

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
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	330	330	330

Annual Return

WENTWORTH SHIRE COUNCIL



Arsenic	milligrams per litre	1	1	<0.05	<0.05	<0.05
Benzene	milligrams per litre	1	1	<0.001	<0.001	<0.001
Calcium	milligrams per litre	1	1	440	440	440
Chloride	milligrams per litre	1	1	22000	22000	22000
Conductivity	microsiemens per centimetre	2	2	57000	59000	61000
Fluoride	milligrams per litre	1	1	<0.5	<0.5	<0.5
Lead	milligrams per litre	1	1	<0.05	<0.05	<0.05
Magnesium	milligrams per gram	1	1	1700	1700	1700
Manganese	milligrams per litre	1	1	0.66	0.66	0.66
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.19	0.19	0.19
Nitrogen (ammonia)	milligrams per litre	1	1	0.29	0.29	0.29
pH	pH	2	2	7.3	7.7	8.1
Potassium	milligrams per litre	1	1	200	200	200
Sodium	milligrams per litre	1	1	11000	11000	11000
Standing Water Level	metres	2	2	8.80	8.90	8.90
Sulfate	milligrams per litre	1	1	3100	3100	3100

Annual Return

WENTWORTH SHIRE COUNCIL



Total organic carbon	milligrams per litre	1	1	22	22	22
Total Phenolics	milligrams per litre	1	1	0.49	0.49	0.49

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	79	79	79
Arsenic	milligrams per litre	1	1	<0.05	<0.05	<0.05
Benzene	milligrams per litre	1	1	<0.001	<0.001	<0.001
Calcium	milligrams per litre	1	1	310	310	310
Chloride	milligrams per litre	1	1	21000	21000	21000
Conductivity	microsiemens per centimetre	2	2	52000	54000	57000
Fluoride	milligrams per litre	1	1	<0.5	<0.5	<0.5
Lead	milligrams per litre	1	1	<0.05	<0.05	<0.05
Magnesium	milligrams per gram	1	1	1500	1500	1500
Manganese	milligrams per litre	1	1	4.3	4.3	4.3
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.06	0.06	0.06

Annual Return

WENTWORTH SHIRE COUNCIL



Nitrogen (ammonia)	milligrams per litre	1	1	0.62	0.62	0.62
pH	pH	2	2	6.5	7.1	7.7
Potassium	milligrams per litre	1	1	180	180	180
Sodium	milligrams per litre	1	1	11000	11000	11000
Standing Water Level	metres	2	2	6.5	6.8	7.1
Sulfate	milligrams per litre	1	1	2800	2800	2800
Total organic carbon	milligrams per litre	1	1	16	16	16
Total Phenolics	milligrams per litre	1	1	0.34	0.34	0.34

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	<20	<20	<20
Arsenic	milligrams per litre	1	1	<0.05	<0.05	<0.05
Benzene	milligrams per litre	1	1	<0.001	<0.001	<0.001
Calcium	milligrams per litre	1	1	190	190	190
Chloride	milligrams per litre	1	1	16000	16000	16000

Annual Return

WENTWORTH SHIRE COUNCIL



Conductivity	microsiemens per centimetre	2	2	41000	42500	44000
Fluoride	milligrams per litre	1	1	<0.5	<0.5	<0.5
Lead	milligrams per litre	1	1	<0.05	<0.05	<0.05
Magnesium	milligrams per gram	1	1	1100	1100	1100
Manganese	milligrams per litre	1	1	1.5	1.5	1.5
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	35	35	35
Nitrogen (ammonia)	milligrams per litre	1	1	0.67	0.67	0.67
pH	pH	2	2	3.6	3.7	3.9
Potassium	milligrams per litre	1	1	150	150	150
Sodium	milligrams per litre	1	1	9200	9200	9200
Standing Water Level	metres	2	2	17.40	17.60	17.70
Sulfate	milligrams per litre	1	1	2900	2900	2900
Total organic carbon	milligrams per litre	1	1	6.6	6.6	6.6
Total Phenolics	milligrams per litre	1	1	0.10	0.10	0.10

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

Annual Return

WENTWORTH SHIRE COUNCIL



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	1	1	1099	1099	1099
Nitrate + nitrite (oxidised nitrogen)	milligrams per litre	1	1	0.40 0.02	0.40 0.02	0.40 0.02
Nitrogen (ammonia)	milligrams per litre	1	1	0.06	0.06	0.06
pH	pH	1	1	7.8	7.8	7.8
Total organic carbon	milligrams per litre	1	1	27	27	27
Total suspended solids	milligrams per litre	1	1	240	240	240

Monitoring Point 6 This pond is not constructed yet therefore no samples taken

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					

Annual Return

WENTWORTH SHIRE COUNCIL



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					

Annual Return

WENTWORTH SHIRE COUNCIL



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).

N/A