

## B Monitoring and Complaints Summary

### B1 Number of Pollution Complaints

<p>Number of complaints recorded by the licensee during the reporting period.</p> <p><b>If no complaints were received enter nil in the attached box, otherwise complete the table below.</b></p>	
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Pollution Complaint Category	Number of Complaints
Air	
Water	
Noise	
Waste	
Other	

### B2 Concentration Monitoring Summary

For each monitoring point identified in your licence complete all the details for each pollutant listed in the tables provided below.

If concentration monitoring is **not** required by your licence, **no tables** will appear below.

**Note** that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

#### Monitoring Point 1 (NBH1)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 1' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	600	625	650

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Arsenic	milligrams per litre	2	2	0.006	0.006	0.006
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	<1	<1	<1
Chloride	milligrams per litre	2	2	118	126	134
Chromium (total)	milligrams per litre	2	2	<0.001	<0.001	<0.001
Conductivity	microsiemens per centimetre	2	2	1378	1416	1454
Dissolved Oxygen	milligrams per litre	2	2	1.36	2.61	3.86
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	<0.05	<0.05	<0.05
Lead	milligrams per litre	2	2	<0.001	<0.001	<0.001
Magnesium	milligrams per litre	2	2	<1	1	1
Manganese	milligrams per litre	2	2	<0.001	<0.001	<0.001
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	0.01	0.10	0.19
Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	<0.01	<0.01
Nitrogen (total)	milligrams per litre	2	2	<0.1	<0.1	<0.1

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Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	7.61	7.62	7.63
Potassium	milligrams per litre	2	2	10	11	11
Redox potential	millivolts	2	2	+108	+112	+115
Sodium	milligrams per litre	2	2	338	341	343
Standing Water Level	metres	2	2	RL 205.06	RL 205.08	RL 205.09
Sulfate	milligrams per litre	2	2	<1	1	1
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	<0.1	<0.1	<0.1
Total organic carbon	milligrams per litre	2	2	<2	2	3
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	<0.005	0.012	0.008

## Monitoring Point 2 (NBH2)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 2' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

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Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	3900	3900	3900
Arsenic	milligrams per litre	2	2	0.019	0.019	0.019
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	0.5	0.5	0.5
Chloride	milligrams per litre	2	2	4330	4330	4330
Chromium (total)	milligrams per litre	2	2	0.002	0.002	0.002
Conductivity	microsiemens per centimetre	2	2	18248	18248	18248
Dissolved Oxygen	milligrams per litre	2	2	1.12	1.12	1.12
Iron	milligrams per litre	2	2	<0.05	<0.05	<0.05
Lead	milligrams per litre	2	2	0.001	0.001	0.001
Magnesium	milligrams per litre	2	2	76	76	76
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	48.30	48.30	48.30
Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	<0.01	<0.01
Nitrogen (total)	milligrams per litre	2	2	53.7	53.7	53.7
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR

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Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	7.82	7.82	7.82
Potassium	milligrams per litre	2	2	129	129	129
Redox potential	millivolts	2	2	+74	+74	+74
Sodium	milligrams per litre	2	2	4740	4740	4740
Standing Water Level	metres	2	2	RL 206.06	RL 206.06	RL 206.06
Sulfate	milligrams per litre	2	2	1170	1170	1170
Total Kjeldahl Nitrogen	milligrams per litre	2	2	5.4	5.4	5.4
Total organic carbon	milligrams per litre	2	2	78	78	78
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Volatile organic compounds	milligrams per litre	1	2	ND	ND	ND
Zinc	milligrams per litre	2	2	0.006	0.006	0.006

## Monitoring Point 3 (NBH3)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 3' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	1640	1695	1750

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Arsenic	milligrams per litre	2	2	<0.005	<0.005	<0.005
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0005	<0.0005	<0.0005
Calcium	milligrams per litre	2	2	2	5	7
Chloride	milligrams per litre	2	2	7260	7995	8730
Chromium (total)	milligrams per litre	2	2	<0.005	#DIV/0!	0
Conductivity	microsiemens per centimetre	2	2	17823	20887	23950
Dissolved Oxygen	milligrams per litre	2	2	3.72	3.94	4.15
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	<0.05	0.06	0.09
Lead	milligrams per litre	2	2	<0.005	<0.005	<0.005
Magnesium	milligrams per litre	2	2	372	389	405
Manganese	milligrams per litre	2	2	<0.005	<0.005	<0.005
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	338.0	387.0	436.0
Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	<0.03	<0.05
Nitrogen (total)	milligrams per litre	2	2	392.0	443.5	495.0

