

## Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	<a href="http://www.epa.nsw.gov.au/prpoeoapp/">http://www.epa.nsw.gov.au/prpoeoapp/</a>
LICENCE HOLDER	DELTA POWER & ENERGY (VALES POINT) PTY LTD	
REPORTING PERIOD	December 2025	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



### Compliance Summary

Were all licence monitoring limits met this month?

Yes

Details of any licence monitoring limit not complied with this month if applicable:

EPL Point	Air/Water/Noise/Other	Pollutant	Value Measured	Licence Limit	Date	Comments

### Monitoring Locations

The location of Environment Protection Licence monitoring points within the Vales Point Power Station premises can be found at <https://www.deltapae.com.au/operations/vales-point-power-station/environmental-licences-and-monitoring> . Click the heading "Vales Point Licence Point Locations" to open the pdf document.

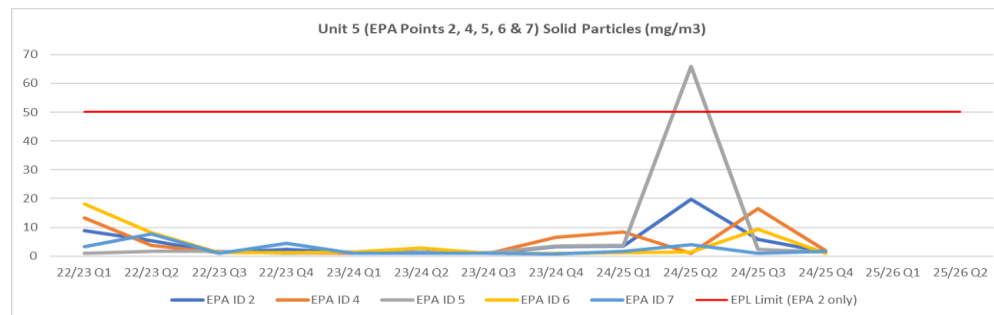
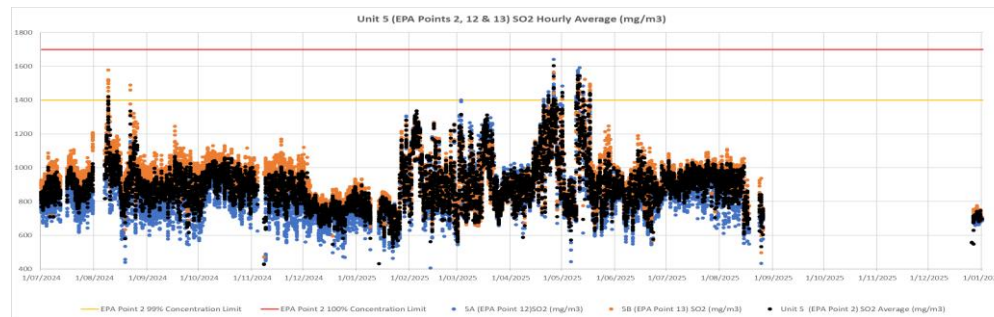
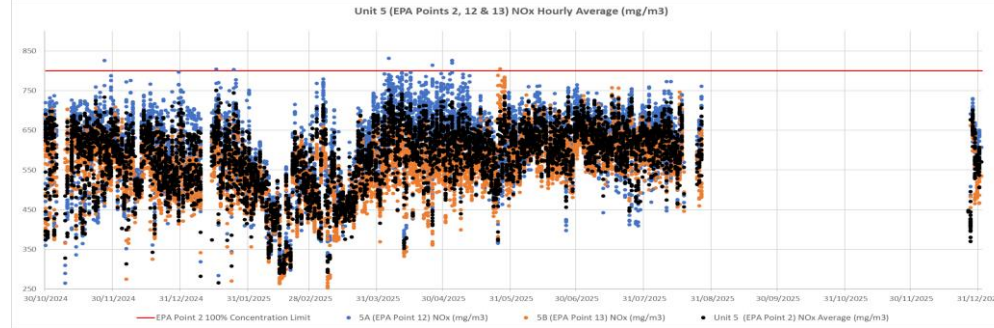
### Comments

Unit 5 returned to service on 25 December 2025.

