024	Location 59	Point 77	0	0
24/10/2024	Location 60	Point 78	0	0
24/10/2024	Location 61	Point 79	0	0
24/10/2024	Location 62	Point 80	0	0
24/10/2024	Location 63	Point 81	0	0
24/10/2024	Location 64	Point 82	0	0
24/10/2024	Location 65	Point 83	0	0
24/10/2024	Location 66	Point 84	0	0
24/10/2024	Location 67	Point 85	0	0
24/10/2024	Location 68	Point 86	0	0
24/10/2024	Location 69	Point 87	0	0
24/10/2024	Location 70	Point 88	0	0
24/10/2024	Location 71	Point 89	0	0
24/10/2024	Location 72	Point 90	0	0
24/10/2024	Location 73	Point 91	0	0
24/10/2024	Location 74	Point 92	0	0
24/10/2024	Location 75	Point 93	0	0
24/10/2024	Location 76	Point 94	0	0
24/10/2024	Location 77	Point 95	0	0
24/10/2024	Location 78	Point 96	0	0
24/10/2024	Location 79	Point 97	0	0
24/10/2024	Location 80	Point 98	0	0
24/10/2024	Location 81	Point 99	0	0
24/10/2024	Location 82	Point 100	0	0
24/10/2024	Location 83	Point 101	0	0
24/10/2024	Location 84	Point 102	0	0
24/10/2024	Location 85	Point 103	0	0
24/10/2024	Location 86	Point 104	0	0
24/10/2024	Location 87	Point 105	0	0
24/10/2024	Location 88	Point 106	0	0
24/10/2024	Location 89	Point 107	0	0
24/10/2024	Location 90	Point 108	0	0
24/10/2024	Location 91	Point 109	0	0
24/10/2024	Location 92	Point 110	0	0
24/10/2024	Location 93	Point 111	0	0
24/10/2024	Location 94	Point 112	0	0
24/10/2024	Location 95	Point 113	0	0
24/10/2024	Location 96	Point 114	0	0
24/10/2024	Location 97	Point 115	0	0
24/10/2024	Location 98	Point 116	0	0
24/10/2024	Location 99	Point 117	0	0
24/10/2024	Location 100	Point 118	0	0
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24/10/2024	Location 103	Point 121	0	0
24/10/2024	Location 104	Point 122	0	0
24/10/2024	Location 105	Point 123	0	0
24/10/2024	Location 106	Point 124	0	0
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24/10/2024	Location 108	Point 126	0	0
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24/10/2024	Location 114	Point 132	0	0
24/10/2024	Location 115	Point 133	0	0
24/10/2024	Location 116	Point 134	0	0
24/10/2024	Location 117	Point 135	0	0
24/10/2024	Location 118	Point 136	0	0
24/10/2024	Location 119	Point 137	0	0
24/10/2024	Location 120	Point 138	0	0
24/10/2024	Location 121	Point 139	0	0
24/10/2024	Location 122	Point 140	0	0
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24/10/2024	Location 125	Point 143	0	0
24/10/2024	Location 126	Point 144	0	0
24/10/2024	Location 127	Point 145	0	0
24/10/2024	Location 128	Point 146	0	0
24/10/2024	Location 129	Point 147	0	0
24/10/2024	Location 130	Point 148	0	0
24/10/2024	Location 131	Point 149	0	0
24/10/2024	Location 132	Point 150	0	0
24/10/2024	Location 133	Point 151	0	0
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24/10/2024	Location 135	Point 153	0	0
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24/10/2024	Location 137	Point 155	0	0
24/10/2024	Location 138	Point 156	0	0
24/10/2024	Location 139	Point 157	0	0
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24/10/2024	Location 156	Point 174	0	0
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24/10/2024	Location 159	Point 177	0	0
24/10/2024	Location 160	Point 178	0	0
24/10/2024	Location 161	Point 179	0	0
24/10/2024	Location 162	Point 180	0	0
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24/10/2024	Location 165	Point 183	0	0
24/10/2024	Location 166	Point 184	0	0
24/10/2024	Location 167	Point 185	0	0
24/10/2024	Location 168	Point 186	0	0
24/10/2024	Location 169	Point 187	0	0
24/10/2024	Location 170	Point 188	0	0
24/10/2024	Location 171	Point 189	0	0
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24/10/2024	Location 174	Point 192	0	0
24/10/2024	Location 175	Point 193	0	0
24/10/2024	Location 176	Point 194	0	0
24/10/2024	Location 177	Point 195	0	0
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24/10/2024	Location 179	Point 197	0	0
24/10/2024	Location 180	Point 198	0	0
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24/10/2024	Location 183	Point 201	0	0
24/10/2024	Location 184	Point 202	0	0
24/10/2024	Location 185	Point 203	0	0
24/10/2024	Location 186	Point 204	0	0
24/10/2024	Location 187	Point 205	0	0
24/10/2024	Location 188	Point 206	0	0
24/10/2024	Location 189	Point 207	0	0
24/10/2024	Location 190	Point 208	0	0
24/10/2024	Location 191	Point 209	0	0
24/10/2024	Location 192	Point 210	0	0
24/10/2024	Location 193	Point 211	0	0
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24/10/2024	Location 228	Point 246	0	0
24/10/2024	Location 229	Point 247	0	0
24/10/2024	Location 230	Point 248	0	0
24/10/2024	Location 231	Point 249	0	0
24/10/2024	Location 232	Point 250	0	0
24/10/				

