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

Environmental Monitoring Data May 2025



Compliance Summary:

Were all EPL monitoring limits met	Yes

Details of EPL Non- compliances

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	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 1A Boiler Continuous Emission Monitoring Summary

EPA Identification no.7 - Air emissions monitoring, Boiler 1 stack discharge to air
Unit 1A data invalidated 5 & 6 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	388	454	349	671	926	457
02/05/2025	378	449	343	605	802	398
03/05/2025	419	476	359	655	795	497
04/05/2025	436	513	379	736	882	482
05/05/2025	-	-	-	-	-	-
06/05/2025	-	-	-	-	-	-
07/05/2025	458	517	397	748	870	608
08/05/2025	445	532	396	595	705	501
09/05/2025	413	445	373	578	724	468
10/05/2025	432	496	376	602	729	454
11/05/2025	445	533	336	684	774	514
12/05/2025	470	583	406	718	1004	601
13/05/2025	441	522	398	760	856	616
14/05/2025	432	466	394	731	818	633
15/05/2025	493	540	447	653	775	548
16/05/2025	509	556	461	699	867	545
17/05/2025	404	482	328	597	676	490
18/05/2025	429	470	374	525	720	346
19/05/2025	421	459	377	528	693	354
20/05/2025	415	456	384	626	794	517
21/05/2025	403	448	376	621	788	495
22/05/2025	392	424	368	601	829	426
23/05/2025	378	393	356	630	843	443
24/05/2025	352	394	308	612	721	511
25/05/2025	380	423	338	652	776	457
26/05/2025	422	479	362	624	821	417
27/05/2025	387	433	355	687	854	414
28/05/2025	406	480	366	681	877	493
29/05/2025	420	465	354	702	865	509
30/05/2025	455	483	417	716	906	504
31/05/2025	444	499	374	641	797	466

Unit 1B Boiler Continuous Emission Monitoring Summary

EPA Identification no.7 - Air emissions monitoring, Boiler 1 stack discharge to air
Unit 1B data invalidated 5 & 6 May 2025
SO_2 data Invalidated 29 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	336	377	306	779	865	653
02/05/2025				725	769	666
03/05/2025	357	391	317	729	759	678
04/05/2025	384	458	332	806	891	701
05/05/2025	-	-	-	-	-	-
06/05/2025	-	-	-	-	-	-
07/05/2025	377	428	333	736	793	635
08/05/2025	375	419	340	666	722	620
09/05/2025	335	372	304	672	717	639
10/05/2025	351	395	312	685	720	633
11/05/2025	372	412	291	763	803	700
12/05/2025	387	479	334	756	864	675
13/05/2025	349	380	327	760	793	732
14/05/2025	360	397	326	696	744	660
15/05/2025	382	424	355	682	730	631
16/05/2025	403	462	357	703	774	631
17/05/2025	358	414	302	615	655	582
18/05/2025	387	446	309	636	911	583
19/05/2025	350	374	327	628	669	595
20/05/2025	359	419	325	698	721	644
21/05/2025	365	418	337	707	732	672
22/05/2025	348	397	317	694	734	663
23/05/2025	327	355	295	688	729	644
24/05/2025	304	337	280	663	737	623
25/05/2025	326	357	294	734	777	679
26/05/2025	371	418	323	712	737	686
27/05/2025	342	388	311	775	851	692
28/05/2025	359	428	313	738	808	666
29/05/2025	358	393	314	-	-	-
30/05/2025	388	420	353	709	754	643
31/05/2025	360	407	301	747	812	695

Unit 2A Boiler Continuous Emission Monitoring Summary

EPA Identification no. 9 - Air emissions monitoring, Boiler 2 stack discharge to air
Unit 2A data invalidated 5 & 6 May 2025
Unit 2A offline 30 & 31 May 2025
NOx data invalidated 8, 9, 18 &19 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	322	378	255	565	737	513
02/05/2025	372	462	274	548	648	505
03/05/2025	427	502	342	593	652	543
04/05/2025	429	471	372	639	736	570
05/05/2025	-	-	-	-	-	-
06/05/2025	-	-	-	-	-	-
07/05/2025	414	467	350	594	676	530
08/05/2025	-	-	-	542	582	445
09/05/2025	-	-	-	549	582	481
10/05/2025	336	393	276	567	614	525
11/05/2025	322	413	226	595	652	538
12/05/2025	363	414	279	638	693	598
13/05/2025	355	387	298	620	680	547
14/05/2025	379	442	335	582	632	544
15/05/2025	366	451	288	579	615	528
16/05/2025	376	419	270	593	626	552
17/05/2025	297	364	229	513	553	472
18/05/2025	-	-	-	500	573	459
19/05/2025	-	-	-	471	532	402
20/05/2025	357	375	345	552	589	518
21/05/2025	362	392	327	564	583	518
22/05/2025	350	390	320	557	597	522
23/05/2025	340	379	278	565	594	528
24/05/2025	313	372	239	564	608	524
25/05/2025	336	392	259	594	619	542
26/05/2025	372	415	314	581	611	558
27/05/2025	354	404	287	611	669	535
28/05/2025	365	427	303	603	664	558
29/05/2025	375	437	282	576	653	490
30/05/2025	-	-	-	-	-	-
31/05/2025	-	-	-	-	-	-

