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

Environmental Monitoring Data August 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 11-31 August 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
1/08/2026	419	480	314	687	787	496
2/08/2026	409	465	338	668	761	533
3/08/2026	396	435	327	674	799	532
4/08/2026	437	498	285	652	754	543
5/08/2026	407	467	309	707	826	518
6/08/2026	544	606	437	654	737	541
7/08/2026	492	506	445	636	720	482
8/08/2026	500	676	429	648	739	525
9/08/2026	569	648	471	626	736	508
10/08/2026	430	495	299	668	768	531
11/08/2026	-	-	-	-	-	-
12/08/2026	-	-	-	-	-	-
13/08/2026	-	-	-	-	-	-
14/08/2026	-	-	-	-	-	-
15/08/2026	-	-	-	-	-	-
16/08/2026	-	-	-	-	-	-
17/08/2026	-	-	-	-	-	-
18/08/2026	-	-	-	-	-	-
19/08/2026	-	-	-	-	-	-
20/08/2026	-	-	-	-	-	-
21/08/2026	-	-	-	-	-	-
22/08/2026	-	-	-	-	-	-
23/08/2026	-	-	-	-	-	-
24/08/2026	-	-	-	-	-	-
25/08/2026	-	-	-	-	-	-
26/08/2026	-	-	-	-	-	-
27/08/2026	-	-	-	-	-	-
28/08/2026	-	-	-	-	-	-
29/08/2026	-	-	-	-	-	-
30/08/2026	-	-	-	-	-	-
31/08/2026	-	-	-	-	-	-

Unit 2 Boiler Continuous Emission Monitoring Summary

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

	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
1/08/2026	321	420	242	534	634	440
2/08/2026	289	389	245	529	646	445
3/08/2026	310	355	282	568	669	489
4/08/2026	317	360	278	559	626	520
5/08/2026	336	416	281	566	639	530
6/08/2026	408	462	290	539	592	510
7/08/2026	408	492	318	525	574	459
8/08/2026	367	464	306	501	565	446
9/08/2026	344	428	273	522	627	445
10/08/2026	408	493	291	564	611	537
11/08/2026	419	526	341	539	634	456
12/08/2026	351	427	299	567	659	516
13/08/2026	366	412	324	547	640	480
14/08/2026	332	401	288	576	663	549
15/08/2026	314	383	283	575	692	516
16/08/2026	287	316	259	529	598	469
17/08/2026	316	344	289	550	601	496
18/08/2026	311	363	273	551	627	439
19/08/2026	335	376	259	560	669	478
20/08/2026	335	384	276	574	728	465
21/08/2026	355	382	326	569	684	539
22/08/2026	365	424	314	568	671	546
23/08/2026	384	479	258	543	651	480
24/08/2026	341	430	275	568	653	522
25/08/2026	419	442	386	593	662	536
26/08/2026	393	490	263	614	717	552
27/08/2026	425	470	351	639	793	596
28/08/2026	405	455	279	588	675	477
29/08/2026	353	414	276	552	670	496
30/08/2026	364	450	266	536	639	464
31/08/2026	370	449	292	578	666	547

Unit 3 Boiler Continuous Emission Monitoring Summary

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

	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
1/08/2026	370	466	261	767	801	681
2/08/2026	338	388	298	774	796	741
3/08/2026	338	429	247	768	790	714
4/08/2026	355	393	320	752	808	616
5/08/2026	366	430	335	768	810	635
6/08/2026	410	487	365	714	754	633
7/08/2026	392	453	330	681	740	604
8/08/2026	381	425	327	708	773	668
9/08/2026	356	398	325	712	731	651
10/08/2026	378	448	282	729	773	640
11/08/2026	419	458	363	729	781	695
12/08/2026	392	447	331	743	796	641
13/08/2026	402	476	333	715	807	681
14/08/2026	362	404	303	762	837	661
15/08/2026	381	412	344	778	823	702
16/08/2026	358	408	277	760	785	738
17/08/2026	369	433	298	790	852	700
18/08/2026	361	430	327	801	875	676
19/08/2026	392	418	366	809	863	718
20/08/2026	376	444	350	748	801	661
21/08/2026	398	474	289	743	787	694
22/08/2026	370	438	316	760	797	684
23/08/2026	389	449	322	741	772	646
24/08/2026	377	412	317	742	791	650
25/08/2026	401	446	351	767	793	678
26/08/2026	365	428	309	806	835	785
27/08/2026	381	478	315	818	849	705
28/08/2026	383	461	296	762	803	696
29/08/2026	400	476	299	752	796	697
30/08/2026	390	470	331	730	747	625
31/08/2026	399	458	344	766	808	655

