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

# Environmental Monitoring Data March 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 29 March 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 |
| 01/03/2035 | 446 | 499 | 391 | 890 | 952 | 841 |
| 02/03/2025 | 397 | 495 | 352 | 827 | 919 | 650 |
| 03/03/2025 | 390 | 455 | 324 | 651 | 791 | 509 |
| 04/03/2025 | 424 | 538 | 331 | 748 | 850 | 527 |
| 05/03/2025 | 407 | 458 | 360 | 796 | 950 | 680 |
| 06/03/2025 | 401 | 491 | 342 | 847 | 984 | 759 |
| 07/03/2025 | 403 | 441 | 365 | 763 | 845 | 676 |
| 08/03/2025 | 396 | 447 | 365 | 790 | 891 | 703 |
| 09/03/2025 | 408 | 472 | 360 | 806 | 889 | 737 |
| 10/03/2025 | 438 | 520 | 356 | 868 | 977 | 755 |
| 11/03/2025 | 421 | 494 | 354 | 833 | 937 | 757 |
| 12/03/2025 | 407 | 454 | 356 | 812 | 905 | 691 |
| 13/03/2025 | 408 | 476 | 322 | 778 | 828 | 735 |
| 14/03/2025 | 422 | 487 | 339 | 865 | 990 | 809 |
| 15/03/2025 | 402 | 453 | 359 | 913 | 1079 | 836 |
| 16/03/2025 | 403 | 460 | 357 | 891 | 942 | 850 |
| 17/03/2025 | 410 | 456 | 376 | 775 | 878 | 578 |
| 18/03/2025 | 389 | 428 | 356 | 766 | 913 | 570 |
| 19/03/2025 | 413 | 464 | 355 | 743 | 816 | 664 |
| 20/03/2025 | 405 | 451 | 375 | 811 | 882 | 726 |
| 21/03/2025 | 408 | 438 | 373 | 852 | 919 | 786 |
| 22/03/2025 | 428 | 470 | 395 | 809 | 918 | 732 |
| 23/03/2025 | 400 | 457 | 369 | 826 | 977 | 700 |
| 24/03/2025 | 379 | 412 | 354 | 855 | 918 | 761 |
| 25/03/2025 | 385 | 459 | 353 | 895 | 971 | 731 |
| 26/03/2025 | 403 | 453 | 368 | 916 | 1000 | 870 |
| 27/03/2025 | 393 | 440 | 359 | 867 | 928 | 798 |
| 28/03/2025 | 402 | 432 | 368 | 883 | 966 | 695 |
| 29/03/2025 | - | - | - | - | - | - |
| 30/03/2025 | 388 | 435 | 325 | 805 | 938 | 600 |
| 31/03/2025 | 400 | 477 | 325 | 738 | 896 | 591 |

## Unit 1B Boiler Continuous Emission Monitoring Summary

*EPA Identification no.7 - Air emissions monitoring, Boiler 1 stack discharge to air*
*Unit 1B Data Invalidated 29 March 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 |
| 01/03/2035 | 386 | 462 | 323 | 811 | 847 | 766 |
| 02/03/2025 | 355 | 448 | 319 | 803 | 863 | 749 |
| 03/03/2025 | 350 | 419 | 303 | 686 | 738 | 656 |
| 04/03/2025 | 363 | 428 | 308 | 727 | 802 | 665 |
| 05/03/2025 | 351 | 397 | 302 | 749 | 792 | 695 |
| 06/03/2025 | 350 | 418 | 289 | 779 | 832 | 722 |
| 07/03/2025 | 341 | 367 | 297 | 739 | 756 | 718 |
| 08/03/2025 | 328 | 364 | 303 | 783 | 816 | 752 |
| 09/03/2025 | 348 | 382 | 301 | 780 | 800 | 741 |
| 10/03/2025 | 348 | 397 | 283 | 797 | 826 | 759 |
| 11/03/2025 | 360 | 407 | 317 | 781 | 804 | 752 |
| 12/03/2025 | 337 | 368 | 301 | 756 | 783 | 708 |
| 13/03/2025 | 359 | 410 | 303 | 707 | 755 | 684 |
| 14/03/2025 | 369 | 425 | 290 | 779 | 912 | 735 |
| 15/03/2025 | 354 | 394 | 309 | 839 | 982 | 741 |
| 16/03/2025 | 340 | 384 | 292 | 802 | 834 | 763 |
| 17/03/2025 | 338 | 376 | 301 | 816 | 892 | 727 |
| 18/03/2025 | 327 | 374 | 300 | 781 | 832 | 738 |
| 19/03/2025 | 345 | 414 | 279 | 698 | 783 | 644 |
| 20/03/2025 | 352 | 424 | 304 | 749 | 814 | 685 |
| 21/03/2025 | 337 | 369 | 317 | 796 | 811 | 771 |
| 22/03/2025 | 369 | 429 | 300 | 778 | 846 | 706 |
| 23/03/2025 | 333 | 402 | 314 | 821 | 883 | 740 |
| 24/03/2025 | 332 | 360 | 306 | 797 | 853 | 728 |
| 25/03/2025 | 325 | 414 | 290 | 847 | 943 | 741 |
| 26/03/2025 | 342 | 424 | 310 | 859 | 905 | 833 |
| 27/03/2025 | 338 | 388 | 305 | 820 | 857 | 782 |
| 28/03/2025 | 332 | 382 | 310 | 800 | 869 | 656 |
| 29/03/2025 | - | - | - | - | - | - |
| 30/03/2025 | 347 | 397 | 303 | 845 | 882 | 771 |
| 31/03/2025 | 361 | 419 | 302 | 779 | 805 | 737 |