Unit 2B Boiler Continuous Emission Monitoring Summary

EPA Identification no. 10 - Air emissions monitoring, Boiler 2 stack discharge to air
Unit 2B data invalidated 5, 6 &14 May 2025
Unit 2B offline 30 & 31 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	376	432	324	736	845	629
02/05/2025	427	540	339	691	745	657
03/05/2025	509	636	442	721	774	673
04/05/2025	528	663	429	772	842	668
05/05/2025	-	-	-	-	-	-
06/05/2025	-	-	-	-	-	-
07/05/2025	520	631	432	740	848	631
08/05/2025	410	478	374	660	700	563
09/05/2025	388	416	349	666	695	600
10/05/2025	383	422	339	682	727	615
11/05/2025	385	446	307	715	764	604
12/05/2025	417	458	343	767	798	736
13/05/2025	403	453	340	750	838	661
14/05/2025	-	-	-	-	-	-
15/05/2025	415	496	350	695	741	661
16/05/2025	436	479	335	714	754	653
17/05/2025	365	428	281	609	661	542
18/05/2025	397	438	317	635	697	574
19/05/2025	393	442	321	623	699	509
20/05/2025	403	465	380	690	715	665
21/05/2025	415	471	392	699	729	666
22/05/2025	376	404	334	696	732	662
23/05/2025	374	404	324	696	724	655
24/05/2025	363	403	310	688	733	638
25/05/2025	390	442	326	726	760	661
26/05/2025	425	490	374	710	740	686
27/05/2025	410	448	359	751	817	677
28/05/2025	413	449	360	738	793	678
29/05/2025	416	450	363	711	765	643
30/05/2025	-	-	-	-	-	-
31/05/2025	-	-	-	-	-	-

Unit 3A Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air
Unit 3A data invalidated 2, 26 & 29 May 2025
Unit 3A offline 11-19 May 2025
NOx data invalidated 20 & 21 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	337	379	307	754	846	656
02/05/2025	-	-	-	-	-	-
03/05/2025	330	394	244	703	774	642
04/05/2025	351	429	291	799	882	692
05/05/2025	362	432	285	687	707	657
06/05/2025	275	359	213	688	733	574
07/05/2025	293	353	250	721	748	670
08/05/2025	324	354	304	687	743	614
09/05/2025	324	339	306	705	764	640
10/05/2025	308	330	290	689	750	627
11/05/2025	-	-	-	-	-	-
12/05/2025	-	-	-	-	-	-
13/05/2025	-	-	-	-	-	-
14/05/2025	-	-	-	-	-	-
15/05/2025	-	-	-	-	-	-
16/05/2025	-	-	-	-	-	-
17/05/2025	-	-	-	-	-	-
18/05/2025	-	-	-	-	-	-
19/05/2025	-	-	-	-	-	-
20/05/2025	-	-	-	-	-	-
21/05/2025	-	-	-	696	731	638
22/05/2025	325	357	266	680	721	646
23/05/2025	290	309	274	678	713	652
24/05/2025	270	332	241	658	721	605
25/05/2025	300	370	253	704	742	671
26/05/2025	-	-	-	-	-	-
27/05/2025	338	382	305	733	806	659
28/05/2025	343	377	295	699	740	656
29/05/2025	-	-	-	-	-	-
30/05/2025	364	407	308	693	724	671
31/05/2025	325	386	286	731	789	673

Unit 3B Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air
Unit 3B data invalidated 2, 4, 21, 26, 29 & 30 May 2025
Unit 3 B offline 11-19 May 2025
SO_2 data invalidated 5, 9, 20 & 23 May 2025
NOx data invalidated 7, 22, 24, 25, 27 & 28 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	327	357	297	664	759	577
02/05/2025	-	-	-	-	-	-
03/05/2025	325	379	257	641	691	577
04/05/2025	-	-	-	-	-	-
05/05/2025	340	375	293	-	-	-
06/05/2025	294	348	244	639	667	596
07/05/2025	-	-	-	666	728	606
08/05/2025	329	362	300	630	678	563
09/05/2025	312	334	302	-	-	-
10/05/2025	296	321	272	631	668	583
11/05/2025	-	-	-	-	-	-
12/05/2025	-	-	-	-	-	-
13/05/2025	-	-	-	-	-	-
14/05/2025	-	-	-	-	-	-
15/05/2025	-	-	-	-	-	-
16/05/2025	-	-	-	-	-	-
17/05/2025	-	-	-	-	-	-
18/05/2025	-	-	-	-	-	-
19/05/2025	-	-	-	-	-	-
20/05/2025	-	-	-	-	-	-
21/05/2025	-	-	-	-	-	-
22/05/2025	-	-	-	600	646	554
23/05/2025	309	329	288	-	-	-
24/05/2025	-	-	-	630	701	576
25/05/2025	-	-	-	615	692	568
26/05/2025	-	-	-	-	-	-
27/05/2025	-	-	-	655	770	584
28/05/2025	-	-	-	614	673	557
29/05/2025	-	-	-	-	-	-
30/05/2025	-	-	-	-	-	-
31/05/2025	292	361	243	618	734	569

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EPA Identification no. 13 - Air emissions monitoring, Boiler 4 stack discharge to air
Unit 4A data invalidated 12, 26 & 29 May 2025