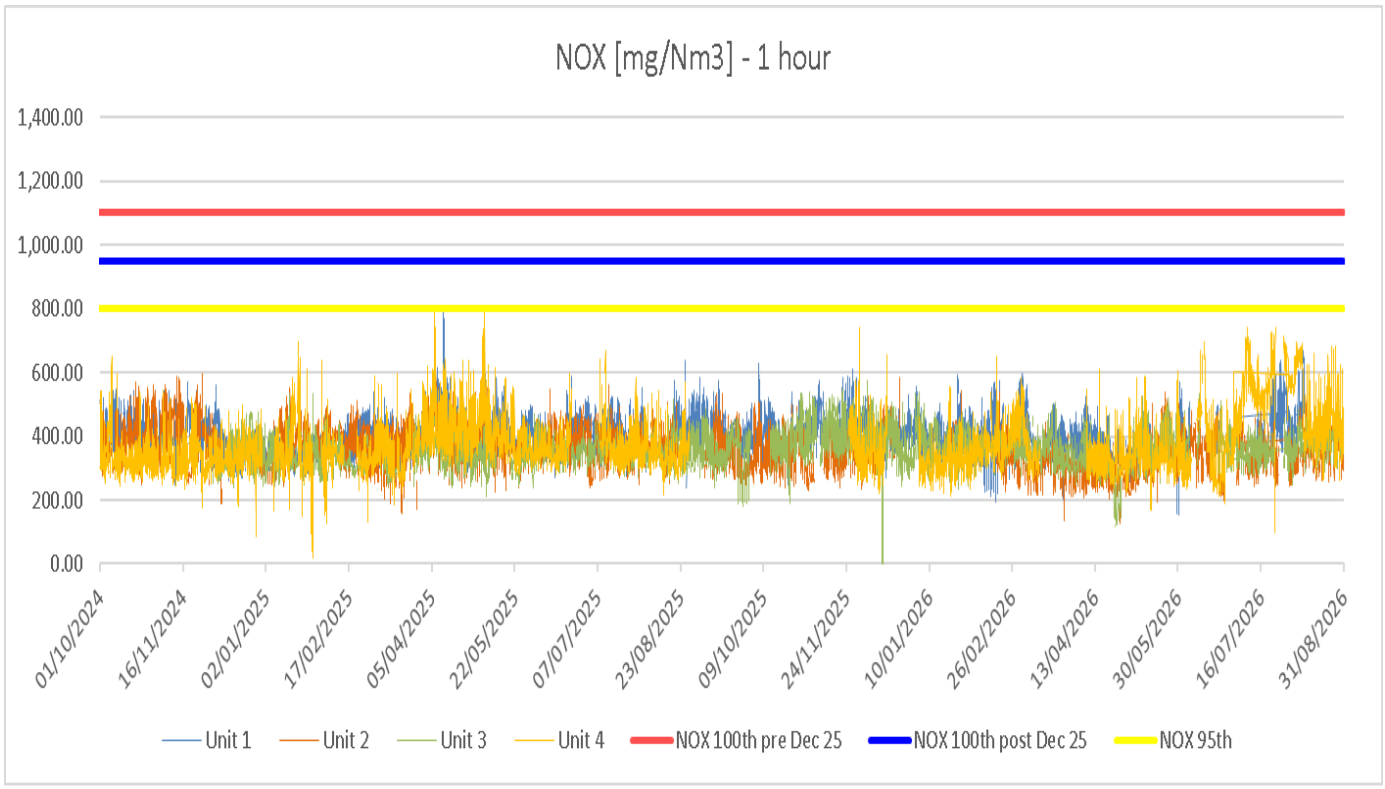
Continuous Emission Monitoring Summary NOx Data