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Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	7.27	7.33	7.38
Potassium	milligrams per litre	2	2	105	111	117
Redox potential	millivolts	2	2	+109	+118	+126
Sodium	milligrams per litre	2	2	6400	6840	7280
Standing Water Level	metres	2	2	RL 205.74	RL 205.75	RL 205.75
Sulfate	milligrams per litre	2	2	2040	2240	2440
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	53.7	56.5	59.3
Total organic carbon	milligrams per litre	2	2	29	34	39
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	0.030	0.032	0.033

## Monitoring Point 4 (NBH4)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 4' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

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Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	1153	1157	1160
Arsenic	milligrams per litre	2	2	0.004	0.005	0.005
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	1	2	2
Chloride	milligrams per litre	2	2	943	959	975
Chromium (total)	milligrams per litre	2	2	<0.001	<0.001	<0.001
Conductivity	microsiemens per centimetre	2	2	4758	4784	4810
Dissolved Oxygen	milligrams per litre	2	2	2.54	3.72	4.90
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	<0.05	0.13	0.20
Lead	milligrams per litre	2	2	<0.001	0.002	0.003
Magnesium	milligrams per litre	2	2	5	5	5
Manganese	milligrams per litre	2	2	0.002	0.011	0.019
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	0.21	0.23	0.24



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Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	<0.01	<0.01
Nitrogen (total)	milligrams per litre	2	2	0.2	0.2	0.2
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	7.60	7.61	7.62
Potassium	milligrams per litre	2	2	33	34	35
Redox potential	millivolts	2	2	+96	+102	+108
Sodium	milligrams per litre	2	2	1100	1105	1110
Standing Water Level	metres	2	2	RL 205.41	RL 205.42	RL 205.43
Sulfate	milligrams per litre	2	2	26	26	26
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	<0.1	<0.1	<0.1
Total organic carbon	milligrams per litre	2	2	<2	4	7
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	0.007	0.011	0.014

## Monitoring Point 5 (NBH5)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 5' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	1007	1070	1133
Arsenic	milligrams per litre	2	2	0.004	0.004	0.004
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	19	20	20
Chloride	milligrams per litre	2	2	3360	3485	3610
Chromium (total)	milligrams per litre	2	2	<0.001	0.001	0.001
Conductivity	microsiemens per centimetre	2	2	10215	10250	10285
Dissolved Oxygen	milligrams per litre	2	2	4.84	5.83	6.82
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	<0.05	<0.05	<0.05
Lead	milligrams per litre	2	2	<0.001	0.001	0.001
Magnesium	milligrams per litre	2	2	52	54	56

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Manganese	milligrams per litre	2	2	0.007	0.019	0.030
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	4.83	4.85	4.86
Nitrogen (ammonia)	milligrams per litre	2	2	0.01	0.08	0.14
Nitrogen (total)	milligrams per litre	2	2	5.2	5.2	5.2
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	7.37	7.37	7.37
Potassium	milligrams per litre	2	2	7	7	7
Redox potential	millivolts	2	2	+111	+114	+116
Sodium	milligrams per litre	2	2	2350	2420	2490
Standing Water Level	metres	2	2	RL 206.03	RL 206.04	RL 206.05
Sulfate	milligrams per litre	2	2	99	100	101
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	0.3	0.4	0.4
Total organic carbon	milligrams per litre	2	2	9	12	15
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05

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Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	0.018	0.022	0.025

## Monitoring Point 6 (NBH6)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 6' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	3300	3315	3330
Arsenic	milligrams per litre	2	2	0.010	0.010	0.010
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	6	7	7
Chloride	milligrams per litre	2	2	2560	2580	2600
Chromium (total)	milligrams per litre	2	2	0.004	0.004	0.004
Conductivity	microsiemens per centimetre	2	2	11135	11529	11923
Dissolved Oxygen	milligrams per litre	2	2	5.06	5.24	5.41
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	<0.05	<0.05	<0.05

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Lead	milligrams per litre	2	2	0.001	0.001	0.003
Magnesium	milligrams per litre	2	2	27	27	27
Manganese	milligrams per litre	2	2	<0.001	0.001	0.002
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	5.66	6.11	6.55
Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	0.01	0
Nitrogen (total)	milligrams per litre	2	2	6.5	7.0	7.4
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	8.06	8.09	8.11
Potassium	milligrams per litre	2	2	78	82	86
Redox potential	millivolts	2	2	+55	+73	+91
Sodium	milligrams per litre	2	2	2770	2930	3090
Standing Water Level	metres	2	2	RL 206.70	RL 206.70	RL 206.70
Sulfate	milligrams per litre	2	2	119	126	133
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	0.8	0.9	0.9

Total organic carbon	milligrams per litre	2	2	6	24	42
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	0.009	0.012	0.014

