Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	DELTA POWER & ENERGY (VALES POINT) PTY LTD	
REPORTING PERIOD	October 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.

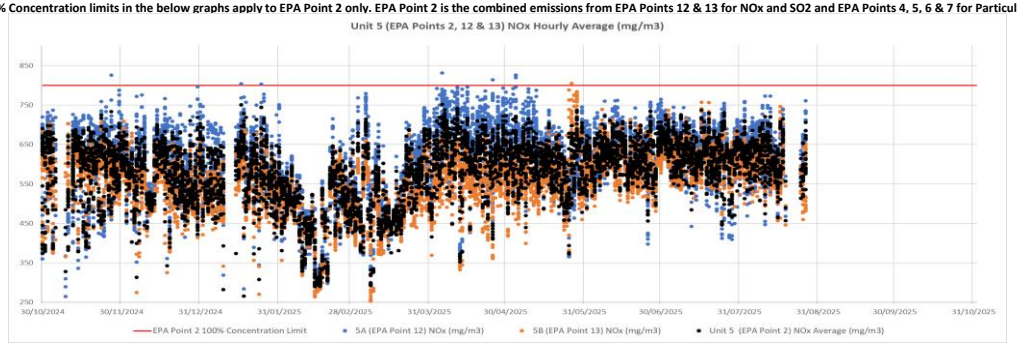
Comments

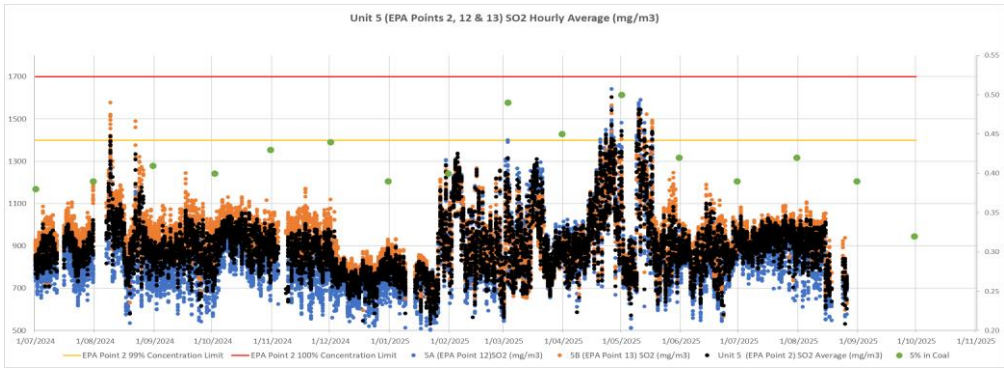
Unit 5 was out of service for the entire month of October 2025.

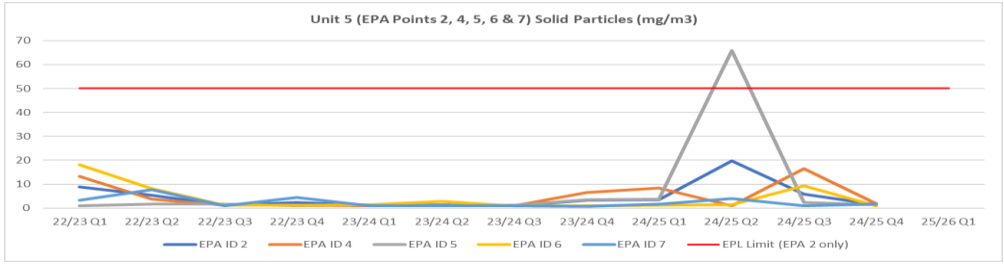
POINT 2 **Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).**

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
Oct-25	Cadmium	(mg/m3)	Every 6 months							0.03	No	
Oct-25	Chlorine	(mg/m3)	Every 6 months							4	No	
Oct-25	Fluorine	(mg/m3)	Every 6 months							30	No	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Oct-25	Mercury	(mg/m3)	Every 6 months							0.03	No	
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous		Oct-25					800	No	Unit 5 was out of service for the entire month of Oct 2025.
Oct-25	Solid Particles	(mg/m3)	Quarterly							50	No	
Oct-25	Sulfur dioxide	(mg/m3)	Continuous		Oct-25				1400	1700	No	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.6	No	
Oct-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.



