



Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	February 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:

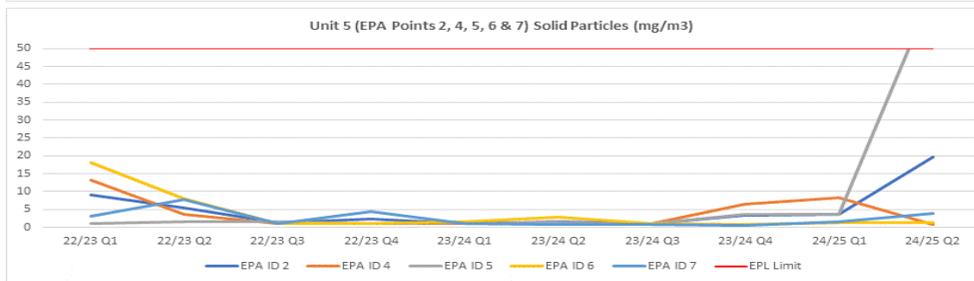
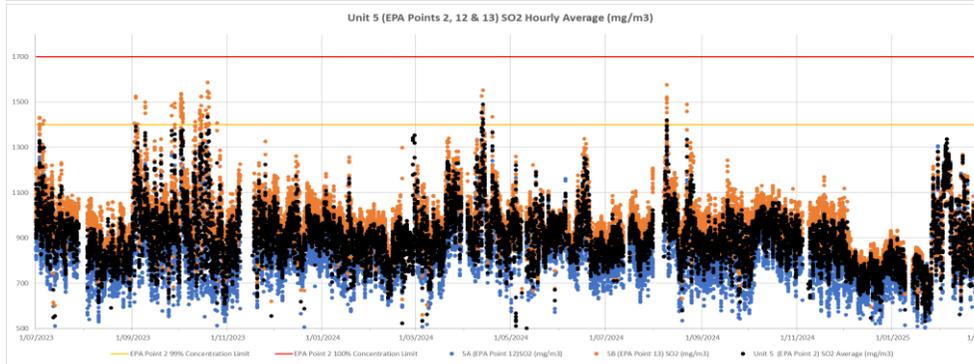
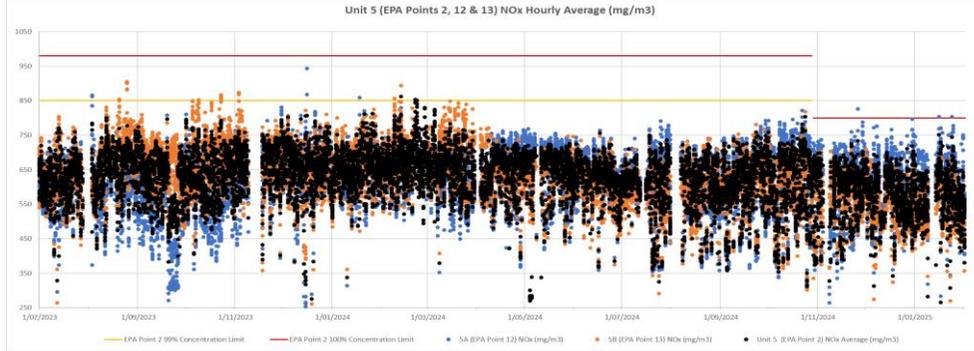
EPL Point	Air/Water/Noise/Other	Pollutant	Value Measured	Licence Limit	Comments

Monitoring Locations

The location of Environment Protection Licence monitoring points within the Vales Point Power Station premises can be found at <https://www.de.com.au/environment/environmental-licences-and-monitoring> . Click the heading "Vales Point Licence Points" to open the pdf document.