Exceedances of the Air NEPM standard for PM2.5 at Wyee and Mannering Park (graph on final page of report) were associated with smoke drift from bushfires at Koolewong, the Hunter, and Buladelah. Air quality was affected along a significant stretch of the coast between Sydney and Newcastle.

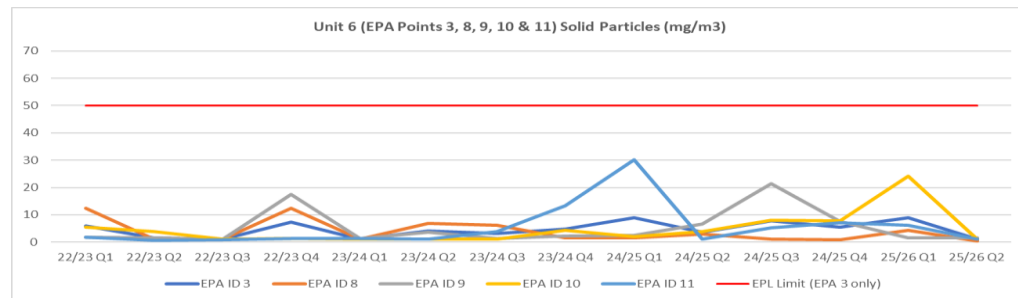
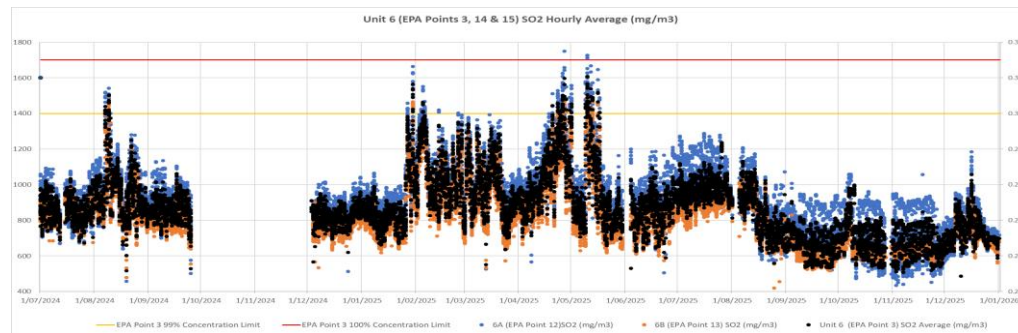
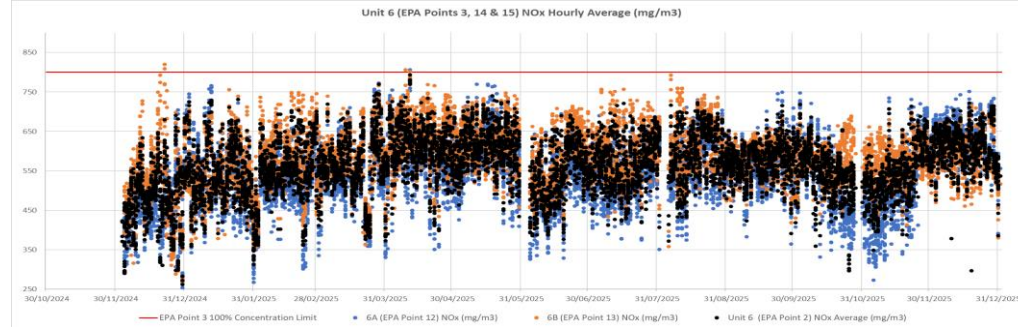
POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months							0.03	No	
Dec-25	Chlorine	(mg/m3)	Every 6 months							4	No	
Dec-25	Fluorine	(mg/m3)	Every 6 months							30	No	
Dec-25	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Dec-25	Mercury	(mg/m3)	Every 6 months							0.03	No	
Dec-25	Nitrogen Oxides	(mg/m3)	Continuous	72.7%	Dec-25	465	578	702		800	No	Unit 5 returned to service on 25 December 2025.
Dec-25	Solid Particles	(mg/m3)	Quarterly							50	No	
Dec-25	Sulfur dioxide	(mg/m3)	Continuous	72.7%	Dec-25	680	757	886	1400	1700	No	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.6	No	
Dec-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							8	No	

The 100% Concentration limits in the below graphs apply to EPA Point 2 only. EPA Point 2 is the combined emissions from EPA Points 12 & 13 for NOx and SO2 and EPA Points 4, 5, 6 & 7 for Particulates.



