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

# Environmental Monitoring Data January 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*

| | 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 |
| 01/01/2025 | 366 | 395 | 326 | 902 | 1020 | 735 |
| 02/01/2025 | 327 | 386 | 301 | 831 | 962 | 744 |
| 03/01/2025 | 324 | 351 | 295 | 933 | 1114 | 760 |
| 04/01/2025 | 350 | 394 | 304 | 1079 | 1239 | 844 |
| 05/01/2025 | 357 | 411 | 320 | 1020 | 1124 | 896 |
| 06/01/2025 | 334 | 382 | 280 | 983 | 1048 | 907 |
| 07/01/2025 | 385 | 429 | 284 | 748 | 936 | 545 |
| 08/01/2025 | 351 | 404 | 305 | 665 | 896 | 485 |
| 09/01/2025 | 349 | 406 | 305 | 703 | 804 | 523 |
| 10/01/2025 | 367 | 412 | 294 | 857 | 910 | 684 |
| 11/01/2025 | 369 | 464 | 319 | 811 | 953 | 718 |
| 12/01/2025 | 341 | 383 | 272 | 804 | 883 | 683 |
| 13/01/2025 | 409 | 465 | 343 | 805 | 852 | 720 |
| 14/01/2025 | 383 | 435 | 328 | 828 | 875 | 755 |
| 15/01/2025 | 389 | 465 | 339 | 803 | 861 | 699 |
| 16/01/2025 | 355 | 387 | 334 | 670 | 908 | 539 |
| 17/01/2025 | 336 | 381 | 281 | 613 | 843 | 466 |
| 18/01/2025 | 309 | 348 | 276 | 567 | 745 | 406 |
| 19/01/2025 | 319 | 358 | 299 | 633 | 742 | 466 |
| 20/01/2025 | 347 | 420 | 306 | 840 | 982 | 537 |
| 21/01/2025 | 358 | 413 | 308 | 787 | 876 | 706 |
| 22/01/2025 | 343 | 379 | 312 | 839 | 984 | 671 |
| 23/01/2025 | 355 | 383 | 310 | 812 | 940 | 712 |
| 24/01/2025 | 333 | 393 | 272 | 818 | 971 | 683 |
| 25/01/2025 | 357 | 407 | 297 | 821 | 913 | 681 |
| 26/01/2025 | 347 | 380 | 281 | 885 | 932 | 828 |
| 27/01/2025 | 329 | 380 | 276 | 906 | 1030 | 789 |
| 28/01/2025 | 340 | 388 | 271 | 820 | 887 | 714 |
| 29/01/2025 | 353 | 406 | 315 | 720 | 906 | 588 |
| 30/01/2025 | 362 | 414 | 323 | 694 | 802 | 594 |
| 31/01/2025 | 387 | 441 | 339 | 756 | 891 | 651 |

## Unit 1B Boiler Continuous Emission Monitoring Summary

*EPA Identification no.7 - Air emissions monitoring, Boiler 1 stack discharge to air*
*Unit 1B Data Invalidated 16 January 2025*
*NOx Data Invalidated 5 January 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 |
| 01/01/2025 | 337 | 384 | 305 | 832 | 873 | 801 |
| 02/01/2025 | 302 | 379 | 275 | 906 | 977 | 807 |
| 03/01/2025 | 302 | 331 | 273 | 959 | 1011 | 912 |
| 04/01/2025 | 312 | 370 | 276 | 993 | 1045 | 932 |
| 05/01/2025 | - | - | - | 900 | 938 | 869 |
| 06/01/2025 | 308 | 347 | 261 | 871 | 914 | 821 |
| 07/01/2025 | 357 | 394 | 266 | 816 | 878 | 730 |
| 08/01/2025 | 334 | 363 | 292 | 805 | 864 | 748 |
| 09/01/2025 | 324 | 381 | 296 | 741 | 788 | 684 |
| 10/01/2025 | 328 | 376 | 272 | 794 | 834 | 750 |
| 11/01/2025 | 326 | 388 | 283 | 776 | 831 | 721 |
| 12/01/2025 | 307 | 352 | 266 | 772 | 818 | 714 |
| 13/01/2025 | 368 | 442 | 320 | 711 | 763 | 694 |
| 14/01/2025 | 336 | 380 | 292 | 725 | 773 | 679 |
| 15/01/2025 | 348 | 418 | 289 | 713 | 740 | 675 |
| 16/01/2025 | - | - | - | - | - | - |
| 17/01/2025 | 314 | 349 | 262 | 759 | 788 | 728 |
| 18/01/2025 | 306 | 349 | 270 | 682 | 726 | 648 |
| 19/01/2025 | 314 | 335 | 288 | 738 | 764 | 706 |
| 20/01/2025 | 325 | 380 | 291 | 846 | 919 | 748 |
| 21/01/2025 | 314 | 341 | 278 | 754 | 826 | 697 |
| 22/01/2025 | 317 | 349 | 296 | 796 | 891 | 734 |
| 23/01/2025 | 322 | 339 | 299 | 834 | 892 | 791 |
| 24/01/2025 | 307 | 341 | 270 | 821 | 887 | 758 |
| 25/01/2025 | 326 | 360 | 285 | 783 | 877 | 704 |
| 26/01/2025 | 324 | 346 | 275 | 849 | 891 | 775 |
| 27/01/2025 | 307 | 344 | 264 | 840 | 913 | 784 |
| 28/01/2025 | 317 | 378 | 260 | 738 | 823 | 676 |
| 29/01/2025 | 320 | 366 | 282 | 747 | 791 | 701 |
| 30/01/2025 | 322 | 350 | 300 | 692 | 734 | 657 |
| 31/01/2025 | 330 | 352 | 304 | 744 | 781 | 701 |