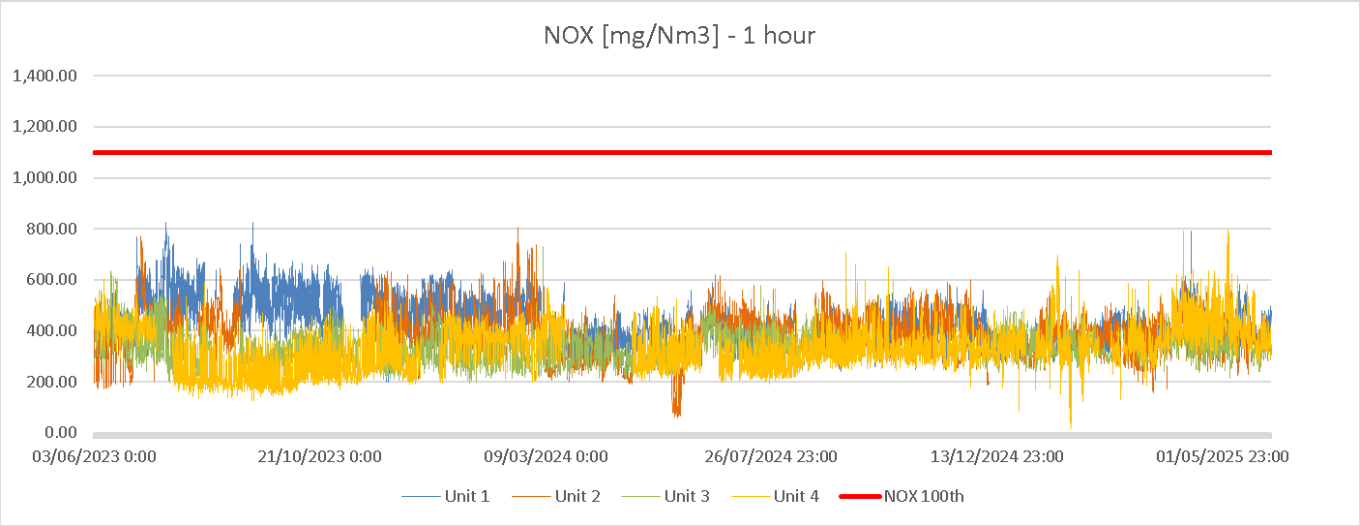
	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	410	516	344	568	735	415
02/05/2025	436	533	388	468	606	384
03/05/2025	464	587	389	570	696	465
04/05/2025	548	737	448	581	692	490
05/05/2025	520	795	377	554	603	466
06/05/2025	423	577	307	555	633	504
07/05/2025	470	625	347	583	731	451
08/05/2025	391	501	318	468	553	356
09/05/2025	345	452	301	455	542	401
10/05/2025	398	528	301	475	587	372
11/05/2025	433	615	343	535	709	417
12/05/2025	-	-	-	-	-	-
13/05/2025	382	491	333	489	618	365
14/05/2025	358	470	330	477	632	417
15/05/2025	377	508	332	435	556	362
16/05/2025	393	432	365	435	533	360
17/05/2025	450	582	313	457	638	331
18/05/2025	379	504	313	370	531	271
19/05/2025	347	385	318	307	425	255
20/05/2025	410	534	332	386	518	252
21/05/2025	406	558	330	410	527	331
22/05/2025	362	547	296	394	532	321
23/05/2025	307	337	284	413	520	269
24/05/2025	345	420	277	487	594	372
25/05/2025	354	430	283	505	621	399
26/05/2025	-	-	-	-	-	-
27/05/2025	385	468	325	529	660	456
28/05/2025	387	464	323	530	636	423
29/05/2025	-	-	-	-	-	-
30/05/2025	359	435	313	522	678	449
31/05/2025	350	415	293	542	698	480

Unit 4B Boiler Continuous Emission Monitoring Summary

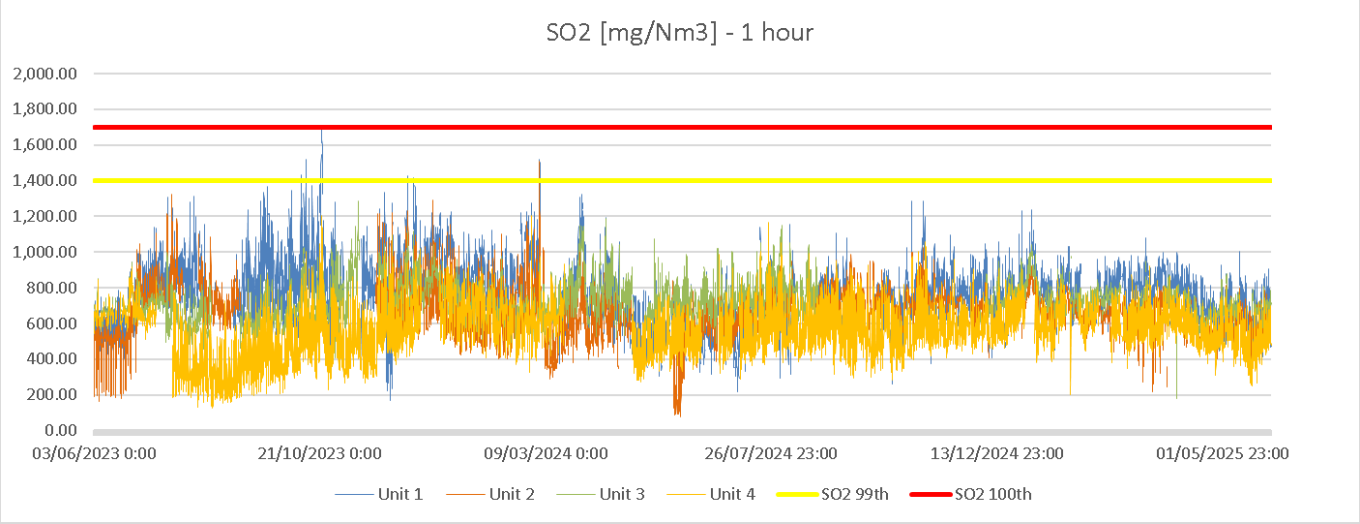
EPA Identification no. 14 – Air emissions monitoring, Boiler 4 stack discharge to air
Unit 4B data invalidated 9, 26 &29 May 2025

	NOx			SO_2		
	mg/Nm^3 (7% O_2)			mg/Nm^3 (7% O_2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
01/05/2025	443	536	377	733	850	547
02/05/2025	494	572	414	639	693	535
03/05/2025	505	595	430	724	788	651
04/05/2025	573	762	492	741	827	639
05/05/2025	535	761	419	685	730	627
06/05/2025	462	546	373	688	719	636
07/05/2025	512	611	410	704	816	580
08/05/2025	458	553	398	637	662	594
09/05/2025	-	-	-	-	-	-
10/05/2025	442	503	373	653	729	560
11/05/2025	465	574	388	719	811	620
12/05/2025	433	467	402	702	762	663
13/05/2025	429	509	393	678	748	595
14/05/2025	410	473	382	659	723	618
15/05/2025	439	509	401	648	700	608
16/05/2025	453	483	405	638	689	557
17/05/2025	480	612	343	623	698	541
18/05/2025	427	527	355	581	657	511
19/05/2025	403	437	368	569	607	510
20/05/2025	446	553	381	624	677	568
21/05/2025	447	564	373	645	697	546
22/05/2025	406	554	327	649	703	575
23/05/2025	352	368	331	630	663	600
24/05/2025	380	437	311	662	743	585
25/05/2025	362	417	310	691	738	645
26/05/2025	-	-	-	-	-	-
27/05/2025	383	425	357	685	773	604
28/05/2025	389	455	338	674	804	547
29/05/2025	-	-	-	-	-	-
30/05/2025	360	411	300	644	758	609
31/05/2025	377	410	333	682	796	610