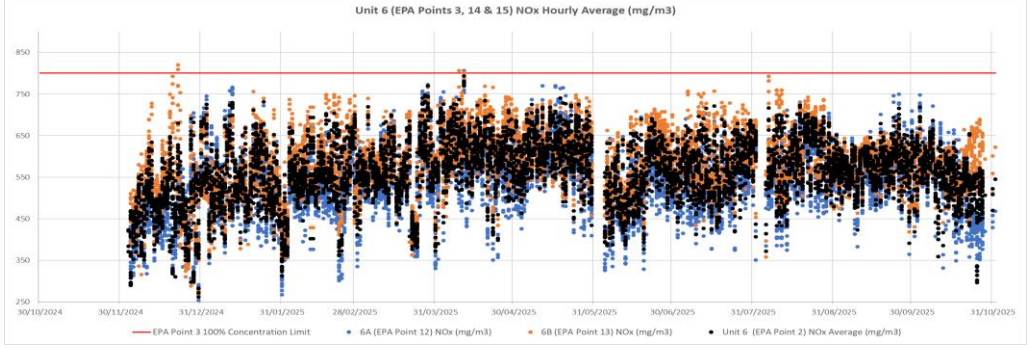


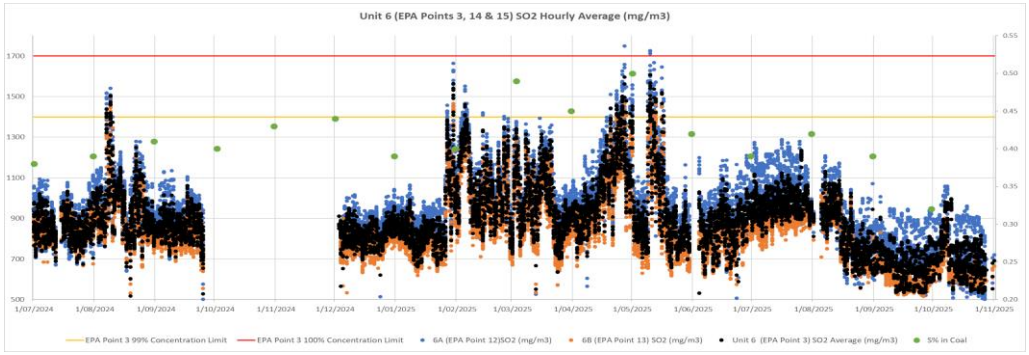


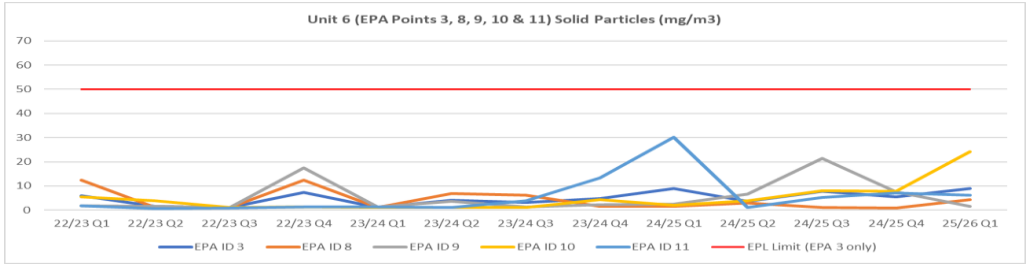
POINT 3 **Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).**

