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

Environmental Monitoring Data July 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 1-12 & 18-20 July 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
1/07/2026	-	-	-	-	-	-
2/07/2026	-	-	-	-	-	-
3/07/2026	-	-	-	-	-	-
4/07/2026	-	-	-	-	-	-
5/07/2026	-	-	-	-	-	-
6/07/2026	-	-	-	-	-	-
7/07/2026	-	-	-	-	-	-
8/07/2026	-	-	-	-	-	-
9/07/2026	-	-	-	-	-	-
10/07/2026	-	-	-	-	-	-
11/07/2026	-	-	-	-	-	-
12/07/2026	-	-	-	-	-	-
13/07/2026	310	310	310	438	438	438
14/07/2026	401	485	275	715	845	393
15/07/2026	387	445	324	797	913	630
16/07/2026	419	445	335	739	925	597
17/07/2026	396	466	315	732	874	546
18/07/2026	-	-	-	-	-	-
19/07/2026	-	-	-	-	-	-
20/07/2026	-	-	-	-	-	-
21/07/2026	402	459	326	760	790	726
22/07/2026	481	544	347	778	929	675
23/07/2026	491	580	344	780	857	637
24/07/2026	510	622	410	750	876	544
25/07/2026	431	494	344	740	849	610
26/07/2026	494	551	415	713	878	537
27/07/2026	535	638	378	719	854	572
28/07/2026	473	563	350	770	910	620
29/07/2026	518	596	426	770	900	641
30/07/2026	429	555	344	671	695	651
31/07/2026	426	495	310	650	759	508

"A unit identified as offline for a given day may have operated for part of that day. The daily classification reflects the general operating status for the daily period."

Unit 2 Boiler Continuous Emission Monitoring Summary

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

Unit 2 offline 1, 27-30 July 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**
1/07/2026	-	-	-	-	-	-
2/07/2026	259	273	249	425	481	391
3/07/2026	327	391	248	577	783	466
4/07/2026	362	405	317	593	792	533
5/07/2026	394	446	351	506	658	401
6/07/2026	365	410	320	507	638	456
7/07/2026	342	403	282	550	732	421
8/07/2026	331	387	279	566	716	491
9/07/2026	326	386	265	535	673	472
10/07/2026	341	419	326	540	646	505
11/07/2026	334	392	271	551	726	472
12/07/2026	305	383	242	544	705	491
13/07/2026	327	457	253	572	732	516
14/07/2026	329	416	251	572	739	530
15/07/2026	381	449	337	595	693	532
16/07/2026	402	485	320	553	715	489
17/07/2026	356	411	283	556	685	489
18/07/2026	386	434	345	554	687	520
19/07/2026	334	393	273	556	721	508
20/07/2026	376	438	331	496	695	444
21/07/2026	349	376	333	543	625	489
22/07/2026	353	404	280	536	569	499
23/07/2026	353	438	269	542	704	488
24/07/2026	316	387	242	522	716	456
25/07/2026	296	383	248	517	697	460
26/07/2026	317	368	278	553	716	504
27/07/2026	-	-	-	-	-	-
28/07/2026	-	-	-	-	-	-
29/07/2026	-	-	-	-	-	-
30/07/2026	-	-	-	-	-	-
31/07/2026	368	427	308	481	556	159

"A unit identified as offline for a given day may have operated for part of that day. The daily classification reflects the general operating status for the daily period."

Unit 3 Boiler Continuous Emission Monitoring Summary

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

Unit 3 offline 25-28 July 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
1/07/2026	388	440	291	852	977	758
2/07/2026	387	443	300	808	906	714
3/07/2026	362	406	305	815	894	738
4/07/2026	345	396	300	808	885	740
5/07/2026	352	382	282	700	737	684
6/07/2026	350	385	285	710	750	684
7/07/2026	330	350	308	739	819	693
8/07/2026	354	406	304	772	850	702
9/07/2026	374	436	293	713	736	665
10/07/2026	373	427	283	693	735	654
11/07/2026	376	410	336	727	775	677
12/07/2026	330	418	274	733	783	686
13/07/2026	363	436	323	748	786	700
14/07/2026	347	426	286	729	783	676
15/07/2026	359	474	278	737	820	664
16/07/2026	384	477	300	723	748	695
17/07/2026	357	377	334	733	806	698
18/07/2026	354	412	288	763	849	703
19/07/2026	352	377	297	736	821	646
20/07/2026	372	413	315	677	997	601
21/07/2026	346	382	318	718	815	631
22/07/2026	356	414	306	701	764	649
23/07/2026	355	416	320	699	717	674
24/07/2026	355	355	355	720	720	720
25/07/2026	-	-	-	-	-	-
26/07/2026	-	-	-	-	-	-
27/07/2026	-	-	-	-	-	-
28/07/2026	-	-	-	-	-	-
29/07/2026	385	458	300	742	794	686
30/07/2026	391	416	348	688	759	589
31/07/2026	351	410	293	725	749	629

