

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

Data Last Updated on Thursday 19th June 2014

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	2013/2014				Lowest sample value	Mean of samples	Highest sample value
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4		*	*	*	*	0.0	#DIV/0!	0.00
	Conductivity (uS/cm)			*	*	*	*	0.0	#DIV/0!	0.00
	Alkalinity as Calcium Carbonate (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
	pH (pH)			*	*	*	*	0.0	#DIV/0!	0.00
	Ammonia (N) (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
	Nitrate (N) (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
Monitoring Location 3		No. of samples required by licence	No. of samples collected and analysed	2013/2014				Lowest sample value	Mean of samples	Highest sample value
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4	4	6	6	5	4.0	4.0	5.250	6.00
	Conductivity (uS/cm)			1510	1360	1210	1250	1210.0	1332.500	1510.00
	Alkalinity as Calcium Carbonate (mg/L)			443	406	366	366.0	366.0	395.250	443.00
	pH (pH)			7.6	7.57	7.61	7.6	7.6	7.603	7.63
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			2.32	2.37	2.25	2.1	2.1	2.255	2.37
Monitoring Location 4		No. of samples required by licence	No. of samples collected and analysed	2013/2014				Lowest sample value	Mean of samples	Highest sample value
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4	4	4	2	4	2	2.0	3.000	4.00
	Conductivity (uS/cm)			516	505	493	490	490.0	501.000	516.00
	Alkalinity as Calcium Carbonate (mg/L)			235	230	223	220	220.0	227.000	235.00
	pH (pH)			7.99	7.91	7.93	7.92	7.9	7.938	7.99
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			4.04	4.12	3.9	3.61	3.6	3.918	4.12
Monitoring Location 5		No. of samples required by licence	No. of samples collected and analysed	2013/2014				Lowest sample value	Mean of samples	Highest sample value
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4	4	2	2	2	2	2.00	2.000	2.00
	Conductivity (uS/cm)			516	518	511	503	503.00	512.000	518.00
	Alkalinity as Calcium Carbonate (mg/L)			235	239	233	226.0	226.00	233.250	239.00
	pH (pH)			8.02	7.89	7.93	7.8	7.84	7.920	8.02
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.10	0.10	0.100	0.10
	Nitrate (N) (mg/L)			4.14	4.39	4.03	3.60	3.60	4.040	4.39
Monitoring Location 1		No. of samples required by licence	No. of samples collected and analysed	2013/2014				Lowest sample value	Mean of samples	Highest sample value
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/E03 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4	3	*	4	7	2	2.00	4.333	7.00
	Conductivity (uS/cm)			*	522	529	542	522.00	531.000	542.00
	Alkalinity as Calcium Carbonate (mg/L)			*	203	205	205	203.00	204.333	205.00
	pH (pH)			*	7.93	7.96	8.0	7.93	7.963	8.00
	Ammonia (N) (mg/L)			*	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			*	3.34	3.43	3.30	3.30	3.357	3.43
Monitoring Location 2		No. of samples required by licence	No. of samples collected and analysed	2013/2014				Lowest sample value	Mean of samples	Highest sample value
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/E03 of LEMP				3/12/13	4/03/14	3/06/14	2/09/14			
EPA Analytes	B.O.D. (mg/L)	4	1	9	*	*	*	9.00	9.000	9.00
	Conductivity (uS/cm)			528	*	*	*	528.00	528.000	528.00
	Alkalinity as Calcium Carbonate (mg/L)			201	*	*	*	201.00	201.000	201.00
	pH (pH)			7.97	*	*	*	7.97	7.970	7.97
	Ammonia (N) (mg/L)			0.1	*	*	*	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.03	*	*	*	3.03	3.030	3.03
* 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, 2 September 2014						