## *Unit 2A Boiler Continuous Emission Monitoring Summary*

*EPA Identification no. 9 - Air emissions monitoring, Boiler 2 stack discharge to air*
*Unit 2A Data Invalidated 28 and 29 March 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 |
| 01/03/2035 | 367 | 444 | 270 | 706 | 755 | 639 |
| 02/03/2025 | 331 | 407 | 256 | 687 | 752 | 632 |
| 03/03/2025 | 350 | 416 | 320 | 603 | 654 | 565 |
| 04/03/2025 | 344 | 451 | 253 | 648 | 678 | 592 |
| 05/03/2025 | 376 | 449 | 283 | 667 | 713 | 629 |
| 06/03/2025 | 349 | 435 | 255 | 699 | 732 | 666 |
| 07/03/2025 | 380 | 436 | 349 | 654 | 678 | 625 |
| 08/03/2025 | 339 | 428 | 262 | 688 | 728 | 651 |
| 09/03/2025 | 324 | 380 | 244 | 683 | 719 | 611 |
| 10/03/2025 | 378 | 435 | 284 | 701 | 744 | 643 |
| 11/03/2025 | 399 | 464 | 344 | 677 | 711 | 640 |
| 12/03/2025 | 323 | 415 | 239 | 652 | 686 | 620 |
| 13/03/2025 | 371 | 438 | 270 | 642 | 672 | 617 |
| 14/03/2025 | 387 | 467 | 265 | 675 | 756 | 630 |
| 15/03/2025 | 365 | 428 | 274 | 717 | 790 | 645 |
| 16/03/2025 | 339 | 426 | 244 | 704 | 752 | 674 |
| 17/03/2025 | 360 | 444 | 277 | 724 | 792 | 668 |
| 18/03/2025 | 365 | 434 | 284 | 687 | 726 | 641 |
| 19/03/2025 | 386 | 469 | 295 | 627 | 687 | 582 |
| 20/03/2025 | 390 | 456 | 296 | 663 | 751 | 567 |
| 21/03/2025 | 420 | 447 | 334 | 708 | 746 | 687 |
| 22/03/2025 | 386 | 455 | 291 | 669 | 751 | 583 |
| 23/03/2025 | 424 | 476 | 322 | 731 | 802 | 698 |
| 24/03/2025 | 465 | 533 | 360 | 716 | 787 | 644 |
| 25/03/2025 | 434 | 505 | 358 | 721 | 779 | 666 |
| 26/03/2025 | 422 | 476 | 350 | 727 | 809 | 685 |
| 27/03/2025 | 369 | 421 | 294 | 715 | 745 | 674 |
| 28/03/2025 | - | - | - | - | - | - |
| 29/03/2025 | - | - | - | - | - | - |
| 30/03/2025 | 349 | 410 | 281 | 696 | 764 | 648 |
| 31/03/2025 | 396 | 486 | 292 | 640 | 732 | 592 |

## Unit 2B Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 10 - Air emissions monitoring, Boiler 2 stack discharge to air*
*Unit 2B Data Invalidated 12, 13, 14, 20 and 29 March 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 |
| 01/03/2035 | 344 | 470 | 185 | 688 | 767 | 459 |
| 02/03/2025 | 299 | 404 | 213 | 623 | 721 | 430 |
| 03/03/2025 | 369 | 439 | 334 | 638 | 680 | 607 |
| 04/03/2025 | 363 | 468 | 270 | 676 | 731 | 633 |
| 05/03/2025 | 383 | 477 | 302 | 666 | 715 | 542 |
| 06/03/2025 | 330 | 426 | 238 | 643 | 709 | 497 |
| 07/03/2025 | 369 | 416 | 309 | 644 | 693 | 566 |
| 08/03/2025 | 305 | 450 | 144 | 612 | 767 | 379 |
| 09/03/2025 | 229 | 370 | 63 | 479 | 644 | 121 |
| 10/03/2025 | 241 | 371 | 98 | 442 | 663 | 248 |
| 11/03/2025 | 244 | 371 | 118 | 412 | 571 | 194 |
| 12/03/2025 | - | - | - | - | - | - |
| 13/03/2025 | - | - | - | - | - | - |
| 14/03/2025 | - | - | - | - | - | - |
| 15/03/2025 | 301 | 443 | 98 | 563 | 765 | 252 |
| 16/03/2025 | 299 | 455 | 102 | 587 | 736 | 273 |
| 17/03/2025 | 377 | 453 | 268 | 764 | 867 | 522 |
| 18/03/2025 | 321 | 442 | 212 | 589 | 703 | 355 |
| 19/03/2025 | 288 | 423 | 106 | 468 | 673 | 184 |
| 20/03/2025 | - | - | - | - | - | - |
| 21/03/2025 | 308 | 452 | 153 | 496 | 696 | 256 |
| 22/03/2025 | 393 | 466 | 336 | 676 | 794 | 571 |
| 23/03/2025 | 343 | 441 | 218 | 578 | 853 | 333 |
| 24/03/2025 | 286 | 423 | 197 | 436 | 699 | 273 |
| 25/03/2025 | 373 | 499 | 199 | 613 | 736 | 330 |
| 26/03/2025 | 241 | 426 | 127 | 397 | 654 | 239 |
| 27/03/2025 | 235 | 358 | 156 | 450 | 643 | 287 |
| 28/03/2025 | 255 | 383 | 72 | 444 | 677 | 148 |
| 29/03/2025 | - | - | - | - | - | - |
| 30/03/2025 | 389 | 449 | 308 | 779 | 841 | 708 |
| 31/03/2025 | 424 | 498 | 319 | 716 | 803 | 676 |

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*EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air*
*Unit 3A Offline 1-9, and 17-26 March 2025*
*Unit 3A Data Invalidated 10-12 and 27 March 2025*
*NOx Unit Data Invalidated 15, 16 and 28 March 2025*

| | NOx | | | $SO_2$ | | |
|---|---|---|---|---|---|---|
| | mg/Nm³ (7% $O_2$) | | | mg/Nm³ (7% $O_2$) | | |
| | Daily Ave | Max Hourly | Min Hourly | Daily Ave | Max Hourly | Min Hourly |
| 01/03/2035 | - | - | - | - | - | - |
| 02/03/2025 | - | - | - | - | - | - |
| 03/03/2025 | - | - | - | - | - | - |
| 04/03/2025 | - | - | - | - | - | - |
| 05/03/2025 | - | - | - | - | - | - |
| 06/03/2025 | - | - | - | - | - | - |
| 07/03/2025 | - | - | - | - | - | - |
| 08/03/2025 | - | - | - | - | - | - |
| 09/03/2025 | - | - | - | - | - | - |
| 10/03/2025 | - | - | - | - | - | - |
| 11/03/2025 | - | - | - | - | - | - |
| 12/03/2025 | - | - | - | - | - | - |
| 13/03/2025 | 269 | 283 | 257 | 722 | 749 | 691 |
| 14/03/2025 | 282 | 316 | 270 | 770 | 806 | 729 |
| 15/03/2025 | - | - | - | 828 | 951 | 731 |
| 16/03/2025 | - | - | - | 795 | 842 | 741 |
| 17/03/2025 | - | - | - | - | - | - |
| 18/03/2025 | - | - | - | - | - | - |
| 19/03/2025 | - | - | - | - | - | - |
| 20/03/2025 | - | - | - | - | - | - |
| 21/03/2025 | - | - | - | - | - | - |
| 22/03/2025 | - | - | - | - | - | - |
| 23/03/2025 | - | - | - | - | - | - |
| 24/03/2025 | - | - | - | - | - | - |
| 25/03/2025 | - | - | - | - | - | - |
| 26/03/2025 | - | - | - | - | - | - |
| 27/03/2025 | - | - | - | - | - | - |
| 28/03/2025 | - | - | - | 764 | 811 | 720 |
| 29/03/2025 | 389 | 451 | 329 | 786 | 873 | 684 |
| 30/03/2025 | 363 | 385 | 312 | 806 | 871 | 734 |
| 31/03/2025 | 351 | 383 | 295 | 748 | 791 | 719 |