Continuous Emission Monitoring Summary NOx Data



Continuous Emission Monitoring Summary SO_2 Data



Unit 1 Boiler Emission Test Results

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

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	0.05	mg/m^3	4	10/12/2024
Fluorine	6 monthly	8	mg/m^3	30	10/12/2024
Hydrogen chloride	6 monthly	9.6	mg/m^3	50	10/12/2024
Solid Particles	Quarterly	5.9	mg/m^3	50	29/04/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1	mg/m^3	100	10/12/2024
Volatile organic compounds as n-	6 monthly	<0.07	mg/m^3	8	10/12/2024
Cadmium	6 monthly	<0.00008	mg/m^3	0.03	26/02/2025
Mercury	6 monthly	<0.0003	mg/m^3	0.03	26/02/2025
Type 1 and 2 substances in Aggregate	6 monthly	<0.02	mg/m^3	0.60	26/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	230	m^3/sec	-	29/04/2025
Moisture	6 monthly	5.5	%	-	29/04/2025
Oxygen	6 monthly	9.1	%	-	29/04/2025
Solid Particles	Quarterly	5.1	mg/m^3	-	29/04/2025
Temperature	6 monthly	119	Deg C	-	29/04/2025
Carbon dioxide	6 monthly	11.3	%	-	29/04/2025
Chlorine	6 monthly	<0.03	mg/m^3	-	29/04/2025
Fluorine	6 monthly	8.5	mg/m^3	-	29/04/2025
Hydrogen chloride	6 monthly	7.2	mg/m^3	-	29/04/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.9	mg/m^3	-	29/04/2025
Volatile organic compounds as n-	6 monthly	0.11	mg/m^3	-	29/04/2025
Cadmium	6 monthly	<0.000076	mg/m^3	-	26/02/2025
Mercury	6 monthly	0.00025	mg/m^3	-	26/02/2025
Type 1 and Type 2 substances in	6 monthly	<0.024	mg/m^3	-	26/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		250	m^3/sec	-	29/04/2025
Moisture		5.3	%	-	29/04/2025
Oxygen		9.2	%	-	29/04/2025
Solid Particles	Quarterly	6.6	mg/m^3	-	29/04/2025
Temperature		115	Deg C	-	29/04/2025
Cadmium	6 monthly	<0.00008	mg/m^3	-	26/02/2025
Mercury	6 monthly	<0.0004	mg/m^3	-	26/02/2025
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.017	mg/m^3	-	26/02/2025

Unit 2 Boiler Emission Test Results

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

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	<0.02	mg/m^3	4	9/01/2025
Fluorine	6 monthly	8.5	mg/m^3	30	9/01/2025
Hydrogen chloride	6 monthly	6.2	mg/m^3	50	9/01/2025
Solid Particles	Quarterly	13	mg/m^3	50	30/04/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.7	mg/m^3	100	9/01/2025
Volatile organic compounds as n-	6 monthly	<0.1	mg/m^3	8	9/01/2025
Cadmium	6 monthly	<0.00007	mg/m^3	0.03	27/02/2025
Mercury	6 monthly	<0.0005	mg/m^3	0.03	27/02/2025
Type 1 and 2 substances in Aggregate	6 monthly	<0.03	mg/m^3	0.60	27/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	240	m^3/sec	-	30/04/2025
Moisture	6 monthly	4.9	%	-	30/04/2025
Oxygen	6 monthly	8.8	%	-	30/04/2025
Solid Particles	Quarterly	4.0	mg/m^3	-	30/04/2025
Temperature	6 monthly	126	Deg C	-	30/04/2025
Carbon dioxide	6 monthly	11.8	%	-	30/04/2025
Chlorine	6 monthly	<0.01	mg/m^3	-	30/04/2025
Fluorine	6 monthly	10	mg/m^3	-	30/04/2025
Hydrogen chloride	6 monthly	9.2	mg/m^3	-	30/04/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	3.6	mg/m^3	-	30/04/2025
Volatile organic compounds as n-	6 monthly	<0.06	mg/m^3	-	30/04/2025
Cadmium	6 monthly	<0.0001	mg/m^3	-	27/02/2025
Mercury	6 monthly	<0.0004	mg/m^3	-	27/02/2025
Type 1 and Type 2 substances in	6 monthly	<0.051	mg/m^3	-	27/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		260	m^3/sec	-	30/04/2025
Moisture		5.4	%	-	30/04/2025
Oxygen		9.2	%	-	30/04/2025
Solid Particles	Quarterly	22	mg/m^3	-	30/04/2025
Temperature		116	Deg C	-	30/04/2025
Cadmium	6 monthly	<0.00005	mg/m^3	-	27/02/2025
Mercury	6 monthly	0.00062	mg/m^3	-	27/02/2025
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.017	mg/m^3	-	27/02/2025

Unit 3 Boiler Emission Test Results					
EPA Identification No 5 – Air Emissions monitoring, Boiler 3 stack discharge to air					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Chlorine	6 monthly	0.046	mg/m^3	4	11/12/2024
Fluorine	6 monthly	9.7	mg/m^3	30	11/12/2024
Hydrogen chloride	6 monthly	15	mg/m^3	50	11/12/2024
Solid Particles	Quarterly	7.4	mg/m^3	50	1/05/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	1.2	mg/m^3	100	11/12/2024
Volatile organic compounds as n-propane equivalent	6 monthly	<0.08	mg/m^3	8	11/12/2024
Cadmium	6 monthly	<0.0001	mg/m^3	0.03	25/2/2025
Mercury	6 monthly	<0.00041	mg/m^3	0.03	25/2/2025
Type 1 and 2 substances in Aggregate	6 monthly	<0.02	mg/m^3	0.60	25/2/2025

