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 13.**
Monitoring Frequency **Special Frequency 1**

			Date Sampled:	29/12/2020	30/06/2021						
			WorkOrder:	ME2002026	ME2101067						
			Sampler:	ALS	ALS						
			Results Received:	15/01/2021	9/07/2021						
Pollutant	Limit 100 percentile	Units	Report Published:	29/01/2021	15/07/2021	No. of samples taken	Samples required by EPA	Minimum	Average	Maximum	Units14	Pollutant15
pH		pH		7.2	7.4	2	2	7.2	7.3	7.4	pH	pH
Conductivity (Non Compensated)		µS/cm		4310	6890	2	2	4310	5600	6890	µS/cm	Conductivity (Non Compensated)
Total Dissolved Solids @180°C		mg/L		2190	4380	2	2	2190	3285	4380	mg/L	Total Dissolved Solids @180°C
Alkalinity as CaCO3		mg/L		905	763	2	2	763	834	905	mg/L	Alkalinity as CaCO3
Sulfate as SO4 - Turbidimetric		mg/L		10	80	2	2	10	45	80	mg/L	Sulfate as SO4 - Turbidimetric
Chloride		mg/L		948	1750	2	2	948	1349	1750	mg/L	Chloride
Calcium		mg/L		141	215	2	2	141	178	215	mg/L	Calcium
Magnesium		mg/L		138	312	2	2	138	225	312	mg/L	Magnesium
Potassium		mg/L		4	4	2	2	4	4	4	mg/L	Potassium
Sodium		mg/L		644	818	2	2	644	731	818	mg/L	Sodium
Aluminium		mg/L		0.1	0.13	2	2	0.1	0.115	0.13	mg/L	Aluminium
Arsenic		mg/L		0.001	<0.001	2	2	0.0005	0.00075	0.001	mg/L	Arsenic
Barium		mg/L		0.676	1.08	2	2	0.676	0.878	1.08	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	0.003	2	2	0.0005	0.00175	0.003	mg/L	Copper
Iron		mg/L		13.4	2.76	2	2	2.76	8.08	13.4	mg/L	Iron
Lead		mg/L		0.002	0.003	2	2	0.002	0.0025	0.003	mg/L	Lead
Manganese		mg/L		4.62	3.67	2	2	3.67	4.145	4.62	mg/L	Manganese
Zinc		mg/L		0.026	0.037	2	2	0.026	0.0315	0.037	mg/L	Zinc
Fluoride		mg/L		0.5	0.5	2	2	0.5	0.5	0.5	mg/L	Fluoride
Ammonia as N		mg/L		0.1	0.06	2	2	0.06	0.08	0.1	mg/L	Ammonia as N
Nitrate as N		mg/L		0.01	0.02	2	2	0.01	0.015	0.02	mg/L	Nitrate as N
Phosphorus as P (total)		mg/L		0.06	0.08	2	2	0.06	0.07	0.08	mg/L	Phosphorus as P (total)
Standing Water Level		As Appropriate		5.33	4.54							
Total Organic Carbon		mg/L		3	5	2	2	3	4	5	mg/L	Total Organic Carbon
Biochemical Oxygen Demand		mg/L		2	<2	2	2	1	1.5	2	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												