Point 22 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1142.9	136.7	20	44.94	256.004	0.02	147.8	6.1	138.108	458.91	14.064	258.2
30/09/2024	107.9	161.12	15	41.463	236.246	1.0	14.89	6.3	125.109	356.51	11.076	17.87

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 22: Leachate pond 2 marked on site plan
 Point 23: Leachate pond 2 marked on site plan
 Point 26: All leachate collection tanks (LIT)

Point 23 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1425.8	200.3	17	89.835	542.493	0.41	222.15	6.1	153.983	453.71	20.101	254.2
30/09/2024	105.3	155.46	12	40.855	236.264	0.4	114.36	6.0	125.109	356.51	11.076	17.87

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 22: Leachate pond 2 marked on site plan
 Point 23: Leachate pond 2 marked on site plan
 Point 26: All leachate collection tanks (LIT)

Point 26 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1301.4	118.18	22	47.918	151.213	2.33	222.15	7.5	119.277	352.49	20.142	179.71
30/09/2024	1116.8	154.40	12	40.852	130.402	0.75	100.31	7.2	101.001	324.82	17.458	166.81

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 26: All leachate collection tanks (LIT)

Point 26 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1074.8	107.88	20	40.864	141.36	2.35	100.39	6.1	100.39	300.89	170.248	155.17
30/09/2024	1174.6	172.80	15	158.559	143.282	10.49	252.50	7.1	138.416	458.68	230.220	240.44

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 26: All leachate collection tanks (LIT)

Point 26 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1020.8	106.13	20	40.868	130.208	0.65	100.43	6.1	100.43	300.71	8.41	153.33
30/09/2024	1395.1	118.70	25	171.827	175.6379	3.25	223.81	7.0	110.078	272.21	230.4604	220.41

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 27: Leachate pond 2 marked on site plan
 Point 23: Leachate pond 1 marked on site plan
 Point 26: All leachate collection tanks (LIT)

Point 27 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1190.7	109.18	21	106.136	106.2439	0.28	113.42	6.4	100.244	307.69	14.033	171.21
30/09/2024	1142.1	188.30	19	170.075	165.6542	1.64	170.41	7.1	86.87	356.82	148.869	170.04

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 27: All groundwater collection tanks (GIT)

Point 27 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1003.3	103.3	15	60.666	124.6176	1.26	14.39	6.1	110.79	44.39	141.523	111.6
30/09/2024	1093.1	16.54	15	80.021	152.2044	4.11	21.14	7.2	10.403	118.57	15.6871	19.44

M2.3 - Water and/or Land Monitoring Requirements

Frequency: 6 Monthly
 Point 27: All groundwater collection tanks (GIT)

Point 27 Date	Alkalinity (Calcium Carbonate) mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Nitrogen (total) mg/L	pH	Potassium mg/L	Sodium mg/L	Sulphate mg/L	Total Kjeldahl Nitrogen mg/L
14/04/2024	1113.8	126	15	100.202	100.202	1.02	100.202	6.2	100.202	100.202	100.202	100.202
30/09/2024	1187.1	107.7	14	10.202	134.355	0.52	10.202	6.5	100.202	100.202	22.912	10.202

M2.3 - Water and/or Land Monitoring Requirements

Point 34 Date	Nitrate mg/L
14/04/2024	0.30
11/10/2024	0.30