Eraring Power Station - EPA Licence 1429
Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data June 2026



Compliance Summary:

Were all EPL monitoring limits met	Yes

Details of Non- compliances

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Analyte	Reading	Units	Licence Limit	Date	Comments

EPL1429 Environment Protection Licence monitoring locations are shown here
https://www.originenergy.com.au/wp-content/uploads/3/Eraring_Power_Station_EPL_Monitoring_Locations_Map.pdf

Unit 1 Boiler Continuous Emission Monitoring Summary

EPA Identification no.3 - Air emissions monitoring, Boiler 1 stack discharge to air
Unit 1 offline 7-14 & 25-30 June 2026

	Nox			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average
1/06/2026	466	550	390	664	795	588
2/06/2026	415	477	374	779	889	619
3/06/2026	379	459	312	773	877	598
4/06/2026	362	419	320	809	940	649
5/06/2026	406	489	325	789	904	619
6/06/2026	410	509	344	777	916	648
7/06/2026	-	-	-	-	-	-
8/06/2026	-	-	-	-	-	-
9/06/2026	-	-	-	-	-	-
10/06/2026	-	-	-	-	-	-
11/06/2026	-	-	-	-	-	-
12/06/2026	-	-	-	-	-	-
13/06/2026	-	-	-	-	-	-
14/06/2026	-	-	-	-	-	-
15/06/2026	458	502	409	794	860	749
16/06/2026	368	472	297	721	833	598
17/06/2026	317	385	258	768	849	580
18/06/2026	334	410	274	735	818	611
19/06/2026	364	390	326	810	911	655
20/06/2026	381	449	289	764	868	641
21/06/2026	431	494	344	742	879	608
22/06/2026	434	497	364	749	875	589
23/06/2026	442	486	330	736	809	578
24/06/2026	362	405	320	784	841	727
25/06/2026	-	-	-	-	-	-
26/06/2026	-	-	-	-	-	-
27/06/2026	-	-	-	-	-	-
28/06/2026	-	-	-	-	-	-
29/06/2026	-	-	-	-	-	-
30/06/2026	-	-	-	-	-	-

Unit 2 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 4 - Air emissions monitoring, Boiler 2 stack discharge to air

Unit 2 offline 26-30 June 2026

	NOx			SO_2		
	mg/Nm³ (7% O_2)			mg/Nm³ (7% O_2)		
	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average
1/06/2026	391	418	335	522	702	409
2/06/2026	413	442	382	549	764	513
3/06/2026	372	460	314	533	753	440
4/06/2026	298	429	246	541	785	492
5/06/2026	316	377	269	558	798	509
6/06/2026	370	430	273	541	797	474
7/06/2026	415	480	367	537	689	493
8/06/2026	374	426	337	553	778	513
9/06/2026	369	440	311	561	738	509
10/06/2026	305	379	237	552	800	489
11/06/2026	345	448	254	564	790	516
12/06/2026	358	437	312	545	691	492
13/06/2026	314	400	251	560	725	457
14/06/2026	357	397	260	581	745	528
15/06/2026	352	405	306	553	745	427
16/06/2026	333	434	273	592	781	520
17/06/2026	323	459	257	539	687	477
18/06/2026	369	445	265	552	736	486
19/06/2026	325	387	252	588	776	524
20/06/2026	372	463	255	545	724	480
21/06/2026	436	462	385	522	652	467
22/06/2026	352	478	246	567	712	502
23/06/2026	237	326	213	515	696	459
24/06/2026	241	329	214	510	700	442
25/06/2026	238	332	197	448	607	302
26/06/2026	-	-	-	-	-	-
27/06/2026	-	-	-	-	-	-
28/06/2026	-	-	-	-	-	-
29/06/2026	-	-	-	-	-	-
30/06/2026	-	-	-	-	-	-

Unit 3 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 5 - Air emissions monitoring, Boiler 3 stack discharge to air

Unit 3 offline 12-21 June 2026

NOx Unit offline 7-9 June 2026

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average
1/06/2026	331	399	269	721	846	631
2/06/2026	358	453	280	846	1037	685
3/06/2026	397	481	314	904	1045	782
4/06/2026	355	392	287	971	1093	778
5/06/2026	341	436	286	856	1035	759
6/06/2026	388	388	388	898	991	763
7/06/2026	-	-	-	888	931	654
8/06/2026	-	-	-	930	996	713
9/06/2026	-	-	-	886	948	784
10/06/2026	351	410	312	854	908	766
11/06/2026	403	536	362	858	917	772
12/06/2026	-	-	-	-	-	-
13/06/2026	-	-	-	-	-	-
14/06/2026	-	-	-	-	-	-
15/06/2026	-	-	-	-	-	-
16/06/2026	-	-	-	-	-	-
17/06/2026	-	-	-	-	-	-
18/06/2026	-	-	-	-	-	-
19/06/2026	-	-	-	-	-	-
20/06/2026	-	-	-	-	-	-
21/06/2026	-	-	-	-	-	-
22/06/2026	345	417	285	821	853	724
23/06/2026	406	514	334	760	914	639
24/06/2026	401	493	343	733	849	634
25/06/2026	337	386	270	734	803	570
26/06/2026	369	408	261	733	826	690
27/06/2026	344	395	286	865	994	740
28/06/2026	394	453	300	847	887	810
29/06/2026	399	437	294	949	1091	828
30/06/2026	372	421	289	912	1034	853

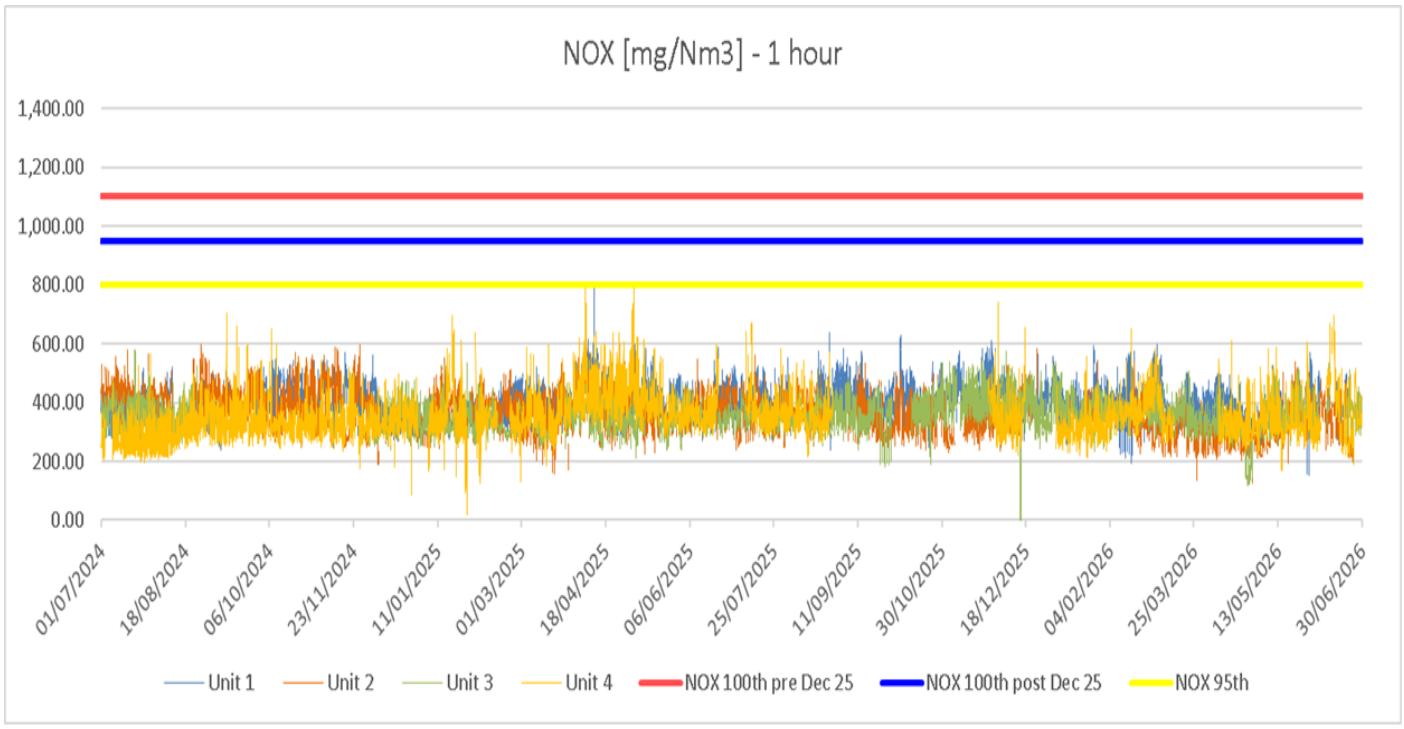
Unit 4 Boiler Continuous Emission Monitoring Summary -

EPA Identification no. 6 - Air emissions monitoring, Boiler 4 stack discharge to air