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

*EPA Identification no. 9 - 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 | Max Hourly | Min Hourly | Daily Ave | Max Hourly | Min Hourly |
| 01/01/2025 | 336 | 387 | 280 | 747 | 775 | 716 |
| 02/01/2025 | 324 | 366 | 298 | 825 | 902 | 743 |
| 03/01/2025 | 305 | 360 | 252 | 845 | 895 | 763 |
| 04/01/2025 | 322 | 374 | 252 | 877 | 914 | 829 |
| 05/01/2025 | 328 | 386 | 248 | 818 | 867 | 761 |
| 06/01/2025 | 362 | 450 | 272 | 812 | 879 | 766 |
| 07/01/2025 | 300 | 353 | 247 | 726 | 825 | 585 |
| 08/01/2025 | 335 | 425 | 286 | 677 | 756 | 575 |
| 09/01/2025 | 362 | 468 | 309 | 651 | 720 | 544 |
| 10/01/2025 | 417 | 487 | 327 | 727 | 742 | 711 |
| 11/01/2025 | 380 | 493 | 294 | 695 | 763 | 617 |
| 12/01/2025 | 356 | 442 | 243 | 675 | 715 | 627 |
| 13/01/2025 | 410 | 492 | 274 | 645 | 697 | 607 |
| 14/01/2025 | 421 | 527 | 353 | 645 | 691 | 593 |
| 15/01/2025 | 412 | 555 | 330 | 640 | 673 | 596 |
| 16/01/2025 | 389 | 460 | 345 | 644 | 716 | 572 |
| 17/01/2025 | 388 | 449 | 348 | 589 | 726 | 498 |
| 18/01/2025 | 362 | 451 | 292 | 548 | 650 | 468 |
| 19/01/2025 | 405 | 442 | 370 | 636 | 682 | 600 |
| 20/01/2025 | 416 | 480 | 350 | 750 | 802 | 658 |
| 21/01/2025 | 454 | 582 | 358 | 649 | 718 | 588 |
| 22/01/2025 | 390 | 481 | 356 | 737 | 840 | 663 |
| 23/01/2025 | 397 | 464 | 356 | 784 | 840 | 744 |
| 24/01/2025 | 403 | 475 | 333 | 740 | 805 | 639 |
| 25/01/2025 | 420 | 463 | 338 | 659 | 731 | 563 |
| 26/01/2025 | 396 | 471 | 317 | 759 | 822 | 699 |
| 27/01/2025 | 324 | 389 | 254 | 702 | 755 | 656 |
| 28/01/2025 | 338 | 384 | 278 | 655 | 739 | 571 |
| 29/01/2025 | 344 | 384 | 317 | 700 | 733 | 664 |
| 30/01/2025 | 378 | 434 | 322 | 658 | 701 | 617 |
| 31/01/2025 | 386 | 452 | 317 | 698 | 730 | 658 |

## Unit 2B Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 10 - Air emissions monitoring, Boiler 2 stack discharge to air*
*Unit 2B Data Invalidated 25-29 January 2025*
*NOx Data Invalidated 24 January 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 |
| 01/01/2025 | 336 | 376 | 299 | 773 | 840 | 722 |
| 02/01/2025 | 311 | 357 | 271 | 859 | 929 | 774 |
| 03/01/2025 | 308 | 357 | 262 | 884 | 954 | 813 |
| 04/01/2025 | 330 | 366 | 258 | 933 | 983 | 858 |
| 05/01/2025 | 338 | 396 | 255 | 874 | 901 | 836 |
| 06/01/2025 | 362 | 462 | 275 | 856 | 917 | 798 |
| 07/01/2025 | 309 | 363 | 274 | 778 | 835 | 684 |
| 08/01/2025 | 341 | 436 | 297 | 767 | 802 | 710 |
| 09/01/2025 | 359 | 471 | 307 | 700 | 743 | 651 |
| 10/01/2025 | 405 | 485 | 329 | 749 | 776 | 724 |
| 11/01/2025 | 372 | 466 | 288 | 723 | 816 | 650 |
| 12/01/2025 | 365 | 430 | 261 | 707 | 751 | 656 |
| 13/01/2025 | 412 | 488 | 294 | 674 | 722 | 644 |
| 14/01/2025 | 423 | 511 | 348 | 671 | 712 | 628 |
| 15/01/2025 | 422 | 571 | 343 | 674 | 697 | 654 |
| 16/01/2025 | 392 | 497 | 347 | 695 | 738 | 632 |
| 17/01/2025 | 410 | 464 | 363 | 710 | 750 | 654 |
| 18/01/2025 | 382 | 470 | 315 | 639 | 665 | 603 |
| 19/01/2025 | 421 | 479 | 365 | 682 | 719 | 630 |
| 20/01/2025 | 428 | 498 | 375 | 784 | 864 | 684 |
| 21/01/2025 | 458 | 560 | 335 | 677 | 730 | 610 |
| 22/01/2025 | 394 | 500 | 361 | 761 | 860 | 670 |
| 23/01/2025 | 397 | 472 | 353 | 801 | 873 | 751 |
| 24/01/2025 | - | - | - | 739 | 829 | 653 |
| 25/01/2025 | - | - | - | - | - | - |
| 26/01/2025 | - | - | - | - | - | - |
| 27/01/2025 | - | - | - | - | - | - |
| 28/01/2025 | - | - | - | - | - | - |
| 29/01/2025 | - | - | - | - | - | - |
| 30/01/2025 | 376 | 420 | 352 | 688 | 786 | 643 |
| 31/01/2025 | 381 | 440 | 331 | 704 | 745 | 640 |

