

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

Data Last Updated on Thursday 15th June 2017

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	2016/2017				Lowest sample value	Mean of samples	Highest sample value
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	8.1	8.22	9		8.1	8.440	9.00
	Conductivity (uS/cm)			1050	2570	805		805.0	1475.000	2570.00
	Alkalinity as Calcium Carbonate (mg/L)			338	587	124		124.0	349.667	587.00
	Ammonia (N) (mg/L)			0.1	0.2	0.2		0.1	0.167	0.20
	Nitrate (N) (mg/L)			0.05	0.05	4.3		0.1	1.467	4.30
	B.O.D. (mg/L)			11	68	26		11.0	35.000	68.00
Monitoring Location 3		No. of samples required by licence	No. of samples collected and analysed	2016/2017				Lowest sample value	Mean of samples	Highest sample value
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	7.88	7.81	7.64		7.6	7.725	7.81
	Conductivity (uS/cm)			1510	1820	1680		1510.0	1670.000	1820.00
	Alkalinity as Calcium Carbonate (mg/L)			491	539	552		491.0	527.333	552.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1		0.1	0.100	0.10
	Nitrate (N) (mg/L)			4.31	1.59	1.25		1.3	2.383	4.31
	B.O.D. (mg/L)			2	19	6		2.0	9.000	19.00
Monitoring Location 4		No. of samples required by licence	No. of samples collected and analysed	2016/2017				Lowest sample value	Mean of samples	Highest sample value
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	8.03	7.93	7.9		7.9	7.953	8.03
	Conductivity (uS/cm)			545	497	558		497.0	533.333	558.00
	Alkalinity as Calcium Carbonate (mg/L)			252	237	278		237.0	255.667	278.00
	Ammonia (N) (mg/L)			0.01	0.01	0.1		0.0	0.040	0.10
	Nitrate (N) (mg/L)			4.68	3.31	5		3.3	4.330	5.00
	B.O.D. (mg/L)			7	7	5		5.0	6.333	7.00
Monitoring Location 5		No. of samples required by licence	No. of samples collected and analysed	2016/2017				Lowest sample value	Mean of samples	Highest sample value
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	8.06	7.96	8.1		7.96	8.040	8.10
	Conductivity (uS/cm)			485	485	555		485.00	508.333	555.00
	Alkalinity as Calcium Carbonate (mg/L)			248	241	261		241.00	250.000	261.00
	Ammonia (N) (mg/L)			0.1	0.01	0.1		0.01	0.070	0.10
	Nitrate (N) (mg/L)			3.2	3.22	5.25		3.20	3.890	5.25
	B.O.D. (mg/L)			3	5	2		2.00	3.333	5.00
Monitoring Location 1		No. of samples required by licence	No. of samples collected and analysed	2016/2017				Lowest sample value	Mean of samples	Highest sample value
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	8.12	7.93	7.92		7.92	7.990	8.12
	Conductivity (uS/cm)			528	522	517		517.00	522.333	528.00
	Alkalinity as Calcium Carbonate (mg/L)			234	222	229		222.00	228.333	234.00
	Ammonia (N) (mg/L)			0.1	0.01	0.1		0.01	0.070	0.10
	Nitrate (N) (mg/L)			2.77	3.36	3.26		2.77	3.130	3.36
	B.O.D. (mg/L)			15	35	5		5.00	18.333	35.00
Monitoring Location 2		No. of samples required by licence	No. of samples collected and analysed	2016/2017				Lowest sample value	Mean of samples	Highest sample value
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP				6/12/16	1/03/17	6/06/17				
EPA Analytes	pH (pH)	4	3	7.8	7.89			7.80	7.845	7.89
	Conductivity (uS/cm)			506	504			504.00	505.000	506.00
	Alkalinity as Calcium Carbonate (mg/L)			224	217			217.00	220.500	224.00
	Ammonia (N) (mg/L)			0.01	0.01			0.01	0.010	0.01
	Nitrate (N) (mg/L)			2.68	2.78			2.68	2.730	2.78
	B.O.D. (mg/L)			11	16			11.00	13.500	16.00
*	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, 5 September 2017						