

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

Data Last Updated on Tuesday 15 September 2015

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	2014/2015				Lowest sample value	Mean of samples	Highest sample value
(Leachate Evaporation Dam) Easting 693651 Northing 5986237 Drawing No. C26-6 of LEMP				28/11/14	3/03/15	26/05/15	1/09/15			
EPA Analytes	B.O.D. (mg/L)	4	3	*	19	6	4	4.0	9.667	19.00
	Conductivity (uS/cm)			*	668	496	536	496.0	566.667	668.00
	Alkalinity as Calcium Carbonate (mg/L)			*	270	181	179	179.0	210.000	270.00
	pH (pH)			*	8	8.2	8	8.0	8.067	8.20
	Ammonia (N) (mg/L)			*	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			*	0.05	0.05	0.5	0.1	0.200	0.50
Monitoring Location 3		No. of samples required by licence	No. of samples collected and analysed	2014/2015				Lowest sample value	Mean of samples	Highest sample value
Bore 3 Easting 693544 Northing 5986307 Drawing No. C26-6 of LEMP				28/11/14	3/03/15	26/05/15	1/09/15			
EPA Analytes	B.O.D. (mg/L)	4	4	8	5	5	10.0	5.0	7.000	10.00
	Conductivity (uS/cm)			1250	1210	1220	1280	1210.0	1240.000	1280.00
	Alkalinity as Calcium Carbonate (mg/L)			378	345	357	375.0	345.0	363.750	378.00
	pH (pH)			7.98	7.63	7.78	7.9	7.6	7.818	7.98
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			1.76	2.29	1.97	1.7	1.7	1.928	2.29
Monitoring Location 4		No. of samples required by licence	No. of samples collected and analysed	2014/2015				Lowest sample value	Mean of samples	Highest sample value
Bore 4 Easting 693758 Northing 5986204 Drawing No. C26-6 of LEMP				28/11/14	3/03/15	26/05/15	1/09/15			
EPA Analytes	B.O.D. (mg/L)	4	4	8	4	2	4	2.0	4.500	8.00
	Conductivity (uS/cm)			494	480	510	482	480.0	491.500	510.00
	Alkalinity as Calcium Carbonate (mg/L)			226	203	215	215	203.0	214.750	226.00
	pH (pH)			8.16	7.81	8.01	8	7.8	7.995	8.16
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.1	0.100	0.10
	Nitrate (N) (mg/L)			3.66	3.78	3.96	3.92	3.7	3.830	3.96
Monitoring Location 5		No. of samples required by licence	No. of samples collected and analysed	2014/2015				Lowest sample value	Mean of samples	Highest sample value
Bore 5 Easting 693769 Northing 5986191 Drawing No. C26-6 of LEMP				28/11/14	3/03/15	26/05/15	1/09/15			
EPA Analytes	B.O.D. (mg/L)	4	4	7	2	2	4.00	2.00	3.750	7.00
	Conductivity (uS/cm)			500	483	485	519	483.00	496.750	519.00
	Alkalinity as Calcium Carbonate (mg/L)			232	212	215	218	212.00	219.250	232.00
	pH (pH)			8.24	7.88	7.99	7.85	7.85	7.990	8.24
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.10	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.73	3.78	3.72	4.96	3.72	4.048	4.96
Monitoring Location 1		No. of samples required by licence	No. of samples collected and analysed	2014/2015				Lowest sample value	Mean of samples	Highest sample value
Bore 1 Easting 694299 Northing 5985944 Drawing No. 98501/EO3 of LEMP				28/11/14	3/03/15	26/05/15	1/09/15			
EPA Analytes	B.O.D. (mg/L)	4	4	5	4	2	10	2.00	5.250	10.00
	Conductivity (uS/cm)			548	535	531	558	531.00	543.000	558.00
	Alkalinity as Calcium Carbonate (mg/L)			211	210	212	232	210.00	216.250	232.00
	pH (pH)			8.2	7.75	8.03	8.0	7.75	8.005	8.20
	Ammonia (N) (mg/L)			0.1	0.1	0.1	0.1	0.10	0.100	0.10
	Nitrate (N) (mg/L)			3.46	3.32	3.47	2.53	2.53	3.195	3.47
Monitoring Location 2		No. of samples required by licence	No. of samples collected and analysed	2014/2015				Lowest sample value	Mean of samples	Highest sample value
Bore 2 Easting 694076 Northing 5986150 Drawing No. 98501/EO3 of LEMP										
EPA Analytes	B.O.D. (mg/L)							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
	pH (pH)							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
* 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 2015						