Environmental Monitoring Reporting Period: **01 October 2021 - 30 September 2022**

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 1.**
Monitoring Frequency **Monthly during discharge**

			Date sampled:	28/10/2021	9/11/2021	30/11/2021	7/12/2021	29/12/2021	13/01/2022	27/01/2022	9/02/2022	28/02/2022	9/03/2022						
			WorkOrder:	ME2101775	ME2101838	ME2102024	ME2102024	ME2102140001	ME2200077001	ME2200149	ME2200230	ME2200343001	ME2200410						
			Sampler:	ALS	MWRC	ALS	MWRC	ALS	MWRC	ALS	MWRC	ALS	MWRC						
			Results Received:	4/11/2021	16/11/2021	8/12/2021	14/12/2021	10/01/2021	20/01/2022	3/02/2022	17/02/2022	8/03/2022	16/03/2022						
			Published:	N/A	N/A	15/12/2021	15/12/2021	18/01/2022	24/01/2022	N/A	22/02/2022	9/03/2022	16/03/2022						
Pollutant	Limit 100 percentile	Units	Comments		Discharging	Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging		No. of samples taken	Samples required by EPA	Minimum	Average	Maximum
pH	6.5 - 8.5	pH		4.7	7.8	7.5	8.2	7.9	7.8	8.3	7.9	8.2	7.8		10	Monthly during discharge	4.700	7.610	8.300
Conductivity (Non Compensated)		µS/cm		1230	1070	910	986	999	726	724	691	741	539		10	Monthly during discharge	539.000	861.600	1230.000
Total Dissolved Solids		mg/L		891	730	612	700	659	435	524	502	534	450		10	Monthly during discharge	435.000	603.700	891.000
Total Suspended Solids	50	mg/L		10	24	33	25	6	20	20	9	42	324		10	Monthly during discharge	6.000	51.300	324.000
Alkalinity as CaCO3		mg/L		4	23	158	134	164	125	140	166	176	136		10	Monthly during discharge	4.000	122.600	176.000
Sulfate as SO4 - Turbidimetric		mg/L		548	446	188	192	217	150	139	118	128	87		10	Monthly during discharge	87.000	221.300	548.000
Chloride		mg/L		61	50	76	93	87	51	53	51	64	36		10	Monthly during discharge	36.000	62.200	93.000
Calcium		mg/L		126	106	64	72	71	53	58	61	64	45		10	Monthly during discharge	45.000	72.000	126.000
Magnesium		mg/L		36	30	27	32	29	19	22	21	23	16		10	Monthly during discharge	16.000	25.500	36.000
Sodium		mg/L		52	46	64	72	68	43	46	43	49	30		10	Monthly during discharge	30.000	51.300	72.000
Potassium		mg/L		37	32	32	36	34	24	26	26	28	27		10	Monthly during discharge	24.000	30.200	37.000
Aluminium		mg/L		3.04	0.5	0.68	0.86	0.72	0.4	0.34	0.35	0.79	9.8		10	Monthly during discharge	0.340	1.748	9.800
Arsenic		mg/L		<0.001	0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.004	0.004		10	Monthly during discharge	0.001	0.027	0.005
Barium		mg/L		0.102	0.098	0.092	0.098	0.128	0.093	0.098	0.098	0.127	0.134		10	Monthly during discharge	0.092	0.107	0.134
Cobalt		mg/L		0.012	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.002	0.008		10	Monthly during discharge	0.002	0.006	0.012
Copper		mg/L		<0.001	0.006	<0.001	0.006	0.003	0.004	0.002	0.003	0.004	0.012		10	Monthly during discharge	0.002	0.050	0.012
Manganese		mg/L		1.75	1.32	0.369	0.388	0.743	0.441	0.423	0.286	0.729	0.297		10	Monthly during discharge	0.286	0.675	1.750
Lead		mg/L		<0.001	<0.001	0.001	0.002	0.002	0.001	<0.001	<0.001	0.003	0.014		10	Monthly during discharge	0.001	0.043	0.014
Zinc		mg/L		0.036	0.008	0.015	0.013	0.007	0.01	<0.005	0.008	0.008	0.06		10	Monthly during discharge	0.007	0.018	0.060
Iron		mg/L		0.38	0.4	0.55	0.73	0.76	0.2	0.29	0.33	1.04	6.73		10	Monthly during discharge	0.200	1.141	6.730
Fluoride		mg/L		0.3	0.2	0.3	0.2	0.4	0.5	0.5	0.6	0.7	0.6		10	Monthly during discharge	0.200	4.300	0.700
Ammonia as N		mg/L		0.28	<0.01	2.32	1.34	1.68	0.41	0.31	0.36	0.8	0.34		10	Monthly during discharge	0.280	0.871	2.320
Nitrate		mg/L		0.29	0.4	1.46	1.13	0.04	0.45	0.11	0.03	<0.01	0.57		10	Monthly during discharge	0.030	0.498	1.460
Phosphorus		mg/L		0.03	0.11	0.15	0.14	0.08	0.2	0.06	0.07	0.22	0.72		10	Monthly during discharge	0.030	0.178	0.720
Total Organic Carbon		mg/L		7	9	27	28	29	21	24	19	22	21		10	Monthly during discharge	7.000	20.700	29.000
Biochemical Oxygen Demand		mg/L		<2	5	4	7	4	4	3	<2	3	4		10	Monthly during discharge	1.000	36.000	7.000
Total Phenols		mg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		10	Monthly during discharge	0.001	0.010	0.001
Total Petroleum Hydrocarbons		mg/L		0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0	10	Monthly during discharge	0.025	0.250	0.025
Comments				Not Discharging	Discharging	Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Rain event - discharging and pumping. Pumping ceased when results received						