## Unit 3B Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air*
*Unit 3B Offline 1-9 and 17-26 March 2025*
*Unit 3B Data Invalidated 27 and 30 March 2025*
*NOx Data Invalidated 12, 16 and 29 March 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 |
| 01/03/2035 | - | - | - | - | - | - |
| 02/03/2025 | - | - | - | - | - | - |
| 03/03/2025 | - | - | - | - | - | - |
| 04/03/2025 | - | - | - | - | - | - |
| 05/03/2025 | - | - | - | - | - | - |
| 06/03/2025 | - | - | - | - | - | - |
| 07/03/2025 | - | - | - | - | - | - |
| 08/03/2025 | - | - | - | - | - | - |
| 09/03/2025 | - | - | - | - | - | - |
| 10/03/2025 | 326 | 362 | 298 | 647 | 718 | 582 |
| 11/03/2025 | 297 | 342 | 249 | 670 | 743 | 581 |
| 12/03/2025 | - | - | - | 647 | 722 | 560 |
| 13/03/2025 | 280 | 291 | 265 | 670 | 692 | 640 |
| 14/03/2025 | 299 | 333 | 281 | 727 | 760 | 683 |
| 15/03/2025 | 299 | 315 | 282 | 777 | 897 | 674 |
| 16/03/2025 | - | - | - | 747 | 806 | 689 |
| 17/03/2025 | - | - | - | - | - | - |
| 18/03/2025 | - | - | - | - | - | - |
| 19/03/2025 | - | - | - | - | - | - |
| 20/03/2025 | - | - | - | - | - | - |
| 21/03/2025 | - | - | - | - | - | - |
| 22/03/2025 | - | - | - | - | - | - |
| 23/03/2025 | - | - | - | - | - | - |
| 24/03/2025 | - | - | - | - | - | - |
| 25/03/2025 | - | - | - | - | - | - |
| 26/03/2025 | - | - | - | - | - | - |
| 27/03/2025 | - | - | - | - | - | - |
| 28/03/2025 | 327 | 384 | 287 | 687 | 754 | 607 |
| 29/03/2025 | - | - | - | 698 | 762 | 598 |
| 30/03/2025 | - | - | - | - | - | - |
| 31/03/2025 | 333 | 382 | 273 | 674 | 763 | 615 |

**Unit 4A Boiler Continuous Emission Monitoring Summary**

*EPA Identification no. 13 - Air emissions monitoring, Boiler 4 stack discharge to air*
*Unit 4A Data Invalidated 6 and 27 March 2025*
*NOx Data Invalidated 1, 2, 16 - 19, 21 - 23, 25, 28 and 30 March 2025*