## Unit 3A Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air*
*Unit 3A Offline 9-13 January 2025*
*Unit 3A Data Invalidated 7, 22, 28 & 29 January 2025*
*NOx Unit Data Invalidated 2, 4 & 21 January 2025*
*$SO_2$ Unit Data Invalidated 25, 26 & 27 January 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 |
| 01/01/2025 | 370 | 441 | 254 | 837 | 874 | 800 |
| 02/01/2025 | - | - | - | 903 | 972 | 834 |
| 03/01/2025 | 347 | 412 | 294 | 955 | 991 | 878 |
| 04/01/2025 | - | - | - | 999 | 1044 | 968 |
| 05/01/2025 | 373 | 416 | 291 | 905 | 960 | 864 |
| 06/01/2025 | 378 | 418 | 319 | 906 | 988 | 857 |
| 07/01/2025 | - | - | - | - | - | - |
| 08/01/2025 | 350 | 425 | 267 | 811 | 846 | 746 |
| 09/01/2025 | - | - | - | - | - | - |
| 10/01/2025 | - | - | - | - | - | - |
| 11/01/2025 | - | - | - | - | - | - |
| 12/01/2025 | - | - | - | - | - | - |
| 13/01/2025 | - | - | - | - | - | - |
| 14/01/2025 | 394 | 454 | 345 | 726 | 822 | 663 |
| 15/01/2025 | 430 | 536 | 358 | 733 | 794 | 687 |
| 16/01/2025 | 344 | 401 | 295 | 762 | 807 | 707 |
| 17/01/2025 | 344 | 403 | 293 | 770 | 788 | 736 |
| 18/01/2025 | 319 | 331 | 281 | 687 | 737 | 630 |
| 19/01/2025 | 322 | 370 | 300 | 714 | 751 | 676 |
| 20/01/2025 | 343 | 385 | 310 | 844 | 906 | 754 |
| 21/01/2025 | - | - | - | 740 | 803 | 687 |
| 22/01/2025 | - | - | - | - | - | - |
| 23/01/2025 | 335 | 394 | 249 | 843 | 925 | 769 |
| 24/01/2025 | 356 | 418 | 279 | 797 | 845 | 736 |
| 25/01/2025 | 381 | 414 | 317 | - | - | - |
| 26/01/2025 | 355 | 414 | 287 | - | - | - |
| 27/01/2025 | 363 | 409 | 278 | - | - | - |
| 28/01/2025 | - | - | - | - | - | - |
| 29/01/2025 | - | - | - | - | - | - |
| 30/01/2025 | 376 | 436 | 297 | 716 | 769 | 692 |
| 31/01/2025 | 358 | 406 | 290 | 759 | 818 | 712 |

## Unit 3B Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 12 - Air emissions monitoring, Boiler 3 stack discharge to air*
*Unit 3B Offline 9-13 January 2025*
*Unit 3B Data Invalidated 22, 28 & 30 January 2025*
*NOx Data Invalidated 1, 2, 6, 19, 20, 23, 25 & 31 January 2025*
*$SO_2$ Data Invalidated 26 & 27 January 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 |
| 01/01/2025 | - | - | - | 802 | 908 | 730 |
| 02/01/2025 | - | - | - | 867 | 922 | 811 |
| 03/01/2025 | 331 | 354 | 287 | 907 | 988 | 832 |
| 04/01/2025 | 348 | 424 | 286 | 933 | 1053 | 836 |
| 05/01/2025 | 372 | 448 | 314 | 859 | 908 | 787 |
| 06/01/2025 | - | - | - | 817 | 877 | 753 |
| 07/01/2025 | 334 | 396 | 264 | 781 | 851 | 725 |
| 08/01/2025 | 328 | 377 | 270 | 779 | 844 | 680 |
| 09/01/2025 | - | - | - | - | - | - |
| 10/01/2025 | - | - | - | - | - | - |
| 11/01/2025 | - | - | - | - | - | - |
| 12/01/2025 | - | - | - | - | - | - |
| 13/01/2025 | - | - | - | - | - | - |
| 14/01/2025 | 389 | 439 | 336 | 696 | 729 | 658 |
| 15/01/2025 | 416 | 584 | 335 | 671 | 723 | 620 |
| 16/01/2025 | 334 | 385 | 298 | 710 | 752 | 656 |
| 17/01/2025 | 333 | 412 | 296 | 714 | 760 | 656 |
| 18/01/2025 | 306 | 323 | 254 | 662 | 689 | 621 |
| 19/01/2025 | - | - | - | 681 | 739 | 627 |
| 20/01/2025 | - | - | - | 799 | 896 | 681 |
| 21/01/2025 | 355 | 400 | 284 | 679 | 739 | 603 |
| 22/01/2025 | - | - | - | - | - | |
| 23/01/2025 | - | - | - | 803 | 903 | 707 |
| 24/01/2025 | 356 | 441 | 264 | 731 | 832 | 662 |
| 25/01/2025 | - | - | - | 674 | 724 | 640 |
| 26/01/2025 | 325 | 386 | 265 | - | - | - |
| 27/01/2025 | 344 | 422 | 259 | - | - | - |
| 28/01/2025 | - | - | - | - | - | - |
| 29/01/2025 | 346 | 381 | 280 | 718 | 750 | 650 |
| 30/01/2025 | - | - | - | - | - | - |
| 31/01/2025 | - | - | - | 682 | 748 | 611 |