Unit 4 Boiler Continuous Emission Monitoring Summary -

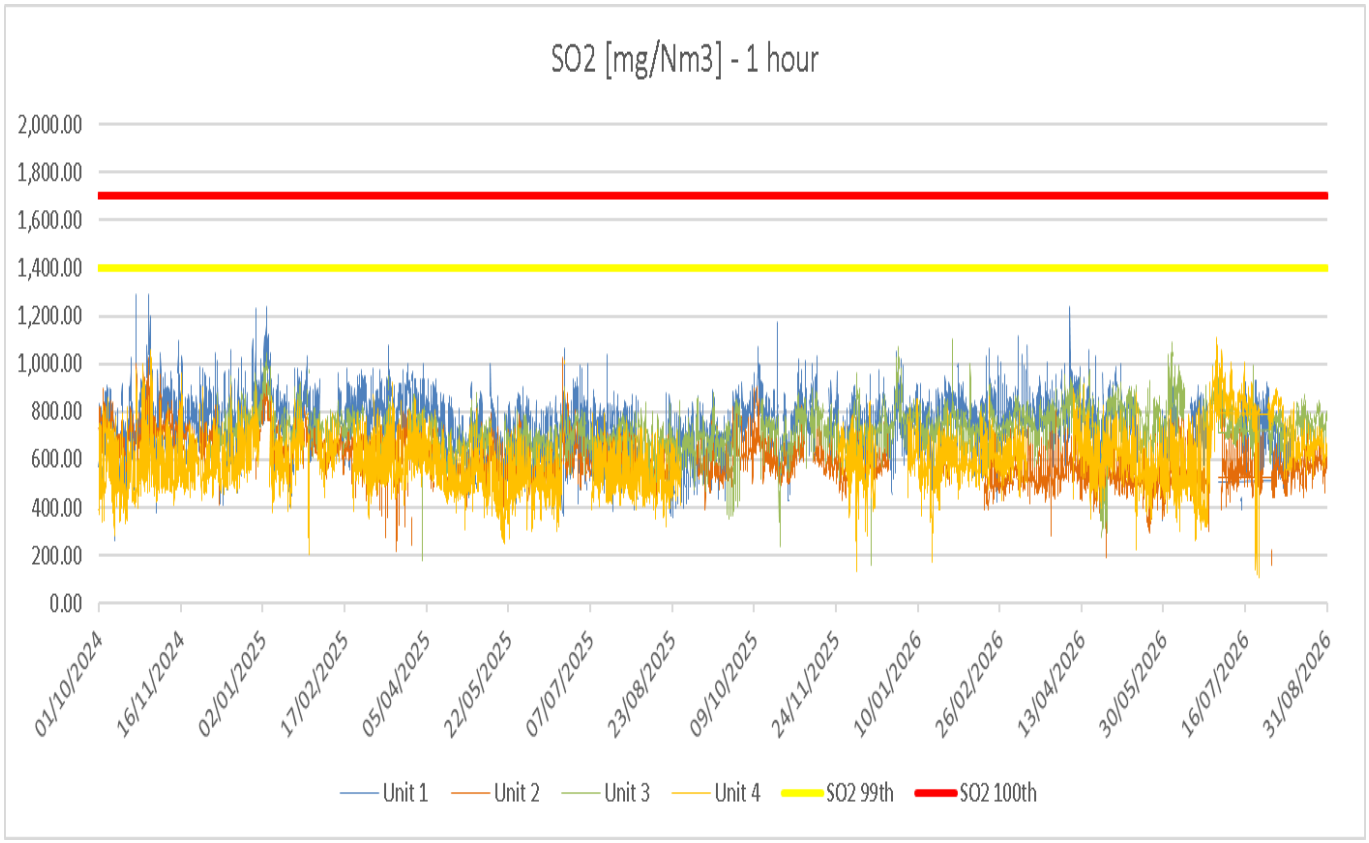
EPA Identification no. 6 - Air emissions monitoring, Boiler 4 stack discharge to air