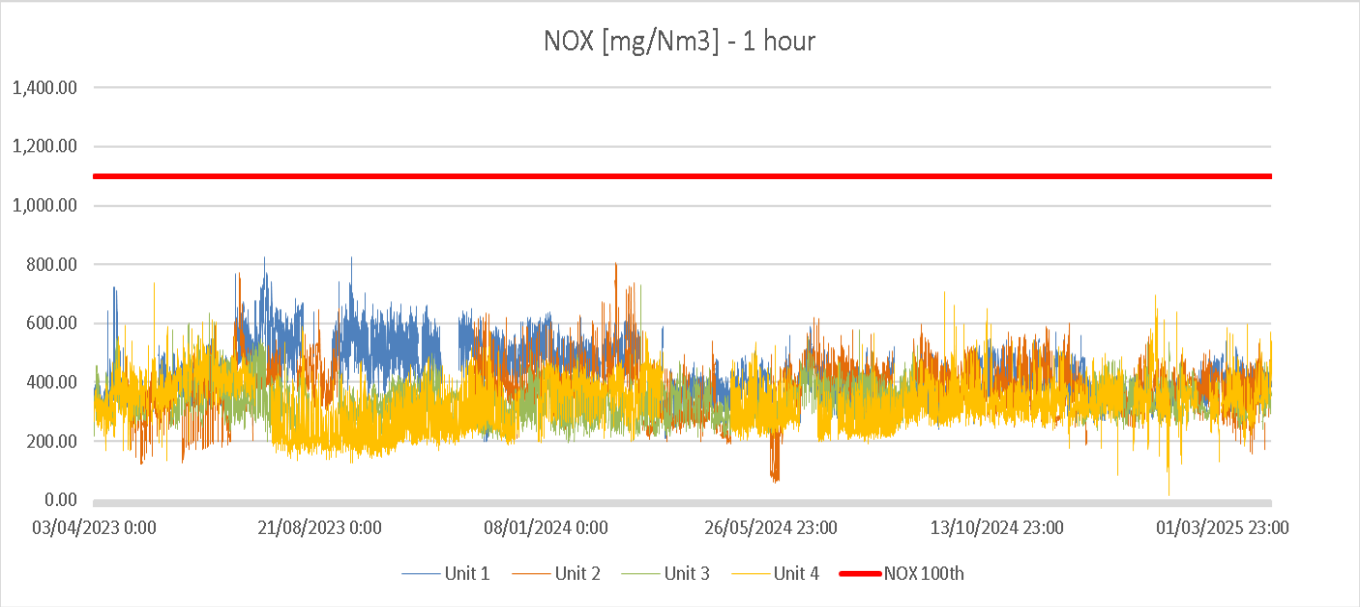
| | NOx | | | $SO_2$ | | |
|---|---|---|---|---|---|---|
| | $mg/Nm^3$ (7% $O_2$) | | | $mg/Nm^3$ (7% $O_2$) | | |
| | Daily Ave | Max Hourly | Min Hourly | Daily Ave | Max Hourly | Min Hourly |
| 01/03/2035 | - | - | - | 618 | 758 | 500 |
| 02/03/2025 | - | - | - | 612 | 780 | 492 |
| 03/03/2025 | 307 | 349 | 275 | 485 | 585 | 349 |
| 04/03/2025 | 392 | 587 | 301 | 540 | 660 | 430 |
| 05/03/2025 | 352 | 442 | 303 | 529 | 711 | 417 |
| 06/03/2025 | - | - | - | - | - | - |
| 07/03/2025 | 332 | 378 | 276 | 525 | 600 | 472 |
| 08/03/2025 | 401 | 564 | 296 | 576 | 694 | 457 |
| 09/03/2025 | 366 | 440 | 314 | 591 | 711 | 509 |
| 10/03/2025 | 357 | 433 | 296 | 566 | 623 | 501 |
| 11/03/2025 | 384 | 489 | 314 | 576 | 675 | 486 |
| 12/03/2025 | 324 | 396 | 283 | 554 | 695 | 502 |
| 13/03/2025 | 315 | 384 | 268 | 540 | 638 | 489 |
| 14/03/2025 | 296 | 359 | 213 | 560 | 684 | 500 |
| 15/03/2025 | 274 | 385 | 182 | 628 | 742 | 524 |
| 16/03/2025 | - | - | - | 636 | 761 | 527 |
| 17/03/2025 | - | - | - | 631 | 832 | 467 |
| 18/03/2025 | - | - | - | 568 | 745 | 460 |
| 19/03/2025 | - | - | - | 488 | 525 | 437 |
| 20/03/2025 | 287 | 343 | 243 | 526 | 591 | 460 |
| 21/03/2025 | - | - | - | 548 | 606 | 506 |
| 22/03/2025 | - | - | - | 548 | 735 | 474 |
| 23/03/2025 | - | - | - | 544 | 731 | 410 |
| 24/03/2025 | 413 | 550 | 289 | 559 | 651 | 476 |
| 25/03/2025 | - | - | | 600 | 736 | 476 |
| 26/03/2025 | 355 | 503 | 292 | 626 | 724 | 505 |
| 27/03/2025 | - | - | - | - | - | - |
| 28/03/2025 | - | - | - | 598 | 665 | 512 |
| 29/03/2025 | 371 | 469 | 312 | 609 | 716 | 525 |
| 30/03/2025 | - | - | - | 685 | 770 | 575 |
| 31/03/2025 | 423 | 570 | 343 | 633 | 735 | 546 |

**Unit 4B Boiler Continuous Emission Monitoring Summary**

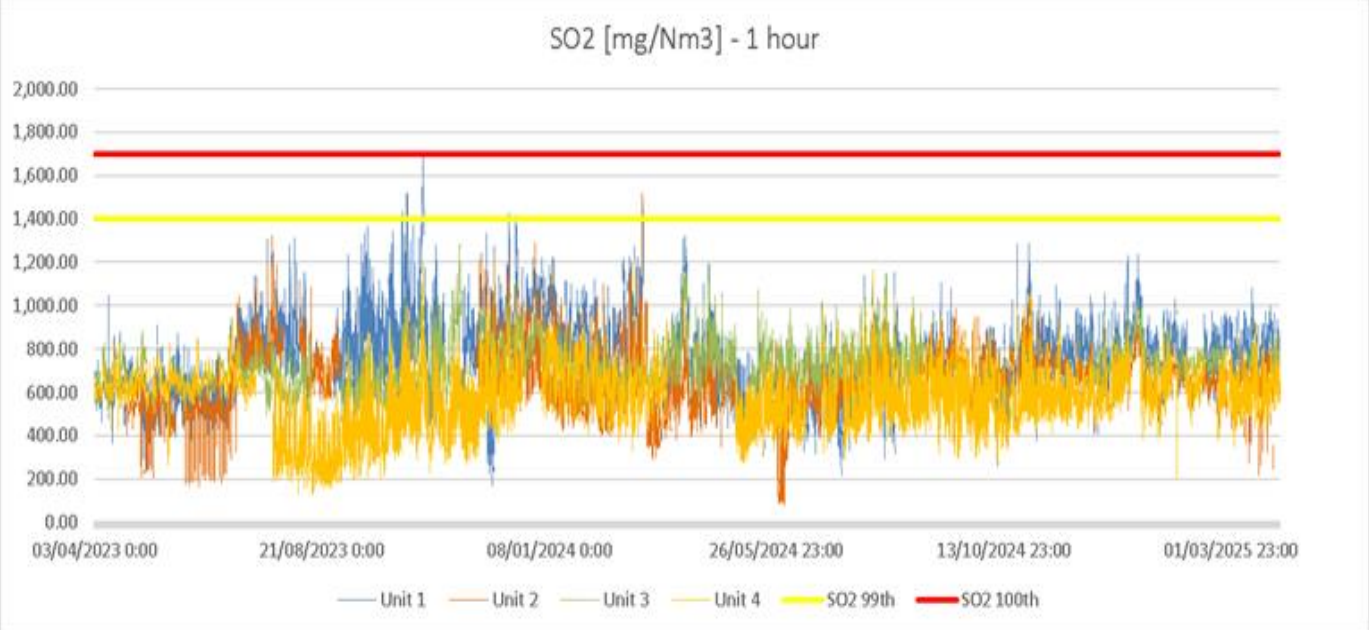
*EPA Identification no. 14 – Air emissions monitoring, Boiler 4 stack discharge to air*
*Unit 4B Data Invalidated 6 and 27 March 2025*
*NOx Data Invalidated 16 and 30 March 2025*