"A unit identified as offline for a given day may have operated for part of that day. The daily classification reflects the general operating status for the daily period.

Continuous Emission Monitoring Summary NOx Data

Unit 4 Boiler Continuous Emission Monitoring Summary -

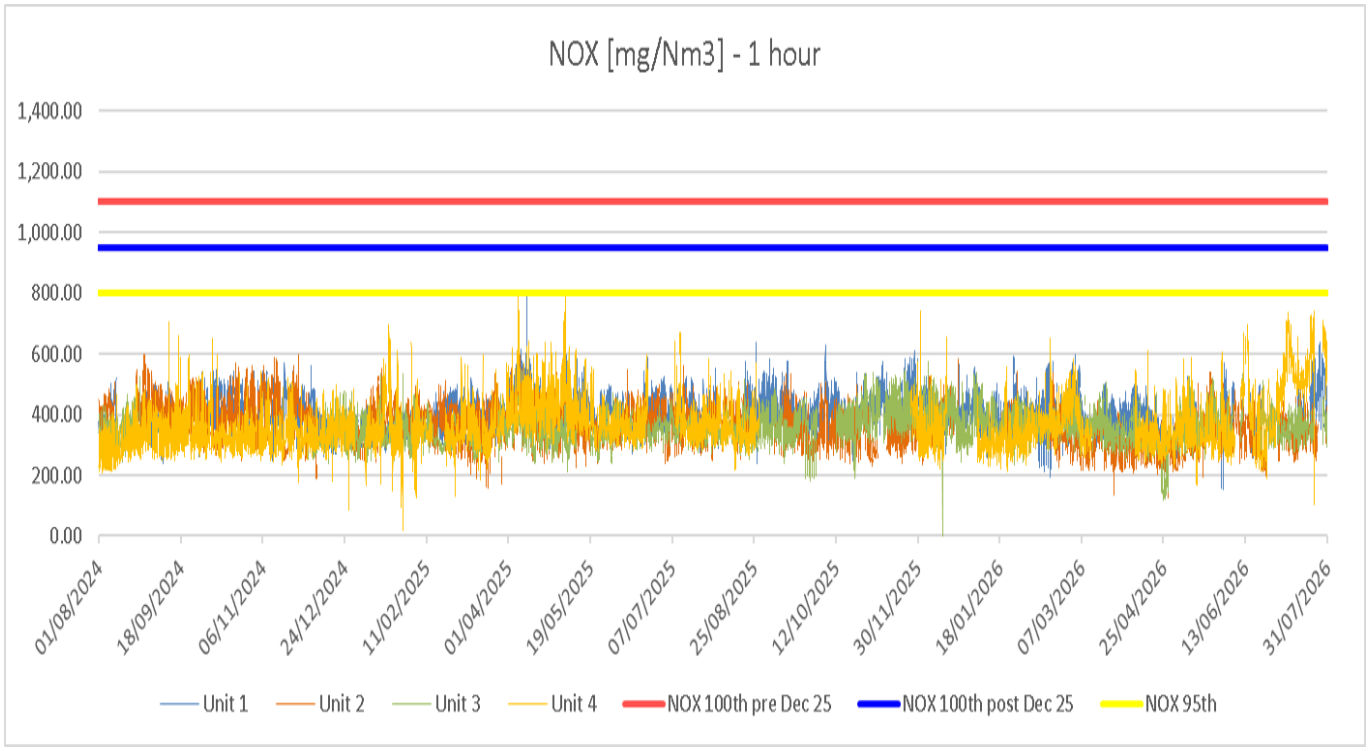
EPA Identification no. 6 - Air emissions monitoring, Boiler 4 stack discharge to air