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
Oct-25	Cadmium	(mg/m3)	Every 6 months	1	August 2025	0.00048	0.00048	0.00048		**0.03**	**No**	
Oct-25	Chlorine	(mg/m3)	Every 6 months	1	August 2025	<0.575	<0.575	<0.575		**4**	**No**	
Oct-25	Fluorine	(mg/m3)	Every 6 months	1	August 2025	3.1	3.1	3.1		**30**	**No**	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months	1	August 2025	5.62	5.62	5.62		**50**	**No**	
Oct-25	Mercury	(mg/m3)	Every 6 months	1	August 2025	0.0005	0.0005	0.0005		**0.03**	**No**	
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous	96.0%	Oct-25	386	548	718		**800**	**No**	
Oct-25	Solid Particles	(mg/m3)	Quarterly	1	August 2025	8.9	8.9	8.9		**50**	**No**	
Oct-25	Sulfur dioxide	(mg/m3)	Continuous	96.0%	Oct-25	532	714	980	**1400**	**1700**	**No**	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	August 2025	5.8	5.8	5.8		**100**	**No**	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	August 2025	0.063	0.063	0.063		**0.6**	**No**	
Oct-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	August 2025	<0.4	<0.4	<0.4		**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
Oct-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-25	Carbon dioxide	(%)	Every 6 months								N/A	
Oct-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Oct-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Oct-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
Oct-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-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
Oct-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-25	Carbon dioxide	(%)	Every 6 months								N/A	
Oct-25	Chlorine	(mg/m3)	Every 6 months								N/A	
Oct-25	Fluorine	(mg/m3)	Every 6 months								N/A	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Oct-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
Oct-25	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-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
Oct-25	Cadmium	(mg/m3)	Every 6 months	1	August 2025	0.00111	0.00111	0.00111			N/A	
Oct-25	Carbon dioxide	(%)	Every 6 months	1	August 2025	9.9	9.9	9.9			N/A	
Oct-25	Chlorine	(mg/m3)	Every 6 months	1	August 2025	<0.381	<0.382	<0.383			N/A	
Oct-25	Fluorine	(mg/m3)	Every 6 months	1	August 2025	4.41	4.41	4.41			N/A	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months	1	August 2025	5.2	5.2	5.2			N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months	1	August 2025	0.0004	0.0004	0.0004			N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly	1	August 2025	4.3	4.3	4.3			N/A	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	August 2025	5.4	5.4	5.4			N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	August 2025	0.0804	0.0804	0.0804			N/A	
Oct-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	August 2025	<0.402	<0.403	<0.404			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
Oct-25	Cadmium	(mg/m3)	Every 6 months	1	August 2025	0.00031	0.00031	0.00031			N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months	1	August 2025	0.00088	0.00088	0.00088			N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly	1	August 2025	<1.54	<1.54	<1.54			N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	August 2025	0.0788	0.0788	0.0788			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
Oct-25	Cadmium	(mg/m3)	Every 6 months	1	August 2025	0.00043	0.00043	0.00043			N/A	
Oct-25	Carbon dioxide	(%)	Every 6 months	1	August 2025	8.6	8.6	8.6			N/A	
Oct-25	Chlorine	(mg/m3)	Every 6 months	1	August 2025	<0.798	<0.799	<0.800			N/A	
Oct-25	Fluorine	(mg/m3)	Every 6 months	1	August 2025	1.51	1.51	1.51			N/A	
Oct-25	Hydrogen chloride	(mg/m3)	Every 6 months	1	August 2025	6.1	6.1	6.1			N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months	1	August 2025	0.00022	0.00022	0.00022			N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly	1	August 2025	24.1	24.1	24.1			N/A	
Oct-25	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	August 2025	6.2	6.2	6.2			N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	August 2025	0.065	0.065	0.065			N/A	
Oct-25	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	August 2025	<0.398	<0.399	<0.400			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
Oct-25	Cadmium	(mg/m3)	Every 6 months	1	August 2025	<0.00007	<0.00007	<0.00007			N/A	
Oct-25	Mercury	(mg/m3)	Every 6 months	1	August 2025	0.00045	0.00045	0.00045			N/A	
Oct-25	Solid Particles	(mg/m3)	Quarterly	1	August 2025	6.1	6.1	6.1			N/A	
Oct-25	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	August 2025	0.036	0.036	0.036			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
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous		Oct-25						N/A	Unit 5 was out of service for the entire month of Oct 2025.
Oct-25	Sulfur dioxide	(mg/m3)	Continuous		Oct-25						N/A	