POINT 3 Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
Dec-25	Cadmium	(mg/m <sup>3</sup> )	Every 6 months							0.03	No	
Dec-25	Chlorine	(mg/m <sup>3</sup> )	Every 6 months							4	No	
Dec-25	Fluorine	(mg/m <sup>3</sup> )	Every 6 months							30	No	
Dec-25	Hydrogen chloride	(mg/m <sup>3</sup> )	Every 6 months							50	No	
Dec-25	Mercury	(mg/m <sup>3</sup> )	Every 6 months							0.03	No	
Dec-25	Nitrogen Oxides	(mg/m <sup>3</sup> )	Continuous	97.8%	Dec-25	385	607	722		800	No	
Dec-25	Solid Particles	(mg/m <sup>3</sup> )	Quarterly	1	Nov-25	<1.06	<1.06	<1.06		50	No	
Dec-25	Sulfur dioxide	(mg/m <sup>3</sup> )	Continuous	97.8%	Dec-25	586	742	1056	1400	1700	No	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO <sub>3</sub> )	(mg/m <sup>3</sup> )	Every 6 months							100	No	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m <sup>3</sup> )	Every 6 months							0.6	No	
Dec-25	VOC's as n-propane equivalent	(mg/m <sup>3</sup> )	Every 6 months							8	No	

The 100% Concentration limits in the below graphs apply to EPA Point 3 only. EPA Point 3 is the combined Emissions from EPA Points 14 & 15 for NOx and SO2 and EPA Points 8, 9, 10 & 11 for Particulates.



POINT 4 Boiler number 5 exhaust - duct A marked and shown as EPA ID 4 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT 5 Boiler number 5 exhaust - duct B marked and shown as EPA ID 5 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

POINT 6 Boiler number 5 exhaust - duct C marked and shown as EPA ID 6 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT 7 Boiler number 5 exhaust - duct D marked and shown as EPA ID 7 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

POINT 8 Boiler number 6 exhaust - duct A marked and shown as EPA ID 8 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly	1	Nov 2025	<0.52	<0.52	<0.52			N/A	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT 9 Boiler number 6 exhaust - duct B marked and shown as EPA ID 9 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly	1	Nov 2025	<1.48	<1.48	<1.48			N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

POINT 10 Boiler number 6 exhaust - duct C marked and shown as EPA ID 10 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly	1	Nov 2025	<1.2	<1.2	<1.2			N/A	
Dec-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
POINT 11 Boiler number 6 exhaust - duct D marked and shown as EPA ID 11 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-25	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-25	Solid Particles	(mg/m3)	Quarterly	1	Nov 2025	<1.2	<1.2	<1.2			N/A	
Dec-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
POINT 12 Boiler number 5 combined exhaust - duct A and B (points 4 and 5) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Nitrogen Oxides	(mg/m3)	Continuous	80.3%	Dec-25	370	593	730			N/A	Unit 5 returned to service on 25 December 2025.
Dec-25	Sulfur dioxide	(mg/m3)	Continuous	80.3%	Dec-25	549	712	841			N/A	
POINT 13 Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shown as EPA ID 13 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Nitrogen Oxides	(mg/m3)	Continuous	65.1%	Dec-25	455	564	679			N/A	Unit 5 returned to service on 25 December 2025.
Dec-25	Sulfur dioxide	(mg/m3)	Continuous	65.1%	Dec-25	698	801	930			N/A	
POINT 14 Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shown as EPA ID 14 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Nitrogen Oxides	(mg/m3)	Continuous	97.4%	Dec-25	391	623	751			N/A	
Dec-25	Sulfur dioxide	(mg/m3)	Continuous	97.4%	Dec-25	573	771	1184			N/A	
POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Nitrogen Oxides	(mg/m3)	Continuous	98.3%	Dec-25	378	590	715			N/A	
Dec-25	Sulfur dioxide	(mg/m3)	Continuous	98.3%	Dec-25	487	712	930			N/A	