	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
1/08/2026	575	597	552	837	865	778
2/08/2026	565	592	534	866	900	825
3/08/2026	556	594	528	873	887	828
4/08/2026	605	653	543	833	854	794
5/08/2026	632	698	595	843	861	812
6/08/2026	648	673	615	806	831	757
7/08/2026	651	681	613	621	825	522
8/08/2026	645	691	609	572	758	517
9/08/2026	436	568	336	591	771	558
10/08/2026	394	531	354	612	785	548
11/08/2026	422	626	372	608	811	550
12/08/2026	394	625	345	636	810	601
13/08/2026	407	574	353	618	843	555
14/08/2026	389	447	311	643	740	589
15/08/2026	470	663	351	648	699	602
16/08/2026	415	570	282	620	677	564
17/08/2026	424	518	331	648	730	616
18/08/2026	440	599	314	670	740	615
19/08/2026	424	587	348	657	769	595
20/08/2026	361	504	263	612	665	539
21/08/2026	464	593	356	637	748	594
22/08/2026	423	556	367	625	731	600
23/08/2026	463	656	360	614	676	585
24/08/2026	458	597	341	621	726	523
25/08/2026	478	685	422	663	689	640
26/08/2026	433	675	300	676	740	639
27/08/2026	449	683	300	679	735	658
28/08/2026	434	595	329	651	722	621
29/08/2026	405	599	262	624	731	555
30/08/2026	427	626	316	609	670	568
31/08/2026	421	610	327	638	690	613

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
14.25	0.5	16.09	8.01	33.55	86.7	6.95	253	3.00

Laboratory Analysis

Name	Reading	Units	Licence Limit	Date
Aluminium	0.021	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0017	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Chromium	0.0007	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Cobalt	0.0002	mg/L	-	14/08/26
Copper	<0.001	mg/L	-	14/08/26
Electrical Conductivity	51,900	uS/cm	-	14/08/26
Iron	0.04	mg/L	-	14/08/26
Lead	<0.0002	mg/L	-	14/08/26
Manganese	0.005	mg/L	-	14/08/26
Molybdenum	0.0124	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	<0.002	mg/L	-	14/08/26
Total Nitrogen	0.26	mg/L	-	14/08/26
pH	8.05	pH units	-	14/08/26
Total Phosphorus	0.012	mg/L	-	14/08/26
Reactive Phosphorus	0.004	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	<0.005	mg/L	-	14/08/26

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
14.72	0.5	18.75	7.98	33.47	98.2	7.51	209	4.25

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.02	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0017	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Chromium	0.0006	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Cobalt	<0.0002	mg/L	-	14/08/26
Copper	<0.001	mg/L	-	14/08/26
Electrical Conductivity	50,800	uS/cm	-	14/08/26
Iron	0.043	mg/L	-	14/08/26
Lead	<0.0002	mg/L	-	14/08/26
Manganese	0.0047	mg/L	-	14/08/26
Molybdenum	0.0118	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	<0.002	mg/L	-	14/08/26
Total Nitrogen	0.19	mg/L	-	14/08/26
pH	8.05	pH units	-	14/08/26
Total Phosphorus	0.012	mg/L	-	14/08/26
Reactive Phosphorus	0.003	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	<0.005	mg/L	-	14/08/26

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
14.68	0.5	16.81	8.00	33.34	97.5	7.73	280	4.75