POINT 13 **Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shownas 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
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous		Oct-25						N/A	Unit 5 was out of service for the entire month of Oct 2025.
Oct-25	Sulfur dioxide	(mg/m3)	Continuous		Oct-25						N/A	

POINT 14 **Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shownas 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
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous	98.0%	Oct-25	296	522	748			N/A	
Oct-25	Sulfur dioxide	(mg/m3)	Continuous	98.0%	Oct-25	473	768	1058			N/A	

POINT 15 **Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas 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
Oct-25	Nitrogen Oxides	(mg/m3)	Continuous	94.0%	Oct-25	430	575	689			N/A	
Oct-25	Sulfur dioxide	(mg/m3)	Continuous	94.0%	Oct-25	543	661	901			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
Oct-25	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	9/10/2025	0	0	0		**0.2**	**No**	
Oct-25	Copper	(mg/L)	Monthly during discharge	1	9/10/2025	<0.002	<0.002	<0.002		**0.005**	**No**	
Oct-25	Iron	(mg/L)	Monthly during discharge	1	9/10/2025	0.16	0.16	0.16		**0.3**	**No**	
Oct-25	Oil and Grease	Visible	Continuous during discharge	100%	Oct-25	NIL	NIL	NIL				
Oct-25	Selenium	(mg/L)	Monthly during discharge	1	9/10/2025	0.002	0.002	0.002		**0.005**	**No**	
Oct-25	Temperature	(°C)	Continuous during discharge	100%	Oct-25	20.8	28.3	33.3	**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
Oct-25	Aluminium	(mg/L)	Monthly during discharge	1	9/10/2025	0.04	0.04	0.04				
Oct-25	Ammonia	(mg/L)	Monthly during discharge	1	9/10/2025	0.057	0.057	0.057				
Oct-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/10/2025	0.0090	0.0090	0.0090				
Oct-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/10/2025	0.004	0.004	0.004				
Oct-25	Cadmium	(mg/L)	Monthly during discharge	1	9/10/2025	<0.0001	<0.0001	<0.0001				
Oct-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/10/2025	0.02	0.02	0.02				
Oct-25	Copper	(mg/L)	Monthly during discharge	1	9/10/2025	0.001	0.001	0.001				
Oct-25	Iron	(mg/L)	Monthly during discharge	1	9/10/2025	0.14	0.14	0.14				
Oct-25	Lead	(mg/L)	Monthly during discharge	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Manganese	(mg/L)	Monthly during discharge	1	9/10/2025	0.010	0.010	0.010				
Oct-25	Nickel	(mg/L)	Monthly during discharge	1	9/10/2025	0.002	0.002	0.002				
Oct-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/10/2025	0.06	0.06	0.06				
Oct-25	Nitrogen	(mg/L)	Monthly during discharge	1	9/10/2025	0.4	0.4	0.4				
Oct-25	pH	pH	Monthly during discharge	1	9/10/2025	8.70	8.70	8.70		**6.5 - 9.5**	**No**	
Oct-25	Phosphorus	(mg/L)	Monthly during discharge	1	9/10/2025	0.07	0.07	0.07				
Oct-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/10/2025	0.03	0.03	0.03				
Oct-25	Selenium	(mg/L)	Monthly during discharge	1	9/10/2025	0.014	0.014	0.014				
Oct-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/10/2025	0.3	0.3	0.3				
Oct-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/10/2025	17	17	17		**50**	**No**	
Oct-25	Vanadium	(mg/L)	Monthly during discharge	1	9/10/2025	0.074	0.074	0.074				
Oct-25	Zinc	(mg/L)	Monthly during discharge	1	9/10/2025	0.006	0.006	0.006				

