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 3.**
Monitoring Frequency **Special Frequency 1**

			Date sampled:	29/12/2021	30/06/2021							
			WorkOrder:	ME2002026	ME2101067							
			Sampler:	ALS	ALS							
			Results Received:	15/01/2021	9/07/2021							
Pollutant	Limit 100 percentile	Units	Published:		14/07/2021	No. of samples taken	Samples required by EPA	Minimum	Average	Maximum	Units14	Pollutant15
pH		pH		7.6	7.3	2	2	7.3	7.45	7.6	pH	pH
Conductivity (Non Compensated)		µS/cm		1080	934	2	2	934	1007	1080	µS/cm	Conductivity (Non Compensated)
Total Dissolved Solids @180°C		mg/L		718	600	2	2	600	659	718	mg/L	Total Dissolved Solids @180°C
Alkalinity as CaCO3		mg/L		521	521	2	2	521	521	521	mg/L	Alkalinity as CaCO3
Sulfate as SO4 - Turbidimetric		mg/L		40	<1	2	2	0.5	20.25	40	mg/L	Sulfate as SO4 - Turbidimetric
Chloride		mg/L		25	29	2	2	25	27	29	mg/L	Chloride
Calcium		mg/L		38	46	2	2	38	42	46	mg/L	Calcium
Magnesium		mg/L		3	6	2	2	3	4.5	6	mg/L	Magnesium
Potassium		mg/L		50	39	2	2	39	44.5	50	mg/L	Potassium
Sodium		mg/L		217	163	2	2	163	190	217	mg/L	Sodium
Aluminium		mg/L		0.95	0.41	2	2	0.41	0.68	0.95	mg/L	Aluminium
Arsenic		mg/L		0.002	0.001	2	2	0.001	0.0015	0.002	mg/L	Arsenic
Barium		mg/L		0.247	0.595	2	2	0.247	0.421	0.595	mg/L	Barium
Cobalt		mg/L		0.004	0.002	2	2	0.002	0.003	0.004	mg/L	Cobalt
Copper		mg/L		0.022	0.009	2	2	0.009	0.0155	0.022	mg/L	Copper
Iron		mg/L		4.39	12.5	2	2	4.39	8.445	12.5	mg/L	Iron
Lead		mg/L		0.012	0.013	2	2	0.012	0.0125	0.013	mg/L	Lead
Manganese		mg/L		0.127	0.182	2	2	0.127	0.1545	0.182	mg/L	Manganese
Zinc		mg/L		0.11	0.128	2	2	0.11	0.119	0.128	mg/L	Zinc
Fluoride		mg/L		0.2	0.1	2	2	0.1	0.15	0.2	mg/L	Fluoride
Ammonia as N		mg/L		0.13	0.94	2	2	0.13	0.535	0.94	mg/L	Ammonia as N
Nitrate as N		mg/L		<0.01	0.02	2	2	0.005	0.0125	0.02	mg/L	Nitrate as N
Phosphorus as P (total)		mg/L		0.71	1.59	2	2	0.71	1.15	1.59	mg/L	Phosphorus as P (total)
Standing Water Level		As Appropriate		6.29	5.59	2					m	
Total Organic Carbon		mg/L		34	22	2	2	22	28	34	mg/L	Total Organic Carbon
Biochemical Oxygen Demand		mg/L		26	8	2	2	8	17	26	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	230	2	2	0.025	115.0125	230	mg/L	Total Petroleum Hydrocarbons
Comments												