Laboratory Analysis				
Name	**Reading**	**Units**	**Licence**	**Date**
Aluminium	0.016	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0017	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Cadmium	<0.0002	mg/L	-	14/08/26
Chromium	0.0006	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Copper	<0.001	mg/L	-	14/08/26
Electrical Conductivity	51,500	uS/cm	-	14/08/26
Iron	0.024	mg/L	-	14/08/26
Lead	<0.0002	mg/L	-	14/08/26
Manganese	0.0041	mg/L	-	14/08/26
Molybdenum	0.0125	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	<0.002	mg/L	-	14/08/26
Total Nitrogen	0.23	mg/L	-	14/08/26
pH	8.08	pH units	-	14/08/26
Total Phosphorus	0.01	mg/L	-	14/08/26
Reactive Phosphorus	0.003	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	<0.005	mg/L	-	14/08/26

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
^{0}C	m	0C	pH unit	ppt	%	mg/L	mV	m
13.73	0.5	15.35	8.08	34.21	90.6	7.32	140	5.75

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.014	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0018	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Chromium	0.0009	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Cobalt	<0.0002	mg/L	-	14/08/26
Copper	0.001	mg/L	-	14/08/26
Electrical Conductivity	52,400	uS/cm	-	14/08/26
Iron	0.028	mg/L	-	14/08/26
Lead	0.0004	mg/L	-	14/08/26
Manganese	0.0017	mg/L	-	14/08/26
Molybdenum	0.0116	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	<0.002	mg/L	-	14/08/26
Total Nitrogen	0.19	mg/L	-	14/08/26
pH	8.07	pH units	-	14/08/26
Total Phosphorus	0.006	mg/L	-	14/08/26
Reactive Phosphorus	0.004	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	0.013	mg/L	-	14/08/26

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
15.4	0.5	17.85	7.99	33.75	94.3	7.33	243	5.25

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.018	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0018	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Chromium	<0.0005	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Cobalt	<0.0002	mg/L	-	14/08/26
Copper	<0.001	mg/L	-	14/08/26
Electrical Conductivity	51,400	uS/cm	-	14/08/26
Iron	0.044	mg/L	-	14/08/26
Lead	<0.0002	mg/L	-	14/08/26
Manganese	0.0037	mg/L	-	14/08/26
Molybdenum	0.0116	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	<0.002	mg/L	-	14/08/26
Total Nitrogen	0.21	mg/L	-	14/08/26
pH	8.06	pH units	-	14/08/26
Total Phosphorus	0.012	mg/L	-	14/08/26
Reactive Phosphorus	0.003	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	<0.005	mg/L	-	14/08/26

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
16.48	0.5	21.51	7.91	33.96	93.9	6.80	250	1.00

Laboratory Analysis

Name	Reading	Units	Licence	Date
Aluminium	0.025	mg/L	-	14/08/26
Ammonia	<0.005	mg/L	-	14/08/26
Arsenic	0.0016	mg/L	-	14/08/26
Arsenic III	<0.008	mg/L	-	14/08/26
Arsenic V	<0.008	mg/L	-	14/08/26
Chromium	0.0007	mg/L	-	14/08/26
Chromium (Trivalent)	<0.001	mg/L	-	14/08/26
Chromium (VI) Compounds	<0.001	mg/L	-	14/08/26
Cobalt	<0.0002	mg/L	-	14/08/26
Copper	0.001	mg/L	-	14/08/26
Electrical Conductivity	51,300	uS/cm	-	14/08/26
Iron	0.062	mg/L	-	14/08/26
Lead	<0.0002	mg/L	-	14/08/26
Manganese	0.0042	mg/L	-	14/08/26
Molybdenum	0.0118	mg/L	-	14/08/26
Nickel	<0.0005	mg/L	-	14/08/26
Nitrate+Nitrite	0.008	mg/L	-	14/08/26
Total Nitrogen	0.25	mg/L	-	14/08/26
pH	7.98	pH units	-	14/08/26
Total Phosphorus	0.011	mg/L	-	14/08/26
Reactive Phosphorus	0.003	mg/L	-	14/08/26
Selenium	<0.002	mg/L	-	14/08/26
Zinc	0.015	mg/L	-	14/08/26