Unit 4 offline 25-28 July 2026

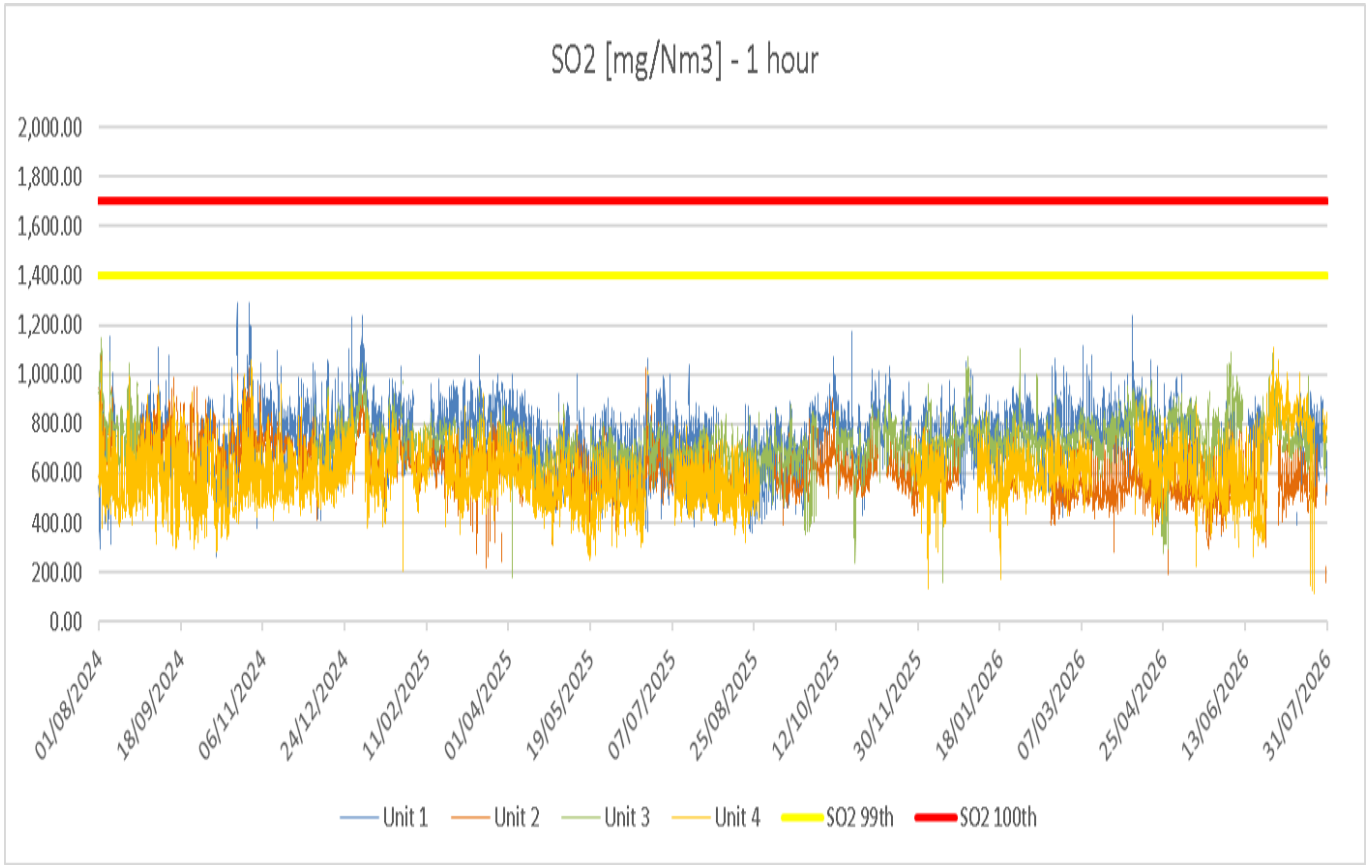
	NOx			SO_2		
	mg/Nm³ (7% O_2)			mg/Nm³ (7% O_2)		
	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average	Daily Ave	Daily Max Hourly Average	Daily Min Hourly Average
1/07/2026	391	499	291	870	1004	763
2/07/2026	483	550	369	905	1060	718
3/07/2026	420	491	367	927	1004	819
4/07/2026	475	524	400	897	959	816
5/07/2026	506	603	426	839	921	777
6/07/2026	543	602	410	808	865	776
7/07/2026	619	709	496	856	972	773
8/07/2026	666	740	507	915	1010	762
9/07/2026	627	711	533	835	889	675
10/07/2026	611	699	534	800	840	752
11/07/2026	568	622	507	788	868	749
12/07/2026	533	604	486	833	895	778
13/07/2026	525	571	488	849	888	808
14/07/2026	539	654	461	864	920	787
15/07/2026	519	581	479	878	1007	755
16/07/2026	516	557	484	836	870	808
17/07/2026	523	549	454	811	849	746
18/07/2026	488	549	410	839	901	782
19/07/2026	538	593	439	834	903	768
20/07/2026	564	618	488	791	924	719
21/07/2026	583	725	471	780	836	722
22/07/2026	652	728	504	752	831	147
23/07/2026	646	721	541	750	825	128
24/07/2026	601	740	102	730	815	115
25/07/2026	-	-	-	-	-	-
26/07/2026	-	-	-	-	-	-
27/07/2026	-	-	-	-	-	-
28/07/2026	-	-	-	-	-	-
29/07/2026	663	712	606	813	861	762
30/07/2026	643	691	589	764	832	723
31/07/2026	544	642	449	795	845	758

