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**

Pollutant	Limit 100 percentile	Units	Comments																											
			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	24/03/2022	28/03/2022	8/04/2022	21/04/2022	26/05/2022	14/06/2022	22/06/2022	13/07/2022	3/08/20222								
			WorkOrder:	ME2101775	ME2101838	ME2102024	ME2102024	ME2102140001	ME2200077001	ME2200149	ME2200230	ME2200343001	ME2200410	ME2200502	ME2200489001	ME2200592	ME2200650	ME2200845	ME2200960	ME2201011	ME2201148	ME2201263001								
			Sampler:	ALS	MWRC	ALS	MWRC	ALS	MWRC	ALS	MWRC	ALS	MWRC	MWRC	ALS	MWRC	ALS	ALS	ALS	ALS	MWRC	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	4/04/2022	6/04/2022	20/04/2022	28/04/2022	6/06/2022	22/06/2022	1/07/2022	20/07/2022	11/08/2022								
			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	6/04/2022	N/A	N/A	N/A	N/A	N/A	5/07/2022	1/08/2022	15/08/2022								
				not discharging	Discharging	Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging		Not Discharging	Not Discharging	Not Discharging	Not Discharging	Not Discharging	Not Discharing	Discharging	Discharging				No. of samples taken	Samples measured 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	8	7.5	8	7.9	7.8	7.9	7.9	8.1	8				22	Monthly during discharge	4.700	7.747	8.300
Conductivity (Non Compensated)		µS/cm		1230	1070	910	986	999	726	724	691	741	539	606	660	696	782	1120	972	995	1050	1120				22	Monthly during discharge	539.000	874.579	1230.000
Total Dissolved Solids		mg/L		891	730	612	700	659	435	524	502	534	450	476	492	505	463	724	722	691	694	710				22	Monthly during discharge	435.000	606.000	891.000
Total Suspended Solids	50	mg/L		10	24	33	25	6	20	20	9	42	324	324	53	54	12	17	8	5	50	7				22	Monthly during discharge	5.000	54.895	324.000
Alkalinity as CaCO3		mg/L		4	23	158	134	164	125	140	166	176	136	99	107	153	177	271	225	196	252	248				22	Monthly during discharge	4.000	155.474	271.000
Sulfate as SO4 - Turbidimetric		mg/L		548	446	188	192	217	150	139	118	128	87	118	116	116	110	99	114	105	102	108				22	Monthly during discharge	87.000	168.474	548.000
Chloride		mg/L		61	50	76	93	87	51	53	51	64	36	35	41	57	67	130	106	100	118	129				22	Monthly during discharge	35.000	73.947	130.000
Calcium		mg/L		126	106	64	72	71	53	58	61	64	45	54	55	62	51	67	60	55	51	70				22	Monthly during discharge	45.000	65.526	126.000
Magnesium		mg/L		36	30	27	32	29	19	22	21	23	16	14	18	21	20	32	29	28	26	31				22	Monthly during discharge	14.000	24.947	36.000
Sodium		mg/L		52	46	64	72	68	43	46	43	49	30	28	35	35	44	99	80	76	77	90				22	Monthly during discharge	28.000	56.684	99.000
Potassium		mg/L		37	32	32	36	34	24	26	26	28	27	26	33	39	32	49	43	43	45	49				22	Monthly during discharge	24.000	34.789	49.000
Aluminium		mg/L		3.04	0.5	0.68	0.86	0.72	0.4	0.34	0.35	0.79	9.8	3.27	1.96	1.71	1.3	1.18	2.13	2.76	2.32	1.37				22	Monthly during discharge	0.340	1.867	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	0.003	0.003	0.004	0.003	0.004	0.003	0.004	0.004	0.003				19	Monthly during discharge	0.001	0.019	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	0.123	0.101	0.099	0.091	0.117	0.115	0.14	0.101	0.116				22	Monthly during discharge	0.091	0.109	0.140
Cobalt		mg/L		0.012	0.007	0.006	0.006	0.005	0.004	0.003	0.002	0.002	0.008	0.005	0.003	0.004	0.003	0.005	0.004	0.006	0.004	0.004				22	Monthly during discharge	0.002	0.005	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	0.009	0.005	0.006	0.004	0.006	0.005	0.009	0.008	0.01				19	Monthly during discharge	0.002	0.037	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	0.278	0.278	0.409	0.387	0.511	0.44	0.564	0.184	0.257				22	Monthly during discharge	0.184	0.529	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	0.01	0.003	0.006	0.004	0.004	0.005	0.007	0.005	0.003				19	Monthly during discharge	0.001	0.030	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	0.036	0.016	0.053	0.018	0.21	0.022	0.026	0.03	0.025				19	Monthly during discharge	0.007	0.033	0.210
Iron		mg/L		0.38	0.4	0.55	0.73	0.76	0.2	0.29	0.33	1.04	6.73	4.29	2.37	1.68	1.76	1.59	3.06	4.62	3.05	1.58				22	Monthly during discharge	0.200	1.864	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	0.4	0.5	0.6	0.6	0.4	0.5	0.5	0.3	0.4				19	Monthly during discharge	0.200	2.833	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	0.69	0.72	0.81	1.24	3.88	3.33	3.33	3.76	3.05				19	Monthly during discharge	0.280	1.592	3.880
Nitrate		mg/L		0.29	0.4	1.46	1.13	0.04	0.45	0.11	0.03	<0.01	0.57	0.57	0.52	0.3	0.25	0.49	0.51	0.41	3.05	3.05				19	Monthly during discharge	0.030	0.757	3.050
Phosphorus		mg/L		0.03	0.11	0.15	0.14	0.08	0.2	0.06	0.07	0.22	0.72	0.5	0.36	0.29	0.33	0.55	0.24	0.31	0.35	0.2				22	Monthly during discharge	0.030	0.258	0.720
Total Organic Carbon		mg/L		7	9	27	28	29	21	24	19	22	21	21	21	22	26	43	34	34	51	46				22	Monthly during discharge	7.000	26.579	51.000
Biochemical Oxygen Demand		mg/L		<2	5	4	7	4	4	3	<2	3	4	3	<2	8	2	2	4	3	6	6				19	Monthly during discharge	1.000	23.667	8.000
Total Phenols		mg/L		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05				19	Monthly during discharge	0.001	0.006	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	0.025	0.025	0.025	0.62	0.025	0.025	0.025	0.025	<50	0	0	0	19	Monthly during discharge	0.025	0.348	0.620
Comments				Not Discharging	Discharging	Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Rain event - discharging and pumping. Pumping ceased when results received	Restest	Not Discharging	Not Discharging	Not Discharging	Not Discharging	Not Discharging		Discharging	Discharging								

Flocked 400L
22/3/22