EPA Identification No 11 – Air Emissions monitoring, Boiler 3 Exhaust Duct A					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Flow Rate	6 monthly	280	m^3/sec	-	1/05/2025
Moisture	6 monthly	5.3	%	-	1/05/2025
Oxygen	6 Monthly	8.1	%	-	1/05/2025
Solid Particles	Quarterly	5.2	mg/m^3	-	1/05/2025
Temperature	6 monthly	114	Deg C	-	1/05/2025
Carbon dioxide	6 monthly	12	%	-	1/05/2025
Chlorine	6 monthly	0.18	mg/m^3	-	1/05/2025
Fluorine	6 monthly	16	mg/m^3	-	1/05/2025
Hydrogen chloride	6 monthly	11	mg/m^3	-	1/05/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.1	mg/m^3	-	1/05/2025
Volatile organic compounds as n-propane equivalent	6 monthly	<0.06	mg/m^3	-	1/05/2025
Cadmium	6 monthly	<0.00018	mg/m^3	-	25/02/2025
Mercury	6 monthly	<0.00046	mg/m^3	-	25/02/2025
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.015	mg/m^3	-	25/02/2025

EPA Identification No 12 – Air Emissions monitoring, Boiler 3 Exhaust Duct B					
Name	**Frequency**	**Reading**	**Units**	**Licence Limit**	**Date**
Flow Rate		300	m^3/sec	-	1/05/2025
Moisture		5.4	%	-	1/05/2025
Oxygen		6.6	%	-	1/05/2025
Solid Particles	Quarterly	9.4	mg/m^3	-	1/05/2025
Temperature		115	Deg C	-	1/05/2025
Cadmium	6 monthly	<0.0001	mg/m^3	-	25/02/2025
Mercury	6 monthly	0.00035	mg/m^3	-	25/02/2025
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.032	mg/m^3	-	25/02/2025

Unit 4 Boiler Emission Test Results

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

Name	Frequency	Reading	Units	Licence Limit	Date
Chlorine	6 monthly	<0.01	mg/m^3	4	12-13/12/2024
Fluorine	6 monthly	11	mg/m^3	30	12-13/12/2024
Hydrogen chloride	6 monthly	8.5	mg/m^3	50	12-13/12/2024
Solid Particles	Quarterly	17	mg/m^3	50	2/05/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	2.1	mg/m^3	100	12-13/12/2024
Volatile organic compounds as n-	6 monthly	0.11	mg/m^3	8	12-13/12/2024
Cadmium	6 monthly	<0.00006	mg/m^3	0.03	28/02/2025
Mercury	6 monthly	0.00082	mg/m^3	0.03	28/02/2025
Type 1 and 2 substances in Aggregate	6 monthly	<0.02	mg/m^3	0.60	28/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate	6 monthly	290	m^3/sec	-	2/05/2025
Moisture	6 monthly	5.6	%	-	2/05/2025
Oxygen	6 monthly	10.6	%	-	2/05/2025
Solid Particles	Quarterly	11	mg/m^3	-	2/05/2025
Temperature	6 monthly	114	Deg C	-	2/05/2025
Carbon dioxide	6 monthly	9.9	%	-	2/05/2025
Chlorine	6 monthly	<0.03	mg/m^3	-	2/05/2025
Fluorine	6 monthly	17	mg/m^3	-	2/05/2025
Hydrogen chloride	6 monthly	14	mg/m^3	-	2/05/2025
Sulfuric acid mist and sulfur trioxide (as SO_3)	6 monthly	6.6	mg/m^3	-	2/05/2025
Volatile organic compounds as n-	6 monthly	<0.08	mg/m^3	-	2/05//2025
Cadmium	6 monthly	<0.00005	mg/m^3	-	28/02/2025
Mercury	6 monthly	0.0013	mg/m^3	-	28/02/2025
Type 1 and Type 2 substances in	6 monthly	<0.017	mg/m^3	-	28/02/2025

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

Name	Frequency	Reading	Units	Licence Limit	Date
Flow Rate		300	m^3/sec	-	2/05/2025
Moisture		5.3	%	-	2/05/2025
Oxygen		8.9	%	-	2/05/2025
Solid Particles	Quarterly	23	mg/m^3	-	2/05/2025
Temperature		114	Deg C	-	2/05/2025
Cadmium	6 monthly	<0.00007	mg/m^3	-	28/02/2025
Mercury	6 monthly	0.00032	mg/m^3	-	28/02/2025
Type 1 and Type 2 substances in Aggregate	6 monthly	<0.015	mg/m^3	-	28/02/2025

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**		**Sechi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	m
19.81	0.5	21.23	8.12	34.20	88.5	6.13	2.75

	Laboratory Analysis			
Name	**Reading**	**Units**	**Licence Limit**	**Date**
Aluminium	0.059	mg/L	-	5/05/25
Ammonia	<0.005	mg/L	-	5/05/25
Arsenic III	<0.008	mg/L	-	5/05/25
Arsenic V	<0.008	mg/L	-	5/05/25
Cadmium	<0.0002	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.001	mg/L	-	5/05/25
Copper	<0.001	mg/L	-	5/05/25
Iron	0.059	mg/L	-	5/05/25
Lead	<0.0002	mg/L	-	5/05/25
Manganese	0.0072	mg/L	-	5/05/25
Nickel	<0.0005	mg/L	-	5/05/25
pH	7.94	pH units	-	5/05/25
Selenium	<0.002	mg/L	-	5/05/25
Total Suspended Solids	<5	mg/L	-	5/05/25
Vanadium	0.0024	mg/L	-	5/05/25
Zinc	<0.005	mg/L	-	5/05/25