"A unit identified as offline for a given day may have operated for part of that day. The daily classification reflects the general operating status for the daily period."

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	Date
Chlorine	6 monthly	<0.009	mg/m^3	4	23/06/2026
Fluorine	6 monthly	8.5	mg/m^3	30	23/06/2026
Hydrogen chloride	6 monthly	17	mg/m^3	50	23/06/2026
Solid Particles	Quarterly	10	mg/m^3	50	23/06/2026 15/07/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.9	mg/m^3	100	23/06/2026
Volatile organic compounds as n-	6 monthly	<0.09	mg/m^3	8	23/06/2026
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	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 Limi	Date
Flow Rate	6 monthly	410	m^3/sec	-	23/06/2026
Moisture	6 monthly	5.2	%	-	23/06/2026
Oxygen	6 monthly	7.9	%	-	23/06/2026
Solid Particles	Quarterly	9.9	mg/m^3	-	23/06/2026
Temperature	6 monthly	123	Deg C	-	23/06/2026
Carbon dioxide	6 monthly	11.6	%	-	23/06/2026
Chlorine	6 monthly	<0.009	mg/m^3	-	23/06/2026
Fluorine	6 monthly	8.5	mg/m^3	-	23/06/2026
Hydrogen chloride	6 monthly	17	mg/m^3	-	23/06/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.9	mg/m^3	-	23/06/2026
Volatile organic compounds as n-	6 monthly	<0.09	mg/m^3	-	23/06/2026
Cadmium	6 monthly	0.00008	mg/m^3	-	10/02/2026
Mercury	6 monthly	0.00005	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	Date
Flow Rate		340	m^3/sec	-	15/07/2026
Moisture		5.6	%	-	15/07/2026
Oxygen		7.2	%	-	15/07/2026
Solid Particles	Quarterly	11	mg/m^3	-	15/07/2026
Temperature		118	Deg C	-	15/07/2026
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	<0.01	mg/m^3	4	20/05/2026
Fluorine	6 monthly	11	mg/m^3	30	20/05/2026
Hydrogen chloride	6 monthly	15	mg/m^3	50	20/05/2026
Solid Particles	Quarterly	17	mg/m^3	50	20/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	4	mg/m^3	100	20/05/2026
Volatile organic compounds as n-	6 monthly	0.41	mg/m^3	8	20/05/2026
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	300	m^3/sec	-	20/05/2026
Moisture	6 monthly	5.6	%	-	20/05/2026
Oxygen	6 monthly	6.4	%	-	20/05/2026
Solid Particles	Quarterly	27	mg/m^3	-	20/05/2026
Temperature	6 monthly	122	Deg C	-	20/05/2026
Carbon dioxide	6 monthly	13.6	%	-	20/05/2026
Chlorine	6 monthly	<0.01	mg/m^3	-	20/05/2026
Fluorine	6 monthly	11	mg/m^3	-	20/05/2026
Hydrogen chloride	6 monthly	15	mg/m^3	-	20/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	4	mg/m^3	-	20/05/2026
Volatile organic compounds as n-	6 monthly	0.45	mg/m^3	-	20/05/2026
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		320	m^3/sec	-	20/05/2026
Moisture		5.4	%	-	20/05/2026
Oxygen		5.7	%	-	20/05/2026
Solid Particles	Quarterly	7.4	mg/m^3	-	20/05/2026
Temperature		119	Deg C	-	20/05/2026
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	<0.007	mg/m^3	4	19/05/2026
Fluorine	6 monthly	13	mg/m^3	30	19/05/2026
Hydrogen chloride	6 monthly	15	mg/m^3	50	19/05/2026
Solid Particles	Quarterly	34	mg/m^3	50	19/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	0.69	mg/m^3	100	19/05/2026