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
Oct-25	Aluminium	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Ammonia	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Cadmium	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Copper	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Iron	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Lead	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Manganese	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Nickel	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Nitrogen	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	pH	pH	Monthly during discharge	1	9/10/2025				No	6.5 - 9.5	No	
Oct-25	Phosphorus	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Selenium	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/10/2025				No	50	No	
Oct-25	Vanadium	(mg/L)	Monthly during discharge	1	9/10/2025				No			
Oct-25	Zinc	(mg/L)	Monthly during discharge	1	9/10/2025				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
Oct-25	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9	No	
Oct-25	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-25	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Oct-25	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-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
Oct-25	Aluminium	(mg/L)	Quarterly	1	9/10/2025	0.87	0.87	0.87				
Oct-25	Ammonia	(mg/L)	Quarterly	1	9/10/2025	3.7	3.7	3.7				
Oct-25	Arsenic (III)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Arsenic (V)	(mg/L)	Quarterly	1	9/10/2025	0.006	0.006	0.006				
Oct-25	Cadmium	(mg/L)	Quarterly	1	9/10/2025	<0.0002	<0.0002	<0.0002				
Oct-25	Chromium (trivalent)	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Copper	(mg/L)	Quarterly	1	9/10/2025	0.006	0.006	0.006				
Oct-25	Electrical Conductivity	(us/cm)	Quarterly	1	9/10/2025	19939	19939	19939				
Oct-25	Iron	(mg/L)	Quarterly	1	9/10/2025	78.0	78.0	78.0				
Oct-25	Lead	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				Next round of quarterly groundwater sampling scheduled for January 2026
Oct-25	Magnesium	(mg/L)	Quarterly	1	9/10/2025	740	740	740				
Oct-25	Manganese	(mg/L)	Quarterly	1	9/10/2025	4.5	4.5	4.5				
Oct-25	Nickel	(mg/L)	Quarterly	1	9/10/2025	0.028	0.028	0.028				
Oct-25	pH	pH	Quarterly	1	9/10/2025	5.68	5.68	5.68				
Oct-25	Potassium	(mg/L)	Quarterly	1	9/10/2025	100	100	100				
Oct-25	Selenium	(mg/L)	Quarterly	1	9/10/2025	<0.002	<0.002	<0.002				
Oct-25	Sodium	(mg/L)	Quarterly	1	9/10/2025	5400	5400	5400				
Oct-25	Standing Water Level	(m)	Quarterly	1	9/10/2025	3.78	3.78	3.78				
Oct-25	Vanadium	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				
Oct-25	Zinc	(mg/L)	Quarterly	1	9/10/2025	0.011	0.011	0.011				