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**		**Secchi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	m
19.65	0.5	22.40	8.17	34.10	110.4	7.46	3.25

Laboratory Analysis				
Name	**Reading**	**Units**	**Licence Limits**	**Date**
Aluminium	0.037	mg/L	-	5/05/25
Ammonia	<0.005	mg/L	-	5/05/25
Arsenic III	<0.008	mg/L	-	5/05/25
Arsenic V	<0.008	mg/L	-	5/05/25
Cadmium	<0.0002	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.001	mg/L	-	5/05/25
Copper	<0.001	mg/L	-	5/05/25
Iron	0.034	mg/L	-	5/05/25
Lead	<0.0002	mg/L	-	5/05/25
Manganese	0.0062	mg/L	-	5/05/25
Nickel	<0.0005	mg/L	-	5/05/25
pH	8.07	pH units	-	5/05/25
Selenium	<0.002	mg/L	-	5/05/25
Total Suspended Solids	7	mg/L	-	5/05/25
Vanadium	0.0024	mg/L	-	5/05/25
Zinc	<0.005	mg/L	-	5/05/25

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**		**Secchi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	m
18.12	0.5	19.88	8.31	34.10	126	9.17	4.25

Laboratory Analysis

Name	Reading	Units	Licence Limits	Date
Aluminium	0.041	mg/L	-	5/05/25
Ammonia	<0.005	mg/L	-	5/05/25
Arsenic III	<0.008	mg/L	-	5/05/25
Arsenic V	<0.008	mg/L	-	5/05/25
Cadmium	<0.0002	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.001	mg/L	-	5/05/25
Copper	<0.001	mg/L	-	5/05/25
Iron	0.04	mg/L	-	5/05/25
Lead	<0.0002	mg/L	-	5/05/25
Manganese	0.0074	mg/L	-	5/05/25
Nickel	<0.0005	mg/L	-	5/05/25
pH	8.00	pH units	-	5/05/25
Selenium	<0.002	mg/L	-	5/05/25
Total Suspended Solids	8	mg/L	-	5/05/25
Vanadium	0.0017	mg/L	-	5/05/25
Zinc	0.006	mg/L	-	5/05/25

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**		**Secchi**
^{0}C	m	^{0}C	pH unit	ppt	%	mg/L	m
19.41	0.5	21.85	8.23	34.00	118.5	8.14	3.25

Laboratory Analysis

Name	Reading	Units	Licence Limits	Date
Aluminium	0.09	mg/L	-	5/05/25
Ammonia	<0.005	mg/L	-	5/05/25
Arsenic III	<0.008	mg/L	-	5/05/25
Arsenic V	<0.008	mg/L	-	5/05/25
Cadmium	<0.0002	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.001	mg/L	-	5/05/25
Copper	<0.001	mg/L	-	5/05/25
Iron	0.098	mg/L	-	5/05/25
Lead	<0.0002	mg/L	-	5/05/25
Manganese	0.0096	mg/L	-	5/05/25
Nickel	<0.0005	mg/L	-	5/05/25
pH	8.04	pH units	-	5/05/25
Selenium	<0.002	mg/L	-	5/05/25
Total Suspended Solids	9	mg/L	-	5/05/25
Vanadium	0.0024	mg/L	-	5/05/25
Zinc	<0.005	mg/L	-	5/05/25

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	0.355	mg/L	-	5/05/25
Ammonia	1.04	mg/L	-	5/05/25
Arsenic III	0.0006	mg/L	-	5/05/25
Arsenic V	0.0121	mg/L	-	5/05/25
Cadmium	<0.00005	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.01	mg/L	-	5/05/25
Copper	0.0034	mg/L	-	5/05/25
Iron	0.112	mg/L	-	5/05/25
Lead	0.0001	mg/L	-	5/05/25
Manganese	0.0681	mg/L	-	5/05/25
Nickel	0.0018	mg/L	-	5/05/25
Nitrite and Nitrate as N	1.07	mg/L	-	5/05/25
Nitrogen	2.2	mg/L	-	5/05/25
pH	7.50	pH units	-	5/05/25
Phosphorus as P	0.31	mg/L	-	5/05/25
Reactive Phosphorus as P	0.29	mg/L	-	5/05/25
Selenium	0.0331	mg/L	-	5/05/25
Total Kjeldahl Nitrogen	1.1	mg/L	-	5/05/25
Total Suspended Solids	14	mg/L	-	5/05/25
Vanadium	0.0614	mg/L	-	5/05/25
Zinc	0.004	mg/L	-	5/05/25

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	0.073	mg/L	-	5/05/25
Ammonia	<0.005	mg/L	-	5/05/25
Arsenic III	<0.008	mg/L	-	5/05/25
Arsenic V	<0.008	mg/L	-	5/05/25
Cadmium	<0.0002	mg/L	-	5/05/25
Chromium (Trivalent)	<0.001	mg/L	-	5/05/25
Chromium (VI) Compounds	<0.01	mg/L	-	5/05/25
Copper	0.0011	mg/L	-	5/05/25
Iron	0.100	mg/L	-	5/05/25
Lead	<0.0002	mg/L	-	5/05/25
Manganese	0.0060	mg/L	-	5/05/25
Nickel	<0.0005	mg/L	-	5/05/25
pH	8.04	pH units	-	5/05/25
Selenium	0.002	mg/L	-	5/05/25
Total Suspended Solids	25	mg/L	-	5/05/25
Vanadium	0.0026	mg/L	-	5/05/25
Zinc	<0.005	mg/L	-	5/05/25
Dissolved Oxygen	8.28	mg/L	-	5/05/25
Field Temperature	21.7	degC	-	5/05/25
Salinity	30.45	ppt	-	5/05/25
Secchi Disk	2.25	m	-	5/05/25
Temperature – Average	20.04	deg C	-	May 25
Temperature – Minimum	16.65	deg C	-	May 25
Temperature - Maximum	22.45	deg C	-	May 25