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
Feb-25	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Feb-25	Chlorine	(mg/m3)	Every 6 months							20	No	
Feb-25	Fluorine	(mg/m3)	Every 6 months							30	No	
Feb-25	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Feb-25	Mercury	(mg/m3)	Every 6 months							0.05	No	
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	289	471	647		800	No	
Feb-25	Solid Particles	(mg/m3)	Quarterly							50	No	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	562	934	1336	1400	1700	No	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Feb-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No	

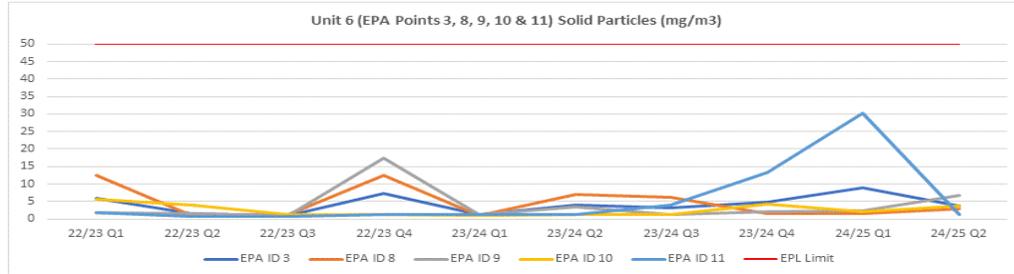
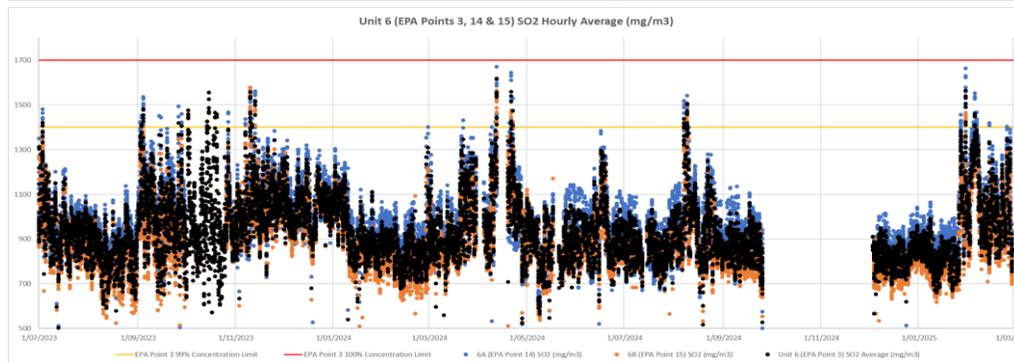
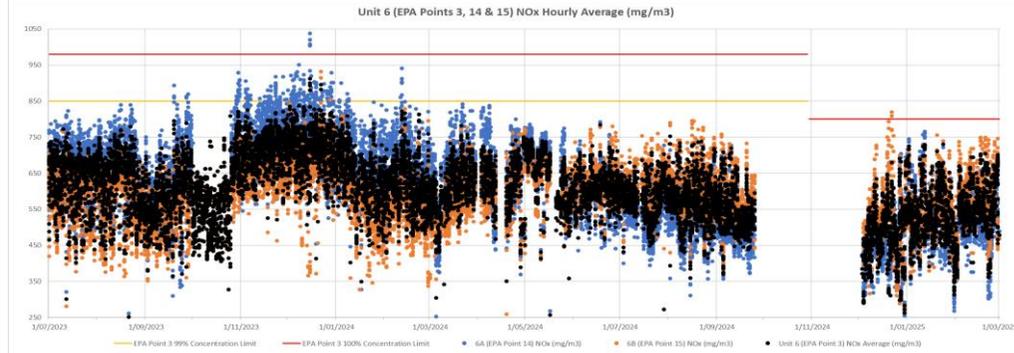
The 100% Concentration limits in the below graphs apply to EPA Point 2 only. EPA Point 2 is the combined emissions from EPA Points 12 & 13 for NOx and SO2 and EPA Points 4, 5, 6 & 7 for Particulates.