| | 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 |
| 01/03/2035 | 333 | 367 | 295 | 757 | 849 | 664 |
| 02/03/2025 | 346 | 406 | 307 | 762 | 851 | 679 |
| 03/03/2025 | 349 | 384 | 319 | 670 | 716 | 608 |
| 04/03/2025 | 404 | 601 | 319 | 714 | 775 | 645 |
| 05/03/2025 | 425 | 462 | 366 | 714 | 828 | 617 |
| 06/03/2025 | - | - | - | - | - | - |
| 07/03/2025 | 393 | 462 | 343 | 708 | 739 | 669 |
| 08/03/2025 | 455 | 593 | 389 | 779 | 865 | 683 |
| 09/03/2025 | 438 | 485 | 401 | 761 | 828 | 677 |
| 10/03/2025 | 425 | 502 | 365 | 749 | 811 | 665 |
| 11/03/2025 | 445 | 508 | 382 | 759 | 813 | 721 |
| 12/03/2025 | 391 | 435 | 348 | 721 | 805 | 669 |
| 13/03/2025 | 379 | 422 | 335 | 696 | 746 | 641 |
| 14/03/2025 | 375 | 408 | 313 | 716 | 803 | 648 |
| 15/03/2025 | 358 | 413 | 300 | 780 | 852 | 681 |
| 16/03/2025 | - | - | - | 737 | 847 | 435 |
| 17/03/2025 | 390 | 598 | 317 | 788 | 943 | 696 |
| 18/03/2025 | 341 | 398 | 300 | 774 | 843 | 703 |
| 19/03/2025 | 330 | 399 | 308 | 668 | 717 | 609 |
| 20/03/2025 | 346 | 408 | 311 | 705 | 775 | 605 |
| 21/03/2025 | 348 | 373 | 335 | 746 | 780 | 701 |
| 22/03/2025 | 381 | 480 | 329 | 724 | 844 | 647 |
| 23/03/2025 | 358 | 407 | 324 | 745 | 916 | 656 |
| 24/03/2025 | 383 | 448 | 327 | 723 | 817 | 632 |
| 25/03/2025 | 348 | 395 | 327 | 736 | 824 | 669 |
| 26/03/2025 | 380 | 410 | 343 | 765 | 805 | 720 |
| 27/03/2025 | - | - | - | - | - | - |
| 28/03/2025 | 378 | 418 | 344 | 732 | 810 | 619 |
| 29/03/2025 | 416 | 476 | 354 | 745 | 799 | 644 |
| 30/03/2025 | - | - | - | 809 | 884 | 711 |
| 31/03/2025 | 487 | 641 | 391 | 746 | 835 | 679 |

## 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 | 4.4 | mg/m$^3$ | 50 | 26/02/2025 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 1 | mg/m$^3$ | 100 | 10/12/2024 |
| Volatile organic compounds as n-propane | 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 | m3/sec | - | 26/02/2025 |
| Moisture | 6 monthly | 5.2 | % | - | 26/02/2025 |
| Oxygen | 6 monthly | 9.2 | % | - | 26/02/2025 |
| Solid Particles | Quarterly | 2.6 | mg/m3 | - | 26/02/2025 |
| Temperature | 6 monthly | 120 | degC | - | 26/02/2025 |
| Carbon dioxide | 6 monthly | 10.5 | % | - | 26/02/2025 |
| Chlorine | 6 monthly | 0.05 | mg/m3 | - | 10/12/2024 |
| Fluorine | 6 monthly | 8 | mg/m3 | - | 10/12/2024 |
| Hydrogen chloride | 6 monthly | 9.6 | mg/m3 | - | 10/12/2024 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 1 | mg/m3 | - | 10/12/2024 |
| Volatile organic compounds as n-propane | 6 monthly | <0.07 | mg/m3 | - | 10/12/2024 |
| Cadmium | 6 monthly | <0.000076 | mg/m3 | - | 26/02/2025 |
| Mercury | 6 monthly | 0.00025 | mg/m3 | - | 26/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.024 | mg/m3 | - | 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 | m3/sec | - | 26/02/2025 |
| Moisture | | 5.6 | % | - | 26/02/2025 |
| Oxygen | | 8.9 | % | - | 26/02/2025 |
| Solid Particles | Quarterly | 6.1 | mg/m3 | - | 26/02/2025 |
| Temperature | | 120 | degC | - | 26/02/2025 |
| Cadmium | 6 monthly | <0.00008 | mg/m3 | - | 26/02/2025 |
| Mercury | 6 monthly | <0.0004 | mg/m3 | - | 26/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.017 | mg/m3 | - | 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 | 6.9 | mg/m$^3$ | 50 | 27/02/2025 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 2.7 | mg/m$^3$ | 100 | 9/01/2025 |
| Volatile organic compounds as n-propane | 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 | 260 | m3/sec | - | 27/02/2025 |
| Moisture | 6 monthly | 6 | % | - | 27/02/2025 |
| Oxygen | 6 monthly | 6.6 | % | - | 27/02/2025 |
| Solid Particles | Quarterly | 7.5 | mg/m3 | - | 27/02/2025 |
| Temperature | 6 monthly | 127 | degC | - | 27/02/2025 |
| Carbon dioxide | 6 monthly | 13.1 | % | - | 27/02/2025 |
| Chlorine | 6 monthly | <0.02 | mg/m3 | - | 9/01/2025 |
| Fluorine | 6 monthly | 8.5 | mg/m3 | - | 9/01/2025 |
| Hydrogen chloride | 6 monthly | 6.2 | mg/m3 | - | 9/01/2025 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 2.7 | mg/m3 | - | 9/01/2025 |
| Volatile organic compounds as n-propane | 6 monthly | <0.1 | mg/m3 | - | 9/01/2025 |
| Cadmium | 6 monthly | <0.0001 | mg/m3 | - | 27/02/2025 |
| Mercury | 6 monthly | <0.0004 | mg/m3 | - | 27/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.051 | mg/m3 | - | 27/02/2025 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | | 290 | m3/sec | - | 27/02/2025 |
| Moisture | | 6.4 | % | - | 27/02/2025 |
| Oxygen | | 6.8 | % | - | 27/02/2025 |
| Solid Particles | Quarterly | 6.9 | mg/m3 | - | 27/02/2025 |
| Temperature | | 119 | degC | - | 27/02/2025 |
| Cadmium | 6 monthly | <0.00005 | mg/m3 | - | 27/02/2025 |
| Mercury | 6 monthly | 0.00062 | mg/m3 | - | 27/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.017 | mg/m3 | - | 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 | 6.1 | $Mg/m^3$ | 50 | 25/2/2025 |
| Sulfuric acid mist and sulfur trioxide (as SO3) | 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 | 240 | m3/sec | - | 25/02/2025 |
| Moisture | 6 monthly | 5.6 | % | - | 25/02/2025 |
| Oxygen | 6 Monthly | 8.3 | % | - | 25/02/2025 |
| Solid Particles | Quarterly | 3.6 | mg/m3 | - | 25/02/2025 |
| Temperature | 6 monthly | 114 | degC | - | 25/02/2025 |
| Carbon dioxide | 6 monthly | 11.5 | % | - | 25/02/2025 |
| Chlorine | 6 monthly | 0.046 | mg/m3 | - | 11/12/2024 |
| Fluorine | 6 monthly | 9.7 | mg/m3 | - | 11/12/2024 |
| Hydrogen chloride | 6 monthly | 15 | mg/m3 | - | 11/12/2024 |
| Sulfuric acid mist and sulfur trioxide (as SO3) | 6 monthly | 1.2 | mg/m3 | - | 11/12/2024 |
| Volatile organic compounds as n-propane equivalent | 6 monthly | <0.08 | mg/m3 | - | 11/12/2024 |
| Cadmium | 6 monthly | <0.00018 | mg/m3 | - | 25/02/2025 |
| Mercury | 6 monthly | <0.00046 | mg/m3 | - | 25/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.015 | mg/m3 | - | 25/02/2025 |