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

*EPA Identification no. 13 - Air emissions monitoring, Boiler 4 stack discharge to air*
*Unit 4A Offline 1-6 & 29-31 January 2025*
*Unit 4A Data Invalidated 27 & 28 January 2025*
*NOx Unit Data Invalidated 18 & 19 January 2025*
*$SO_2$ Data Invalidated 25 & 26 January 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 |
| 01/01/2025 | - | - | - | - | - | - |
| 02/01/2025 | - | - | - | - | - | - |
| 03/01/2025 | - | - | - | - | - | - |
| 04/01/2025 | - | - | - | - | - | - |
| 05/01/2025 | - | - | - | - | - | - |
| 06/01/2025 | - | - | - | - | - | - |
| 07/01/2025 | 339 | 399 | 293 | 552 | 740 | 379 |
| 08/01/2025 | 366 | 431 | 287 | 570 | 755 | 425 |
| 09/01/2025 | 358 | 459 | 289 | 568 | 671 | 511 |
| 10/01/2025 | 333 | 408 | 273 | 575 | 677 | 507 |
| 11/01/2025 | 310 | 387 | 269 | 562 | 687 | 462 |
| 12/01/2025 | 302 | 378 | 256 | 586 | 743 | 444 |
| 13/01/2025 | 349 | 476 | 295 | 556 | 643 | 485 |
| 14/01/2025 | 328 | 373 | 279 | 530 | 588 | 465 |
| 15/01/2025 | 305 | 420 | 172 | 585 | 687 | 502 |
| 16/01/2025 | 380 | 528 | 309 | 514 | 633 | 386 |
| 17/01/2025 | 452 | 583 | 322 | 509 | 667 | 444 |
| 18/01/2025 | - | - | - | 514 | 675 | 399 |
| 19/01/2025 | - | - | - | 626 | 713 | 506 |
| 20/01/2025 | 494 | 696 | 307 | 715 | 852 | 581 |
| 21/01/2025 | 403 | 649 | 265 | 622 | 709 | 490 |
| 22/01/2025 | 287 | 391 | 149 | 646 | 769 | 558 |
| 23/01/2025 | 319 | 367 | 251 | 681 | 772 | 583 |
| 24/01/2025 | 323 | 484 | 265 | 679 | 815 | 584 |
| 25/01/2025 | 413 | 613 | 282 | - | - | - |
| 26/01/2025 | 328 | 416 | 262 | - | - | - |
| 27/01/2025 | - | - | - | - | - | - |
| 28/01/2025 | - | - | - | - | - | - |
| 29/01/2025 | - | - | - | - | - | - |
| 30/01/2025 | - | - | - | - | - | - |
| 31/01/2025 | - | - | - | - | - | - |

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

*EPA Identification no. 14 – Air emissions monitoring, Boiler 4 stack discharge to air*
*Unit 4B Offline 1-6, 29-31 January 2025*
*Unit 4 B Data Invalidated 28 January 2025*
*NOx Data Invalidated 19 January 2025*
*$SO_2$ Data Invalidated 26 &27 January 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 |
| 01/01/2025 | - | - | - | - | - | - |
| 02/01/2025 | - | - | - | - | - | - |
| 03/01/2025 | - | - | - | - | - | - |
| 04/01/2025 | - | - | - | - | - | - |
| 05/01/2025 | - | - | - | - | - | - |
| 06/01/2025 | - | - | - | - | - | - |
| 07/01/2025 | 367 | 422 | 318 | 757 | 865 | 690 |
| 08/01/2025 | 368 | 410 | 314 | 753 | 815 | 624 |
| 09/01/2025 | 349 | 428 | 278 | 694 | 784 | 645 |
| 10/01/2025 | 373 | 404 | 346 | 718 | 784 | 675 |
| 11/01/2025 | 366 | 418 | 321 | 723 | 795 | 631 |
| 12/01/2025 | 355 | 400 | 315 | 716 | 814 | 628 |
| 13/01/2025 | 404 | 472 | 355 | 678 | 716 | 627 |
| 14/01/2025 | 393 | 449 | 337 | 664 | 733 | 609 |
| 15/01/2025 | 385 | 473 | 323 | 691 | 758 | 648 |
| 16/01/2025 | 407 | 480 | 365 | 710 | 772 | 550 |
| 17/01/2025 | 455 | 548 | 380 | 726 | 783 | 676 |
| 18/01/2025 | 483 | 565 | 414 | 643 | 701 | 591 |
| 19/01/2025 | - | - | - | 729 | 802 | 565 |
| 20/01/2025 | 478 | 594 | 396 | 826 | 928 | 737 |
| 21/01/2025 | 448 | 648 | 360 | 745 | 782 | 664 |
| 22/01/2025 | 370 | 402 | 331 | 767 | 846 | 701 |
| 23/01/2025 | 359 | 383 | 309 | 811 | 866 | 750 |
| 24/01/2025 | 365 | 460 | 323 | 807 | 919 | 741 |
| 25/01/2025 | 453 | 674 | 325 | 721 | 760 | 656 |
| 26/01/2025 | 364 | 451 | 315 | - | - | - |
| 27/01/2025 | 342 | 432 | 284 | - | - | - |
| 28/01/2025 | - | - | - | - | - | - |
| 29/01/2025 | - | - | - | - | - | - |
| 30/01/2025 | - | - | - | - | - | - |
| 31/01/2025 | - | - | - | - | - | - |

## Unit 1 Boiler Emission Test Results

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Chlorine | 6 monthly | 0.05 | $mg/m^3$ | 4 | 10/12/2024 |
| Fluorine | 6 monthly | 8 | $mg/m^3$ | 30 | 10/12/2024 |
| Hydrogen chloride | 6 monthly | 9.6 | $mg/m^3$ | 50 | 10/12/2024 |
| Solid Particles | Quarterly | 8.3 | $mg/m^3$ | 50 | 10/12/2024 |
| 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 | 27/08/2024 |
| Mercury | 6 monthly | <0.0003 | $mg/m^3$ | 0.03 | 27/08/2024 |
| Type 1 and 2 substances in Aggregate | 6 monthly | <0.02 | $mg/m^3$ | 0.60 | 27/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | 6 monthly | 330 | m3/sec | - | 10/12/2024 |
| Moisture | 6 monthly | 5.8 | % | - | 10/12/2024 |
| Oxygen | 6 monthly | 6.9 | % | - | 10/12/2024 |
| Solid Particles | Quarterly | 5.5 | mg/m3 | - | 10/12/2024 |
| Temperature | 6 monthly | 122 | degC | - | 10/12/2024 |
| Carbon dioxide | 6 monthly | 13.4 | % | - | 10/12/2024 |
| 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 | <0.00009 | mg/m3 | - | 27/08/2024 |
| Mercury | 6 monthly | <0.0004 | mg/m3 | - | 27/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.02 | mg/m3 | - | 27/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | | 330 | m3/sec | - | 10/12/2024 |
| Moisture | | 6.5 | % | - | 10/12/2024 |
| Oxygen | | 6.6 | % | - | 10/12/2024 |
| Solid Particles | Quarterly | 11 | mg/m3 | - | 10/12/2024 |
| Temperature | | 120 | degC | - | 10/12/2024 |
| Cadmium | 6 monthly | <0.00008 | mg/m3 | - | 27/08/2024 |
| Mercury | 6 monthly | <0.0003 | mg/m3 | - | 27/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.021 | mg/m3 | - | 27/08/2024 |

