

**Concentration Monitoring Summary**  
**Cooma Landfill 8448 Monaro Highway Cooma NSW - EPA Licence 6194**

Data Last Updated on Wednesday 14 September 2016

Monitoring Points		Number of samples required		Date Data was Obtained				Units of Measure		
Monitoring Location 6		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP				1/12/15	1/03/16	15/06/16	6/09/16			
EPA Analytes	pH (pH)	4	4	7.89	8.2	7.55	8.04	7.6	7.920	8.20
	Conductivity (uS/cm)			765	1200	829	833	765.0	906.750	1200.00
	Alkalinity as Calcium Carbonate (mg/L)			296	220	216	214	214.0	236.500	296.00
	Ammonia (N) (mg/L)			0.3	0.1	3.7	0.2	0.1	1.075	3.70
	Nitrate (N) (mg/L)			0.05	0.05	0.06	0.21	0.1	0.093	0.21
	B.O.D. (mg/L)			25	40	24	4	4.0	23.250	40.00
Monitoring Location 3		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP				1/12/15	1/03/16	15/06/16	6/09/16			
EPA Analytes	pH (pH)	4	4	7.78	7.7	6.52	7.8	6.5	7.438	7.78
	Conductivity (uS/cm)			1370	1740	1440	1470	1370.0	1505.000	1740.00
	Alkalinity as Calcium Carbonate (mg/L)			387	111	476	452.0	111.0	356.500	476.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			3.38	2.62	1.94	3.5	1.9	2.850	3.46
	B.O.D. (mg/L)			5	7	5	7.0	5.0	6.000	7.00
Monitoring Location 4		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP				1/12/15	1/03/16	15/06/15	6/09/16			
EPA Analytes	pH (pH)	4	4	7.99	7.98	7.06	7.97	7.1	7.750	7.99
	Conductivity (uS/cm)			542	470	593	532	470.0	534.250	593.00
	Alkalinity as Calcium Carbonate (mg/L)			240	217	262	235	217.0	238.500	262.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			4.64	3.67	6.1	4.98	3.7	4.848	6.10
	B.O.D. (mg/L)			4	8	6	6	4.0	6.000	8.00
Monitoring Location 5		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP				1/12/15	1/03/16	15/06/16	6/09/16			
EPA Analytes	pH (pH)	4	4	7.99	7.98	7.64	8.02	7.64	7.908	8.02
	Conductivity (uS/cm)			478	478	482	482	478.00	480.000	482.00
	Alkalinity as Calcium Carbonate (mg/L)			213	470	248	229	213.00	290.000	470.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.10	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.46	3.79	5.51	3.59	3.46	4.088	5.51
	B.O.D. (mg/L)			28	4	3	4.00	3.00	9.750	28.00
Monitoring Location 1		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/E03 of LEMP				1/12/15	1/03/16	15/06/16	6/09/16			
EPA Analytes	pH (pH)	4	4	8.08	7.97	4.46	7.99	4.46	7.125	8.08
	Conductivity (uS/cm)			550	51	640	507	51.00	437.000	640.00
	Alkalinity as Calcium Carbonate (mg/L)			218	72	215	218	72.00	180.750	218.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.25	3.33	3.35	3.4	3.25	3.323	3.36
	B.O.D. (mg/L)			2	6	4	26	2.00	9.500	26.00
Monitoring Location 2		No. of samples required by licence	No. of samples collected and analysed	2015/2016				Lowest sample value	Mean of samples	Highest sample value
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/E03 of LEMP				1/12/15	1/03/16	15/06/16	6/09/16			
EPA Analytes	pH (pH)			*	*	5.16	7.85	5.16	6.505	7.85
	Conductivity (uS/cm)			*	*	537	493	493.00	515.000	537.00
	Alkalinity as Calcium Carbonate (mg/L)			*	*	208	211	208.00	209.500	211.00
	Ammonia (N) (mg/L)			*	*	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			*	*	2.93	2.78	2.78	2.855	2.93
	B.O.D. (mg/L)			*	*	7	5	5.00	6.000	7.00
* Indicates that the piezometer/bore hole was dry and no samples taken										
Monitoring of the Cooma Landfill site is required under the Licence 6194 to be carried out on a quarterly basis										
Date of next quarterly samples to be taken				Tuesday, 6 December 2016						