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
Oct-25	Aluminium	(mg/L)	Quarterly	1	9/10/2025	2.20	2.20	2.20				
Oct-25	Ammonia	(mg/L)	Quarterly	1	9/10/2025	0.74	0.74	0.74				
Oct-25	Arsenic (III)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Arsenic (V)	(mg/L)	Quarterly	1	9/10/2025	0.004	0.004	0.004				
Oct-25	Cadmium	(mg/L)	Quarterly	1	9/10/2025	<0.0002	<0.0002	<0.0002				
Oct-25	Chromium (trivalent)	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Copper	(mg/L)	Quarterly	1	9/10/2025	0.017	0.017	0.017				
Oct-25	Electrical Conductivity	(us/cm)	Quarterly	1	9/10/2025	10875	10875	10875				
Oct-25	Iron	(mg/L)	Quarterly	1	9/10/2025	96	96	96				
Oct-25	Lead	(mg/L)	Quarterly	1	9/10/2025	0.020	0.020	0.020				Next round of quarterly groundwater sampling scheduled for January 2026
Oct-25	Magnesium	(mg/L)	Quarterly	1	9/10/2025	290	290	290				
Oct-25	Manganese	(mg/L)	Quarterly	1	9/10/2025	1.4	1.4	1.4				
Oct-25	Nickel	(mg/L)	Quarterly	1	9/10/2025	0.046	0.046	0.046				
Oct-25	pH	pH	Quarterly	1	9/10/2025	5.45	5.45	5.45				
Oct-25	Potassium	(mg/L)	Quarterly	1	9/10/2025	23.0	23.0	23.0				
Oct-25	Selenium	(mg/L)	Quarterly	1	9/10/2025	0.004	0.004	0.004				
Oct-25	Sodium	(mg/L)	Quarterly	1	9/10/2025	1600	1600	1600				
Oct-25	Standing Water Level	(m)	Quarterly	1	9/10/2025	1.50	1.50	1.50				
Oct-25	Vanadium	(mg/L)	Quarterly	1	9/10/2025	0.012	0.012	0.012				
Oct-25	Zinc	(mg/L)	Quarterly	1	9/10/2025	0.28	0.28	0.28				

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
Oct-25	Aluminium	(mg/L)	Quarterly	1	9/10/2025	3.40	3.40	3.40				
Oct-25	Ammonia	(mg/L)	Quarterly	1	9/10/2025	0.06	0.06	0.06				
Oct-25	Arsenic (III)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Arsenic (V)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Cadmium	(mg/L)	Quarterly	1	9/10/2025	<0.0001	<0.0001	<0.0001				
Oct-25	Chromium (trivalent)	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Copper	(mg/L)	Quarterly	1	9/10/2025	0.036	0.036	0.036				
Oct-25	Electrical Conductivity	(us/cm)	Quarterly	1	9/10/2025	1248	1248	1248				
Oct-25	Iron	(mg/L)	Quarterly	1	9/10/2025	7	7	7				
Oct-25	Lead	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				Next round of quarterly groundwater sampling scheduled for January 2026
Oct-25	Magnesium	(mg/L)	Quarterly	1	9/10/2025	8	8	8				
Oct-25	Manganese	(mg/L)	Quarterly	1	9/10/2025	0.063	0.063	0.063				
Oct-25	Nickel	(mg/L)	Quarterly	1	9/10/2025	0.010	0.010	0.010				
Oct-25	pH	pH	Quarterly	1	9/10/2025	6.12	6.12	6.12				
Oct-25	Potassium	(mg/L)	Quarterly	1	9/10/2025	2.0	2.0	2.0				
Oct-25	Selenium	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Sodium	(mg/L)	Quarterly	1	9/10/2025	39	39	39				
Oct-25	Standing Water Level	(m)	Quarterly	1	9/10/2025	3.35	3.35	3.35				
Oct-25	Vanadium	(mg/L)	Quarterly	1	9/10/2025	0.005	0.005	0.005				
Oct-25	Zinc	(mg/L)	Quarterly	1	9/10/2025	0.027	0.027	0.027				

