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

Data Last Updated on Monday 17 September 2018

Monitoring Points		Number of samples required		Date Data was Obtained				Units of Measure		
Monitoring Location 6				2017/2018						
(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**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
EPA Analytes		4	1							
	pH (pH)			7.8	*	*	*	7.8	7.800	7.80
	Conductivity (uS/cm)			854	*	*	*	854.0	854.000	854.00
	Alkalinity as Calcium Carbonate (mg/L)			262	*	*	*	262.0	262.000	262.00
	Ammonia (N) (mg/L)			1	*	*	*	1.0	1.000	1.00
	Nitrate (N) (mg/L)			0.07	*	*	*	0.1	0.070	0.07
	B.O.D. (mg/L)			18	*	*	*	18.0	18.000	18.00
Monitoring Location 3				2017/2018						
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP		**No. of samples required by licence**	**No. of samples collected and analysed**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
EPA Analytes		4	4							
	pH (pH)			7.85	7.84	8.09	8.0	7.8	7.945	8.09
	Conductivity (uS/cm)			1290	1320	1330	1300	1290.0	1310.000	1330.00
	Alkalinity as Calcium Carbonate (mg/L)			464	446	391	389.0	389.0	422.500	464.00
	Ammonia (N) (mg/L)			0.1	1	0.1	0.2	0.1	0.350	1.00
	Nitrate (N) (mg/L)			2.2	1.94	1.83	1.7	1.7	1.923	2.20
	B.O.D. (mg/L)			3	3	4	10.0	3.0	5.000	10.00
Monitoring Location 4				2017/2018						
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP		**No. of samples required by licence**	**No. of samples collected and analysed**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
EPA Analytes		4	4							
	pH (pH)			7.93	8.04	8.3	8.19	7.9	8.115	8.30
	Conductivity (uS/cm)			689	531	516	5.5	5.5	435.375	689.00
	Alkalinity as Calcium Carbonate (mg/L)			380	272	230	228	228.0	277.500	380.00
	Ammonia (N) (mg/L)			0.1	1	0.1	0.2	0.1	0.350	1.00
	Nitrate (N) (mg/L)			5.31	3.99	3.79	3.81	3.8	4.225	5.31
	B.O.D. (mg/L)			3	2	4	5	2.0	3.500	5.00
Monitoring Location 5				2017/2018						
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP		**No. of samples required by licence**	**No. of samples collected and analysed**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
EPA Analytes		4	4							
	pH (pH)			8.01	8.03	8.32	8.22	8.01	8.145	8.32
	Conductivity (uS/cm)			594	551	535	523	523.00	550.750	594.00
	Alkalinity as Calcium Carbonate (mg/L)			311	290	240	239	239.00	270.000	311.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.10	0.10	0.100	0.10
	Nitrate (N) (mg/L)			5.59	4.08	3.95	3.89	3.89	4.378	5.59
	B.O.D. (mg/L)			2	2	2	3.00	2.00	2.250	3.00
Monitoring Location 1				2017/2018						
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP		**No. of samples required by licence**	**No. of samples collected and analysed**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
EPA Analytes		4	4							
	pH (pH)			8.01	7.99	8.21	8.05	7.99	8.065	8.21
	Conductivity (uS/cm)			511	535	535	536	511.00	529.250	536.00
	Alkalinity as Calcium Carbonate (mg/L)			253	232	201	202	201.00	222.000	253.00
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.2	0.10	0.125	0.20
	Nitrate (N) (mg/L)			3.54	3.39	3.45	3.7	3.39	3.508	3.65
	B.O.D. (mg/L)			3	4	3	81	3.00	22.750	81.00
Monitoring Location 2				2017/2018						
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP		**No. of samples required by licence**	**No. of samples collected and analysed**	21/12/17	6/03/18	6/06/18	4/09/18	**Lowest sample value**	**Mean of samples**	**Highest sample value**
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, 4 December 2018**