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	5.64	mg/L	-	10/08/26
Ammonia	3.66	mg/L	-	10/08/26
Arsenic	0.0164	mg/L	-	10/08/26
Arsenic III	<0.0005	mg/L	-	10/08/26
Arsenic V	0.0085	mg/L	-	10/08/26
Chromium	0.0134	mg/L	-	10/08/26
Chromium (Trivalent)	<0.001	mg/L	-	10/08/26
Chromium (VI) Compounds	<0.01	mg/L	-	10/08/26
Cobalt	0.0028	mg/L	-	10/08/26
Copper	0.0335	mg/L	-	10/08/26
Electrical Conductivity	6,890	uS/cm	-	10/08/26
Iron	3.58	mg/L	-	10/08/26
Lead	0.0068	mg/L	-	10/08/26
Manganese	0.350	mg/L	-	10/08/26
Molybdenum	0.382	mg/L	-	10/08/26
Nickel	0.0103	mg/L	-	10/08/26
Nitrate+Nitrite	11.7	mg/L	-	10/08/26
Total Nitrogen	16.6	mg/L	-	10/08/26
pH	6.69	pH units	-	10/08/26
Total Phosphorus	1.03	mg/L	-	10/08/26
Reactive Phosphorus	0.60	mg/L	-	10/08/26
Selenium	0.0366	mg/L	-	10/08/26
Zinc	0.025	mg/L	-	10/08/26

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	0.047	mg/L	-	10/08/26
Ammonia	<0.005	mg/L	-	10/08/26
Arsenic	0.0017	mg/L	-	10/08/26
Arsenic III	<0.008	mg/L	-	10/08/26
Arsenic V	<0.008	mg/L	-	10/08/26
Chromium	<0.0005	mg/L	-	10/08/26
Chromium (Trivalent)	<0.001	mg/L	-	10/08/26
Chromium (VI) Compounds	<0.01	mg/L	-	10/08/26
Cobalt	<0.0002	mg/L	-	10/08/26
Copper	0.0008	mg/L	-	10/08/26
Electrical Conductivity	51,200	uS/cm	-	10/08/26
Iron	0.061	mg/L	-	10/08/26
Lead	<0.0002	mg/L	-	10/08/26
Manganese	0.0035	mg/L	-	10/08/26
Molybdenum	0.0119	mg/L	-	10/08/26
Nickel	<0.0005	mg/L	-	10/08/26
Nitrate+Nitrite	0.003	mg/L	-	10/08/26
Total Nitrogen	0.20	mg/L	-	10/08/26
pH	8.05	pH units	-	10/08/26
Total Phosphorus	0.015	mg/L	-	10/08/26
Reactive Phosphorus	0.006	mg/L	-	10/08/26
Selenium	0.001	mg/L	-	10/08/26
Zinc	<0.005	mg/L	-	10/08/26
Dissolved Oxygen	8.41	mg/L	-	10/08/26
Field Temperature	15.5	degC	-	10/08/26
Salinity	33.65	ppt	-	10/08/26
Secchi Disk	3.75	m	-	10/08/26
Temperature – Average	17.02	deg C	-	August 26
Temperature – Minimum	15.23	deg C	-	August 26
Temperature - Maximum	19.99	deg C	-	August 26

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	0.0010	mg/L	0.005	10/08/26
Iron	0.063	mg/L	0.3	10/08/26
Selenium	<0.001	mg/L	0.002	10/08/26

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	24.76	deg C	35.5	37.5	38.5	August 26
Temperature – Minimum	19.59	deg C				August 26
Temperature - Maximum	30.47	deg C				August 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	0.29	ML		August 26
Average Daily Discharge from Ash Dam	3.66	ML		August 26
Maximum Daily Discharge from Ash Dam	8.44	ML	150	August 26
Monthly Discharge from Ash Dam	113.32	ML	-	August 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

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 (not discharging, no samples collected).

Name	Units	Min reading	Average reading	Maximum Reading	Project Criteria	Number of samples
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	-	-	-	-	-

Daily Volume Discharged (ML)		
Min	Ave	Max

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	-	-	-