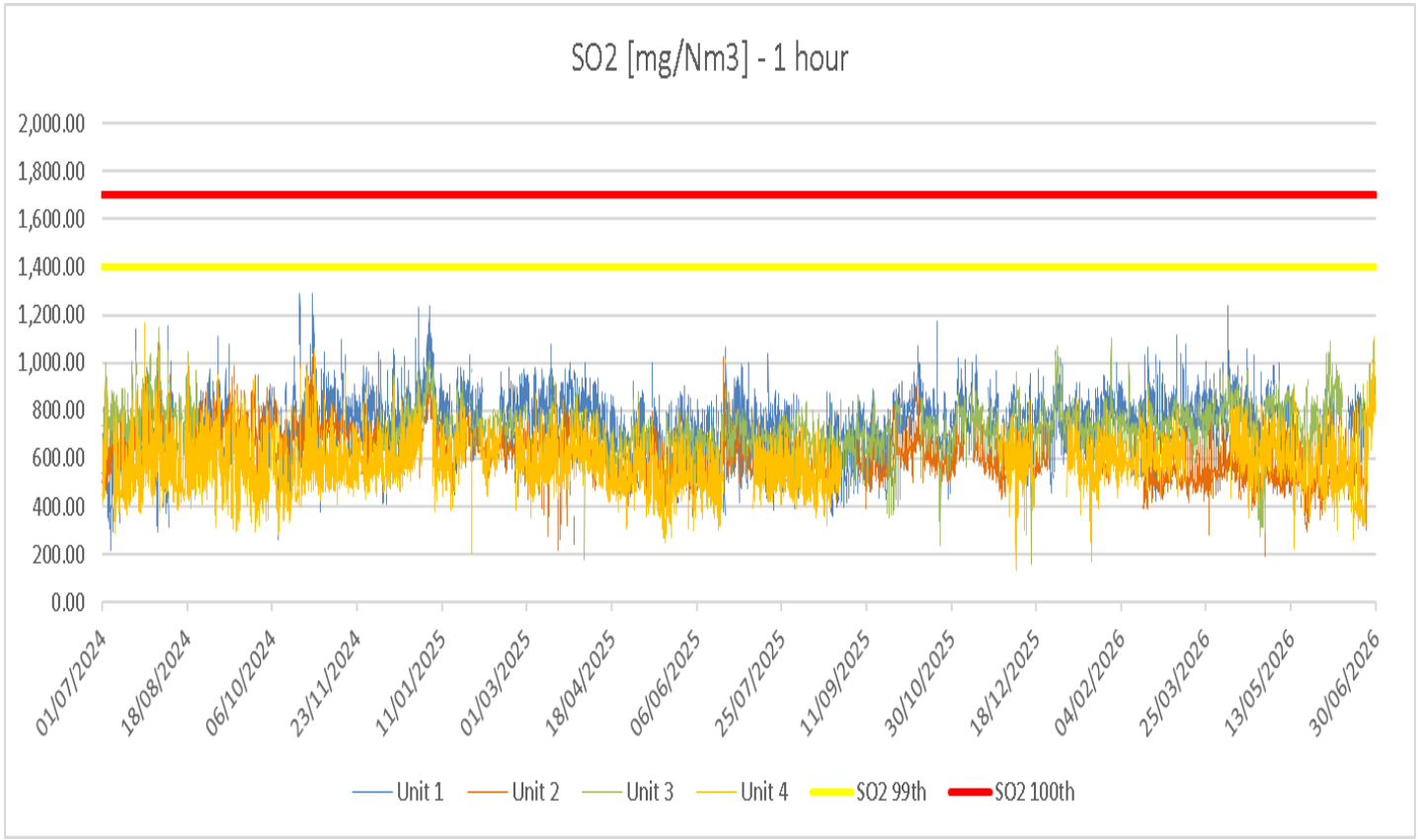
NOx Unit offline 8-9 June 2026

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average
1/06/2026	313	394	262	510	717	379
2/06/2026	304	405	245	535	783	436
3/06/2026	344	466	245	618	806	449
4/06/2026	298	352	235	632	814	472
5/06/2026	309	352	259	563	744	413
6/06/2026	316	362	262	561	763	390
7/06/2026	321	335	307	529	710	336
8/06/2026	-	-	-	561	732	396
9/06/2026	-	-	-	516	705	300
10/06/2026	464	489	419	539	743	420
11/06/2026	493	517	457	526	732	473
12/06/2026	495	669	429	557	677	452
13/06/2026	527	658	465	536	658	430
14/06/2026	640	695	523	554	791	484
15/06/2026	468	641	382	553	755	426
16/06/2026	402	474	350	536	776	424
17/06/2026	396	485	332	510	686	377
18/06/2026	309	497	265	393	798	264
19/06/2026	267	519	226	442	812	372
20/06/2026	271	442	240	415	844	329
21/06/2026	268	466	218	395	791	305
22/06/2026	257	463	209	426	824	339
23/06/2026	273	479	217	406	758	318
24/06/2026	306	496	236	503	802	317
25/06/2026	265	400	188	533	831	331
26/06/2026	362	473	329	778	925	610
27/06/2026	436	515	301	842	990	725
28/06/2026	356	377	305	859	931	634
29/06/2026	348	418	309	927	1088	757
30/06/2026	365	427	317	915	1112	783

Continuous Emission Monitoring Summary NOx Data



Continuous Emission Monitoring Summary SO_2 Data



Unit 1 Boiler Emission Test Results

EPA Identification no.3 – Air emissions monitoring, Boiler 1 stack discharge to air

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	0.05	mg/m^3	4	10/12/2024
Fluorine	6 monthly	8	mg/m^3	30	10/12/2024
Hydrogen chloride	6 monthly	9.6	mg/m^3	50	10/12/2024
Solid Particles	Quarterly	8.3	mg/m^3	50	10/02/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1	mg/m^3	100	10/12/2024
Volatile organic compounds as n-	6 monthly	<0.07	mg/m^3	8	10/12/2024
Cadmium	6 monthly	0.0002	mg/m^3	0.03	10/02/2026
Mercury	6 monthly	0.00012	mg/m^3	0.03	10/02/2026
Type 1 and 2 substances in Aggregate	6 monthly	≤0.02	mg/m^3	0.60	10/02/2026

EPA Identification no. 7 - Air emissions monitoring, Boiler 1 Exhaust Duct A

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	410	m^3/sec	-	10/02/2026
Moisture	6 monthly	5.2	%	-	10/02/2026
Oxygen	6 monthly	8.2	%	-	10/02/2026
Solid Particles	Quarterly	6.8	mg/m^3	-	10/02/2026
Temperature	6 monthly	129	Deg C	-	10/02/2026
Carbon dioxide	6 monthly	12.7	%	-	10/02/2026
Chlorine	6 monthly	0.110	mg/m^3	-	2/12/2025
Fluorine	6 monthly	12.0	mg/m^3	-	2/12/2025
Hydrogen chloride	6 monthly	18	mg/m^3	-	2/12/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.2	mg/m^3	-	2/12/2025
Volatile organic compounds as n-	6 monthly	0.120	mg/m^3	-	2/12/2025
Cadmium	6 monthly	0.000084	mg/m^3	-	10/02/2026
Mercury	6 monthly	0.000053	mg/m^3	-	10/02/2026
Type 1 and Type 2 substances in	6 monthly	<0.013	mg/m^3	-	10/02/2026

EPA Identification no. 8 - Air emissions monitoring, Boiler 1 Exhaust Duct B

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		400	m^3/sec	-	10/02/2026
Moisture		4.3	%	-	10/02/2026
Oxygen		8.3	%	-	10/02/2026
Solid Particles	Quarterly	9.9	mg/m^3	-	10/02/2026
Temperature		124	Deg C	-	10/02/2026
Cadmium	6 monthly	0.00031	mg/m^3	-	10/02/2026
Mercury	6 monthly	0.00019	mg/m^3	-	10/02/2026
Type 1 and Type 2 substances in Aggregate	6 monthly	≤0.023	mg/m^3	-	10/02/2026

Unit 2 Boiler Emission Test Results

EPA Identification no.4 – Air emissions monitoring, Boiler 2 stack discharge to air

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	<0.02	mg/m^3	4	9/01/2025
Fluorine	6 monthly	8.5	mg/m^3	30	9/01/2025
Hydrogen chloride	6 monthly	6.2	mg/m^3	50	9/01/2025
Solid Particles	Quarterly	19	mg/m^3	50	24-25/03/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.7	mg/m^3	100	9/01/2025
Volatile organic compounds as n-	6 monthly	<0.1	mg/m^3	8	9/01/2025
Cadmium	6 monthly	0.000087	mg/m^3	0.03	24-25/03/2026
Mercury	6 monthly	0.0012	mg/m^3	0.03	24-25/03/2026
Type 1 and 2 substances in Aggregate	6 monthly	≤0.02	mg/m^3	0.60	24-25/03/2026

EPA Identification no. 9 - Air emissions monitoring, Boiler 2 Exhaust Duct A

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	250	m^3/sec	-	24/03/2026
Moisture	6 monthly	4.3	%	-	24/03/2026
Oxygen	6 monthly	9.3	%	-	24/03/2026
Solid Particles	Quarterly	14	mg/m^3	-	24/03/2026
Temperature	6 monthly	127	Deg C	-	24/03/2026
Carbon dioxide	6 monthly	10.9	%	-	24/03/2026
Chlorine	6 monthly	0.035	mg/m^3	-	3/12/2025
Fluorine	6 monthly	8.8	mg/m^3	-	3/12/2025
Hydrogen chloride	6 monthly	16	mg/m^3	-	3/12/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.5	mg/m^3	-	3/12/2025
Volatile organic compounds as n-	6 monthly	0.13	mg/m^3	-	3/12/2025
Cadmium	6 monthly	0.000076	mg/m^3	-	24/03/2026
Mercury	6 monthly	0.00058	mg/m^3	-	24/03/2026
Type 1 and Type 2 substances in	6 monthly	<0.014	mg/m^3	-	24/03/2026