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).**

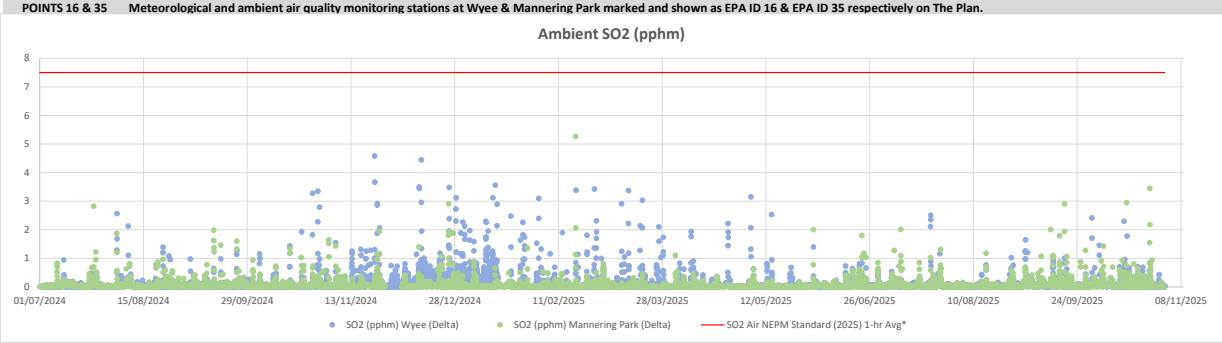
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Oct-25	Aluminium	(mg/L)	Quarterly	1	9/10/2025	1.30	1.30	1.30				
Oct-25	Ammonia	(mg/L)	Quarterly	1	9/10/2025	0.03	0.03	0.03				
Oct-25	Arsenic (III)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Arsenic (V)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Cadmium	(mg/L)	Quarterly	1	9/10/2025	<0.0002	<0.0002	<0.0002				
Oct-25	Chromium (trivalent)	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Copper	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				
Oct-25	Electrical Conductivity	(us/cm)	Quarterly	1	9/10/2025	23227	23227	23227				
Oct-25	Iron	(mg/L)	Quarterly	1	9/10/2025	58	58	58				
Oct-25	Lead	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				Next round of quarterly groundwater sampling scheduled for January 2026
Oct-25	Magnesium	(mg/L)	Quarterly	1	9/10/2025	1100	1100	1100				
Oct-25	Manganese	(mg/L)	Quarterly	1	9/10/2025	0.06	0.06	0.06				
Oct-25	Nickel	(mg/L)	Quarterly	1	9/10/2025	0.002	0.002	0.002				
Oct-25	pH	pH	Quarterly	1	9/10/2025	6.73	6.73	6.73				
Oct-25	Potassium	(mg/L)	Quarterly	1	9/10/2025	300	300	300				
Oct-25	Selenium	(mg/L)	Quarterly	1	9/10/2025	<0.002	<0.002	<0.002				
Oct-25	Sodium	(mg/L)	Quarterly	1	9/10/2025	8500	8500	8500				
Oct-25	Standing Water Level	(m)	Quarterly	1	9/10/2025	0.37	0.37	0.37				
Oct-25	Vanadium	(mg/L)	Quarterly	1	9/10/2025	0.007	0.007	0.007				
Oct-25	Zinc	(mg/L)	Quarterly	1	9/10/2025	0.017	0.017	0.017				

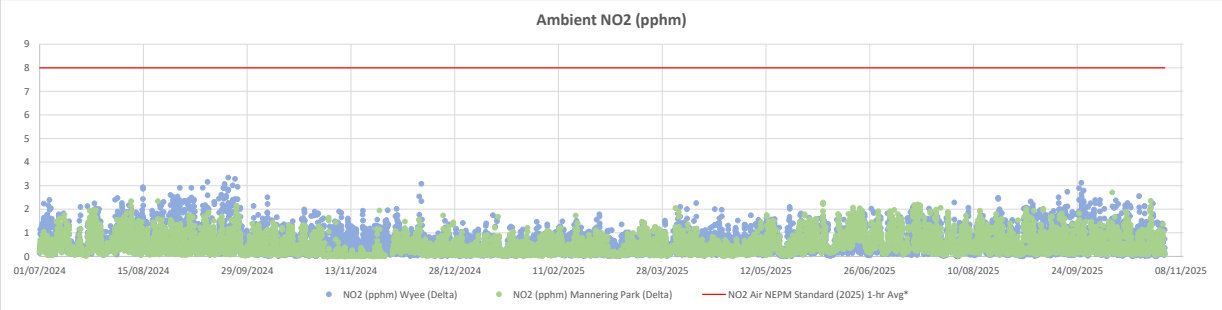
POINT 34 **Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).**