## Monitoring Point 7 (NBH7)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 7' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	4	4	47	87	117
Arsenic	milligrams per litre	4	4	<0.001	0.001	0.002
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	4	4	<0.0001	0.0001	0.0001
Calcium	milligrams per litre	4	4	5	6	7
Chloride	milligrams per litre	4	4	37	40	42
Conductivity	microsiemens per centimetre	4	4	405	453	500
Dissolved Oxygen	milligrams per litre	4	4	2.33	3.42	4.19
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR

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Iron	milligrams per litre	4	4	<0.05	5.48	12.20
Lead	milligrams per litre	4	4	<0.001	0.003	0.006
Magnesium	milligrams per litre	4	4	6	7	8
Manganese	milligrams per litre	4	4	<0.001	0.014	0.153
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	4	4	0.02	0.39	0.75
Nitrogen (ammonia)	milligrams per litre	4	4	<0.01	0.01	0.02
Nitrogen (total)	milligrams per litre	4	4	0.9	1.3	1.8
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	4	4	6.41	6.66	7.09
Potassium	milligrams per litre	4	4	8	10	12
Redox potential	millivolts	4	4	+96	+126	+156
Sodium	milligrams per litre	4	4	64	70	75
Standing Water Level	metres	4	4	RL 210.94	RL 211.16	RL 211.34
Sulfate	milligrams per litre	4	4	30	32	36
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR

Total Kjeldahl Nitrogen	milligrams per litre	4	4	0.7	1.0	1.1
Total organic carbon	milligrams per litre	4	4	7	8	9
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	4	4	<0.005	0.008	0.016

## Monitoring Point 8 (NBH8)

Groundwater quality monitoring, Groundwater monitoring point known as 'Bore Hole 8' as shown on map titled 'Narrabri Landfill' in report 'Narrabri Landfill Environmental Monitoring' dated 1 October 2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre	2	2	473	477	480
Arsenic	milligrams per litre	2	2	<0.001	0.001	0.002
Benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Cadmium	milligrams per litre	2	2	<0.0001	<0.0001	<0.0001
Calcium	milligrams per litre	2	2	14	15	16
Chloride	milligrams per litre	2	2	1580	1615	1650
Chromium (total)	milligrams per litre	2	2	<0.001	<0.001	<0.001
Conductivity	microsiemens per centimetre	2	2	5225	5249	5273



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Dissolved Oxygen	milligrams per litre	2	2	5.72	5.95	6.17
Ethyl benzene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Iron	milligrams per litre	2	2	0.07	0.12	0.16
Lead	milligrams per litre	2	2	0.004	0.005	0.006
Magnesium	milligrams per litre	2	2	51	52	52
Manganese	milligrams per litre	2	2	0.016	0.020	0.023
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	2	2	0.34	0.36	0.37
Nitrogen (ammonia)	milligrams per litre	2	2	<0.01	0.02	0.04
Nitrogen (total)	milligrams per litre	2	2	0.6	0.7	0.7
Organochlorine pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	milligrams per litre	1	1	<LOR	<LOR	<LOR
pH	pH	2	2	6.92	7.05	7.17
Potassium	milligrams per litre	2	2	17	18	18
Redox potential	millivolts	2	2	+74	+110	+145
Sodium	milligrams per litre	2	2	1130	1135	1140
Standing Water Level	metres	2	2	RL 206.07	RL 206.15	RL 206.22

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Sulfate	milligrams per litre	2	2	27	27	27
Toluene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	2	2	0.3	0.3	0.3
Total organic carbon	milligrams per litre	2	2	4	5	5
Total Phenolics	milligrams per litre	1	1	<0.05	<0.05	<0.05
Xylene	milligrams per litre	1	1	<LOR	<LOR	<LOR
Zinc	milligrams per litre	2	2	0.033	0.038	0.042

## Monitoring Point 9 (NS1)

Discharge quality monitoring, Sedimentation dam located closest to the utilities shed as shown on map titled 'Narrabri Waste Management Facility Yarrie Lake Road - Location of sedimentation Ponds' dated 26/10/2006 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Conductivity	microsiemens per centimetre	0	1	240	240	240
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	0	1	0.09	0.09	0.09
Nitrogen (ammonia)	milligrams per litre	0	1	0.19	0.19	0.19
Nitrogen (total)	milligrams per litre	0	1	1.8	1.8	1.8
Oil and Grease	milligrams per litre	0	1	<5	<5	<5
pH	pH	0	1	8.10	8.10	8.10

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Total organic carbon	milligrams per litre	0	1	5	5	5
Total suspended solids	milligrams per litre	0	1	72	72	72