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/Masurement 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
Feb-25	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Feb-25	Chlorine	(mg/m3)	Every 6 months							20	No	
Feb-25	Fluorine	(mg/m3)	Every 6 months							30	No	
Feb-25	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Feb-25	Mercury	(mg/m3)	Every 6 months							0.05	No	
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	361	551	704		800	No	
Feb-25	Solid Particles	(mg/m3)	Quarterly							50	No	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	754	1056	1461	1400	1700	No	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Feb-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	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
Feb-25	Cadmium	(mg/m ³)	Every 6 months								N/A	
Feb-25	Carbon dioxide	(%)	Every 6 months								N/A	
Feb-25	Chlorine	(mg/m ³)	Every 6 months								N/A	
Feb-25	Fluorine	(mg/m ³)	Every 6 months								N/A	
Feb-25	Hydrogen chloride	(mg/m ³)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m ³)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m ³)	Quarterly								N/A	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO ₃)	(mg/m ³)	Every 6 months								N/A	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m ³)	Every 6 months								N/A	
Feb-25	VOC's as n-propane equivalent	(mg/m ³)	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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Carbon dioxide	(%)	Every 6 months								N/A	
Feb-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Carbon dioxide	(%)	Every 6 months								N/A	
Feb-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Carbon dioxide	(%)	Every 6 months								N/A	
Feb-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Feb-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Feb-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Feb-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
Feb-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Feb-25	Mercury	(mg/m3)	Every 6 months								N/A	
Feb-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Feb-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
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	297	482	715			N/A	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	407	909	1337			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
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	264	460	655			N/A	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	646	959	1334			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
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	302	520	681			N/A	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	796	1112	1551			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
Feb-25	Nitrogen Oxides	(mg/m3)	Continuous	100%	Feb-25	356	583	749			N/A	
Feb-25	Sulfur dioxide	(mg/m3)	Continuous	100%	Feb-25	699	1000	1373			N/A	

POINT 22 Discharge of cooling water from the cooling water outlet canal to Wye 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
Feb-25	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	5/02/2025	0	0	0		0.2	No	
Feb-25	Copper	(mg/L)	Monthly during discharge	1	5/02/2025	<0.001	<0.001	<0.001		0.005	No	
Feb-25	Iron	(mg/L)	Monthly during discharge	1	5/02/2025	0.10	0.10	0.10		0.3	No	
Feb-25	Oil and Grease	Visible	Continuous during discharge	100%	Feb-25	NIL	NIL	NIL				
Feb-25	Selenium	(mg/L)	Monthly during discharge	1	5/02/2025	0.002	0.002	0.002		0.005	No	
Feb-25	Temperature	(°C)	Continuous during discharge	100%	Feb-25	20.6	31.4	34.9	35	37.5	No	

POINT 23 Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wye 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
Feb-25	Aluminium	(mg/L)	Monthly during discharge	1	5/02/2025	0.03	0.03	0.03				
Feb-25	Ammonia	(mg/L)	Monthly during discharge	1	5/02/2025	0.120	0.120	0.120				
Feb-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	5/02/2025	<0.001	<0.001	<0.001				
Feb-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	5/02/2025	0.01	0.01	0.01				
Feb-25	Cadmium	(mg/L)	Monthly during discharge	1	5/02/2025	<0.0001	<0.0001	<0.0001				
Feb-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	5/02/2025	0.006	0.006	0.006				
Feb-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	5/02/2025	<0.005	<0.005	<0.005				
Feb-25	Copper	(mg/L)	Monthly during discharge	1	5/02/2025	0.001	0.001	0.001				
Feb-25	Iron	(mg/L)	Monthly during discharge	1	5/02/2025	0.08	0.08	0.08				
Feb-25	Lead	(mg/L)	Monthly during discharge	1	5/02/2025	<0.001	<0.001	<0.001				
Feb-25	Manganese	(mg/L)	Monthly during discharge	1	5/02/2025	0.012	0.012	0.012				
Feb-25	Nickel	(mg/L)	Monthly during discharge	1	5/02/2025	0.005	0.005	0.005				
Feb-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	5/02/2025	0.043	0.043	0.043				
Feb-25	Nitrogen	(mg/L)	Monthly during discharge	1	5/02/2025	0.4	0.4	0.4				
Feb-25	pH	pH	Monthly during discharge	1	5/02/2025	8.70	8.70	8.70		6.5 - 9.5	No	
Feb-25	Phosphorus	(mg/L)	Monthly during discharge	1	5/02/2025	0.1	0.1	0.1				
Feb-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	5/02/2025	0.07	0.07	0.07				
Feb-25	Selenium	(mg/L)	Monthly during discharge	1	5/02/2025	0.033	0.033	0.033				
Feb-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	5/02/2025	0.4	0.4	0.4				
Feb-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	5/02/2025	<5	<5	<5		50	No	
Feb-25	Vanadium	(mg/L)	Monthly during discharge	1	5/02/2025	0.06	0.06	0.06				
Feb-25	Zinc	(mg/L)	Monthly during discharge	1	5/02/2025	0.016	0.016	0.016				