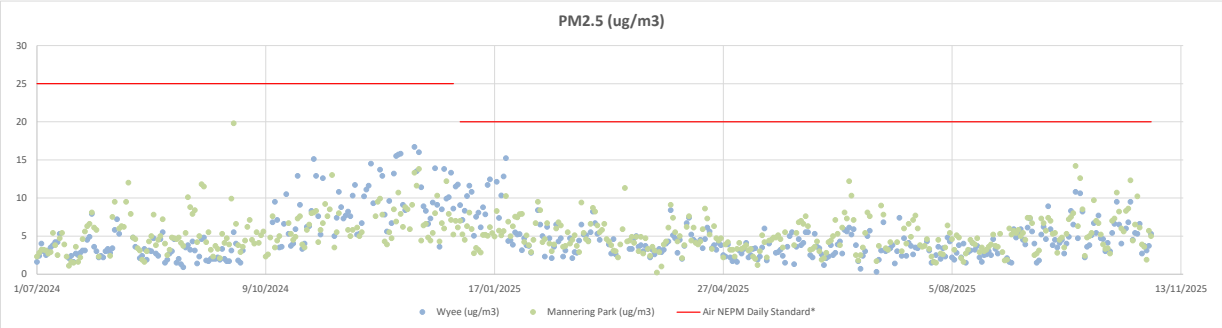
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Oct-25	Aluminium	(mg/L)	Quarterly	1	9/10/2025	0.7	0.7	0.7				
Oct-25	Ammonia	(mg/L)	Quarterly	1	9/10/2025	0.030	0.030	0.030				
Oct-25	Arsenic (III)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Arsenic (V)	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Cadmium	(mg/L)	Quarterly	1	9/10/2025	<0.0001	<0.0001	<0.0001				
Oct-25	Chromium (trivalent)	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Chromium (VI) Compounds	(mg/L)	Quarterly	1	9/10/2025	<0.005	<0.005	<0.005				
Oct-25	Copper	(mg/L)	Quarterly	1	9/10/2025	0.003	0.003	0.003				
Oct-25	Electrical Conductivity	(us/cm)	Quarterly	1	9/10/2025	1099	1099	1099				
Oct-25	Iron	(mg/L)	Quarterly	1	9/10/2025	3.2	3.2	3.2				
Oct-25	Lead	(mg/L)	Quarterly	1	9/10/2025	0.002	0.002	0.002				Next round of quarterly groundwater sampling scheduled for January 2026
Oct-25	Magnesium	(mg/L)	Quarterly	1	9/10/2025	8.2	8.2	8.2				
Oct-25	Manganese	(mg/L)	Quarterly	1	9/10/2025	0.074	0.074	0.074				
Oct-25	Nickel	(mg/L)	Quarterly	1	9/10/2025	0.005	0.005	0.005				
Oct-25	pH	pH	Quarterly	1	9/10/2025	5.30	5.30	5.30				
Oct-25	Potassium	(mg/L)	Quarterly	1	9/10/2025	2	2	2				
Oct-25	Selenium	(mg/L)	Quarterly	1	9/10/2025	<0.001	<0.001	<0.001				
Oct-25	Sodium	(mg/L)	Quarterly	1	9/10/2025	90	90	90				
Oct-25	Standing Water Level	(m)	Quarterly	1	9/10/2025	0.35	0.35	0.35				
Oct-25	Vanadium	(mg/L)	Quarterly	1	9/10/2025	0.010	0.010	0.010				
Oct-25	Zinc	(mg/L)	Quarterly	1	9/10/2025	0.014	0.014	0.014				

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>.

**The Air NEPM daily standard for PM2.5 changed from 25ug/m3 to 20ug/m3 in 2025. This reduction is reflected in the PM2.5 graph above.