POINT 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	98.5 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
Dec-25	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	9/12/2025	0	0	0		0.2	No	
Dec-25	Copper	(mg/L)	Monthly during discharge	1	9/12/2025	0.003	0.003	0.003		0.005	No	
Dec-25	Iron	(mg/L)	Monthly during discharge	1	9/12/2025	0.08	0.08	0.08		0.3	No	
Dec-25	Oil and Grease	Visible	Continuous during discharge	100%	Dec-25	NIL	NIL	NIL				
Dec-25	Selenium	(mg/L)	Monthly during discharge	1	9/12/2025	0.002	0.002	0.002		0.005	No	
Dec-25	Temperature	(°C)	Continuous during discharge	100%	Dec-25	27.1	30.1	32.0	35	37.5	No	

POINT 23 Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 23 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Monthly during discharge	1	9/12/2025	0.65	0.65	0.65				
Dec-25	Ammonia	(mg/L)	Monthly during discharge	1	9/12/2025	0.030	0.030	0.030				
Dec-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/12/2025	<0.001	<0.001	<0.001				
Dec-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/12/2025	0.013	0.013	0.013				
Dec-25	Cadmium	(mg/L)	Monthly during discharge	1	9/12/2025	0.0001	0.0001	0.0001				
Dec-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/12/2025	0.008	0.008	0.008				
Dec-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/12/2025	0.01	0.01	0.01				
Dec-25	Copper	(mg/L)	Monthly during discharge	1	9/12/2025	0.001	0.001	0.001				
Dec-25	Iron	(mg/L)	Monthly during discharge	1	9/12/2025	2.50	2.50	2.50				
Dec-25	Lead	(mg/L)	Monthly during discharge	1	9/12/2025	0.001	0.001	0.001				
Dec-25	Manganese	(mg/L)	Monthly during discharge	1	9/12/2025	0.140	0.140	0.140				
Dec-25	Nickel	(mg/L)	Monthly during discharge	1	9/12/2025	0.003	0.003	0.003				
Dec-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/12/2025	0.06	0.06	0.06				
Dec-25	Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2025	0.9	0.9	0.9				
Dec-25	pH	pH	Monthly during discharge	1	9/12/2025	8.87	8.87	8.87		6.5 - 9.5	No	
Dec-25	Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2025	0.20	0.20	0.20				
Dec-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2025	0.06	0.06	0.06				
Dec-25	Selenium	(mg/L)	Monthly during discharge	1	9/12/2025	0.032	0.032	0.032				
Dec-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2025	0.9	0.9	0.9				
Dec-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/12/2025	50	50	50		50	No	
Dec-25	Vanadium	(mg/L)	Monthly during discharge	1	9/12/2025	0.096	0.096	0.096				
Dec-25	Zinc	(mg/L)	Monthly during discharge	1	9/12/2025	0.013	0.013	0.013				