## 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 | 5.5 | mg/m$^3$ | 50 | 9/01/2025 |
| 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 | <0.00009 | mg/m$^3$ | 0.03 | 28/08/2024 |
| Mercury | 6 monthly | <0.0006 | mg/m$^3$ | 0.03 | 28/08/2024 |
| Type 1 and 2 substances in Aggregate | 6 monthly | <0.03 | mg/m$^3$ | 0.60 | 28/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | 6 monthly | 340 | m3/sec | - | 9/01/2025 |
| Moisture | 6 monthly | 6.1 | % | - | 9/01/2025 |
| Oxygen | 6 monthly | 10.7 | % | - | 9/01/2025 |
| Solid Particles | Quarterly | 1.4 | mg/m3 | - | 9/01/2025 |
| Temperature | 6 monthly | 108 | degC | - | 9/01/2025 |
| Carbon dioxide | 6 monthly | 9.4 | % | - | 9/01/2025 |
| 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 | - | 28/08/2024 |
| Mercury | 6 monthly | 0.0006 | mg/m3 | - | 28/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.028 | mg/m3 | - | 28/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | | 360 | m3/sec | - | 10/01/2025 |
| Moisture | | 6 | % | - | 10/01/2025 |
| Oxygen | | 6.2 | % | - | 10/01/2025 |
| Solid Particles | Quarterly | 9.3 | mg/m3 | - | 10/01/2025 |
| Temperature | | 120 | degC | - | 10/01/2025 |
| Cadmium | 6 monthly | <0.00007 | mg/m3 | - | 28/08/2024 |
| Mercury | 6 monthly | 0.0005 | mg/m3 | - | 28/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.029 | mg/m3 | - | 28/08/2024 |

| 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 | 23 | $Mg/m^3$ | 50 | 11/12/2024 |
| 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 | <0.00007 | $Mg/m^3$ | 0.03 | 22/8/2024 |
| Mercury | 6 monthly | <0.0003 | $Mg/m^3$ | 0.03 | 22/8/2024 |
| Type 1 and 2 substances in Aggregate | 6 monthly | <0.03 | $Mg/m^3$ | 0.60 | 22/8/2024 |

| *EPA Identification No 11 – Air Emissions monitoring, Boiler 3 Exhaust Duct A* | | | | | |
|---|---|---|---|---|---|
| **Name** | **Frequency** | **Reading** | **Units** | **Licence Limit** | **Date** |
| Flow Rate | 6 monthly | 290 | m3/sec | - | 11/12/2024 |
| Moisture | 6 monthly | 5.6 | % | - | 11/12/2024 |
| Oxygen | 6 Monthly | 7.7 | % | - | 11/12/2024 |
| Solid Particles | Quarterly | 15 | mg/m3 | - | 11/12/2024 |
| Temperature | 6 monthly | 114 | degC | - | 11/12/2024 |
| Carbon dioxide | 6 monthly | 12.6 | % | - | 11/12/2024 |
| Chlorine | 6 monthly | 0.046 | mg/m3 | - | 11/12/2024 |
| Fluorine | 6 monthly | 9.7 | mg/m3 | - | 11/12/2024 |
| Hydrogen chloride | | 15 | mg/m3 | - | 11/12/2024 |
| Sulfuric acid mist and sulfur trioxide (as SO3) | | 1.2 | mg/m3 | - | 11/12/2024 |
| Volatile organic compounds as n-propane equivalent | | <0.08 | mg/m3 | - | 11/12/2024 |
| Cadmium | | <0.00008 | mg/m3 | - | 22/8/2024 |
| Mercury | | <0.0003 | mg/m3 | - | 22/8/2024 |
| Type 1 and Type 2 substances in Aggregate | | <0.033 | mg/m3 | - | 22/8/2024 |

| *EPA Identification No 12 – Air Emissions monitoring, Boiler 3 Exhaust Duct B* | | | | | |
|---|---|---|---|---|---|
| **Name** | **Frequency** | **Reading** | **Units** | **Licence Limit** | **Date** |
| Flow Rate | | 280 | m3/sec | - | 11/12/2024 |
| Moisture | | 6.5 | % | - | 11/12/2024 |
| Oxygen | | 7.1 | % | - | 11/12/2024 |
| Solid Particles | Quarterly | 31 | mg/m3 | - | 11/12/2024 |
| Temperature | | 115 | degC | - | 11/12/2024 |
| Cadmium | 6 monthly | 0.000059 | mg/m3 | - | 22/08/2024 |
| Mercury | 6 monthly | <0.0003 | mg/m3 | - | 22/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.031 | mg/m3 | - | 22/08/2024 |

## 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 | 13 | mg/m$^3$ | 50 | 12/12/2024 |
| 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 | <0.00008 | mg/m$^3$ | 0.03 | 29/08/2024 |
| Mercury | 6 monthly | <0.0005 | mg/m$^3$ | 0.03 | 29/08/2024 |
| Type 1 and 2 substances in Aggregate | 6 monthly | <0.02 | mg/m$^3$ | 0.60 | 29/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | 6 monthly | 200 | m3/sec | - | 12-13/12/2024 |
| Moisture | 6 monthly | 6.0 | % | - | 12-13/12/2024 |
| Oxygen | 6 monthly | 10.8 | % | - | 12-13/12/2024 |
| Solid Particles | Quarterly | 16 | mg/m3 | - | 12-13/12/2024 |
| Temperature | 6 monthly | 104 | degC | - | 12-13/12/2024 |
| Carbon dioxide | 6 monthly | 9.4 | % | - | 12-13/12/2024 |
| 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 | <0.00008 | mg/m3 | - | 29/08/2024 |
| Mercury | 6 monthly | <0.0006 | mg/m3 | - | 29/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.022 | mg/m3 | - | 29/08/2024 |