| *EPA Identification No 12 – Air Emissions monitoring, Boiler 3 Exhaust Duct B* | | | | | |
|---|---|---|---|---|---|
| **Name** | **Frequency** | **Reading** | **Units** | **Licence Limit** | **Date** |
| Flow Rate | | 240 | m3/sec | - | 25/02/2025 |
| Moisture | | 5 | % | - | 25/02/2025 |
| Oxygen | | 8.3 | % | - | 25/02/2025 |
| Solid Particles | Quarterly | 8.5 | mg/m3 | - | 25/02/2025 |
| Temperature | | 115 | degC | - | 25/02/2025 |
| Cadmium | 6 monthly | <0.0001 | mg/m3 | - | 25/02/2025 |
| Mercury | 6 monthly | 0.00035 | mg/m3 | - | 25/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.032 | mg/m3 | - | 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 | 8.7 | $mg/m^3$ | 50 | 28/02/2025 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 2.1 | $mg/m^3$ | 100 | 12-13/12/2024 |
| Volatile organic compounds as n-propane | 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 | 350 | m3/sec | - | 28/02/2025 |
| Moisture | 6 monthly | 5.3 | % | - | 28/02/2025 |
| Oxygen | 6 monthly | 8.8 | % | - | 28/02/2025 |
| Solid Particles | Quarterly | 13 | mg/m3 | - | 28/02/2025 |
| Temperature | 6 monthly | 119 | degC | - | 28/02/2025 |
| Carbon dioxide | 6 monthly | 11.1 | % | - | 28/02/2025 |
| Chlorine | 6 monthly | <0.01 | mg/m3 | - | 12-13/12/2024 |
| Fluorine | 6 monthly | 11 | mg/m3 | - | 12-13/12/2024 |
| Hydrogen chloride | 6 monthly | 8.5 | mg/m3 | - | 12-13/12/2024 |
| Sulfuric acid mist and sulfur trioxide (as | 6 monthly | 2.1 | mg/m3 | - | 12-13/12/2024 |
| Volatile organic compounds as n-propane | 6 monthly | 0.11 | mg/m3 | - | 12-13/12/2024 |
| Cadmium | 6 monthly | <0.00005 | mg/m3 | - | 28/02/2025 |
| Mercury | 6 monthly | 0.0013 | mg/m3 | - | 28/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.017 | mg/m3 | - | 28/02/2025 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | | 330 | m3/sec | - | 28/02/2025 |
| Moisture | | 6 | % | - | 28/02/2025 |
| Oxygen | | 7.3 | % | - | 28/02/2025 |
| Solid Particles | Quarterly | 4.2 | mg/m3 | - | 28/02/2025 |
| Temperature | | 126 | degC | - | 28/02/2025 |
| Cadmium | 6 monthly | <0.00007 | mg/m3 | - | 28/02/2025 |
| Mercury | 6 monthly | 0.00032 | mg/m3 | - | 28/02/2025 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.015 | mg/m3 | - | 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 |
| 24.6 | 0.5 | 25.94 | 8.47 | 34.48 | 92.4 | 6.19 | 1.75 |

| | Laboratory Analysis | | | |
|---|---|---|---|---|
| **Name** | **Reading** | **Units** | **Licence Limit** | **Date** |
| Aluminium | 0.095 | mg/L | - | 10/03/25 |
| Ammonia | <0.005 | mg/L | - | 10/03/25 |
| Arsenic III | <0.008 | mg/L | - | 10/03/25 |
| Arsenic V | <0.008 | mg/L | - | 10/03/25 |
| Cadmium | <0.0002 | mg/L | - | 10/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 10/03/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 10/03/25 |
| Copper | 0.001 | mg/L | - | 10/03/25 |
| Iron | 0.133 | mg/L | - | 10/03/25 |
| Lead | <0.0002 | mg/L | - | 10/03/25 |
| Manganese | 0.0071 | mg/L | - | 10/03/25 |
| Nickel | <0.0005 | mg/L | - | 10/03/25 |
| pH | 8.12 | pH units | - | 10/03/25 |
| Selenium | <0.002 | mg/L | - | 10/03/25 |
| Total Suspended Solids | <5 | mg/L | - | 10/03/25 |
| Vanadium | 0.0030 | mg/L | - | 10/03/25 |
| Zinc | <0.005 | mg/L | - | 10/03/25 |

## 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 |
| 27.64 | 0.5 | 25.61 | 8.42 | 35.06 | 92.3 | 6.18 | 2.25 |

| Laboratory Analysis | | | | |
|---|---|---|---|---|
| **Name** | **Reading** | **Units** | **Licence Limits** | **Date** |
| Aluminium | 0.101 | mg/L | - | 10/03/25 |
| Ammonia | <0.005 | mg/L | - | 10/03/25 |
| Arsenic III | <0.008 | mg/L | - | 10/03/25 |
| Arsenic V | <0.008 | mg/L | - | 10/03/25 |
| Cadmium | <0.0002 | mg/L | - | 10/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 10/03/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 10/03/25 |
| Copper | 0.001 | mg/L | - | 10/03/25 |
| Iron | 0.126 | mg/L | - | 10/03/25 |
| Lead | <0.0002 | mg/L | - | 10/03/25 |
| Manganese | 0.0125 | mg/L | - | 10/03/25 |
| Nickel | 0.0013 | mg/L | - | 10/03/25 |
| pH | 8.12 | pH units | - | 10/03/25 |
| Selenium | <0.002 | mg/L | - | 10/03/25 |
| Total Suspended Solids | <5 | mg/L | - | 10/03/25 |
| Vanadium | 0.0031 | mg/L | - | 10/03/25 |
| Zinc | <0.005 | mg/L | - | 10/03/25 |