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
Feb-25	Aluminium	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Ammonia	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Cadmium	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Copper	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Iron	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Lead	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Manganese	(mg/L)	Monthly during discharge	1	5/02/2025				No			No discharge from EPA24 during February 2025
Feb-25	Nickel	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Nitrogen	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	pH	pH	Monthly during discharge	1	5/02/2025				No	6.5 - 9.5	No	
Feb-25	Phosphorus	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Selenium	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	5/02/2025				No	50	No	
Feb-25	Vanadium	(mg/L)	Monthly during discharge	1	5/02/2025				No			
Feb-25	Zinc	(mg/L)	Monthly during discharge	1	5/02/2025				No			

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
Feb-25	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA25 during February 2025
Feb-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5		
Feb-25	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-25	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50		
Feb-25	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Feb-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
Feb-25	Aluminium	(mg/L)	Quarterly									
Feb-25	Ammonia	(mg/L)	Quarterly									
Feb-25	Arsenic (III)	(mg/L)	Quarterly									
Feb-25	Arsenic (V)	(mg/L)	Quarterly									
Feb-25	Cadmium	(mg/L)	Quarterly									
Feb-25	Chromium (trivalent)	(mg/L)	Quarterly									
Feb-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Feb-25	Copper	(mg/L)	Quarterly									
Feb-25	Electrical Conductivity	(us/cm)	Quarterly									
Feb-25	Iron	(mg/L)	Quarterly									
Feb-25	Lead	(mg/L)	Quarterly									
Feb-25	Magnesium	(mg/L)	Quarterly									
Feb-25	Manganese	(mg/L)	Quarterly									
Feb-25	Nickel	(mg/L)	Quarterly									
Feb-25	pH	pH	Quarterly									
Feb-25	Potassium	(mg/L)	Quarterly									
Feb-25	Selenium	(mg/L)	Quarterly									
Feb-25	Sodium	(mg/L)	Quarterly									
Feb-25	Standing Water Level	(m)	Quarterly									
Feb-25	Vanadium	(mg/L)	Quarterly									
Feb-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
Feb-25	Aluminium	(mg/L)	Quarterly									
Feb-25	Ammonia	(mg/L)	Quarterly									
Feb-25	Arsenic (III)	(mg/L)	Quarterly									
Feb-25	Arsenic (V)	(mg/L)	Quarterly									
Feb-25	Cadmium	(mg/L)	Quarterly									
Feb-25	Chromium (trivalent)	(mg/L)	Quarterly									
Feb-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Feb-25	Copper	(mg/L)	Quarterly									
Feb-25	Electrical Conductivity	(us/cm)	Quarterly									
Feb-25	Iron	(mg/L)	Quarterly									
Feb-25	Lead	(mg/L)	Quarterly									
Feb-25	Magnesium	(mg/L)	Quarterly									
Feb-25	Manganese	(mg/L)	Quarterly									
Feb-25	Nickel	(mg/L)	Quarterly									
Feb-25	pH	pH	Quarterly									
Feb-25	Potassium	(mg/L)	Quarterly									
Feb-25	Selenium	(mg/L)	Quarterly									
Feb-25	Sodium	(mg/L)	Quarterly									
Feb-25	Standing Water Level	(m)	Quarterly									
Feb-25	Vanadium	(mg/L)	Quarterly									
Feb-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
Feb-25	Aluminium	(mg/L)	Quarterly									
Feb-25	Ammonia	(mg/L)	Quarterly									
Feb-25	Arsenic (III)	(mg/L)	Quarterly									
Feb-25	Arsenic (V)	(mg/L)	Quarterly									
Feb-25	Cadmium	(mg/L)	Quarterly									
Feb-25	Chromium (trivalent)	(mg/L)	Quarterly									
Feb-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Feb-25	Copper	(mg/L)	Quarterly									
Feb-25	Electrical Conductivity	(us/cm)	Quarterly									
Feb-25	Iron	(mg/L)	Quarterly									
Feb-25	Lead	(mg/L)	Quarterly									
Feb-25	Magnesium	(mg/L)	Quarterly									
Feb-25	Manganese	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for April 2025
Feb-25	Nickel	(mg/L)	Quarterly									
Feb-25	pH	pH	Quarterly									
Feb-25	Potassium	(mg/L)	Quarterly									
Feb-25	Selenium	(mg/L)	Quarterly									
Feb-25	Sodium	(mg/L)	Quarterly									
Feb-25	Standing Water Level	(m)	Quarterly									
Feb-25	Vanadium	(mg/L)	Quarterly									
Feb-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
Feb-25	Aluminium	(mg/L)	Quarterly									
Feb-25	Ammonia	(mg/L)	Quarterly									
Feb-25	Arsenic (III)	(mg/L)	Quarterly									
Feb-25	Arsenic (V)	(mg/L)	Quarterly									
Feb-25	Cadmium	(mg/L)	Quarterly									
Feb-25	Chromium (trivalent)	(mg/L)	Quarterly									
Feb-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Feb-25	Copper	(mg/L)	Quarterly									
Feb-25	Electrical Conductivity	(us/cm)	Quarterly									
Feb-25	Iron	(mg/L)	Quarterly									
Feb-25	Lead	(mg/L)	Quarterly									
Feb-25	Magnesium	(mg/L)	Quarterly									
Feb-25	Manganese	(mg/L)	Quarterly									Next round of quarterly groundwater sampling scheduled for April 2025
Feb-25	Nickel	(mg/L)	Quarterly									
Feb-25	pH	pH	Quarterly									
Feb-25	Potassium	(mg/L)	Quarterly									
Feb-25	Selenium	(mg/L)	Quarterly									
Feb-25	Sodium	(mg/L)	Quarterly									
Feb-25	Standing Water Level	(m)	Quarterly									
Feb-25	Vanadium	(mg/L)	Quarterly									
Feb-25	Zinc	(mg/L)	Quarterly									

