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 11.**
Monitoring Frequency **Special Frequency 1**

Pollutant	Limit 100 percentile	Units	Date Sampled: 29/12/2020	Date Sampled: 30/06/2021	No. of samples taken	Samples required by EPA	Minimum	Average	Maximum	Units14	Pollutant15
			WorkOrder: ME2002026	WorkOrder: ME2101067							
			Sampler: ALS	Sampler: ALS							
			Results Received: 15/01/2021	Results Received: 1/07/2021							
			Report Published: 29/01/2021	Report Published: 15/07/2021							
pH		pH	6.8	7.8	2	2	6.8	7.3	7.8	pH	pH
Conductivity (Non Compensated)		µS/cm	6630	3800	2	2	3800	5215	6630	µS/cm	Conductivity (Non Compensated)
Total Dissolved Solids @180°C		mg/L	4280	2370	2	2	2370	3325	4280	mg/L	Total Dissolved Solids @180°C
Alkalinity as CaCO3		mg/L	882	616	2	2	616	749	882	mg/L	Alkalinity as CaCO3
Sulfate as SO4 - Turbidimetric		mg/L	100	69	2	2	69	84.5	100	mg/L	Sulfate as SO4 - Turbidimetric
Chloride		mg/L	1680	900	2	2	900	1290	1680	mg/L	Chloride
Calcium		mg/L	362	103	2	2	103	232.5	362	mg/L	Calcium
Magnesium		mg/L	328	201	2	2	201	264.5	328	mg/L	Magnesium
Potassium		mg/L	3	3	2	2	3	3	3	mg/L	Potassium
Sodium		mg/L	630	415	2	2	415	522.5	630	mg/L	Sodium
Aluminium		mg/L	0.02	0.04	2	2	0.02	0.03	0.04	mg/L	Aluminium
Arsenic		mg/L	<0.001	<0.001	2	2	0.0005	0.0005	0.0005	mg/L	Arsenic
Barium		mg/L	0.35	0.46	2	2	0.35	0.405	0.46	mg/L	Barium
Cobalt		mg/L	<0.001	<0.001	2	2	0.0005	0.0005	0.0005	mg/L	Cobalt
Copper		mg/L	<0.001	0.004	2	2	0.0005	0.00225	0.004	mg/L	Copper
Iron		mg/L	0.17	0.35	2	2	0.17	0.26	0.35	mg/L	Iron
Lead		mg/L	<0.001	<0.001	2	2	0.0005	0.0005	0.0005	mg/L	Lead
Manganese		mg/L	0.113	0.04	2	2	0.04	0.0765	0.113	mg/L	Manganese
Zinc		mg/L	0.008	0.006	2	2	0.006	0.007	0.008	mg/L	Zinc
Fluoride		mg/L	0.4	0.9	2	2	0.4	0.65	0.9	mg/L	Fluoride
Ammonia as N		mg/L	0.02	0.02	2	2	0.02	0.02	0.02	mg/L	Ammonia as N
Nitrate as N		mg/L	1.61	0.2	2	2	0.2	0.905	1.61	mg/L	Nitrate as N
Phosphorus as P (total)		mg/L	0.02	0.03	2	2	0.02	0.025	0.03	mg/L	Phosphorus as P (total)
Standing Water Level		As Appropriate	1.99	1.18							
Total Organic Carbon		mg/L	1	15	2	2	1	8	15	mg/L	Total Organic Carbon
Biochemical Oxygen Demand		mg/L	<2	<2	2	2	1	1	1	mg/L	Biochemical Oxygen Demand
Total Phenols		mg/L	<0.05	<0.05	2	2	0.025	0.025	0.025	mg/L	Total Phenols
Total Petroleum Hydrocarbons		mg/L	0.025	0.025	2	2	0.025	0.025	0.025	mg/L	Total Petroleum Hydrocarbons
Comments											