## 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 |
| 24.0 | 0.5 | 24.56 | 8.45 | 34.91 | 106.4 | 7.26 | 3.75 |

**Laboratory Analysis**

| Name | Reading | Units | Licence Limits | Date |
|---|---|---|---|---|
| Aluminium | 0.013 | mg/L | - | 10/03/25 |
| Ammonia | <0.005 | mg/L | - | 10/03/25 |
| Arsenic III | <0.008 | mg/L | - | 10/03/25 |
| Arsenic V | <0.008 | mg/L | - | 10/03/25 |
| Cadmium | <0.0002 | mg/L | - | 10/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 10/03/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 10/03/25 |
| Copper | <0.001 | mg/L | - | 10/03/25 |
| Iron | 0.011 | mg/L | - | 10/03/25 |
| Lead | <0.0002 | mg/L | - | 10/03/25 |
| Manganese | 0.0036 | mg/L | - | 10/03/25 |
| Nickel | 0.0006 | mg/L | - | 10/03/25 |
| pH | 8.14 | pH units | - | 10/03/25 |
| Selenium | <0.002 | mg/L | - | 10/03/25 |
| Total Suspended Solids | <5 | mg/L | - | 10/03/25 |
| Vanadium | 0.0020 | mg/L | - | 10/03/25 |
| Zinc | <0.005 | mg/L | - | 10/03/25 |

## 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 |
| 23.15 | 0.5 | 28.13 | 8.43 | 35.24 | 93 | 5.97 | 2.25 |

**Laboratory Analysis**

| Name | Reading | Units | Licence Limits | Date |
|---|---|---|---|---|
| Aluminium | 0.044 | mg/L | - | 10/03/25 |
| Ammonia | <0.005 | mg/L | - | 10/03/25 |
| Arsenic III | <0.008 | mg/L | - | 10/03/25 |
| Arsenic V | <0.008 | mg/L | - | 10/03/25 |
| Cadmium | <0.0002 | mg/L | - | 10/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 10/03/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 10/03/25 |
| Copper | 0.001 | mg/L | - | 10/03/25 |
| Iron | 0.062 | mg/L | - | 10/03/25 |
| Lead | <0.0002 | mg/L | - | 10/03/25 |
| Manganese | 0.0061 | mg/L | - | 10/03/25 |
| Nickel | 0.0008 | mg/L | - | 10/03/25 |
| pH | 8.13 | pH units | - | 10/03/25 |
| Selenium | <0.002 | mg/L | - | 10/03/25 |
| Total Suspended Solids | <5 | mg/L | - | 10/03/25 |
| Vanadium | 0.0029 | mg/L | - | 10/03/25 |
| Zinc | <0.005 | mg/L | - | 10/03/25 |

## 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 | 0.111 | mg/L | - | 4/03/25 |
| Ammonia | 0.69 | mg/L | - | 4/03/25 |
| Arsenic III | <0.0005 | mg/L | - | 4/03/25 |
| Arsenic V | 0.0128 | mg/L | - | 4/03/25 |
| Cadmium | 0.00008 | mg/L | - | 4/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 4/03/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 4/03/25 |
| Copper | 0.0011 | mg/L | - | 4/03/25 |
| Iron | 0.026 | mg/L | - | 4/03/25 |
| Lead | <0.0001 | mg/L | - | 4/03/25 |
| Manganese | 0.0545 | mg/L | - | 4/03/25 |
| Nickel | 0.0019 | mg/L | - | 4/03/25 |
| Nitrite and Nitrate as N | 3.10 | mg/L | - | 4/03/25 |
| Nitrogen | 4.1 | mg/L | - | 4/03/25 |
| pH | 7.94 | pH units | - | 4/03/25 |
| Phosphorus as P | 0.80 | mg/L | - | 4/03/25 |
| Reactive Phosphorus as P | 0.53 | mg/L | - | 4/03/25 |
| Selenium | 0.0449 | mg/L | - | 4/03/25 |
| Total Kjeldahl Nitrogen | 1.6 | mg/L | - | 4/03/25 |
| Total Suspended Solids | 18 | mg/L | - | 4/03/25 |
| Vanadium | 0.0865 | mg/L | - | 4/03/25 |
| Zinc | 0.002 | mg/L | - | 4/03/25 |

## 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 | 0.069 | mg/L | - | 4/03/25 |
| Ammonia | <0.005 | mg/L | - | 4/03/25 |
| Arsenic III | <0.008 | mg/L | - | 4/03/25 |
| Arsenic V | <0.008 | mg/L | - | 4/03/25 |
| Cadmium | <0.0002 | mg/L | - | 4/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 4/03/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 4/03/25 |
| Copper | 0.0010 | mg/L | - | 4/03/25 |
| Iron | 0.092 | mg/L | - | 4/03/25 |
| Lead | <0.0002 | mg/L | - | 4/03/25 |
| Manganese | 0.0074 | mg/L | - | 4/03/25 |
| Nickel | 0.0011 | mg/L | - | 4/03/25 |
| pH | 8.05 | pH units | - | 4/03/25 |
| Selenium | 0.001 | mg/L | - | 4/03/25 |
| Total Suspended Solids | 21 | mg/L | - | 4/03/25 |
| Vanadium | 0.0030 | mg/L | - | 4/03/25 |
| Zinc | <0.005 | mg/L | - | 4/03/25 |
| Dissolved Oxygen | 6.34 | mg/L | - | 4/03/25 |
| Field Temperature | 25.8 | degC | - | 4/03/25 |
| Salinity | 35.19 | ppt | - | 4/03/25 |
| Secchi Disk | 2.75 | m | - | 4/03/25 |
| Temperature – Average | 26.17 | deg C | - | March 25 |
| Temperature – Minimum | 24.27 | deg C | - | March 25 |
| Temperature - Maximum | 28.94 | deg C | - | March 25 |