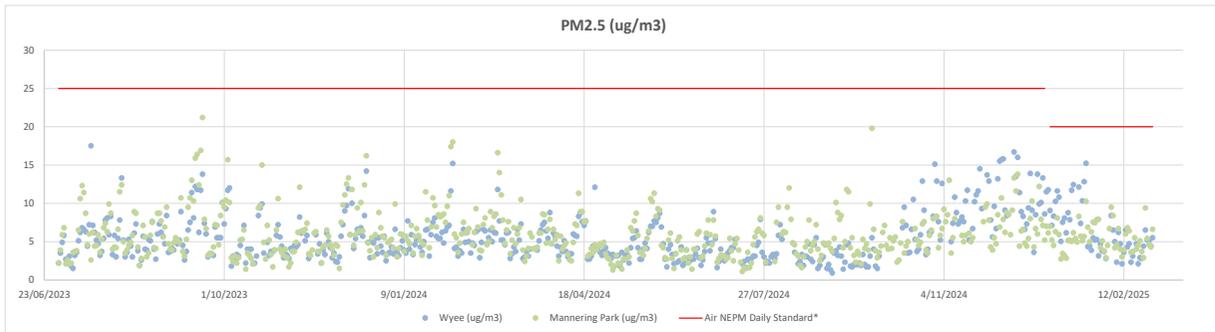
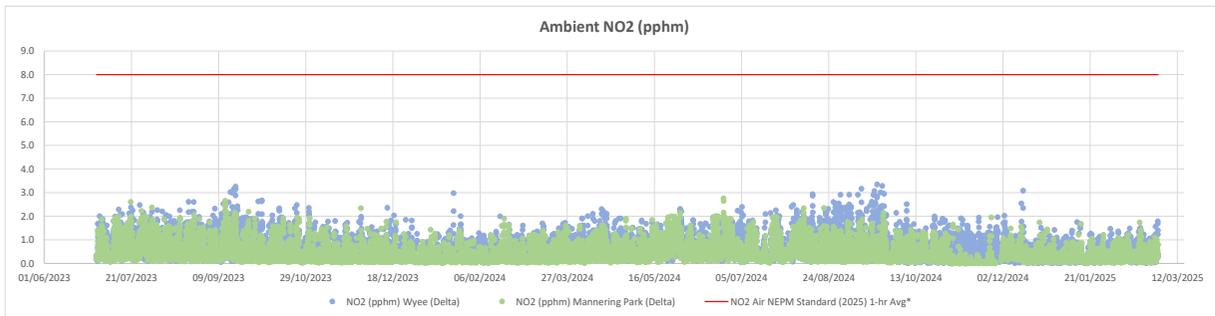
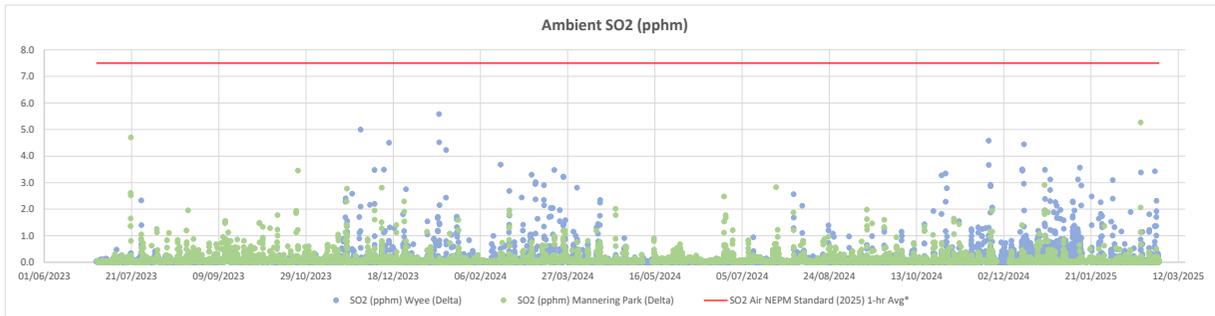
POINT 34 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