Volatile organic compounds as n-propane equivalent	6 monthly	0.2	mg/m^3	8	19/05/2026
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	-	19/05/2026
Moisture	6 monthly	5.5	%	-	19/05/2026
Oxygen	6 Monthly	6.9	%	-	19/05/2026
Solid Particles	Quarterly	17	mg/m^3	-	19/05/2026
Temperature	6 monthly	120	Deg C	-	19/05/2026
Carbon dioxide	6 monthly	12.6	%	-	19/05/2026
Chlorine	6 monthly	<0.007	mg/m^3	-	19/05/2026
Fluorine	6 monthly	13	mg/m^3	-	19/05/2026
Hydrogen chloride	6 monthly	15	mg/m^3	-	19/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	0.69	mg/m^3	-	19/05/2026
Volatile organic compounds as n-propane equivalent	6 monthly	0.2	mg/m^3	-	19/05/2026
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		390	m^3/sec	-	19/05/2026
Moisture		5.6	%	-	19/05/2026
Oxygen		6.5	%	-	19/05/2026
Solid Particles	Quarterly	49	mg/m^3	-	19/05/2026
Temperature		117	Deg C	-	19/05/2026
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	<0.005	mg/m^3	4	21/05/2026
Fluorine	6 monthly	9.9	mg/m^3	30	21/05/2026
Hydrogen chloride	6 monthly	13	mg/m^3	50	21/05/2026
Solid Particles	Quarterly	13	mg/m^3	50	21/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.4	mg/m^3	100	21/05/2026
Volatile organic compounds as n-	6 monthly	7.6	mg/m^3	8	21/05/2026
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	350	m^3/sec	-	21/05/2026
Moisture	6 monthly	5.5	%	-	21/05/2026
Oxygen	6 monthly	6.8	%	-	21/05/2026
Solid Particles	Quarterly	9	mg/m^3	-	21/05/2026
Temperature	6 monthly	123	Deg C	-	21/05/2026
Carbon dioxide	6 monthly	12.8	%	-	21/05/2026
Chlorine	6 monthly	<0.005	mg/m^3	-	21/05/2026
Fluorine	6 monthly	9.9	mg/m^3	-	21/05/2026
Hydrogen chloride	6 monthly	13	mg/m^3	-	21/05/2026
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.4	mg/m^3	-	21/05/2026
Volatile organic compounds as n-	6 monthly	7.6	mg/m^3	-	21/05/2026
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		330	m^3/sec	-	21/05/2026
Moisture		5.5	%	-	21/05/2026
Oxygen		8.1	%	-	21/05/2026
Solid Particles	Quarterly	18	mg/m^3	-	21/05/2026
Temperature		125	Deg C	-	21/05/2026
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
-	0.5	17.24	7.45	32.58	87.5	6.94	131	3.00

Laboratory Analysis

Name	Reading	Units	Licence Limit	Date
Aluminium	0.034	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0017	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	<0.001	mg/L	-	3/07/26
Electrical Conductivity	51,900	uS/cm	-	3/07/26
Iron	0.043	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0039	mg/L	-	3/07/26
Molybdenum	0.0125	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	0.004	mg/L	-	3/07/26
Total Nitrogen	0.14	mg/L	-	3/07/26
pH	8.04	pH units	-	3/07/26
Total Phosphorus	0.011	mg/L	-	3/07/26
Reactive Phosphorus	0.003	mg/L	-	3/07/26
Selenium	<0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

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
-	0.5	18.01	7.53	33.14	86.9	6.72	137	4.25