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	0.0012	mg/L	0.005	5/05/25
Iron	0.089	mg/L	0.3	5/05/25
Selenium	0.002	mg/L	0.002	5/05/25

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	27.91	deg C	35.5	37.5	38.5	May 25
Temperature – Minimum	22.82	deg C				May 25
Temperature - Maximum	31.71	deg C				May 25

Eraring Cooling Water Outlet Canal

EPA Identification no. 25 – Discharge from Ash Dam

Name	Reading	Units	Licence Limit	Date
Maximum Daily Discharge from Ash Dam	33.23	ML	150	May 25
Monthly Discharge from Ash Dam	359.94	ML	-	May 25

Emergency Discharge – Toe Drain Pond

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

Name	Reading	Units	Licence Limit	Date
Aluminium	1.59	mg/L	-	23/05/25
Ammonia	0.119	mg/L	-	23/05/25
Arsenic III	<0.0005	mg/L	-	23/05/25
Arsenic V	0.0013	mg/L	-	23/05/25
Cadmium	<0.00005	mg/L	-	23/05/25
Chromium (Trivalent)	<0.001	mg/L	-	23/05/25
Chromium (VI) Compounds	<0.01	mg/L	-	23/05/25
Copper	0.0010	mg/L	-	23/05/25
Iron	0.190	mg/L	-	23/05/25
Lead	<0.0001	mg/L	-	23/05/25
Manganese	0.0822	mg/L	-	23/05/25
Nickel	0.0012	mg/L	-	23/05/25
Nitrite and Nitrate as N	0.241	mg/L	-	23/05/25
Nitrogen	1.09	mg/L	-	23/05/25
pH	6.37	pH units	6-9.5	23/05/25
Phosphorus as P	0.121	mg/L	-	23/05/25
Reactive Phosphorus as P	0.026	mg/L	-	23/05/25
Selenium	0.0015	mg/L	-	23/05/25
Total Kjeldahl Nitrogen	0.85	mg/L	-	23/05/25
Total Suspended Solids	50	mg/L	50	23/05/25
Vanadium	0.0068	mg/L	-	23/05/25
Zinc	0.014	mg/L	-	23/05/25

MR217

EPA Identification no. 23 - Emergency discharge from ash dam outlet at culvert

Name	Reading	Units	Licence Limit	Date
Aluminium	1.31	mg/L	-	19/05/25
Ammonia	0.680	mg/L	-	19/05/25
Arsenic III	<0.0005	mg/L	-	19/05/25
Arsenic V	0.009	mg/L	-	19/05/25
Cadmium	<0.0005	mg/L	-	19/05/25
Chromium (Trivalent)	<0.001	mg/L	-	19/05/25
Chromium (VI) Compounds	<0.01	mg/L	-	19/05/25
Copper	0.0022	mg/L	-	19/05/25
Iron	0.907	mg/L	-	19/05/25
Lead	0.0012	mg/L	-	19/05/25
Manganese	0.0920	mg/L	-	19/05/25
Nickel	0.0018	mg/L	-	19/05/25
Nitrite and Nitrate as N	0.886	mg/L	-	19/05/25
Nitrogen	1.57	mg/L	-	19/05/25
pH	7.40	pH units	6-9.5	19/05/25
Phosphorus as P	0.197	mg/L	-	19/05/25
Reactive Phosphorus as P	0.059	mg/L	-	19/05/25
Selenium	0.0205	mg/L	-	19/05/25
Total Kjeldahl Nitrogen	0.68	mg/L	-	19/05/25
Total Suspended Solids	46	mg/L	50	19/05/25
Vanadium	0.0598	mg/L	-	19/05/25
Zinc	0.013	mg/L	-	19/05/25

Groundwater Monitoring
Groundwater Well – MW01

EPA Identification no. 32 – Groundwater Monitoring Well 01

Name	Reading	Units	Licence Limit	Date
Aluminium	0.142	mg/L	-	21/03/25
Ammonia	0.06	mg/L	-	21/03/25
Arsenic (III)	<0.0005	mg/L	-	21/03/25
Arsenic (V)	0.0012	mg/L	-	21/03/25
Cadmium	<0.00005	mg/L	-	21/03/25
Calcium	2	mg/L	-	21/03/25
Chromium (trivalent)	<0.01	mg/L	-	21/03/25
Chromium (VI) compounds	<0.01	mg/L	-	21/03/25
Copper	<0.0005	mg/L	-	21/03/25
Electrical Conductivity	430	uS/cm	-	21/03/25
Iron	1.03	mg/L	-	21/03/25
Lead	0.0006	mg/L	-	21/03/25
Magnesium	5	mg/L	-	21/03/25
Manganese	0.144	mg/L	-	21/03/25
Nickel	0.0049	mg/L	-	21/03/25
pH	5.01	pH units	-	21/03/25
Potassium	4	mg/L	-	21/03/25
Selenium	<0.0002	mg/L	-	21/03/25
Sodium	66	mg/L	-	21/03/25
Standing Water Level	7.910	m	-	21/03/25
Vanadium	0.0004	mg/L	-	21/03/25
Zinc	0.028	mg/L	-	21/03/25

Groundwater Monitoring
Groundwater Well – MW02

EPA Identification no. 33 – Groundwater Monitoring Well 02

Name	Reading	Units	Licence Limit	Date
Aluminium	0.316	mg/L	-	21/03/25
Ammonia	5.41	mg/L	-	21/03/25
Arsenic (III)	0.001	mg/L	-	21/03/25
Arsenic (V)	0.0007	mg/L	-	21/03/25
Cadmium	0.00006	mg/L	-	21/03/25
Calcium	308	mg/L	-	21/03/25
Chromium (trivalent)	<0.01	mg/L	-	21/03/25
Chromium (VI) compounds	<0.01	mg/L	-	21/03/25
Copper	0.0013	mg/L	-	21/03/25
Electrical Conductivity	20700	uS/cm	-	21/03/25
Iron	10.8	mg/L	-	21/03/25
Lead	0.0012	mg/L	-	21/03/25
Magnesium	327	mg/L	-	21/03/25
Manganese	0.803	mg/L	-	21/03/25
Nickel	0.0010	mg/L	-	21/03/25
pH	6.54	pH units	-	21/03/25
Potassium	145	mg/L	-	21/03/25
Selenium	0.0006	mg/L	-	21/03/25
Sodium	3690	mg/L	-	21/03/25
Standing Water Level	5.475	m	-	21/03/25
Vanadium	0.0029	mg/L	-	21/03/25
Zinc	0.022	mg/L	-	21/03/25