EPA Identification no. 10 - Air emissions monitoring, Boiler 2 Exhaust Duct B

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		290	m^3/sec	-	25/03/2026
Moisture		5.5	%	-	25/03/2026
Oxygen		9.9	%	-	25/03/2026
Solid Particles	Quarterly	24	mg/m^3	-	25/03/2026
Temperature		109	Deg C	-	25/03/2026
Cadmium	6 monthly	0.000097	mg/m^3	-	25/03/2026
Mercury	6 monthly	0.0018	mg/m^3	-	25/03/2026
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.025	mg/m^3	-	25/03/2026

Unit 3 Boiler Emission Test Results					
EPA Identification No 5 – Air Emissions monitoring, Boiler 3 stack discharge to air					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Chlorine	6 monthly	0.046	mg/m^3	4	11/12/2024
Fluorine	6 monthly	9.7	mg/m^3	30	11/12/2024
Hydrogen chloride	6 monthly	15	mg/m^3	50	11/12/2024
Solid Particles	Quarterly	4.1	mg/m^3	50	11/02/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.2	mg/m^3	100	11/12/2024
Volatile organic compounds as n-propane equivalent	6 monthly	<0.08	mg/m^3	8	11/12/2024
Cadmium	6 monthly	≤0.00007	mg/m^3	0.03	11/02/2026
Mercury	6 monthly	≤0.00006	mg/m^3	0.03	11/02/2026
Type 1 and 2 substances in Aggregate	6 monthly	≤0.02	mg/m^3	0.60	11/02/2026

EPA Identification No 11 – Air Emissions monitoring, Boiler 3 Exhaust Duct A					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Flow Rate	6 monthly	350	m^3/sec	-	11/02/2026
Moisture	6 monthly	6.4	%	-	11/02/2026
Oxygen	6 Monthly	7.1	%	-	11/02/2026
Solid Particles	Quarterly	3.9	mg/m^3	-	11/02/2026
Temperature	6 monthly	124	Deg C	-	11/02/2026
Carbon dioxide	6 monthly	13.9	%	-	11/02/2026
Chlorine	6 monthly	0.012	mg/m^3	-	4/12/2025
Fluorine	6 monthly	6.7	mg/m^3	-	4/12/2025
Hydrogen chloride	6 monthly	16	mg/m^3	-	4/12/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.7	mg/m^3	-	4/12/2025
Volatile organic compounds as n-propane equivalent	6 monthly	1.7	mg/m^3	-	4/12/2025
Cadmium	6 monthly	<0.00005	mg/m^3	-	11/02/2026
Mercury	6 monthly	<0.00007	mg/m^3	-	11/02/2026
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.022	mg/m^3	-	11/02/2026

EPA Identification No 12 – Air Emissions monitoring, Boiler 3 Exhaust Duct B					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Flow Rate		380	m^3/sec	-	11/02/2026
Moisture		4.6	%	-	11/02/2026
Oxygen		6.6	%	-	11/02/2026
Solid Particles	Quarterly	4.2	mg/m^3	-	11/02/2026
Temperature		121	Deg C	-	11/02/2026
Cadmium	6 monthly	0.000081	mg/m^3	-	11/02/2026
Mercury	6 monthly	<0.00005	mg/m^3	-	11/02/2026
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.019	mg/m^3	-	11/02/2026

Unit 4 Boiler Emission Test Results

EPA Identification no.6 – Air emissions monitoring, Boiler 4 stack discharge to air

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	<0.01	mg/m^3	4	12-13/12/2024
Fluorine	6 monthly	11	mg/m^3	30	12-13/12/2024
Hydrogen chloride	6 monthly	8.5	mg/m^3	50	12-13/12/2024
Solid Particles	Quarterly	17	mg/m^3	50	12/02/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.1	mg/m^3	100	12-13/12/2024
Volatile organic compounds as n-	6 monthly	0.11	mg/m^3	8	12-13/12/2024
Cadmium	6 monthly	≤0.0001	mg/m^3	0.03	12/02/2026
Mercury	6 monthly	0.00016	mg/m^3	0.03	12/02/2026
Type 1 and 2 substances in Aggregate	6 monthly	≤0.03	mg/m^3	0.60	12/02/2026

EPA Identification no. 13 - Air emissions monitoring, Boiler 4Exhaust Duct A

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	270	m^3/sec	-	12/02/2026
Moisture	6 monthly	4.4	%	-	12/02/2026
Oxygen	6 monthly	8.7	%	-	12/02/2026
Solid Particles	Quarterly	22	mg/m^3	-	12/02/2026
Temperature	6 monthly	124	Deg C	-	12/02/2026
Carbon dioxide	6 monthly	11.3	%	-	12/02/2026
Chlorine	6 monthly	0.077	mg/m^3	-	05/12/2025
Fluorine	6 monthly	7.4	mg/m^3	-	05/12/2025
Hydrogen chloride	6 monthly	10	mg/m^3	-	05/12/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	0.92	mg/m^3	-	05/12/2025
Volatile organic compounds as n-	6 monthly	0.15	mg/m^3	-	05/12/2025
Cadmium	6 monthly	0.00024	mg/m^3	-	12/02/2026
Mercury	6 monthly	0.00016	mg/m^3	-	12/02/2026
Type 1 and Type 2 substances in	6 monthly	<0.032	mg/m^3	-	12/02/2026

EPA Identification no. 14 - Air emissions monitoring, Boiler 4 Exhaust Duct B

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		290	m^3/sec	-	12/02/2026
Moisture		5.8	%	-	12/02/2026
Oxygen		9.5	%	-	12/02/2026
Solid Particles	Quarterly	12	mg/m^3	-	12/02/2026
Temperature		112	Deg C	-	12/02/2026
Cadmium	6 monthly	<0.00004	mg/m^3	-	12/02/2026
Mercury	6 monthly	0.00016	mg/m^3	-	12/02/2026
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.021	mg/m^3	-	12/02/2026

Water Quality - Lake Monitoring LM10

EPA Identification no. 27 - The waters of Lake Macquarie located midway between cooling water inlet and Hungary Point

Field Water Quality Recordings

Air Temp	Depth	Water Temp	pH	Salinity	Dissolved Oxygen		Redox	Secchi
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	mV	m
19.00	0.5	17.89	8.05	33.22	84.0	6.53	110	3.25

Laboratory Analysis

Name	Reading	Units	Licence Limit	Date
Aluminium	0.05	mg/L	-	12/06/26
Ammonia	<0.005	mg/L	-	12/06/26
Arsenic	0.0019	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Cobalt	<0.0002	mg/L	-	12/06/26
Copper	0.001	mg/L	-	12/06/26
Electrical Conductivity	50,200	uS/cm	-	12/06/26
Iron	0.082	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0049	mg/L	-	12/06/26
Molybdenum	0.0121	mg/L	-	12/06/26
Nickel	<0.0005	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.30	mg/L	-	12/06/26
pH	8.00	pH units	-	12/06/26
Total Phosphorus	0.021	mg/L	-	12/06/26
Reactive Phosphorus	0.002	mg/L	-	12/06/26
Selenium	<0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

Water Quality - Lake Monitoring LM7

EPA Identification no. 28 - The waters of Lake Macquarie located off old Wangi power station inlet point in Myuna Bay

	Field Water Quality Recordings							
Air Temp	**Depth**	**Water Temp**	**pH**	**Salinity**	**Dissolved Oxygen**		**Redox**	**Secchi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	mV	m
17.69	0.5	20.73	8.02	32.74	105.3	7.78	125	4.75

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.025	mg/L	-	12/06/26
Ammonia	<0.010	mg/L	-	12/06/26
Arsenic	0.0019	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Cobalt	<0.0002	mg/L	-	12/06/26
Copper	0.001	mg/L	-	12/06/26
Electrical Conductivity	49,400	uS/cm	-	12/06/26
Iron	0.035	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0043	mg/L	-	12/06/26
Molybdenum	0.0125	mg/L	-	12/06/26
Nickel	<0.0005	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.26	mg/L	-	12/06/26
pH	8.02	pH units	-	12/06/26
Total Phosphorus	0.018	mg/L	-	12/06/26
Reactive Phosphorus	0.003	mg/L	-	12/06/26
Selenium	<0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

Water Quality - Lake Monitoring LM12

EPA Identification no. 29 - The waters of Lake Macquarie located at the Eraring/Vales Point mixing zone off Fishery Point

Field Water Quality Recordings								
Air Temp	**Depth**	**Water Temp**	**pH**	**Salinity**	**Dissolved Oxygen**		**Redox**	**Secchi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	mV	m
18.70	0.5	19.34	8.09	32.34	93.1	7.08	120	3.75

Laboratory Analysis				
Name	**Reading**	**Units**	**Licence**	**Date**
Aluminium	0.019	mg/L	-	12/06/26
Ammonia	<0.005	mg/L	-	12/06/26
Arsenic	0.0019	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Cadmium	<0.0002	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Copper	0.001	mg/L	-	12/06/26
Electrical Conductivity	50,200	uS/cm	-	12/06/26
Iron	0.02	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0046	mg/L	-	12/06/26
Molybdenum	0.0131	mg/L	-	12/06/26
Nickel	0.0007	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.29	mg/L	-	12/06/26
pH	8.11	pH units	-	12/06/26
Total Phosphorus	0.023	mg/L	-	12/06/26
Reactive Phosphorus	0.003	mg/L	-	12/06/26
Selenium	<0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