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.014	mg/L	-	3/07/26
Ammonia	<0.010	mg/L	-	3/07/26
Arsenic	0.0017	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	<0.001	mg/L	-	3/07/26
Electrical Conductivity	50,000	uS/cm	-	3/07/26
Iron	0.019	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0034	mg/L	-	3/07/26
Molybdenum	0.0124	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	<0.002	mg/L	-	3/07/26
Total Nitrogen	0.16	mg/L	-	3/07/26
pH	8.06	pH units	-	3/07/26
Total Phosphorus	0.012	mg/L	-	3/07/26
Reactive Phosphorus	0.003	mg/L	-	3/07/26
Selenium	<0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

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	0.5	17.48	7.44	32.70	89.3	7.01	132	3.75

Laboratory Analysis				
Name	**Reading**	**Units**	**Licence**	**Date**
Aluminium	0.015	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0017	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Cadmium	<0.0002	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Copper	<0.001	mg/L	-	3/07/26
Electrical Conductivity	51,000	uS/cm	-	3/07/26
Iron	0.012	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0064	mg/L	-	3/07/26
Molybdenum	0.0123	mg/L	-	3/07/26
Nickel	0.0006	mg/L	-	3/07/26
Nitrate+Nitrite	0.006	mg/L	-	3/07/26
Total Nitrogen	0.16	mg/L	-	3/07/26
pH	8.18	pH units	-	3/07/26
Total Phosphorus	0.012	mg/L	-	3/07/26
Reactive Phosphorus	0.002	mg/L	-	3/07/26
Selenium	<0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

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
^{0}C	m	0C	pH unit	ppt	%	mg/L	mV	m
-	0.5	16.85	7.77	30.94	101.9	8.03	153	3.25

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.011	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0018	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	<0.001	mg/L	-	3/07/26
Electrical Conductivity	52,200	uS/cm	-	3/07/26
Iron	0.023	mg/L	-	3/07/26
Lead	0.0003	mg/L	-	3/07/26
Manganese	0.0025	mg/L	-	3/07/26
Molybdenum	0.0119	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	<0.002	mg/L	-	3/07/26
Total Nitrogen	0.13	mg/L	-	3/07/26
pH	8.21	pH units	-	3/07/26
Total Phosphorus	0.011	mg/L	-	3/07/26
Reactive Phosphorus	0.003	mg/L	-	3/07/26
Selenium	<0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

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
^{0}C	m	0C	pH unit	ppt	%	mg/L	mV	m
-	0.5	20.18	7.49	33.53	91.9	6.71	135	2.75

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.031	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0016	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	<0.001	mg/L	-	3/07/26
Electrical Conductivity	52,600	uS/cm	-	3/07/26
Iron	0.061	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0063	mg/L	-	3/07/26
Molybdenum	0.0122	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	<0.002	mg/L	-	3/07/26
Total Nitrogen	0.18	mg/L	-	3/07/26
pH	8.00	pH units	-	3/07/26
Total Phosphorus	0.019	mg/L	-	3/07/26
Reactive Phosphorus	0.004	mg/L	-	3/07/26
Selenium	0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

EPA Identification no. 45 – Myuna Bay south of Outlet

Field Water Quality Recordings

Air Temp	Depth	Water Temp	pH	Salinity	Dissolved Oxygen		Redox	Secchi
^{0}C	m	0C	pH unit	ppt	%	mg/L	mV	m
-	0.5	22.47	7.43	32.80	102.9	7.40	136	bottom

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.042	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0017	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.001	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	0.001	mg/L	-	3/07/26
Electrical Conductivity	51,400	uS/cm	-	3/07/26
Iron	0.086	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0048	mg/L	-	3/07/26
Molybdenum	0.0125	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	0.006	mg/L	-	3/07/26
Total Nitrogen	0.18	mg/L	-	3/07/26
pH	8.02	pH units	-	3/07/26
Total Phosphorus	0.016	mg/L	-	3/07/26
Reactive Phosphorus	0.003	mg/L	-	3/07/26
Selenium	<0.002	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26