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

| Name | Frequency | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|---|
| Flow Rate | | 210 | m3/sec | - | 12/12/2024 |
| Moisture | | 5.6 | % | - | 12/12/2024 |
| Oxygen | | 11.4 | % | - | 12/12/2024 |
| Solid Particles | Quarterly | 11 | mg/m3 | - | 12/12/2024 |
| Temperature | | 101 | degC | - | 12/12/2024 |
| Cadmium | 6 monthly | <0.00007 | mg/m3 | - | 29/08/2024 |
| Mercury | 6 monthly | <0.0004 | mg/m3 | - | 29/08/2024 |
| Type 1 and Type 2 substances in Aggregate | 6 monthly | <0.026 | mg/m3 | - | 29/08/2024 |

## Eraring Depositional Dust Gauges

*EPA Identification no.17, 18, 19 & 20 - Depositional dust monitoring within 1km of the coal handling operations*

| Eraring Identification | EPA Identification No | Deposited Matter (g/m2/month) | | |
|---|---|---|---|---|
| | | Ash | Combustible | Insoluble |
| ER2 | 17 | 0.5 | 0.3 | 0.8 |
| ER4 | 18 | 1.0 | 0.8 | 1.8 |
| ER6 | 19 | 0.6 | 0.8 | 1.4 |
| U6 | 20 | 0.7 | 0.7 | 1.4 |

## 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 |
| 25.31 | 0.5 | 27.63 | 8.38 | 34.67 | 93 | 6.02 | 2.25 |

| | Laboratory Analysis | | | |
|---|---|---|---|---|
| Name | Reading | Units | Licence Limit | Date |
| Aluminium | 0.052 | mg/L | - | 13/01/25 |
| Ammonia | <0.010 | mg/L | - | 13/01/25 |
| Arsenic III | <0.004 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.0002 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 13/01/25 |
| Copper | 0.001 | mg/L | - | 13/01/25 |
| Iron | 0.09 | mg/L | - | 13/01/25 |
| Lead | <0.0002 | mg/L | - | 13/01/25 |
| Manganese | 0.0053 | mg/L | - | 13/01/25 |
| Nickel | 0.0006 | mg/L | - | 13/01/25 |
| pH | 8.05 | pH units | - | 13/01/25 |
| Selenium | <0.002 | mg/L | - | 13/01/25 |
| Total Suspended Solids | <5 | mg/L | - | 13/01/25 |
| Vanadium | 0.0024 | mg/L | - | 13/01/25 |
| Zinc | 0.011 | mg/L | - | 13/01/25 |

## 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 |
| 24.88 | 0.5 | 26.87 | 8.39 | 34.88 | 95.8 | 6.3 | 3.25 |

| Laboratory Analysis | | | | |
|---|---|---|---|---|
| **Name** | **Reading** | **Units** | **Licence Limits** | **Date** |
| Aluminium | 0.021 | mg/L | - | 13/01/25 |
| Ammonia | <0.010 | mg/L | - | 13/01/25 |
| Arsenic III | <0.004 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.0002 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 13/01/25 |
| Copper | <0.001 | mg/L | - | 13/01/25 |
| Iron | 0.017 | mg/L | - | 13/01/25 |
| Lead | 0.0004 | mg/L | - | 13/01/25 |
| Manganese | 0.0055 | mg/L | - | 13/01/25 |
| Nickel | 0.0009 | mg/L | - | 13/01/25 |
| pH | 8.05 | pH units | - | 13/01/25 |
| Selenium | <0.002 | mg/L | - | 13/01/25 |
| Total Suspended Solids | <5 | mg/L | - | 13/01/25 |
| Vanadium | 0.0020 | mg/L | - | 13/01/25 |
| Zinc | <0.005 | mg/L | - | 13/01/25 |

## 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 |
| 24.27 | 0.5 | 25.09 | 8.32 | 34.81 | 146.2 | 9.88 | 2.75 |

**Laboratory Analysis**

| Name | Reading | Units | Licence Limits | Date |
|---|---|---|---|---|
| Aluminium | 0.019 | mg/L | - | 13/01/25 |
| Ammonia | <0.010 | mg/L | - | 13/01/25 |
| Arsenic III | <0.004 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.0002 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 13/01/25 |
| Copper | 0.001 | mg/L | - | 13/01/25 |
| Iron | 0.016 | mg/L | - | 13/01/25 |
| Lead | <0.0002 | mg/L | - | 13/01/25 |
| Manganese | 0.0045 | mg/L | - | 13/01/25 |
| Nickel | <0.0005 | mg/L | - | 13/01/25 |
| pH | 8.11 | pH units | - | 13/01/25 |
| Selenium | <0.002 | mg/L | - | 13/01/25 |
| Total Suspended Solids | <5 | mg/L | - | 13/01/25 |
| Vanadium | 0.0019 | mg/L | - | 13/01/25 |
| Zinc | 0.006 | mg/L | - | 13/01/25 |

## 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 |
| 24.14 | 0.5 | 29.47 | 8.31 | 34.95 | 130.3 | 8.21 | 2.75 |

**Laboratory Analysis**

| Name | Reading | Units | Licence Limits | Date |
|---|---|---|---|---|
| Aluminium | 0.031 | mg/L | - | 13/01/25 |
| Ammonia | <0.010 | mg/L | - | 13/01/25 |
| Arsenic III | <0.004 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.0002 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.001 | mg/L | - | 13/01/25 |
| Copper | 0.002 | mg/L | - | 13/01/25 |
| Iron | 0.081 | mg/L | - | 13/01/25 |
| Lead | 0.0004 | mg/L | - | 13/01/25 |
| Manganese | 0.0066 | mg/L | - | 13/01/25 |
| Nickel | 0.0055 | mg/L | - | 13/01/25 |
| pH | 8.04 | pH units | - | 13/01/25 |
| Selenium | <0.002 | mg/L | - | 13/01/25 |
| Total Suspended Solids | <5 | mg/L | - | 13/01/25 |
| Vanadium | 0.0022 | mg/L | - | 13/01/25 |
| Zinc | <0.005 | mg/L | - | 13/01/25 |