Water Quality - Lake Monitoring LM4

EPA Identification no. 30 - The northern waters of Lake Macquarie east off Lake Macquarie Yacht Club

Field Water Quality Recordings

Air Temp	Depth	Water Temp	pH	Salinity	Dissolved Oxygen		Redox	Secchi
0C	m	0C	pH unit	ppt	%	mg/L	mV	m
16.43	0.5	17.83	7.98	33.07	95.9	7.48	129	5.25

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.008	mg/L	-	12/06/26
Ammonia	<0.005	mg/L	-	12/06/26
Arsenic	0.0019	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Cobalt	<0.0002	mg/L	-	12/06/26
Copper	<0.001	mg/L	-	12/06/26
Electrical Conductivity	51,200	uS/cm	-	12/06/26
Iron	0.01	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0022	mg/L	-	12/06/26
Molybdenum	0.0122	mg/L	-	12/06/26
Nickel	<0.0005	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.21	mg/L	-	12/06/26
pH	8.12	pH units	-	12/06/26
Total Phosphorus	0.015	mg/L	-	12/06/26
Reactive Phosphorus	0.004	mg/L	-	12/06/26
Selenium	<0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

EPA Identification no. 44 – Myuna Bay south of the Ash Dam

Field Water Quality Recordings

Air Temp	Depth	Water Temp	pH	Salinity	Dissolved Oxygen		Redox	Secchi
0C	m	0C	pH unit	ppt	%	mg/L	mV	m
18.1	0.5	21.15	8.04	33.26	104.2	7.62	107	4.0

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.025	mg/L	-	12/06/26
Ammonia	<0.005	mg/L	-	12/06/26
Arsenic	0.0022	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Cobalt	<0.0002	mg/L	-	12/06/26
Copper	0.001	mg/L	-	12/06/26
Electrical Conductivity	50,000	uS/cm	-	12/06/26
Iron	0.038	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0043	mg/L	-	12/06/26
Molybdenum	0.0125	mg/L	-	12/06/26
Nickel	<0.0005	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.26	mg/L	-	12/06/26
pH	8.03	pH units	-	12/06/26
Total Phosphorus	0.020	mg/L	-	12/06/26
Reactive Phosphorus	0.002	mg/L	-	12/06/26
Selenium	0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

EPA Identification no. 45 – Myuna Bay south of Outlet Canal

Field Water Quality Recordings								
Air Temp	Depth	Water Temp	pH	Salinity	Dissolved Oxygen		Redox	Secchi
0C	m	0C	pH unit	ppt	%	mg/L	mV	m
19.81	0.5	23.57	8.00	32.97	107.8	7.66	104	2.0

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.029	mg/L	-	12/06/26
Ammonia	<0.005	mg/L	-	12/06/26
Arsenic	0.0018	mg/L	-	12/06/26
Arsenic III	<0.0080	mg/L	-	12/06/26
Arsenic V	<0.0080	mg/L	-	12/06/26
Chromium	<0.0005	mg/L	-	12/06/26
Chromium (Trivalent)	<0.001	mg/L	-	12/06/26
Chromium (VI) Compounds	<0.001	mg/L	-	12/06/26
Cobalt	<0.0002	mg/L	-	12/06/26
Copper	0.001	mg/L	-	12/06/26
Electrical Conductivity	49,800	uS/cm	-	12/06/26
Iron	0.045	mg/L	-	12/06/26
Lead	<0.0002	mg/L	-	12/06/26
Manganese	0.0046	mg/L	-	12/06/26
Molybdenum	0.0128	mg/L	-	12/06/26
Nickel	<0.0005	mg/L	-	12/06/26
Nitrate+Nitrite	<0.002	mg/L	-	12/06/26
Total nitrogen	0.28	mg/L	-	12/06/26
pH	7.99	pH units	-	12/06/26
Total Phosphorus	0.020	mg/L	-	12/06/26
Reactive Phosphorus	0.002	mg/L	-	12/06/26
Selenium	<0.002	mg/L	-	12/06/26
Zinc	<0.005	mg/L	-	12/06/26

Eraring Ash Dam Water Quality Monitoring

EPA Identification no. 22 – Discharge point below siphon pond weir at Ash Dam

Name	Reading	Units	Licence Limit	Date
Aluminium	0.034	mg/L	-	5/06/26
Ammonia	0.96	mg/L	-	5/06/26
Arsenic	0.0151	mg/L	-	5/06/26
Arsenic III	<0.0005	mg/L	-	5/06/26
Arsenic V	0.0052	mg/L	-	5/06/26
Chromium	0.0020	mg/L	-	5/06/26
Chromium (Trivalent)	<0.001	mg/L	-	5/06/26
Chromium (VI) Compounds	<0.01	mg/L	-	5/06/26
Cobalt	0.0005	mg/L	-	5/06/26
Copper	0.0031	mg/L	-	5/06/26
Electrical Conductivity	16,000	uS/cm	-	5/06/26
Iron	0.016	mg/L	-	5/06/26
Lead	<0.0001	mg/L	-	5/06/26
Manganese	0.226	mg/L	-	5/06/26
Molybdenum	0.405	mg/L	-	5/06/26
Nickel	0.0037	mg/L	-	5/06/26
Nitrate+Nitrite	4.84	mg/L	-	5/06/26
Total nitrogen	6.2	mg/L	-	5/06/26
pH	7.44	pH units	-	5/06/26
Total Phosphorus	0.53	mg/L	-	5/06/26
Reactive Phosphorus	0.50	mg/L	-	5/06/26
Selenium	0.0604	mg/L	-	5/06/26
Zinc	0.009	mg/L	-	5/06/26

Eraring Cooling Water Inlet Canal

EPA Identification no. 31 - Inlet canal of the cooling water intake from Lake Macquarie

Name	Reading	Units	Licence Limit	Date
Aluminium	0.044	mg/L	-	5/06/26
Ammonia	<0.005	mg/L	-	5/06/26
Arsenic	0.0018	mg/L	-	5/06/26
Arsenic III	<0.0005	mg/L	-	5/06/26
Arsenic V	<0.0005	mg/L	-	5/06/26
Chromium	<0.0005	mg/L	-	5/06/26
Chromium (Trivalent)	<0.001	mg/L	-	5/06/26
Chromium (VI) Compounds	<0.01	mg/L	-	5/06/26
Cobalt	<0.0002	mg/L	-	5/06/26
Copper	0.0009	mg/L	-	5/06/26
Electrical Conductivity	52,800	uS/cm	-	5/06/26
Iron	0.069	mg/L	-	5/06/26
Lead	<0.0002	mg/L	-	5/06/26
Manganese	0.0056	mg/L	-	5/06/26
Molybdenum	0.0117	mg/L	-	5/06/26
Nickel	<0.0005	mg/L	-	5/06/26
Nitrate+Nitrite	0.005	mg/L	-	5/06/26
Total nitrogen	0.23	mg/L	-	5/06/26
pH	7.93	pH units	-	5/06/26
Total Phosphorus	0.013	mg/L	-	5/06/26
Reactive Phosphorus	0.004	mg/L	-	5/06/26
Selenium	0.001	mg/L	-	5/06/26
Zinc	<0.005	mg/L	-	5/06/26
Dissolved Oxygen	7.46	mg/L	-	5/06/26
Field Temperature	17.2	degC	-	5/06/26
Salinity	33.90	ppt	-	5/06/26
Secchi Disk	2.75	m	-	5/06/26
Temperature – Average	17.51	deg C	-	June 26
Temperature – Minimum	14.23	deg C	-	June 26
Temperature - Maximum	22.36	deg C	-	June 26

Eraring Cooling Water Outlet Canal

EPA Identification no. 36 - Cooling water outlet canal to Myuna Bay

Name	Reading	Units	Licence Limit	Date
Copper	0.0015	mg/L	0.005	5/06/26
Iron	0.071	mg/L	0.3	5/06/26
Selenium	0.001	mg/L	0.002	5/06/26

Eraring Cooling Water Outlet Canal

EPA Identification no. 21 - Cooling water outlet canal to Myuna Bay

Name	Reading	Units	96.5% Limit	99.8% Limit	100% Limit	Date
Temperature – Average	24.33	deg C	35.5	37.5	38.5	June 26
Temperature – Minimum	20.32	deg C				June 26
Temperature - Maximum	28.64	deg C				June 26

Eraring Cooling Water Outlet Canal

EPA Identification no. 25 – Discharge from Ash Dam

Name	Reading	Units	Licence Limit	Date
Minimum Daily Discharge from Ash Dam	2.74	ML		June 26
Average Daily Discharge from Ash Dam	12.38	ML		June 26
Maximum Daily Discharge from Ash Dam	40.45	ML	150	June 26
Monthly Discharge from Ash Dam	371.46	ML	-	June 26

Emergency Discharge – Toe Drain Pond

EPA Identification no. 24 - Emergency discharge to toe drain collection pond.

Toe Drain Pond did not discharge in the month.

