

Annual Return

WENTWORTH SHIRE COUNCIL



B Monitoring and Complaints Summary

B1 Number of Pollution Complaints

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

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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 gram	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
Nitrogen (ammonia)	milligrams per litre	1	1	0.11	0.11	0.11
pH	pH	2	2	7.8	7.95	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

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Total organic carbon	milligrams per litre	1	1	9.0	9.0	9.0
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
Conductivity	microsiemens per centimetre	2	2	59000	65000	71000
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 gram	1	1	1300	1300	1300
Manganese	milligrams per litre	1	1	4.6	4.6	4.6
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.1	0.1	0.1

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Nitrogen (ammonia)	milligrams per litre	1	1	0.72	0.72	0.72
pH	pH	2	2	7.1	7.5	7.9
Potassium	milligrams per litre	1	1	230	230	230
Sodium	milligrams per litre	1	1	11000	11000	11000
Standing Water Level	metres	2				
Sulfate	milligrams per litre	1	1	1200	1200	1200
Total organic carbon	milligrams per litre	1	1	12	12	12
Total Phenolics	milligrams per litre	1	1	<1	<1	<1

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

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	270	270	270
Arsenic	milligrams per litre	1	1	<0.1	<0.1	<0.1
Benzene	milligrams per litre	1				
Calcium	milligrams per litre	1	1	270	270	270
Chloride	milligrams per litre	1	1	19000	19000	19000

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Conductivity	microsiemens per centimetre	2	2	46000	47500	49000
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 gram	1	1	1200	1200	1200
Manganese	milligrams per litre	1	1	2.3	2.3	2.3
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.6	0.6	0.6
Nitrogen (ammonia)	milligrams per litre	1	1	0.71	0.71	0.71
pH	pH	2	2	3.6	3.6	3.6
Potassium	milligrams per litre	1	1	200	200	200
Sodium	milligrams per litre	1	1	10000	10000	10000
Standing Water Level	metres	2				
Sulfate	milligrams per litre	1	1	1200	1200	1200
Total organic carbon	milligrams per litre	1	1	<5	<5	<5
Total Phenolics	milligrams per litre	1	1	<1	<1	<1

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

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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
Conductivity	millisiemens per centimetre	2	DRY	DRY	DRY	DRY
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	DRY	DRY	DRY	DRY
Nitrogen (ammonia)	milligrams per litre	1	DRY	DRY	DRY	DRY
pH	pH	2	DRY	DRY	DRY	DRY
Total organic carbon	milligrams per litre	1	DRY	DRY	DRY	DRY
Total suspended solids	milligrams per litre	1	DRY	DRY	DRY	DRY

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

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
Arsenic	milligrams per litre					
Benzene	milligrams per litre					
Calcium	milligrams per litre					
Chloride	milligrams per litre					
Conductivity	microsiemens per centimetre					

This pond is not constructed therefore no sampling is possible. Refer to condition U3.2 in license variation dated 12/12/2014

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Fluoride	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per gram					
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					
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).