## Eraring Cooling Water Outlet Canal

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

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Copper | 0.0011 | mg/L | 0.005 | 4/03/25 |
| Iron | 0.095 | mg/L | 0.3 | 4/03/25 |
| Selenium | 0.001 | mg/L | 0.002 | 4/03/25 |

## 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 | 32.70 | deg C | 35.5 | 37.5 | 38.5 | March 25 |
| Temperature – Minimum | 28.05 | deg C | | | | March 25 |
| Temperature - Maximum | 35.44 | deg C | | | | March 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 | 8.23 | ML | 150 | March 25 |
| Monthly Discharge from Ash Dam | 65.83 | ML | - | March 25 |

### 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, background sampling only*

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Aluminium | 0.008 | mg/L | - | 4/03/25 |
| Ammonia | 3.04 | mg/L | - | 4/03/25 |
| Arsenic III | 0.0036 | mg/L | - | 4/03/25 |
| Arsenic V | 0.0011 | mg/L | - | 4/03/25 |
| Cadmium | <0.00005 | mg/L | - | 4/03/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 4/03/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 4/03/25 |
| Copper | <0.0005 | mg/L | - | 4/03/25 |
| Iron | 1.09 | mg/L | - | 4/03/25 |
| Lead | <0.0001 | mg/L | - | 4/03/25 |
| Manganese | 0.879 | mg/L | - | 4/03/25 |
| Nickel | 0.0026 | mg/L | - | 4/03/25 |
| Nitrite and Nitrate as N | 0.069 | mg/L | - | 4/03/25 |
| Nitrogen | 2.80 | mg/L | - | 4/03/25 |
| pH | 6.78 | pH units | 6-9.5 | 4/03/25 |
| Phosphorus as P | 0.406 | mg/L | - | 4/03/25 |
| Reactive Phosphorus as P | 0.022 | mg/L | - | 4/03/25 |
| Selenium | 0.0004 | mg/L | - | 4/03/25 |
| Total Kjeldahl Nitrogen | 2.73 | mg/L | - | 4/03/25 |
| Total Suspended Solids | 35 | mg/L | 50 | 4/03/25 |
| Vanadium | 0.0003 | mg/L | - | 4/03/25 |
| Zinc | 0.002 | mg/L | - | 4/03/25 |

**MR217**

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

*MR217 Did not discharge and no background sample taken due to insufficient water.*

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Aluminium | | mg/L | - | 4/03/25 |
| Ammonia | | mg/L | - | 4/03/25 |
| Arsenic III | | mg/L | - | 4/03/25 |
| Arsenic V | | mg/L | - | 4/03/25 |
| Cadmium | | mg/L | - | 4/03/25 |
| Chromium (Trivalent) | | mg/L | - | 4/03/25 |
| Chromium (VI) Compounds | | mg/L | - | 4/03/25 |
| Copper | | mg/L | - | 4/03/25 |
| Iron | | mg/L | - | 4/03/25 |
| Lead | | mg/L | - | 4/03/25 |
| Manganese | | mg/L | - | 4/03/25 |
| Nickel | | mg/L | - | 4/03/25 |
| Nitrite and Nitrate as N | | mg/L | - | 4/03/25 |
| Nitrogen | | mg/L | - | 4/03/25 |
| pH | | pH units | 6-9.5 | 4/03/25 |
| Phosphorus as P | | mg/L | - | 4/03/25 |
| Reactive Phosphorus as P | | mg/L | - | 4/03/25 |
| Selenium | | mg/L | - | 4/03/25 |
| Total Kjeldahl Nitrogen | | mg/L | - | 4/03/25 |
| Total Suspended Solids | | mg/L | 50 | 4/03/25 |
| Vanadium | | mg/L | - | 4/03/25 |
| Zinc | | mg/L | - | 4/03/25 |

**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 (not discharging, no samples collected).**

| Name | Min reading (mg/L) | Average reading (mg/L) | Maximum Reading (mg/L) | EPL Limit | Number of samples |
|---|---|---|---|---|---|
| Cadmium | | | | - | |
| Chromium (hexavalant) | | | | - | |
| Chromium (trivalent) | | | | - | |
| Copper | | | | - | |
| Manganese | | | | - | |
| Nickel | | | | - | |
| PFOS | | | | - | |
| PFOA | | | | - | |
| pH | | | | - | |
| Selenium | | | | - | |
| Total Suspended solids | | | | - | |
| Vanadium | | | | - | |
| Zinc | | | | - | |

| Megalitres per day | | | |
|---|---|---|---|
| Min | Ave | Max | Monthly total |
| | | | |

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

| Name | Frequency | Reading | EPL Limit | Date |
|---|---|---|---|---|
| Cadmium | Daily during any discharge | | - | |
| Chromium (hexavalant) | Daily during any discharge | | - | |
| Chromium (trivalent) | Daily during any discharge | | - | |
| Copper | Daily during any discharge | | - | |
| Manganese | Daily during any discharge | | - | |
| Nickel | Daily during any discharge | | - | |
| PFOS | Daily during any discharge | | - | |
| PFOA | Daily during any discharge | | - | |
| pH | Daily during any discharge | | - | |
| Selenium | Daily during any discharge | | - | |
| Total Suspended solids | Daily during any discharge | | - | |
| Vanadium | Daily during any discharge | | - | |
| Zinc | 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 | Reading | EPL Limit | Date |
|---|---|---|---|
| Cadmium | | - | |
| Chromium (hexavalant) | | - | |
| Chromium (trivalent) | | - | |
| Copper | | - | |
| Manganese | | - | |
| Nickel | | - | |
| PFOS | | - | |
| PFOA | | - | |
| pH | | - | |
| Selenium | | - | |
| Total Suspended solids | | - | |
| Vanadium | | - | |
| Zinc | | - | |

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

| Name | Reading | EPL Limit | Date |
|---|---|---|---|
| Cadmium | | - | |
| Chromium (hexavalant) | | - | |
| Chromium (trivalent) | | - | |
| Copper | | - | |
| Manganese | | - | |
| Nickel | | - | |
| PFOS | | - | |
| PFOA | | - | |
| pH | | - | |
| Selenium | | - | |
| Total Suspended solids | | - | |
| Vanadium | | - | |
| Zinc | | - | |