Name	Reading	Units	Licence Limit	Date
Aluminium		mg/L	-	
Antimony		mg/L		
Ammonia		mg/L	-	
Arsenic III		mg/L	-	
Arsenic Total		mg/L		
Arsenic V		mg/L	-	
Barium		mg/L		
Beryllium		mg/L		
Boron		mg/L		
Cadmium		mg/L	-	
Calcium		mg/L		
Chloride		mg/L		
Chromium (Trivalent)		mg/L	-	
Chromium Total		mg/L		
Chromium (VI) Compounds		mg/L	-	
Cobalt		mg/L		
Copper		mg/L	-	
Dissolved Organic Carbon		mg/L		
Electrical Conductivity		mS/cm		
Fluoride		mg/L		
Hardness		mg/L		
Iron		mg/L	-	
Lead		mg/L	-	
Magnesium		mg/L		
Manganese		mg/L	-	
Mercury		mg/L		
Molybdenum		mg/L		
Nickel		mg/L	-	
Nitrite and Nitrate as N		mg/L	-	
Nitrogen Total		mg/L	-	
pH		pH units	6-9.5	
Phosphorus as P		mg/L	-	
Potassium		mg/L		
Reactive Phosphorus as P		mg/L	-	
Selenium		mg/L	-	
Silver		mg/L		
Sodium		mg/L		
Sulphate		mg/L		
Total Suspended Solids		mg/L	50	
Turbidity		NTU		
Vanadium		mg/L	-	
Zinc		mg/L	-	

EPA Identification no. 23 - Emergency discharge from ash dam outlet at culvert MR217 did not discharge in the month.

Name	Reading	Units	Licence Limit	Date
Aluminium		mg/L	-	
Antimony		mg/L	-	
Ammonia		mg/L	-	
Arsenic III		mg/L	-	
Arsenic Total		mg/L	-	
Arsenic V		mg/L	-	
Barium		mg/L	-	
Beryllium		mg/L	-	
Boron		mg/L	-	
Cadmium		mg/L	-	
Calcium		mg/L	-	
Chloride		mg/L	-	
Chromium (Trivalent)		mg/L	-	
Chromium Total		mg/L	-	
Chromium (VI) Compounds		mg/L	6-9.5	
Cobalt		mg/L	-	
Copper		mg/L	-	
Dissolved Organic Carbon		mg/L	-	
Electrical Conductivity		mS/cm	-	
Fluoride		mg/L	50	
Hardness		mg/L	-	
Iron		mg/L	-	
Lead		mg/L		
Magnesium		mg/L		
Manganese		mg/L		
Mercury		mg/L		
Molybdenum		mg/L		
Nickel		mg/L		
Nitrite and Nitrate as N		mg/L		
Nitrogen Total		mg/L		
pH		pH units		
Phosphorus as P		mg/L		
Potassium		mg/L		
Reactive Phosphorus as P		mg/L		
Selenium		mg/L		
Silver		mg/L		
Sodium		mg/L		
Sulphate		mg/L		
Total Suspended Solids		mg/L		
Turbidity		NTU		
Vanadium		mg/L		
Zinc		mg/L		

Groundwater Monitoring
Well – Groundwater MW01

EPA Identification No. 32

Name	Reading	Units	Licence Limit	Date
Aluminium	1.34	mg/L	-	9/06/2026
Arsenic Total	0.0032	mg/L	-	9/06/2026
Ammonia	0.09	mg/L	-	9/06/2026
Antimony	0.0002	mg/L	-	9/06/2026
Arsenic (III)	0.0010	mg/L	-	9/06/2026
Arsenic (V)	0.0006	mg/L	-	9/06/2026
Barium	0.0651	mg/L	-	9/06/2026
Beryllium	<0.0001	mg/L	-	9/06/2026
Boron	0.069	mg/L	-	9/06/2026
Cadmium	0.00006	mg/L	-	9/06/2026
Chloride	25	mg/L	-	9/06/2026
Cobalt	0.0012	mg/L	-	9/06/2026
Calcium	15	mg/L	-	9/06/2026
Chromium Total	0.0016	mg/L	-	9/06/2026
Chromium (trivalent)	<0.01	mg/L	-	9/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	9/06/2026
Copper	0.0065	mg/L	-	9/06/2026
Dissolved Organic Carbon	6	mg/L	-	9/06/2026
Electrical Conductivity	231	uS/cm	-	9/06/2026
Fluoride	0.1	mg/L	-	9/06/2026
Hardness (Calcium Carbonate)	62	mg/L	-	9/06/2026
Iron	1.02	mg/L	-	9/06/2026
Lead	0.0083	mg/L	-	9/06/2026
Magnesium	6	mg/L	-	9/06/2026
Manganese	0.0492	mg/L	-	9/06/2026
Mercury	0.000017	mg/L	-	9/06/2026
Molybdenum	0.0008	mg/L	-	9/06/2026
Nickel	0.0023	mg/L	-	9/06/2026
Nitrate	<0.01	mg/L	-	9/06/2026
Total Nitrogen	0.4	mg/L	-	9/06/2026
Nox	<0.01	mg/L	-	9/06/2026
pH	6.64	pH units	-	9/06/2026
Potassium	4	mg/L	-	9/06/2026
Total Phosphorus	0.11	mg/L	-	9/06/2026
Total Dissolved Solids	168	mg/L	-	9/06/2026
Reactive Phosphorus	0.02	mg/L	-	9/06/2026
Selenium	0.0005	mg/L	-	9/06/2026
Silver	<0.0001	mg/L	-	9/06/2026
Sodium	25	mg/L	-	9/06/2026
Sulphate	23	mg/L	-	9/06/2026
Standing Water Level	6.57	m	-	9/06/2026
Vanadium	0.0040	mg/L	-	9/06/2026
Zinc	0.029	mg/L	-	9/06/2026

Groundwater Monitoring
Groundwater Well – MW02

EPA Identification No. 33

Name	Reading	Units	Licence Limit	Date
Aluminium	0.45	mg/L	-	9/06/2026
Arsenic Total	0.0028	mg/L	-	9/06/2026
Ammonia	5.28	mg/L	-	9/06/2026
Antimony	0.0003	mg/L	-	9/06/2026
Arsenic (III)	<0.0080	mg/L	-	9/06/2026
Arsenic (V)	<0.0080	mg/L	-	9/06/2026
Barium	0.264	mg/L	-	9/06/2026
Beryllium	<0.0001	mg/L	-	9/06/2026
Boron	3	mg/L	-	9/06/2026
Cadmium	0.00021	mg/L	-	9/06/2026
Chloride	7,260	mg/L	-	9/06/2026
Cobalt	0.0006	mg/L	-	9/06/2026
Calcium	292	mg/L	-	9/06/2026
Chromium Total	0.0016	mg/L	-	9/06/2026
Chromium (trivalent)	<0.01	mg/L	-	9/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	9/06/2026
Copper	0.0007	mg/L	-	9/06/2026
Dissolved Organic Carbon	23	mg/L	-	9/06/2026
Electrical Conductivity	16,400	uS/cm	-	9/06/2026
Fluoride	0.2	mg/L	-	9/06/2026
Hardness (Calcium Carbonate)	2,100	mg/L	-	9/06/2026
Iron	10.1	mg/L	-	9/06/2026
Lead	0.0042	mg/L	-	9/06/2026
Magnesium	332	mg/L	-	9/06/2026
Manganese	0.764	mg/L	-	9/06/2026
Mercury	<0.000005	mg/L	-	9/06/2026
Molybdenum	0.0058	mg/L	-	9/06/2026
Nickel	0.0010	mg/L	-	9/06/2026
Nitrate	<0.01	mg/L	-	9/06/2026
Total Nitrogen	6.9	mg/L	-	9/06/2026
Nox	<0.01	mg/L	-	9/06/2026
pH	6.76	pH units	-	9/06/2026
Potassium	151	mg/L	-	9/06/2026
Total Phosphorus	0.41	mg/L	-	9/06/2026
Total Dissolved Solids	9,780	mg/L	-	9/06/2026
Reactive Phosphorus	<0.01	mg/L	-	9/06/2026
Selenium	0.0005	mg/L	-	9/06/2026
Silver	<0.0001	mg/L	-	9/06/2026
Sodium	3,900	mg/L	-	9/06/2026
Sulphate	265	mg/L	-	9/06/2026
Standing Water Level	5.29	m	-	9/06/2026
Vanadium	0.0036	mg/L	-	9/06/2026
Zinc	0.022	mg/L	-	9/06/2026