POINT 24 Discharge of seepage water from the ash dam rehabilitation area to Mannering Bay marked and shown as EPA ID 24 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Monthly during discharge	1	9/12/2025	0.11	0.11	0.11	Yes			
Dec-25	Ammonia	(mg/L)	Monthly during discharge	1	9/12/2025	1.20	1.20	1.20	Yes			
Dec-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/12/2025	<0.001	<0.001	<0.001	Yes			
Dec-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/12/2025	0.001	0.001	0.001	Yes			
Dec-25	Cadmium	(mg/L)	Monthly during discharge	1	9/12/2025	<0.001	<0.001	<0.001	Yes			
Dec-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/12/2025	<0.005	<0.005	<0.005	Yes			
Dec-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/12/2025	<0.005	<0.005	<0.005	Yes			
Dec-25	Copper	(mg/L)	Monthly during discharge	1	9/12/2025	<0.001	<0.001	<0.001	Yes			
Dec-25	Iron	(mg/L)	Monthly during discharge	1	9/12/2025	0.06	0.06	0.06	Yes			
Dec-25	Lead	(mg/L)	Monthly during discharge	1	9/12/2025	<0.001	<0.001	<0.001	Yes			
Dec-25	Manganese	(mg/L)	Monthly during discharge	1	9/12/2025	0.065	0.065	0.065	Yes			
Dec-25	Nickel	(mg/L)	Monthly during discharge	1	9/12/2025	0.0090	0.0090	0.0090	Yes			
Dec-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/12/2025	0.37	0.37	0.37	Yes			
Dec-25	Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2025	1.90	1.90	1.90	Yes			
Dec-25	pH	pH	Monthly during discharge	1	9/12/2025	8.13	8.13	8.13	Yes	6.5 - 9.5	No	
Dec-25	Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2025	<0.1	<0.1	<0.1	Yes			
Dec-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2025	<0.005	<0.005	<0.005	Yes			
Dec-25	Selenium	(mg/L)	Monthly during discharge	1	9/12/2025	0.001	0.001	0.001	Yes			
Dec-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2025	1.50	1.50	1.50	Yes			
Dec-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/12/2025	<5	<5	<5	Yes	50	No	
Dec-25	Vanadium	(mg/L)	Monthly during discharge	1	9/12/2025	0.01	0.01	0.01	Yes			
Dec-25	Zinc	(mg/L)	Monthly during discharge	1	9/12/2025	0.006	0.006	0.006	Yes			
POINT 25 Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9	No	
Dec-25	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Dec-25	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-25	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			



POINT 30 Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Quarterly									
Dec-25	Ammonia	(mg/L)	Quarterly									
Dec-25	Arsenic (III)	(mg/L)	Quarterly									
Dec-25	Arsenic (V)	(mg/L)	Quarterly									
Dec-25	Cadmium	(mg/L)	Quarterly									
Dec-25	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-25	Copper	(mg/L)	Quarterly									
Dec-25	Electrical Conductivity	(us/cm)	Quarterly									
Dec-25	Iron	(mg/L)	Quarterly									
Dec-25	Lead	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for January 2026
Dec-25	Magnesium	(mg/L)	Quarterly									
Dec-25	Manganese	(mg/L)	Quarterly									
Dec-25	Nickel	(mg/L)	Quarterly									
Dec-25	pH	pH	Quarterly									
Dec-25	Potassium	(mg/L)	Quarterly									
Dec-25	Selenium	(mg/L)	Quarterly									
Dec-25	Sodium	(mg/L)	Quarterly									
Dec-25	Standing Water Level	(m)	Quarterly									
Dec-25	Vanadium	(mg/L)	Quarterly									
Dec-25	Zinc	(mg/L)	Quarterly									

POINT 31 Groundwater quality monitoring bore marked and shown as EPA ID 31 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Quarterly									
Dec-25	Ammonia	(mg/L)	Quarterly									
Dec-25	Arsenic (III)	(mg/L)	Quarterly									
Dec-25	Arsenic (V)	(mg/L)	Quarterly									
Dec-25	Cadmium	(mg/L)	Quarterly									
Dec-25	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-25	Copper	(mg/L)	Quarterly									
Dec-25	Electrical Conductivity	(us/cm)	Quarterly									
Dec-25	Iron	(mg/L)	Quarterly									
Dec-25	Lead	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for January 2026
Dec-25	Magnesium	(mg/L)	Quarterly									
Dec-25	Manganese	(mg/L)	Quarterly									
Dec-25	Nickel	(mg/L)	Quarterly									
Dec-25	pH	pH	Quarterly									
Dec-25	Potassium	(mg/L)	Quarterly									
Dec-25	Selenium	(mg/L)	Quarterly									
Dec-25	Sodium	(mg/L)	Quarterly									
Dec-25	Standing Water Level	(m)	Quarterly									
Dec-25	Vanadium	(mg/L)	Quarterly									
Dec-25	Zinc	(mg/L)	Quarterly									

