Environmental Monitoring

Reporting Period: **01 October 2020 - 30 September 2021**

Mid-Western Regional Council - Mudgee Waste Facility
31 Blain Road, Caerleon, NSW, 2850
EPA Licence: **6348**
https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=6348&id=6348&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Monitoring Point **EPA 5.**
Monitoring Frequency **Special Frequency 1**

Pollutant	Limit 100 percentile	Units	Date Sampled: 29/12/2020	30/06/2021	No. of samples taken	Samples required by EPA	Minimum	Average	Maximum	Units14	Pollutant15
			WorkOrder: ME2002026	ME210167							
			Sampler: ALS	ALS							
			Results Received: 15/01/2021	1/07/2021							
			Published: 29/01/2021	14/07/2021							
pH		pH	6.5	7	2	2	6.5	6.75	7	pH	pH
Conductivity (Non Compensated)		µS/cm	14700	14800	2	2	14700	14750	14800	µS/cm	Conductivity (Non Compensated)
Total Dissolved Solids @180°C		mg/L	9350	10600	2	2	9350	9975	10600	mg/L	Total Dissolved Solids @180°C
Alkalinity as CaCO3		mg/L	678	793	2	2	678	735.5	793	mg/L	Alkalinity as CaCO3
Sulfate as SO4 - Turbidimetric		mg/L	55	16	2	2	16	35.5	55	mg/L	Sulfate as SO4 - Turbidimetric
Chloride		mg/L	4620	5000	2	2	4620	4810	5000	mg/L	Chloride
Calcium		mg/L	1140	962	2	2	962	1051	1140	mg/L	Calcium
Magnesium		mg/L	520	521	2	2	520	520.5	521	mg/L	Magnesium
Potassium		mg/L	10	10	2	2	10	10	10	mg/L	Potassium
Sodium		mg/L	1230	1250	2	2	1230	1240	1250	mg/L	Sodium
Aluminium		mg/L	0.22	0.09	2	2	0.09	0.155	0.22	mg/L	Aluminium
Arsenic		mg/L	0.006	0.002	2	2	0.002	0.004	0.006	mg/L	Arsenic
Barium		mg/L	0.923	0.919	2	2	0.919	0.921	0.923	mg/L	Barium
Cobalt		mg/L	0.004	<0.001	2	2	0.0005	0.00225	0.004	mg/L	Cobalt
Copper		mg/L	0.005	0.002	2	2	0.002	0.0035	0.005	mg/L	Copper
Iron		mg/L	8	0.87	2	2	0.87	4.435	8	mg/L	Iron
Lead		mg/L	0.009	0.001	2	2	0.001	0.005	0.009	mg/L	Lead
Manganese		mg/L	0.708	0.808	2	2	0.708	0.758	0.808	mg/L	Manganese
Zinc		mg/L	0.04	0.019	2	2	0.019	0.0295	0.04	mg/L	Zinc
Fluoride		mg/L	0.2	0.2	2	2	0.2	0.2	0.2	mg/L	Fluoride
Ammonia as N		mg/L	0.87	16.3	2	2	0.87	8.585	16.3	mg/L	Ammonia as N
Nitrate as N		mg/L	1.42	0.33	2	2	0.33	0.875	1.42	mg/L	Nitrate as N
Phosphorus as P (total)		mg/L	0.64	1.96	2	2	0.64	1.3	1.96	mg/L	Phosphorus as P (total)
Standing Water Level		As Appropriate	3.58	2.98						m	
Total Organic Carbon		mg/L	54	21	2	2	21	37.5	54	mg/L	Total Organic Carbon
Biochemical Oxygen Demand		mg/L	<2	6	2	2	1	3.5	6	mg/L	Biochemical Oxygen Demand
Total Phenols		mg/L	<0.05	0.12	2	2	0.025	0.0725	0.12	mg/L	Total Phenols
Total Petroleum Hydrocarbons		mg/L	0.025	0.2	2	2	0.025	0.1125	0.2	mg/L	Total Petroleum Hydrocarbons
Comments											