Groundwater Monitoring
Groundwater Well – MW06

EPA Identification No. 34

Name	Reading	Units	Licence Limit	Date
Aluminium	0.029	mg/L	-	9/06/26
Arsenic Total	0.0066	mg/L	-	9/06/26
Ammonia	3.30	mg/L	-	9/06/26
Antimony	<0.0002	mg/L	-	9/06/26
Arsenic (III)	0.0051	mg/L	-	9/06/26
Arsenic (V)	0.0010	mg/L	-	9/06/26
Barium	0.0691	mg/L	-	9/06/26
Beryllium	<0.0001	mg/L	-	9/06/26
Boron	5.93	mg/L	-	9/06/26
Cadmium	<0.00005	mg/L	-	9/06/26
Chloride	6,400	mg/L	-	9/06/26
Cobalt	0.0005	mg/L	-	9/06/26
Calcium	351	mg/L	-	9/06/26
Chromium Total	0.0006	mg/L	-	9/06/26
Chromium (trivalent)	<0.01	mg/L	-	9/06/26
Chromium (VI) compounds	<0.01	mg/L	-	9/06/26
Copper	<0.0005	mg/L	-	9/06/26
Dissolved Organic Carbon	8	mg/L	-	9/06/26
Electrical Conductivity	18,700	uS/cm	-	9/06/26
Fluoride	0.1	mg/L	-	9/06/26
Hardness (Calcium Carbonate)	1,890	mg/L	-	9/06/26
Iron	9.34	mg/L	-	9/06/26
Lead	0.0005	mg/L	-	9/06/26
Magnesium	247	mg/L	-	9/06/26
Manganese	0.387	mg/L	-	9/06/26
Mercury	<0.000005	mg/L	-	9/06/26
Molybdenum	0.0276	mg/L	-	9/06/26
Nickel	0.0009	mg/L	-	9/06/26
Nitrate	<0.01	mg/L	-	9/06/26
Total Nitrogen	4.2	mg/L	-	9/06/26
Nox	<0.01	mg/L	-	9/06/26
pH	6.90	pH units	-	9/06/26
Potassium	123	mg/L	-	9/06/26
Total Phosphorus	0.04	mg/L	-	9/06/26
Total Dissolved Solids	11,700	mg/L	-	9/06/26
Reactive Phosphorus	<0.01	mg/L	-	9/06/26
Selenium	0.0003	mg/L	-	9/06/26
Silver	<0.0001	mg/L	-	9/06/26
Sodium	3,390	mg/L	-	9/06/26
Sulphate	661	mg/L	-	9/06/26
Standing Water Level	1.97	m	-	9/06/26
Vanadium	0.0010	mg/L	-	9/06/26
Zinc	0.017	mg/L	-	9/06/26

Groundwater Monitoring
Groundwater Well – EGM/D26

EPA Identification No. 35
Groundwater well dry at time of sampling

Name	Reading	Units	Licence Limit	Date
Aluminium		mg/L	-	
Arsenic Total		mg/L	-	
Ammonia		mg/L	-	
Antimony		mg/L	-	
Arsenic (III)		mg/L	-	
Arsenic (V)		mg/L	-	
Barium		mg/L	-	
Beryllium		mg/L	-	
Boron		mg/L	-	
Cadmium		mg/L	-	
Chloride		mg/L	-	
Cobalt		mg/L	-	
Calcium		mg/L	-	
Chromium Total		mg/L	-	
Chromium (trivalent)		mg/L	-	
Chromium (VI) compounds		mg/L	-	
Copper		mg/L	-	
Dissolved Organic Carbon		mg/L	-	
Electrical Conductivity		uS/cm	-	
Fluoride		mg/L	-	
Hardness (Calcium Carbonate)		mg/L	-	
Iron		mg/L	-	
Lead		mg/L	-	
Magnesium		mg/L	-	
Manganese		mg/L	-	
Mercury		mg/L	-	
Molybdenum		mg/L	-	
Nickel		mg/L	-	
Nitrate		mg/L	-	
Total Nitrogen		mg/L	-	
Nox		mg/L	-	
pH		pH units	-	
Potassium		mg/L	-	
Total Phosphorus		mg/L	-	
Total Dissolved Solids		mg/L	-	
Reactive Phosphorus		mg/L	-	
Selenium		mg/L	-	
Silver		mg/L	-	
Sodium		mg/L	-	
Sulphate		mg/L	-	
Standing Water Level		m	-	
Vanadium		mg/L	-	
Zinc		mg/L	-	

Name	Reading	Units	Licence Limit	Date
Aluminium	0.293	mg/L	-	19/06/2026
Arsenic Total	0.0006	mg/L	-	19/06/2026
Ammonia	0.02	mg/L	-	19/06/2026
Antimony	<0.0002	mg/L	-	19/06/2026
Arsenic (III)	<0.0005	mg/L	-	19/06/2026
Arsenic (V)	0.0009	mg/L	-	19/06/2026
Barium	0.35	mg/L	-	19/06/2026
Beryllium	0.0007	mg/L	-	19/06/2026
Boron	0.012	mg/L	-	19/06/2026
Cadmium	<0.00005	mg/L	-	19/06/2026
Chloride	207	mg/L	-	19/06/2026
Cobalt	0.0080	mg/L	-	19/06/2026
Calcium	<1	mg/L	-	19/06/2026
Chromium Total	0.0003	mg/L	-	19/06/2026
Chromium (trivalent)	<0.01	mg/L	-	19/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	19/06/2026
Copper	0.0034	mg/L	-	19/06/2026
Dissolved Organic Carbon	7	mg/L	-	19/06/2026
Electrical Conductivity	715	uS/cm	-	19/06/2026
Fluoride	<0.1	mg/L	-	19/06/2026
Hardness (Calcium Carbonate)	54	mg/L	-	19/06/2026
Iron	3.42	mg/L	-	19/06/2026
Lead	0.0026	mg/L	-	19/06/2026
Magnesium	13	mg/L	-	19/06/2026
Manganese	0.297	mg/L	-	19/06/2026
Mercury	<0.000005	mg/L	-	19/06/2026
Molybdenum	<0.0001	mg/L	-	19/06/2026
Nickel	0.0072	mg/L	-	19/06/2026
Nitrate	<0.01	mg/L	-	19/06/2026
Total Nitrogen	<0.01	mg/L	-	19/06/2026
Nox	<0.01	mg/L	-	19/06/2026
pH	4.74	pH units	-	19/06/2026
Potassium	4	mg/L	-	19/06/2026
Total Phosphorus	0.04	mg/L	-	19/06/2026
Total Dissolved Solids	432	mg/L	-	19/06/2026
Reactive Phosphorus	0.05	mg/L	-	19/06/2026
Selenium	<0.0002	mg/L	-	19/06/2026
Silver	<0.0001	mg/L	-	19/06/2026
Sodium	94	mg/L	-	19/06/2026
Sulphate	11	mg/L	-	19/06/2026
Standing Water Level	3.585	m	-	19/06/2026
Vanadium	0.0011	mg/L	-	19/06/2026
Zinc	0.033	mg/L	-	19/06/2026

Groundwater Monitoring
Groundwater Well – MW03

EPA Identification No. 47

Name	Reading	Units	Licence Limit	Date
Aluminium	0.348	mg/L	-	9/06/2026
Arsenic Total	0.0054	mg/L	-	9/06/2026
Ammonia	0.14	mg/L	-	9/06/2026
Antimony	0.0002	mg/L	-	9/06/2026
Arsenic (III)	0.0007	mg/L	-	11/06/2026
Arsenic (V)	0.0020	mg/L	-	11/06/2026
Barium	0.0523	mg/L	-	9/06/2026
Beryllium	0.0015	mg/L	-	9/06/2026
Boron	0.053	mg/L	-	9/06/2026
Cadmium	0.00029	mg/L	-	9/06/2026
Chloride	5,330	mg/L	-	9/06/2026
Cobalt	0.0624	mg/L	-	9/06/2026
Calcium	214	mg/L	-	9/06/2026
Chromium Total	0.0004	mg/L	-	9/06/2026
Chromium (trivalent)	<0.01	mg/L	-	9/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	9/06/2026
Copper	0.0067	mg/L	-	9/06/2026
Dissolved Organic Carbon	1	mg/L	-	11/06/2026
Electrical Conductivity	15,900	uS/cm	-	9/06/2026
Fluoride	<0.1	mg/L	-	9/06/2026
Hardness (Calcium Carbonate)	2,800	mg/L	-	9/06/2026
Iron	0.7	mg/L	-	9/06/2026
Lead	0.0030	mg/L	-	9/06/2026
Magnesium	551	mg/L	-	9/06/2026
Manganese	2.58	mg/L	-	9/06/2026
Mercury	0.000007	mg/L	-	9/06/2026
Molybdenum	<0.0001	mg/L	-	9/06/2026
Nickel	0.0755	mg/L	-	9/06/2026
Nitrate	<0.01	mg/L	-	9/06/2026
Total Nitrogen	0.3	mg/L	-	9/06/2026
Nox	<0.01	mg/L	-	9/06/2026
pH	5.16	pH units	-	9/06/2026
Potassium	24	mg/L	-	9/06/2026
Total Phosphorus	0.02	mg/L	-	9/06/2026
Total Dissolved Solids	9,160	mg/L	-	9/06/2026
Reactive Phosphorus	<0.01	mg/L	-	9/06/2026
Selenium	0.0062	mg/L	-	9/06/2026
Silver	<0.0001	mg/L	-	9/06/2026
Sodium	2,120	mg/L	-	9/06/2026
Sulphate	589	mg/L	-	9/06/2026
Standing Water Level	1.8	m	-	9/06/2026
Vanadium	0.0007	mg/L	-	9/06/2026
Zinc	0.243	mg/L	-	9/06/2026

