



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=POE%20licence&prp=no&status=issued>

Monitoring Point: EPA 1  
 Monitoring Frequency: Monthly during discharge

Date sampled	28/10/2020	30/10/2020	4/11/2020	30/11/2020	30/12/2020	14/01/2021	8/02/2021	25/02/2021	9/03/2021	23/03/2021	31/03/2021	1/04/2021	29/04/2021	27/05/2021	4/06/2021	30/06/2021	28/07/2021	25/08/2021	30/08/2021	7/09/2021	30/09/2021
Workorder	ME2001719	ME2001733	ME2001763	ME2001875	ME2002026	ME2100070	ME2100139	ME2100328	ME2100405	ME2100492	ME2100555	ME2100565	ME2100718	ME2100880	ME2100935	ME2101067	ME2101224	ME2101376	ME2101399	ME2101448	ME2101599
Sampler	ALS	MWRC	MWRC	ALS	ALS	MWRC	ALS	ALS	MWRC	MWRC	ALS	MWRC	ALS	ALS	MWRC	ALS	ALS	MWRC	ALS	MWRC	ALS
Date results received	4/11/2020	9/11/2020	11/11/2020	7/12/2020	15/01/2021	21/01/2021	27/01/2021	4/03/2021	16/03/2021	30/03/2021	12/04/2021	13/04/2021	6/05/2021	3/06/2021	15/06/2021	1/07/2021	4/08/2021	1/09/2021	7/09/2021	14/09/2021	7/10/2021
Date published	12/11/2020	12/11/2020	12/11/2020	8/12/2020	19/01/2021	28/01/2021	8/02/2021	5/03/2021	17/03/2021	31/03/2021	N/A	14/04/2021	10/05/2021	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	7.6	7.8	7.7	9.3	8.9	7.2	10	9.1	7.6	7.9	7.8	7.7	9.4	8.2	8.1	7.9	8.2	7.4	7.4	6.6	8.2
Conductivity (Non Compensated)	725	741	783	648	428	599	652	626	681	664	819	819	758	697	617	938	1240	1190	1220	1200	1200
Total Dissolved Solids	618	582	565	464	321	497	475	454	448	570	752	642	568	572	529	726	1020	784	962	870	852
Total Suspended Solids	38	10	3	63	438	36	53	48	28	52	36	28	110	11	130	6	7	12	10	7	47
Alkalinity as CaCO3	165	178	183	205	129	123	123	186	205	156	202	199	175	218	180	164	96	75	72	38	50
Sulfate as SO4 - Turbidimetric	124	134	141	70	38	98	102	73	69	28	92	76	113	78	71	227	460	434	440	463	447
Chloride	50	61	58	47	37	51	56	53	50	56	66	67	68	55	50	59	64	58	68	51	60
Calcium	70	62	69	54	38	59	48	50	57	43	60	60	50	56	45	94	128	112	112	124	121
Magnesium	18	17	18	17	12	13	13	15	17	16	21	21	22	19	16	25	40	38	36	37	37
Potassium	41	41	41	35	32	39	42	42	43	69	78	69	65	44	44	47	43	42	41	41	40
Sodium	43	43	43	41	35	39	43	38	40	36	50	45	51	37	34	47	56	52	49	51	51
Aluminium	2.82	1.96	1.22	1.42	6.56	0.22	0.04	0.15	0.07	0.85	3.41	2.77	1.56	0.64	5.88	2.38	0.37	0.76	0.36	0.51	0.87
Arsenic	0.006	0.006	0.006	0.008	0.007	0.005	0.004	0.005	0.005	0.006	0.007	0.006	0.006	0.004	0.006	0.004	<0.001	<0.001	0.001	<0.001	0.001
Barium	0.09	0.082	0.084	0.124	0.122	0.042	0.054	0.056	0.071	0.084	0.113	0.09	0.079	0.104	0.114	0.086	0.091	0.076	0.081	0.085	0.091
Cobalt	0.003	0.003	0.002	0.003	0.006	0.002	<0.001	0.001	0.001	0.002	0.004	0.003	0.004	0.004	0.005	0.002	0.009	0.007	0.009	0.013	0.004
Copper	0.007	0.007	0.005	0.004	0.014	0.005	<0.001	0.002	0.002	0.01	0.011	0.008	0.002	0.004	0.011	0.006	0.003	0.004	0.001	0.001	0.002
Iron	3.36	2.44	1.7	1.78	6.09	0.33	0.09	0.18	0.55	0.78	3.92	3.28	1.6	1.33	6.74	2.49	0.22	0.17	0.09	0.07	0.41
Lead	0.007	0.007	0.004	0.006	0.018	0.001	<0.001	<0.001	<0.001	0.007	0.006	0.006	0.003	0.007	0.015	0.004	<0.001	<0.001	<0.001	<0.001	0.002
Manganese	0.197	0.153	0.282	0.42	0.246	0.1	0.049	0.163	0.358	0.137	0.198	0.187	0.403	0.665	0.389	266	1.14	0.53	0.797	1.09	1.02
Zinc	0.037	0.032	0.02	0.018	0.091	0.041	0.006	0.008	0.038	0.066	0.059	0.047	0.011	0.032	0.067	0.023	0.058	0.015	0.02	0.038	0.013
Fluoride	<0.1	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.3
Ammonia as N	1.48	1.23	1.42	0.02	0.24	0.04	0.03	0.04	0.05	0.38	1.21	1.22	0.04	3.18	1.65	1.64	0.73	0.06	0.06	0.14	0.01
Nitrate	0.39	0.38	0.2	<0.01	1.44	0.05	<0.01	<0.01	<0.01	5.18	3.56	3.39	<0.01	0.06	2.36	2.83	1.7	1.27	1.02	1.07	0.16
Phosphorus Total Organic Carbon	0.77	0.86	0.85	0.69	1.43	0.64	0.5	0.76	0.25	1.08	1.25	1.25	0.79	0.57	1.35	0.68	0.07	0.05	0.04	0.04	0.11
Biochemical Oxygen Demand	28	28	35	32	25	64	58	38	40	44	35	42	37	19	45	28	15	16	14	11	3
Total Phenolics	<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	<0.05	<0.05
Total Petroleum Hydrocarbons	0.025	0.025	0.025	0.025	0.025	0.29	0.026	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	0.025
Comments	Not Discharging	Discharging	Discharging	Not Discharging	Not Discharging	Discharging	Not Discharging	Not Discharging	Discharging	Discharging	Not Discharging	Discharging	Not Discharging	Not Discharging	Discharging	Not Discharging	Not Discharging	Discharging	Not Discharging	Discharging	Not Discharging

Pollutant	Limit 100 per centile	Units
pH	6.5 - 8.5	pH
Conductivity (Non Compensated)		µS/cm
Total Dissolved Solids		mg/L
Total Suspended Solids	50	mg/L
Alkalinity as CaCO3		mg/L
Sulfate as SO4 - Turbidimetric		mg/L
Chloride		mg/L
Calcium		mg/L
Magnesium		mg/L
Potassium		mg/L
Sodium		mg/L
Aluminium		mg/L
Arsenic		mg/L
Barium		mg/L
Cobalt		mg/L
Copper		mg/L
Iron		mg/L
Lead		mg/L
Manganese		mg/L
Zinc		mg/L
Fluoride		mg/L
Ammonia as N		mg/L
Nitrate		mg/L
Phosphorus Total Organic Carbon		mg/L
Biochemical Oxygen Demand		mg/L
Total Phenolics		mg/L
Total Petroleum Hydrocarbons		mg/L