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	0.308	mg/L	-	3/07/26
Ammonia	1.83	mg/L	-	3/07/26
Arsenic	0.0090	mg/L	-	3/07/26
Arsenic III	<0.0005	mg/L	-	3/07/26
Arsenic V	0.005	mg/L	-	3/07/26
Chromium	0.0017	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.01	mg/L	-	3/07/26
Cobalt	0.0005	mg/L	-	3/07/26
Copper	0.0063	mg/L	-	3/07/26
Electrical Conductivity	7,020	uS/cm	-	3/07/26
Iron	0.351	mg/L	-	3/07/26
Lead	0.0008	mg/L	-	3/07/26
Manganese	0.184	mg/L	-	3/07/26
Molybdenum	0.243	mg/L	-	3/07/26
Nickel	0.0035	mg/L	-	3/07/26
Nitrate+Nitrite	5.39	mg/L	-	3/07/26
Total Nitrogen	8.7	mg/L	-	3/07/26
pH	7.76	pH units	-	3/07/26
Total Phosphorus	0.34	mg/L	-	3/07/26
Reactive Phosphorus	0.22	mg/L	-	3/07/26
Selenium	0.0198	mg/L	-	3/07/26
Zinc	0.017	mg/L	-	3/07/26

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	0.052	mg/L	-	3/07/26
Ammonia	<0.005	mg/L	-	3/07/26
Arsenic	0.0017	mg/L	-	3/07/26
Arsenic III	<0.008	mg/L	-	3/07/26
Arsenic V	<0.008	mg/L	-	3/07/26
Chromium	<0.0005	mg/L	-	3/07/26
Chromium (Trivalent)	<0.001	mg/L	-	3/07/26
Chromium (VI) Compounds	<0.01	mg/L	-	3/07/26
Cobalt	<0.0002	mg/L	-	3/07/26
Copper	0.0011	mg/L	-	3/07/26
Electrical Conductivity	53,100	uS/cm	-	3/07/26
Iron	0.056	mg/L	-	3/07/26
Lead	<0.0002	mg/L	-	3/07/26
Manganese	0.0041	mg/L	-	3/07/26
Molybdenum	0.0124	mg/L	-	3/07/26
Nickel	<0.0005	mg/L	-	3/07/26
Nitrate+Nitrite	<0.01	mg/L	-	3/07/26
Total Nitrogen	<0.1	mg/L	-	3/07/26
pH	8.03	pH units	-	3/07/26
Total Phosphorus	0.01	mg/L	-	3/07/26
Reactive Phosphorus	<0.01	mg/L	-	3/07/26
Selenium	0.001	mg/L	-	3/07/26
Zinc	<0.005	mg/L	-	3/07/26
Dissolved Oxygen	7.85	mg/L	-	3/07/26
Field Temperature	18.1	degC	-	3/07/26
Salinity	28.29	ppt	-	3/07/26
Secchi Disk	3.25	m	-	3/07/26
Temperature – Average	16.10	deg C	-	July 26
Temperature – Minimum	10.37	deg C	-	July 26
Temperature - Maximum	18.03	deg C	-	July 26

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	0.0013	mg/L	0.005	3/07/26
Iron	0.096	mg/L	0.3	3/07/26
Selenium	0.002	mg/L	0.002	3/07/26

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	23.63	deg C	35.5	37.5	38.5	July 26
Temperature – Minimum	19.66	deg C				July 26
Temperature - Maximum	27.25	deg C				July 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	3.60	ML		July 26
Average Daily Discharge from Ash Dam	7.09	ML		July 26
Maximum Daily Discharge from Ash Dam	13.81	ML	150	July 26
Monthly Discharge from Ash Dam	212.55	ML	-	July 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 (1 discharge events).

Name	Units	Min reading	Average reading	Maximum Reading	Project Criteria	Number of samples
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	-	1
Chromium (hexavalant)	mg/L	<0.01	<0.01	<0.01	-	1
Chromium (trivalent)	mg/L	<0.01	<0.01	<0.01	-	1
Copper	µg/L	0.6	0.6	0.6	-	1
Lead	mg/L	<0.001	<0.001	<0.001		1
Manganese	mg/L	0.021	0.021	0.021	-	1
Nickel	mg/L	0.001	0.001	0.001	-	1
PFOS	µg/L	0.0058	0.0058	0.0058	0.13 ug/L	1
PFOA	µg/L	0.0021	0.0021	0.0021	220 ug/L	1
pH	pH Units	8.33	8.33	8.33	6.5-9	1
Selenium	µg/L	0.9	0.9	0.9	-	1
Total Suspended solids	mg/L	<5	<5	<5	50mg/L	1
Vanadium	mg/L	<0.01	<0.01	<0.01	-	1
Zinc	µg/L	10	10	10	-	1

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

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 (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		-	

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

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	-	-	