EPA Identification No. 48

Name	Reading	Units	Licence Limit	Date
Aluminium	43.6	mg/L	-	9/06/2026
Arsenic Total	0.104	mg/L	-	9/06/2026
Ammonia	0.27	mg/L	-	9/06/2026
Antimony	0.0003	mg/L	-	9/06/2026
Arsenic (III)	<0.0080	mg/L	-	9/06/2026
Arsenic (V)	0.0147	mg/L	-	9/06/2026
Barium	0.159	mg/L	-	9/06/2026
Beryllium	0.0275	mg/L	-	9/06/2026
Boron	2.7	mg/L	-	9/06/2026
Cadmium	0.00132	mg/L	-	9/06/2026
Chloride	8,990	mg/L	-	9/06/2026
Cobalt	0.163	mg/L	-	9/06/2026
Calcium	369	mg/L	-	9/06/2026
Chromium Total	0.0004	mg/L	-	9/06/2026
Chromium (trivalent)	<0.01	mg/L	-	9/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	9/06/2026
Copper	0.0717	mg/L	-	9/06/2026
Dissolved Organic Carbon	3	mg/L	-	9/06/2026
Electrical Conductivity	25,200	uS/cm	-	9/06/2026
Fluoride	1.1	mg/L	-	9/06/2026
Hardness (Calcium Carbonate)	3,060	mg/L	-	9/06/2026
Iron	9.79	mg/L	-	9/06/2026
Lead	0.0113	mg/L	-	9/06/2026
Magnesium	520	mg/L	-	9/06/2026
Manganese	6.13	mg/L	-	9/06/2026
Mercury	0.00446	mg/L	-	9/06/2026
Molybdenum	<0.0001	mg/L	-	9/06/2026
Nickel	0.184	mg/L	-	9/06/2026
Nitrate	<0.01	mg/L	-	9/06/2026
Total Nitrogen	0.4	mg/L	-	9/06/2026
Nox	<0.01	mg/L	-	9/06/2026
pH	4.24	pH units	-	9/06/2026
Potassium	40	mg/L	-	9/06/2026
Total Phosphorus	0.06	mg/L	-	9/06/2026
Total Dissolved Solids	15,000	mg/L	-	9/06/2026
Reactive Phosphorus	<0.01	mg/L	-	9/06/2026
Selenium	0.118	mg/L	-	9/06/2026
Silver	0.0003	mg/L	-	9/06/2026
Sodium	4,300	mg/L	-	9/06/2026
Sulphate	620	mg/L	-	9/06/2026
Standing Water Level	4.21	m	-	9/06/2026
Vanadium	0.0007	mg/L	-	9/06/2026
Zinc	0.853	mg/L	-	9/06/2026

Groundwater Monitoring
Groundwater Well – MW05

EPA Identification No. 49

Name	Reading	Units	Licence Limit	Date
Aluminium	0.184	mg/L	-	9/06/2026
Arsenic Total	0.0223	mg/L	-	9/06/2026
Ammonia	0.58	mg/L	-	9/06/2026
Antimony	0.0003	mg/L	-	9/06/2026
Arsenic (III)	0.0173	mg/L	-	9/06/2026
Arsenic (V)	<0.0080	mg/L	-	9/06/2026
Barium	0.0323	mg/L	-	9/06/2026
Beryllium	0.0010	mg/L	-	9/06/2026
Boron	0.305	mg/L	-	9/06/2026
Cadmium	0.00044	mg/L	-	9/06/2026
Chloride	10,400	mg/L	-	9/06/2026
Cobalt	0.0411	mg/L	-	9/06/2026
Calcium	408	mg/L	-	9/06/2026
Chromium Total	0.0003	mg/L	-	9/06/2026
Chromium (trivalent)	<0.01	mg/L	-	9/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	9/06/2026
Copper	<0.0005	mg/L	-	9/06/2026
Dissolved Organic Carbon	2	mg/L	-	9/06/2026
Electrical Conductivity	30,200	uS/cm	-	9/06/2026
Fluoride	<0.1	mg/L	-	9/06/2026
Hardness (Calcium Carbonate)	3,950	mg/L	-	9/06/2026
Iron	105	mg/L	-	9/06/2026
Lead	0.0025	mg/L	-	9/06/2026
Magnesium	713	mg/L	-	9/06/2026
Manganese	0.961	mg/L	-	9/06/2026
Mercury	<0.000005	mg/L	-	9/06/2026
Molybdenum	<0.0001	mg/L	-	9/06/2026
Nickel	0.1	mg/L	-	9/06/2026
Nitrate	<0.01	mg/L	-	9/06/2026
Total Nitrogen	2.1	mg/L	-	9/06/2026
Nox	<0.01	mg/L	-	9/06/2026
pH	5.05	pH units	-	9/06/2026
Potassium	135	mg/L	-	9/06/2026
Total Phosphorus	0.06	mg/L	-	9/06/2026
Total Dissolved Solids	0.0173	mg/L	-	9/06/2026
Reactive Phosphorus	<0.01	mg/L	-	9/06/2026
Selenium	0.0046	mg/L	-	9/06/2026
Silver	<0.0001	mg/L	-	9/06/2026
Sodium	5,540	mg/L	-	9/06/2026
Sulphate	2,220	mg/L	-	9/06/2026
Standing Water Level	2.02	m	-	9/06/2026
Vanadium	0.0015	mg/L	-	9/06/2026
Zinc	1.41	mg/L	-	9/06/2026

Groundwater Monitoring
Groundwater Well – EA_MW02

EPA Identification No. 50

Name	Reading	Units	Licence Limit	Date
Aluminium	1.69	mg/L	-	23/06/2026
Arsenic Total	0.0013	mg/L	-	23/06/2026
Ammonia	0.07	mg/L	-	23/06/2026
Antimony	<0.0002	mg/L	-	23/06/2026
Arsenic (III)	<0.0005	mg/L	-	23/06/2026
Arsenic (V)	0.0009	mg/L	-	23/06/2026
Barium	0.0900	mg/L	-	23/06/2026
Beryllium	0.0019	mg/L	-	23/06/2026
Boron	0.012	mg/L	-	23/06/2026
Cadmium	0.00016	mg/L	-	23/06/2026
Chloride	626	mg/L	-	23/06/2026
Cobalt	0.0073	mg/L	-	23/06/2026
Calcium	<1	mg/L	-	23/06/2026
Chromium Total	0.0008	mg/L	-	23/06/2026
Chromium (trivalent)	<0.01	mg/L	-	23/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	23/06/2026
Copper	0.0098	mg/L	-	23/06/2026
Dissolved Organic Carbon	2	mg/L	-	23/06/2026
Electrical Conductivity	2,070	uS/cm	-	23/06/2026
Fluoride	<0.1	mg/L	-	23/06/2026
Hardness (Calcium Carbonate)	161	mg/L	-	23/06/2026
Iron	0.923	mg/L	-	23/06/2026
Lead	0.0097	mg/L	-	23/06/2026
Magnesium	39	mg/L	-	23/06/2026
Manganese	0.135	mg/L	-	23/06/2026
Mercury	0.000048	mg/L	-	23/06/2026
Molybdenum	<0.0001	mg/L	-	23/06/2026
Nickel	0.0160	mg/L	-	23/06/2026
Nitrate	0.04	mg/L	-	23/06/2026
Total Nitrogen	0.1	mg/L	-	23/06/2026
Nox	0.04	mg/L	-	23/06/2026
pH	3.95	pH units	-	23/06/2026
Potassium	8	mg/L	-	23/06/2026
Total Phosphorus	0.03	mg/L	-	23/06/2026
Total Dissolved Solids	1,250	mg/L	-	23/06/2026
Reactive Phosphorus	0.08	mg/L	-	23/06/2026
Selenium	0.0007	mg/L	-	23/06/2026
Silver	0.0002	mg/L	-	23/06/2026
Sodium	338	mg/L	-	23/06/2026
Sulphate	60	mg/L	-	23/06/2026
Standing Water Level	6.135	m	-	23/06/2026
Vanadium	0.0015	mg/L	-	23/06/2026
Zinc	0.078	mg/L	-	23/06/2026

Groundwater Monitoring
Groundwater Well – EA_MW16

EPA Identification No. 51

Name	Reading	Units	Licence Limit	Date
Aluminium	10.8	mg/L	-	23/06/2026
Arsenic Total	0.0080	mg/L	-	23/06/2026
Ammonia	0.02	mg/L	-	23/06/2026
Antimony	<0.0002	mg/L	-	23/06/2026
Arsenic (III)	<0.0005	mg/L	-	23/06/2026
Arsenic (V)	0.0008	mg/L	-	23/06/2026
Barium	0.0708	mg/L	-	23/06/2026
Beryllium	0.0002	mg/L	-	23/06/2026
Boron	0.074	mg/L	-	23/06/2026
Cadmium	0.00005	mg/L	-	23/06/2026
Chloride	50	mg/L	-	23/06/2026
Cobalt	0.0005	mg/L	-	23/06/2026
Calcium	<1	mg/L	-	23/06/2026
Chromium Total	0.0080	mg/L	-	23/06/2026
Chromium (trivalent)	<0.01	mg/L	-	23/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	23/06/2026
Copper	0.0158	mg/L	-	23/06/2026
Dissolved Organic Carbon	7	mg/L	-	23/06/2026
Electrical Conductivity	298	uS/cm	-	23/06/2026
Fluoride	<0.1	mg/L	-	23/06/2026
Hardness (Calcium Carbonate)	8	mg/L	-	23/06/2026
Iron	7.86	mg/L	-	23/06/2026
Lead	0.0115	mg/L	-	23/06/2026
Magnesium	2	mg/L	-	23/06/2026
Manganese	0.0121	mg/L	-	23/06/2026
Mercury	0.000018	mg/L	-	23/06/2026
Molybdenum	0.0006	mg/L	-	23/06/2026
Nickel	0.0016	mg/L	-	23/06/2026
Nitrate	0.10	mg/L	-	23/06/2026
Total Nitrogen	0.08	mg/L	-	23/06/2026
Nox	0.10	mg/L	-	23/06/2026
pH	5.33	pH units	-	23/06/2026
Potassium	<1	mg/L	-	23/06/2026
Total Phosphorus	0.08	mg/L	-	23/06/2026
Total Dissolved Solids	532	mg/L	-	23/06/2026
Reactive Phosphorus	0.04	mg/L	-	23/06/2026
Selenium	0.0014	mg/L	-	23/06/2026
Silver	<0.0001	mg/L	-	23/06/2026
Sodium	53	mg/L	-	23/06/2026
Sulphate	44	mg/L	-	23/06/2026
Standing Water Level	3.86	m	-	23/06/2026
Vanadium	0.0191	mg/L	-	23/06/2026
Zinc	0.012	mg/L	-	23/06/2026