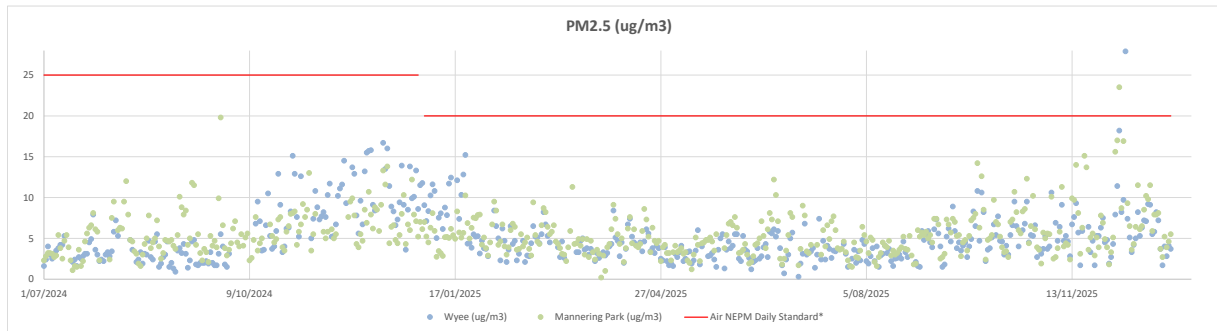
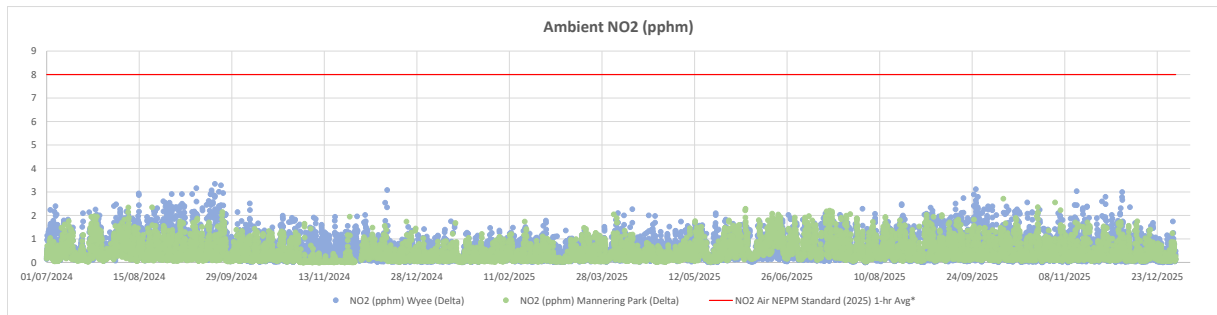
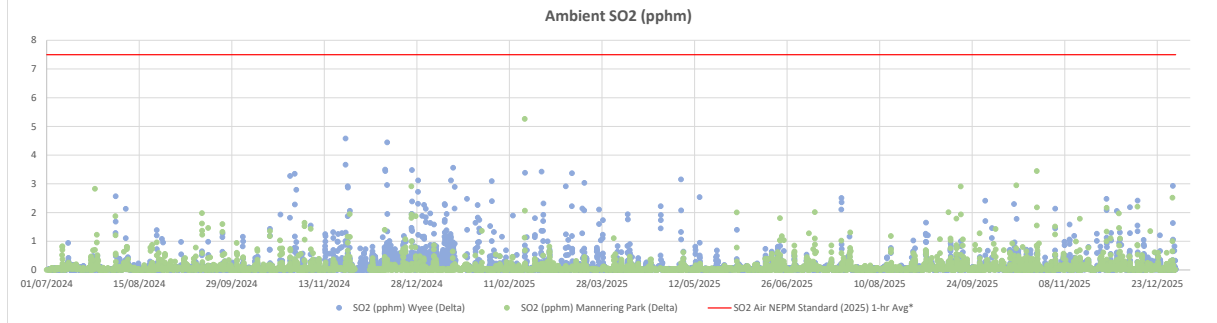
POINT 32 Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Quarterly									
Dec-25	Ammonia	(mg/L)	Quarterly									
Dec-25	Arsenic (III)	(mg/L)	Quarterly									
Dec-25	Arsenic (V)	(mg/L)	Quarterly									
Dec-25	Cadmium	(mg/L)	Quarterly									
Dec-25	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-25	Copper	(mg/L)	Quarterly									
Dec-25	Electrical Conductivity	(us/cm)	Quarterly									
Dec-25	Iron	(mg/L)	Quarterly									
Dec-25	Lead	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for January 2026
Dec-25	Magnesium	(mg/L)	Quarterly									
Dec-25	Manganese	(mg/L)	Quarterly									
Dec-25	Nickel	(mg/L)	Quarterly									
Dec-25	pH	pH	Quarterly									
Dec-25	Potassium	(mg/L)	Quarterly									
Dec-25	Selenium	(mg/L)	Quarterly									
Dec-25	Sodium	(mg/L)	Quarterly									
Dec-25	Standing Water Level	(m)	Quarterly									
Dec-25	Vanadium	(mg/L)	Quarterly									
Dec-25	Zinc	(mg/L)	Quarterly									