## 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 | 0.114 | mg/L | - | 13/01/25 |
| Ammonia | 0.79 | mg/L | - | 13/01/25 |
| Arsenic III | <0.0005 | mg/L | - | 13/01/25 |
| Arsenic V | 0.0182 | mg/L | - | 13/01/25 |
| Cadmium | 0.00005 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 13/01/25 |
| Copper | 0.0026 | mg/L | - | 13/01/25 |
| Iron | 0.03 | mg/L | - | 13/01/25 |
| Lead | <0.0001 | mg/L | - | 13/01/25 |
| Manganese | 0.04 | mg/L | - | 13/01/25 |
| Nickel | 0.0035 | mg/L | - | 13/01/25 |
| Nitrite and Nitrate as N | 3.32 | mg/L | - | 13/01/25 |
| Nitrogen | 4.3 | mg/L | - | 13/01/25 |
| pH | 8.14 | pH units | - | 13/01/25 |
| Phosphorus as P | 0.94 | mg/L | - | 13/01/25 |
| Reactive Phosphorus as P | 0.87 | mg/L | - | 13/01/25 |
| Selenium | 0.0545 | mg/L | - | 13/01/25 |
| Total Kjeldahl Nitrogen | 1 | mg/L | - | 13/01/25 |
| Total Suspended Solids | 9 | mg/L | - | 13/01/25 |
| Vanadium | 0.112 | mg/L | - | 13/01/25 |
| Zinc | 0.007 | mg/L | - | 13/01/25 |

## 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 | 0.061 | mg/L | - | 13/01/25 |
| Ammonia | 0.006 | mg/L | - | 13/01/25 |
| Arsenic III | <0.004 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.0002 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 13/01/25 |
| Copper | 0.001 | mg/L | - | 13/01/25 |
| Iron | 0.111 | mg/L | - | 13/01/25 |
| Lead | <0.0002 | mg/L | - | 13/01/25 |
| Manganese | 0.0062 | mg/L | - | 13/01/25 |
| Nickel | 0.0006 | mg/L | - | 13/01/25 |
| pH | 8.11 | pH units | - | 13/01/25 |
| Selenium | <0.001 | mg/L | - | 13/01/25 |
| Total Suspended Solids | 26 | mg/L | - | 13/01/25 |
| Vanadium | 0.0026 | mg/L | - | 13/01/25 |
| Zinc | <0.005 | mg/L | - | 13/01/25 |
| Dissolved Oxygen | 6.33 | mg/L | - | 13/01/25 |
| Field Temperature | 28.5 | degC | - | 13/01/25 |
| Salinity | 35.94 | ppt | - | 13/01/25 |
| Secchi Disk | 2.75 | m | - | 13/01/25 |
| Temperature – Average | 24.46 | deg C | - | January 25 |
| Temperature – Minimum | 20.55 | deg C | - | January 25 |
| Temperature - Maximum | 29.46 | deg C | - | January 25 |

## Eraring Cooling Water Outlet Canal

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

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Copper | 0.001 | mg/L | 0.005 | 13/01/25 |
| Iron | 0.05 | mg/L | 0.3 | 13/01/25 |
| Selenium | <0.001 | mg/L | 0.002 | 13/01/25 |

## 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 | 30.57 | deg C | 35.5 | 37.5 | 38.5 | January 25 |
| Temperature – Minimum | 24.21 | deg C | | | | January 25 |
| Temperature - Maximum | 36.27 | deg C | | | | January 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 | 7.13 | ML | 150 | January 25 |
| Monthly Discharge from Ash Dam | 31.23 | ML | - | January 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 | 0.068 | mg/L | - | 13/01/25 |
| Ammonia | 2.36 | mg/L | - | 13/01/25 |
| Arsenic III | 0.0041 | mg/L | - | 13/01/25 |
| Arsenic V | <0.004 | mg/L | - | 13/01/25 |
| Cadmium | <0.00005 | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | <0.001 | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | <0.01 | mg/L | - | 13/01/25 |
| Copper | <0.0005 | mg/L | - | 13/01/25 |
| Iron | 4.81 | mg/L | - | 13/01/25 |
| Lead | <0.0001 | mg/L | - | 13/01/25 |
| Manganese | 0.742 | mg/L | - | 13/01/25 |
| Nickel | 0.0026 | mg/L | - | 13/01/25 |
| Nitrite and Nitrate as N | 0.012 | mg/L | - | 13/01/25 |
| Nitrogen | 3.25 | mg/L | - | 13/01/25 |
| pH | 6.89 | pH units | 6-9.5 | 13/01/25 |
| Phosphorus as P | 0.474 | mg/L | - | 13/01/25 |
| Reactive Phosphorus as P | 0.148 | mg/L | - | 13/01/25 |
| Selenium | 0.0005 | mg/L | - | 13/01/25 |
| Total Kjeldahl Nitrogen | 3.24 | mg/L | - | 13/01/25 |
| Total Suspended Solids | 19 | mg/L | 50 | 13/01/25 |
| Vanadium | 0.0006 | mg/L | - | 13/01/25 |
| Zinc | 0.002 | mg/L | - | 13/01/25 |

**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 | - | 13/01/25 |
| Ammonia | | mg/L | - | 13/01/25 |
| Arsenic III | | mg/L | - | 13/01/25 |
| Arsenic V | | mg/L | - | 13/01/25 |
| Cadmium | | mg/L | - | 13/01/25 |
| Chromium (Trivalent) | | mg/L | - | 13/01/25 |
| Chromium (VI) Compounds | | mg/L | - | 13/01/25 |
| Copper | | mg/L | - | 13/01/25 |
| Iron | | mg/L | - | 13/01/25 |
| Lead | | mg/L | - | 13/01/25 |
| Manganese | | mg/L | - | 13/01/25 |
| Nickel | | mg/L | - | 13/01/25 |
| Nitrite and Nitrate as N | | mg/L | - | 13/01/25 |
| Nitrogen | | mg/L | - | 13/01/25 |
| pH | | pH units | 6-9.5 | 13/01/25 |
| Phosphorus as P | | mg/L | - | 13/01/25 |
| Reactive Phosphorus as P | | mg/L | - | 13/01/25 |
| Selenium | | mg/L | - | 13/01/25 |
| Total Kjeldahl Nitrogen | | mg/L | - | 13/01/25 |
| Total Suspended Solids | | mg/L | 50 | 13/01/25 |
| Vanadium | | mg/L | - | 13/01/25 |
| Zinc | | mg/L | - | 13/01/25 |