Groundwater Monitoring
Groundwater Well – EA_MW18

EPA Identification No. 52

Name	Reading	Units	Licence Limit	Date
Aluminium	3.14	mg/L	-	23/06/2026
Arsenic Total	0.0041	mg/L	-	23/06/2026
Ammonia	0.17	mg/L	-	23/06/2026
Antimony	0.0004	mg/L	-	23/06/2026
Arsenic (III)	0.0006	mg/L	-	23/06/2026
Arsenic (V)	0.0007	mg/L	-	23/06/2026
Barium	0.177	mg/L	-	23/06/2026
Beryllium	0.0112	mg/L	-	23/06/2026
Boron	1.39	mg/L	-	23/06/2026
Cadmium	0.00617	mg/L	-	23/06/2026
Chloride	2,820	mg/L	-	23/06/2026
Cobalt	0.153	mg/L	-	23/06/2026
Calcium	33	mg/L	-	23/06/2026
Chromium Total	0.0020	mg/L	-	23/06/2026
Chromium (trivalent)	<0.01	mg/L	-	23/06/2026
Chromium (VI) compounds	<0.01	mg/L	-	23/06/2026
Copper	0.0068	mg/L	-	23/06/2026
Dissolved Organic Carbon	2	mg/L	-	23/06/2026
Electrical Conductivity	8,690	uS/cm	-	23/06/2026
Fluoride	0.7	mg/L	-	23/06/2026
Hardness (Calcium Carbonate)	1,560	mg/L	-	23/06/2026
Iron	3.3	mg/L	-	23/06/2026
Lead	0.0093	mg/L	-	23/06/2026
Magnesium	359	mg/L	-	23/06/2026
Manganese	3.57	mg/L	-	23/06/2026
Mercury	0.000017	mg/L	-	23/06/2026
Molybdenum	0.0002	mg/L	-	23/06/2026
Nickel	0.194	mg/L	-	23/06/2026
Nitrate	<0.01	mg/L	-	23/06/2026
Total Nitrogen	0.5	mg/L	-	23/06/2026
Nox	<0.01	mg/L	-	23/06/2026
pH	5.52	pH units	-	23/06/2026
Potassium	18	mg/L	-	23/06/2026
Total Phosphorus	0.05	mg/L	-	23/06/2026
Total Dissolved Solids	4,990	mg/L	-	23/06/2026
Reactive Phosphorus	0.07	mg/L	-	23/06/2026
Selenium	0.0012	mg/L	-	23/06/2026
Silver	<0.0001	mg/L	-	23/06/2026
Sodium	1,080	mg/L	-	23/06/2026
Sulphate	509	mg/L	-	23/06/2026
Standing Water Level	2.48	m	-	23/06/2026
Vanadium	0.0022	mg/L	-	23/06/2026
Zinc	2.35	mg/L	-	23/06/2026

Water Quality – Surface Water EBESS

EPA Identification no. 37 – Final discharge point from the water treatment plant
Sample Frequency – Daily during any discharge (2 discharge events).

Name	Units	Min reading	Average reading	Maximum Reading	Project Criteria	Number of samples
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	-	2
Chromium (hexavalant)	mg/L	<0.01	<0.01	<0.01	-	2
Chromium (trivalent)	mg/L	<0.01	<0.01	<0.01	-	2
Copper	µg/L	<0.5	N/C	0.9	-	2
Lead	mg/L	<0.001	<0.001	<0.001		2
Manganese	mg/L	0.002	0.007	0.012	-	2
Nickel	mg/L	<0.001	N/C	0.004	-	2
PFOS	µg/L	0.0016	0.0021	0.0026	0.13 ug/L	2
PFOA	µg/L	0.0008	0.001	0.0012	220 ug/L	2
pH	pH Units	7.83	8.08	8.33	6.5-9	2
Selenium	µg/L	0.4	0.4	0.4	-	2
Total Suspended solids	mg/L	<5	N/C	6	50mg/L	2
Vanadium	mg/L	<0.01	<0.01	<0.01	-	2
Zinc	µg/L	2	5	8	-	2

Daily Volume Discharged (ML)		
Min	Ave	Max
1.5	2.0	2.5

N/C Non calculable

EPA Identification no. 38 – Monitoring overflow point from the attenuation pond
Sample Frequency – Daily during any discharge (not discharging, no samples collected).

Name	Units	Frequency	Reading	Project Criteria	Date
Cadmium	mg/L	Daily during any discharge	-	-	
Chromium (hexavalant)	mg/L	Daily during any discharge	-	-	
Chromium (trivalent)	mg/L	Daily during any discharge	-	-	
Copper	µg/L	Daily during any discharge	-	-	
Lead	mg/L	Daily during any discharge	-		
Manganese	mg/L	Daily during any discharge	-	-	
Nickel	mg/L	Daily during any discharge	-	-	
PFOS	µg/L	Daily during any discharge	-	0.13 ug/L	
PFOA	µg/L	Daily during any discharge	-	220 ug/L	
pH	pH Units	Daily during any discharge	-	6.5-9	
Selenium	µg/L	Daily during any discharge	-	-	
Total Suspended solids	mg/L	Daily during any discharge	-	50mg/L	
Vanadium	mg/L	Daily during any discharge	-	-	
Zinc	µg/L	Daily during any discharge	-	-	

EPA Identification no. 39 – Monitoring overflow point from SW01A
Sample Frequency – Daily during any discharge (not discharging, no samples collected).

Name	Units	Reading	Project Criteria	Date
Cadmium	mg/L	-	-	
Chromium (hexavalant)	mg/L	-	-	
Chromium (trivalent)	mg/L	-	-	
Copper	µg/L	-	-	
Lead	mg/L			
Manganese	mg/L	-	-	
Nickel	mg/L	-	-	
PFOS	µg/L	-	0.13 ug/L	
PFOA	µg/L	-	220 ug/L	
pH	pH Units	-	6.5-9	
Selenium	µg/L	-	-	
Total Suspended solids	mg/L	-	50mg/L	
Vanadium	mg/L	-	-	
Zinc	µg/L	-	-	

EPA Identification no. 40 – Monitoring overflow point from VAR03
Sample Frequency – Daily during any discharge (not discharging, no samples collected).

Name	Units	Reading	Project Criteria	Date
Cadmium	mg/L	-	-	
Chromium (hexavalant)	mg/L	-	-	
Chromium (trivalent)	mg/L	-	-	
Copper	µg/L	-	-	
Lead	mg/L			
Manganese	mg/L	-	-	
Nickel	mg/L	-	-	
PFOS	µg/L	-	0.13 ug/L	
PFOA	µg/L	-	220 ug/L	
pH	pH Units	-	6.5-9	
Selenium	µg/L	-	-	
Total Suspended solids	mg/L	-	50mg/L	
Vanadium	mg/L	-	-	
Zinc	µg/L	-	-	

EPA Identification no. 41 – Monitoring from the attenuation Pond Discharge Pipe
Sample Frequency – Daily during any discharge (1 discharge event).

Name	Units	Reading	Project Criteria	Date
Cadmium	mg/L	<0.0001	-	5/06/2026
Chromium (hexavalant)	mg/L	<0.01	-	5/06/2026
Chromium (trivalent)	mg/L	<0.01	-	5/06/2026
Copper	µg/L	1.2	-	5/06/2026
Lead	mg/L	<0.001		5/06/2026
Manganese	mg/L	0.04	-	5/06/2026
Nickel	mg/L	0.001	-	5/06/2026
PFOS	µg/L	0.0017	0.13 ug/L	5/06/2026
PFOA	µg/L	0.0007	220 ug/L	5/06/2026
pH	pH Units	7.86	6.5-9	5/06/2026
Selenium	µg/L	0.4	-	5/06/2026
Total Suspended solids	mg/L	16	50mg/L	5/06/2026
Vanadium	mg/L	<0.01	-	5/06/2026
Zinc	µg/L	8	-	5/06/2026

As of the 1st of May this location has been identified as EPA 53 however the EPL variation has not been finalised.

Daily Volume Discharged ML		
Min	Ave	Max
2.5	2.5	2.5

EPA Identification no. 42 – Monitoring from the Transgrid Outlet Pipe
Sample Frequency – Daily during any discharge (not discharging, no samples collected).

Name	Units	Reading	Project Criteria	Date
Cadmium	mg/L	-	-	
Chromium (hexavalant)	mg/L	-	-	
Chromium (trivalent)	mg/L	-	-	
Copper	µg/L	-	-	
Lead	mg/L			
Manganese	mg/L	-	-	
Nickel	mg/L	-	-	
PFOS	µg/L	-	0.13 ug/L	
PFOA	µg/L	-	220 ug/L	
pH	pH Units	-	6.5-9	
Selenium	µg/L	-	-	
Total Suspended solids	mg/L	-	50mg/L	
Vanadium	mg/L	-	-	
Zinc	µg/L	-	-	