

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

Data Last Updated on Thursday 26 September 2019

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	2018/2019				Lowest sample value	Mean of samples	Highest sample value
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP				4/12/18	6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	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
	Ammonia (N) (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
	Nitrate (N) (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
	B.O.D. (mg/L)			*	*	*	*	0.0	#DIV/0!	0.00
	Monitoring Location 3		No. of samples required by licence	No. of samples collected and analysed	2018/2019				Lowest sample value	Mean of samples
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP		4/12/18			6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	4	4	7.79	7.92	8.05	8.0	7.8	7.945	8.05
	Conductivity (uS/cm)			1270	1190	502	1170	502.0	1033.000	1270.00
	Alkalinity as Calcium Carbonate (mg/L)			391	423	268	361	268.0	360.750	423.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			1.73	1.8	4.8	2.0	1.7	2.583	4.80
	B.O.D. (mg/L)			39	7	9	15.0	7.0	17.500	39.00
	Monitoring Location 4		No. of samples required by licence	No. of samples collected and analysed	2018/2019				Lowest sample value	Mean of samples
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP		4/12/18			6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	4	4	8.05	8.06	7.99	8.1	8.0	8.050	8.10
	Conductivity (uS/cm)			501	506	515	508	501.0	507.500	515.00
	Alkalinity as Calcium Carbonate (mg/L)			232	264	262	227	227.0	246.250	264.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			3.15	4.11	4.19	3.81	3.2	3.815	4.19
	B.O.D. (mg/L)			18	5	17	9	5.0	12.250	18.00
	Monitoring Location 5		No. of samples required by licence	No. of samples collected and analysed	2018/2019				Lowest sample value	Mean of samples
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP		4/12/18			6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	4	4	8.05	8.1	7.76	8.21	7.76	8.030	8.21
	Conductivity (uS/cm)			518	515	1190	528	515.00	687.750	1190.00
	Alkalinity as Calcium Carbonate (mg/L)			246	273	407	239	239.00	291.250	407.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.57	4.17	2.05	4.37	2.05	3.540	4.37
	B.O.D. (mg/L)			14	8	16	7.00	7.00	11.250	16.00

Monitoring Location 1		No. of samples required by licence	No. of samples collected and analysed	2018/2019				Lowest sample value	Mean of samples	Highest sample value
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP				4/12/18	6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	4	4	7.97	8.03	7.99	8.48	7.97	8.118	8.48
	Conductivity (uS/cm)			543	539	561	534	534.00	544.250	561.00
	Alkalinity as Calcium Carbonate (mg/L)			211	229	225	197	197.00	215.500	229.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.2	0.10	0.125	0.20
	Nitrate (N) (mg/L)			3.34	4.37	3.92	4.2	3.34	3.948	4.37
	B.O.D. (mg/L)			18	4	9	4	4.00	8.750	18.00
Monitoring Location 2		No. of samples required by licence	No. of samples collected and analysed	2018/2019				Lowest sample value	Mean of samples	Highest sample value
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP				4/12/18	6/03/19	4/06/19	12/09/19			
EPA Analytes	pH (pH)	4		*	*	*	*	0.00	#DIV/0!	0.00
	Conductivity (uS/cm)			*	*	*	*	0.00	#DIV/0!	0.00
	Alkalinity as Calcium Carbonate (mg/L)			*	*	*	*	0.00	#DIV/0!	0.00
	Ammonia (N) (mg/L)			*	*	*	*	0.00	#DIV/0!	0.00
	Nitrate (N) (mg/L)			*	*	*	*	0.00	#DIV/0!	0.00
	B.O.D. (mg/L)			*	*	*	*	0.00	#DIV/0!	0.00
*	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, 3 December 2019						