

Annual Return

WENTWORTH SHIRE COUNCIL



B Monitoring and Complaints Summary

B1 Number of Pollution Complaints

<p>Number of complaints recorded by the licensee during the reporting period.</p> <p>If no complaints were received enter nil in the attached box, otherwise complete the table below.</p>	Nil
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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

Groundwater quality, Borehole labelled 'BH01' as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

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	1	1	Dry	Dry	Dry

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Arsenic	milligrams per litre	1	1	Dry	Dry	Dry
Benzene	milligrams per litre	1	1	Dry	Dry	Dry
Calcium	milligrams per litre	1	1	Dry	Dry	Dry
Chloride	milligrams per litre	1	1	Dry	Dry	Dry
Conductivity	microsiemens per centimetre	2	2	Dry	Dry	Dry
Fluoride	milligrams per litre	1	1	Dry	Dry	Dry
Lead	milligrams per litre	1	1	Dry	Dry	Dry
Magnesium	milligrams per litre	1	1	Dry	Dry	Dry
Manganese	milligrams per litre	1	1	Dry	Dry	Dry
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	Dry	Dry	Dry
Nitrogen (ammonia)	milligrams per litre	1	1	Dry	Dry	Dry
pH	pH	2	2	Dry	Dry	Dry
Potassium	milligrams per litre	1	1	Dry	Dry	Dry
Sodium	milligrams per litre	1	1	Dry	Dry	Dry
Standing Water Level	metres	2	2	Dry	Dry	Dry
Sulfate	milligrams per litre	1	1	Dry	Dry	Dry

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Total organic carbon	milligrams per litre	1	1	Dry	Dry	Dry
Total Phenolics	milligrams per litre	1	1	Dry	Dry	Dry

Monitoring Point 2

Groundwater quality, Borehole labelled 'BH02' as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

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	1	1	540	540	540
Arsenic	milligrams per litre	1	1	<0.1	<0.1	<0.1
Benzene	milligrams per litre	1				
Calcium	milligrams per litre	1	1	540	540	540
Chloride	milligrams per litre	1	1	25000	25000	25000
Conductivity	microsiemens per centimetre	2	2	63000	69500	76000
Fluoride	milligrams per litre	1	1	<0.5	<0.5	<0.5
Lead	milligrams per litre	1	1	<0.1	<0.1	<0.1
Magnesium	milligrams per litre	1	1	1500	1500	1500
Manganese	milligrams per litre	1	1	1.1	1.1	1.1
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	39	39	39

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Nitrogen (ammonia)	milligrams per litre	1	1	0.11	0.11	0.11
pH	pH	2	2	7.8	7.9	8.1
Potassium	milligrams per litre	1	1	250	250	250
Sodium	milligrams per litre	1	1	12000	12000	12000
Standing Water Level	metres	2				
Sulfate	milligrams per litre	1	1	1200	1200	1200
Total organic carbon	milligrams per litre	1	1	9	9	9
Total Phenolics	milligrams per litre	1	1	<1	<1	<1

Monitoring Point 3

Groundwater quality, Borehole labelled 'BH03' as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

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	1	1	440	440	440
Arsenic	milligrams per litre	1	1	<0.1	<0.1	<0.1
Benzene	milligrams per litre	1				
Calcium	milligrams per litre	1	1	440	440	440
Chloride	milligrams per litre	1	1	24000	24000	24000

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Conductivity	microsiemens per centimetre	2	2	69000	69000	Dry
Fluoride	milligrams per litre	1	1	24000	24000	24000
Lead	milligrams per litre	1	1	24000	24000	24000
Magnesium	milligrams per litre	1	1	24000	24000	24000
Manganese	milligrams per litre	1	1	24000	24000	24000
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	24000	24000	24000
Nitrogen (ammonia)	milligrams per litre	1	1	24000	24000	24000
pH	pH	2	2	7.1	7.1	Dry
Potassium	milligrams per litre	1	1	24000	24000	24000
Sodium	milligrams per litre	1	1	24000	24000	24000
Standing Water Level	metres	2	2	29.7	29.7	Dry
Sulfate	milligrams per litre	1	1	24000	24000	24000
Total organic carbon	milligrams per litre	1	1	24000	24000	24000
Total Phenolics	milligrams per litre	1	1	24000	24000	24000

Monitoring Point 4

Groundwater quality, Borehole labelled 'BH04' as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

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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	1	1	<20	<20	<20
Arsenic	milligrams per litre	1	1	0.046	0.046	0.046
Benzene	milligrams per litre	1	1	<0.001	<0.001	<0.001
Calcium	milligrams per litre	1	1	230	230	230
Chloride	milligrams per litre	1	1	16000	16000	16000
Conductivity	microsiemens per centimetre	2	2	69000	71500	74000
Fluoride	milligrams per litre	1	1	<0.5	<0.5	<0.5
Lead	milligrams per litre	1	1	0.23	0.23	0.23
Magnesium	milligrams per litre	1	1	1200	1200	1200
Manganese	milligrams per litre	1	1	1.1	1.1	1.1
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	2	2	2
Nitrogen (ammonia)	milligrams per litre	1	1	0.58	0.58	0.58
pH	pH	2	2	3.7	5.3	6.9
Potassium	milligrams per litre	1	1	120	120	120
Sodium	milligrams per litre	1	1	8200	8200	8200

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Standing Water Level	metres	2	2	16.8	16.45	16.1
Sulfate	milligrams per litre	1	1	1200	1200	1200
Total organic carbon	milligrams per litre	1	1	10	10	10
Total Phenolics	milligrams per litre	1	1	0.34	0.34	0.34

Discharge & Monitoring Point 5

Water quality, Discharge point from the sediment basin as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

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	millisiemens per centimetre	2	2	58000	58000	58000
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.36	0.36	0.36
Nitrogen (ammonia)	milligrams per litre	1	1	0.82	0.82	0.82
pH	pH	2	2	7.9	7.9	7.9
Total organic carbon	milligrams per litre	1	1	22	22	22
Total suspended solids	milligrams per litre	1	1	72	72	72

Monitoring Point 6

Proposed Leachate Storage Pond, Leachate pond as shown in the drawing titled "Site Layout" at Appendix "A" of the "Wentworth Shire Council - Buronga Landfill - Environmental Management Plan" dated November 2012 and kept on EPA file FIL07/5811-18

This pond is not constructed and therefore no sampling is possible. Refer to Condition U3.2 in Licence version dated 12 May 2014.

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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					
Arsenic	milligrams per litre					
Benzene	milligrams per litre					
Calcium	milligrams per litre					
Chloride	milligrams per litre					
Conductivity	microsiemens per centimetre					
Fluoride	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre					
Nitrogen (ammonia)	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Sodium	milligrams per litre					

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Sulfate	milligrams per litre					
Total organic carbon	milligrams per litre					
Total Phenolics	milligrams per litre					

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).