## Monitoring Point 10 (NS2)

Discharge quality monitoring, Sedimentation dam labelled as '2' on map titled 'Narrabri Waste Management Facility Yarrie Lake Road - Location of Sedimentation Ponds' dated 26/10/06 and on EPA file 251463A1/02.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Conductivity	microsiemens per centimetre	0	0	NO DISCHARGE		
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	0	0			
Nitrogen (ammonia)	milligrams per litre	0	0			
Nitrogen (total)	milligrams per litre	0	0			
Oil and Grease	milligrams per litre	0	0			
pH	pH	0	0			
Total organic carbon	milligrams per litre	0	0			
Total suspended solids	milligrams per litre	0	0			

## Monitoring Point 11 (NL1)

Leachate quality monitoring, Leachate pond as shown on map titled 'Narrabri Waste Depot Redevelopment' in report 'Narrabri Landfill - Yarrie Lake Road - Pollution Reduction Programs' submitted to the EPA on 27 June 2006.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value

# Annual Return

NARRABRI SHIRE COUNCIL



Alkalinity (as calcium carbonate)	milligrams per litre	1	1	5000	5000	5000
Aluminum	milligrams per litre	1	1	1.58	1.58	1.58
Arsenic	milligrams per litre	1	1	0.021	0.021	0.021
Barium	milligrams per litre	1	1	0.561	0.561	0.561
Cadmium	milligrams per litre	1	1	0.0011	0.0011	0.0011
Calcium	milligrams per litre	1	1	78	78	78
Chloride	milligrams per litre	1	1	2120	2120	2120
Chromium (hexavalent)	milligrams per litre	1	1	<LOR	<LOR	<LOR
Chromium (total)	milligrams per litre	1	1	0.562	0.562	0.562
Cobalt	milligrams per litre	1	1	0.076	0.076	0.076
Conductivity	microsiemens per centimetre	1	1	12125	12125	12125
Copper	milligrams per litre	1	1	0.169	0.169	0.169
Fluoride	milligrams per litre	1	1	0.3	0.3	0.3
Iron	milligrams per litre	1	1	19.4	19.4	19.4
Lead	milligrams per litre	1	1	0.046	0.046	0.046
Magnesium	milligrams per litre	1	1	96	96	96

# Annual Return

NARRABRI SHIRE COUNCIL



Manganese	milligrams per litre	1	1	0.997	0.997	0.997
Mercury	0.997	1	1	<LOR	<LOR	<LOR
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	<LOR	<LOR	<LOR
Nitrogen (ammonia)	milligrams per litre	1	1	542	542	542
Organochlorine pesticides	micrograms per litre	1	1	<LOR	<LOR	<LOR
Organophosphate pesticides	micrograms per litre	1	1	<LOR	<LOR	<LOR
pH	pH	1	1	8.67	8.67	8.67
Phosphorus (total)	milligrams per litre	1	1	7.67	7.67	7.67
Polycyclic aromatic hydrocarbons	milligrams per litre	1	1	<LOR	<LOR	<LOR
Potassium	milligrams per litre	1	1	586	586	586
Sodium	milligrams per litre	1	1	2220	2220	2220
Sulfate	milligrams per litre	1	1	<LOR	<LOR	<LOR
Total Kjeldahl Nitrogen	milligrams per litre	1	1	740	740	740
Total organic carbon	milligrams per litre	1	1	1470	1470	1470
Total petroleum hydrocarbons	milligrams per litre	1	1	10.50	10.50	10.50
Total Phenolics	milligrams per litre	1	1	<LOR	<LOR	<LOR

Volatile organic compounds	milligrams per litre	1	2	<LOR	<LOR	<LOR
Zinc	milligrams per litre	1	2	0.525	0.525	0.525

## Monitoring Point 12

Air Emissions Monitoring, Surface gas monitoring in progressively capped areas of the landfill

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Methane	percent by volume	4 rounds	4 rounds	Nil detected	<LOR	<LOR

## Monitoring Point 13

Air Emissions Monitoring, Building gas accumulation monitoring in buildings on the landfill premises

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Methane	percent by volume	4 rounds	4 rounds	Nil detected	Nil detected	Nil detected

*Section B2 has been completed by CodyHart Environmental on Council behalf. There has been full compliance with the Environment Protection Licence 12193 monitoring requirements. The December 2023 sampling round was delayed until early January 2024 due to boggy track conditions for 4WD access. Hence the reporting period has been revised and is now 21-Dec-2022 to 15-Jan-2024.*

## B3 Volume or Mass Monitoring Summary

For each monitoring point identified in your licence complete the details of the volume or mass monitoring indicated in the tables provided below.

If volume or mass monitoring is not required by your licence, **no tables** will appear below.

**Note** that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).