POINT 33 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Quarterly									
Dec-25	Ammonia	(mg/L)	Quarterly									
Dec-25	Arsenic (III)	(mg/L)	Quarterly									
Dec-25	Arsenic (V)	(mg/L)	Quarterly									
Dec-25	Cadmium	(mg/L)	Quarterly									
Dec-25	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-25	Copper	(mg/L)	Quarterly									
Dec-25	Electrical Conductivity	(us/cm)	Quarterly									
Dec-25	Iron	(mg/L)	Quarterly									
Dec-25	Lead	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for January 2026
Dec-25	Magnesium	(mg/L)	Quarterly									
Dec-25	Manganese	(mg/L)	Quarterly									
Dec-25	Nickel	(mg/L)	Quarterly									
Dec-25	pH	pH	Quarterly									
Dec-25	Potassium	(mg/L)	Quarterly									
Dec-25	Selenium	(mg/L)	Quarterly									
Dec-25	Sodium	(mg/L)	Quarterly									
Dec-25	Standing Water Level	(m)	Quarterly									
Dec-25	Vanadium	(mg/L)	Quarterly									
Dec-25	Zinc	(mg/L)	Quarterly									

POINT 34 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
Month	Pollutant	Unit of Measure	Sample/M Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-25	Aluminium	(mg/L)	Quarterly									
Dec-25	Ammonia	(mg/L)	Quarterly									
Dec-25	Arsenic (III)	(mg/L)	Quarterly									
Dec-25	Arsenic (V)	(mg/L)	Quarterly									
Dec-25	Cadmium	(mg/L)	Quarterly									
Dec-25	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-25	Copper	(mg/L)	Quarterly									
Dec-25	Electrical Conductivity	(us/cm)	Quarterly									
Dec-25	Iron	(mg/L)	Quarterly									
Dec-25	Lead	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for January 2026
Dec-25	Magnesium	(mg/L)	Quarterly									
Dec-25	Manganese	(mg/L)	Quarterly									
Dec-25	Nickel	(mg/L)	Quarterly									
Dec-25	pH	pH	Quarterly									
Dec-25	Potassium	(mg/L)	Quarterly									
Dec-25	Selenium	(mg/L)	Quarterly									
Dec-25	Sodium	(mg/L)	Quarterly									
Dec-25	Standing Water Level	(m)	Quarterly									
Dec-25	Vanadium	(mg/L)	Quarterly									
Dec-25	Zinc	(mg/L)	Quarterly									

## Ambient Air Quality Graphs

POINTS 16 & 35 Meteorological and ambient air quality monitoring stations at Wyee & Mannering Park marked and shown as EPA ID 16 & EPA ID 35 respectively on The Plan.



### GENERAL COMMENTS

\*For more information about the Australian Governments National Environment Protection (Ambient Air Quality) Measure (Air NEPM) visit <<https://www.nepc.gov.au/nepms/ambient-air-quality>>.  
 PM<sub>2.5</sub> changed from 25ug/m<sup>3</sup> to 20ug/m<sup>3</sup> in 2025. This reduction is reflected in the PM<sub>2.5</sub> graph above.

\*\*The Air NEPM daily standard for