Groundwater Monitoring
Groundwater Well – MW06

EPA Identification no. 34 – Groundwater Monitoring Well 06

Name	Reading	Units	Licence Limit	Date
Aluminium	0.015	mg/L	-	21/03/25
Ammonia	3.29	mg/L	-	21/03/25
Arsenic (III)	0.0054	mg/L	-	21/03/25
Arsenic (V)	<0.0005	mg/L	-	21/03/25
Cadmium	<0.00005	mg/L	-	21/03/25
Calcium	449	mg/L	-	21/03/25
Chromium (trivalent)	<0.01	mg/L	-	21/03/25
Chromium (VI) compounds	<0.01	mg/L	-	21/03/25
Copper	<0.0005	mg/L	-	21/03/25
Electrical Conductivity	19100	uS/cm	-	21/03/25
Iron	10.2	mg/L	-	21/03/25
Lead	0.0002	mg/L	-	21/03/25
Magnesium	244	mg/L	-	21/03/25
Manganese	0.324	mg/L	-	21/03/25
Nickel	0.0012	mg/L	-	21/03/25
pH	6.56	pH units	-	21/03/25
Potassium	115	mg/L	-	21/03/25
Selenium	0.0004	mg/L	-	21/03/25
Sodium	3210	mg/L	-	21/03/25
Standing Water Level	2.380	m	-	21/03/25
Vanadium	0.0008	mg/L	-	21/03/25
Zinc	0.043	mg/L	-	21/03/25

Groundwater Monitoring
Groundwater Well – EGM/D26

EPA Identification no. 35 – Groundwater Monitoring Well D26
Groundwater well dry at time of sampling

Name	Reading	Units	Licence Limit	Date
Aluminium		mg/L	-	
Ammonia		mg/L	-	
Arsenic (III)		mg/L	-	
Arsenic (V)		mg/L	-	
Cadmium		mg/L	-	
Calcium		mg/L	-	
Chromium (trivalent)		mg/L	-	
Chromium (VI) compounds		mg/L	-	
Copper		mg/L	-	
Electrical Conductivity		uS/cm	-	
Iron		mg/L	-	
Lead		mg/L	-	
Magnesium		mg/L	-	
Manganese		mg/L	-	
Nickel		mg/L	-	
pH		pH units	-	
Potassium		mg/L	-	
Selenium		mg/L	-	
Sodium		mg/L	-	
Standing Water Level		m	-	
Vanadium		mg/L	-	
Zinc		mg/L	-	

Water Quality – Surface Water EBESS

EPA Identification no. 37 – Final discharge point from the water treatment plant

Sample Frequency – Daily during any discharge

Name	Min reading (mg/L)	Average reading (mg/L)	Maximum Reading (mg/L)	Project Criteria	Number of samples
Cadmium	<0.0001	-	<0.0004	-	8
Chromium (hexavalant)	<0.01	-	<0.1	-	8
Chromium (trivalent)	<0.01	-	<0.1	-	8
Copper	<0.001	0.00095	0.0021	-	8
Manganese	<0.0001	0.0025	0.014	-	8
Nickel	<0.001	-	<0.001	-	8
PFOS	<0.0003	0.0028	0.0013	0.13	8
PFOA	<0.0005	-	<0.0005	220	8
pH	7.74	8.16	8.48	6.5-9	8
Selenium	0.2	0.46	0.7	-	8
Total Suspended solids	<5	4.5	22	50	8
Vanadium	<0.01	-	<0.1	-	8
Zinc	<0.005	0.026	0.005	8	8

Daily Volume Discharged		
Min	Ave	Max
0.40	4.65	1.5

EPA Identification no. 38 – Monitoring overflow point from the attenuation pond
Sample Frequency – Daily during any discharge.

Name	Frequency	Reading	Project Criteria	Date
Cadmium	Daily during any discharge	<0.0001	-	19/05/2025
Chromium (hexavalant)	Daily during any discharge	<0.01	-	19/05/2025
Chromium (trivalent)	Daily during any discharge	0.04	-	19/05/2025
Copper	Daily during any discharge	26.8	-	19/05/2025
Manganese	Daily during any discharge	0.504	-	19/05/2025
Nickel	Daily during any discharge	0.033	-	19/05/2025
PFOS	Daily during any discharge	0.0011	0.13	19/05/2025
PFOA	Daily during any discharge	<0.0005	220	19/05/2025
pH	Daily during any discharge	9	6.5-9	19/05/2025
Selenium	Daily during any discharge	1	-	19/05/2025
Total Suspended solids	Daily during any discharge	940	50	19/05/2025
Vanadium	Daily during any discharge	0.09	-	19/05/2025
Zinc	Daily during any discharge	95	8	19/05/2025

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

Name	Reading	Project Criteria	Date
Cadmium		-	
Chromium (hexavalant)		-	
Chromium (trivalent)		-	
Copper		-	
Manganese		-	
Nickel		-	
PFOS		0.13	
PFOA		220	
pH		6.5-9	
Selenium		-	
Total Suspended solids		50	
Vanadium		-	
Zinc		8	

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

Name	Reading	Project Criteria	Date
Cadmium		-	
Chromium (hexavalant)		-	
Chromium (trivalent)		-	
Copper		-	
Manganese		-	
Nickel		-	
PFOS		0.13	
PFOA		220	
pH		6.5-9	
Selenium		-	
Total Suspended solids		50	
Vanadium		-	
Zinc		8	