Month	Pollutant	Unit of Measure	Sample/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
Feb-25	Aluminium	(mg/L)	Quarterly									
Feb-25	Ammonia	(mg/L)	Quarterly									
Feb-25	Arsenic (III)	(mg/L)	Quarterly									
Feb-25	Arsenic (V)	(mg/L)	Quarterly									
Feb-25	Cadmium	(mg/L)	Quarterly									
Feb-25	Chromium (trivalent)	(mg/L)	Quarterly									
Feb-25	Chromium (VI) Compounds	(mg/L)	Quarterly									
Feb-25	Copper	(mg/L)	Quarterly									
Feb-25	Electrical Conductivity	(us/cm)	Quarterly									
Feb-25	Iron	(mg/L)	Quarterly									
Feb-25	Lead	(mg/L)	Quarterly									
Feb-25	Magnesium	(mg/L)	Quarterly									
Feb-25	Manganese	(mg/L)	Quarterly									
Feb-25	Nickel	(mg/L)	Quarterly									
Feb-25	pH	pH	Quarterly									
Feb-25	Potassium	(mg/L)	Quarterly									
Feb-25	Selenium	(mg/L)	Quarterly									
Feb-25	Sodium	(mg/L)	Quarterly									
Feb-25	Standing Water Level	(m)	Quarterly									
Feb-25	Vanadium	(mg/L)	Quarterly									
Feb-25	Zinc	(mg/L)	Quarterly									

Next round of quarterly groundwater sampling scheduled for April 2025

Ambient Air Quality Graphs

POINTS 16 & 35 Meteorological and ambient air quality monitoring stations at Wye & 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>>.
 changed from 25ug/m3 to 20ug/m3 in 2025. This reduction is reflected in the PM2.5 graph above.

**The Air NEPM daily standard for PM2.5