**Groundwater Monitoring**
**Groundwater Well – MW01**

*EPA Identification no. 32 – Groundwater Monitoring Well 01*

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Aluminium | 0.088 | mg/L | - | 02/12/24 |
| Ammonia | 0.03 | mg/L | - | 02/12/24 |
| Arsenic (III) | <0.0005 | mg/L | - | 02/12/24 |
| Arsenic (V) | <0.0005 | mg/L | - | 02/12/24 |
| Cadmium | <0.00005 | mg/L | - | 02/12/24 |
| Calcium | 2 | mg/L | - | 02/12/24 |
| Chromium (trivalent) | <0.01 | mg/L | - | 02/12/24 |
| Chromium (VI) compounds | <0.01 | mg/L | - | 02/12/24 |
| Copper | 0.0006 | mg/L | - | 02/12/24 |
| Electrical Conductivity | 418 | uS/cm | - | 02/12/24 |
| Iron | 0.612 | mg/L | - | 02/12/24 |
| Lead | 0.0006 | mg/L | - | 02/12/24 |
| Magnesium | 5 | mg/L | - | 02/12/24 |
| Manganese | 0.143 | mg/L | - | 02/12/24 |
| Nickel | 0.0046 | mg/L | - | 02/12/24 |
| pH | 4.99 | pH units | - | 02/12/24 |
| Potassium | 4 | mg/L | - | 02/12/24 |
| Selenium | <0.0002 | mg/L | - | 02/12/24 |
| Sodium | 68 | mg/L | - | 02/12/24 |
| Standing Water Level | 7.11 | m | - | 02/12/24 |
| Vanadium | <0.0002 | mg/L | - | 02/12/24 |
| Zinc | 0.031 | mg/L | - | 02/12/24 |

**Groundwater Monitoring**
**Groundwater Well – MW02**

*EPA Identification no. 33 – Groundwater Monitoring Well 02*

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Aluminium | 0.201 | mg/L | - | 03/12/24 |
| Ammonia | 5.48 | mg/L | - | 03/12/24 |
| Arsenic (III) | 0.0012 | mg/L | - | 03/12/24 |
| Arsenic (V) | <0.0005 | mg/L | - | 03/12/24 |
| Cadmium | <0.00005 | mg/L | - | 03/12/24 |
| Calcium | 0.319 | mg/L | - | 03/12/24 |
| Chromium (trivalent) | <0.01 | mg/L | - | 03/12/24 |
| Chromium (VI) compounds | <0.01 | mg/L | - | 03/12/24 |
| Copper | 0.0049 | mg/L | - | 03/12/24 |
| Electrical Conductivity | 21400 | uS/cm | - | 03/12/24 |
| Iron | 10.1 | mg/L | - | 03/12/24 |
| Lead | 0.0005 | mg/L | - | 03/12/24 |
| Magnesium | 336 | mg/L | - | 03/12/24 |
| Manganese | 0.804 | mg/L | - | 03/12/24 |
| Nickel | 0.0081 | mg/L | - | 03/12/24 |
| pH | 6.49 | pH units | - | 03/12/24 |
| Potassium | 146 | mg/L | - | 03/12/24 |
| Selenium | 0.001 | mg/L | - | 03/12/24 |
| Sodium | 3750 | mg/L | - | 03/12/24 |
| Standing Water Level | 5.12 | m | - | 03/12/24 |
| Vanadium | 0.0017 | mg/L | - | 03/12/24 |
| Zinc | 0.161 | mg/L | - | 03/12/24 |

**Groundwater Monitoring**
**Groundwater Well – MW06**

*EPA Identification no. 34 – Groundwater Monitoring Well 06*

| Name | Reading | Units | Licence Limit | Date |
|---|---|---|---|---|
| Aluminium | 0.020 | mg/L | - | 02/12/24 |
| Ammonia | 3.10 | mg/L | - | 02/12/24 |
| Arsenic (III) | 0.003 | mg/L | - | 02/12/24 |
| Arsenic (V) | <0.0005 | mg/L | - | 02/12/24 |
| Cadmium | <0.00005 | mg/L | - | 02/12/24 |
| Calcium | 404 | mg/L | - | 02/12/24 |
| Chromium (trivalent) | <0.01 | mg/L | - | 02/12/24 |
| Chromium (VI) compounds | <0.01 | mg/L | - | 02/12/24 |
| Copper | 0.0008 | mg/L | - | 02/12/24 |
| Electrical Conductivity | 19900 | uS/cm | - | 02/12/24 |
| Iron | 11.6 | mg/L | - | 02/12/24 |
| Lead | 0.0003 | mg/L | - | 02/12/24 |
| Magnesium | 244 | mg/L | - | 02/12/24 |
| Manganese | 0.373 | mg/L | - | 02/12/24 |
| Nickel | 0.0013 | mg/L | - | 02/12/24 |
| pH | 6.44 | pH units | - | 02/12/24 |
| Potassium | 113 | mg/L | - | 02/12/24 |
| Selenium | 0.0007 | mg/L | - | 02/12/24 |
| Sodium | 3270 | mg/L | - | 02/12/24 |
| Standing Water Level | 1.97 | m | - | 02/12/24 |
| Vanadium | 0.001 | mg/L | - | 02/12/24 |
| Zinc | 0.079 | mg/L | - | 02/12/24 |

**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 | - | |