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

Data Last Updated on Tuesday 15 September 2020

Monitoring Points		Number of samples required		Date Data was Obtained				Units of Measure		
Monitoring Location 6				2019/2020						
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP		No. of samples required by licence	No. of samples collected and analysed	3/12/19	3/03/20	3/06/20	3/09/20	Lowest sample value	Mean of samples	Highest sample value
EPA Analytes		4								
	pH (pH)			*	*	*	*	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				2019/2020						
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP		No. of samples required by licence	No. of samples collected and analysed	3/12/19	3/03/20	3/06/20	3/09/20	Lowest sample value	Mean of samples	Highest sample value
EPA Analytes		4	1							
	pH (pH)			7.94	7.69	8.1	7.9	7.7	7.905	8.10
	Conductivity (uS/cm)			1090	1120	1130	1060	1060.0	1100.000	1130.00
	Alkalinity as Calcium Carbonate (mg/L)			368	244	399	384	244.0	348.750	399.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			1.9	2.13	1.83	4.5	1.8	2.588	4.49
	B.O.D. (mg/L)			7	15	3	2.0	2.0	6.750	15.00
Monitoring Location 4				2019/2020						
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP		No. of samples required by licence	No. of samples collected and analysed	3/12/19	3/03/20	3/06/20	3/09/20	Lowest sample value	Mean of samples	Highest sample value
EPA Analytes		4	1							
	pH (pH)			8.01	7.97	8.23	8.07	8.0	8.070	8.23
	Conductivity (uS/cm)			479	508	527	601	479.0	528.750	601.00
	Alkalinity as Calcium Carbonate (mg/L)			229	218	261	309	218.0	254.250	309.00
	Ammonia (N) (mg/L)			0.1	3	0.1	0.1	0.1	0.825	3.00
	Nitrate (N) (mg/L)			3.66	3.81	3.38	4.38	3.4	3.808	4.38
	B.O.D. (mg/L)			4	3	2	2	2.0	2.750	4.00
Monitoring Location 5				2019/2020						
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP		No. of samples required by licence	No. of samples collected and analysed	3/12/19	3/03/20	3/06/20	3/09/20	Lowest sample value	Mean of samples	Highest sample value
EPA Analytes		4	1							
	pH (pH)			8.11	8	8.26	8.09	8.00	8.115	8.26
	Conductivity (uS/cm)			496	516	542	528	496.00	520.500	542.00
	Alkalinity as Calcium Carbonate (mg/L)			242	238	277	284	238.00	260.250	284.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.56	3.78	3.79	3.68	3.56	3.703	3.79
	B.O.D. (mg/L)			2	5	2	2.00	2.00	2.750	5.00

Monitoring Location 1 Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP		No. of samples required by licence	No. of samples collected and analysed	2019/2020				Lowest sample value	Mean of samples	Highest sample value
				3/12/19	3/03/20	3/06/20	3/09/20			
EPA Analytes		4	1							
	pH (pH)			8.08	8	8.26	8.09	8.00	8.108	8.26
	Conductivity (uS/cm)			496	535	564	538	496.00	533.250	564.00
	Alkalinity as Calcium Carbonate (mg/L)			208	198	236	244	198.00	221.500	244.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			4.09	4.24	4.2	4.2	4.09	4.178	4.24
	B.O.D. (mg/L)			2	2	3	2	2.00	2.250	3.00

Monitoring Location 2 Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP		No. of samples required by licence	No. of samples collected and analysed	2019/2020				Lowest sample value	Mean of samples	Highest sample value
				3/12/19	3/03/20	3/06/20	3/09/20			
EPA Analytes		4								
	pH (pH)			*	*	*	*	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, 1 December 2020**