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	December 2024	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



	Summar

Were all licence monitoring limits met this month?	Yes

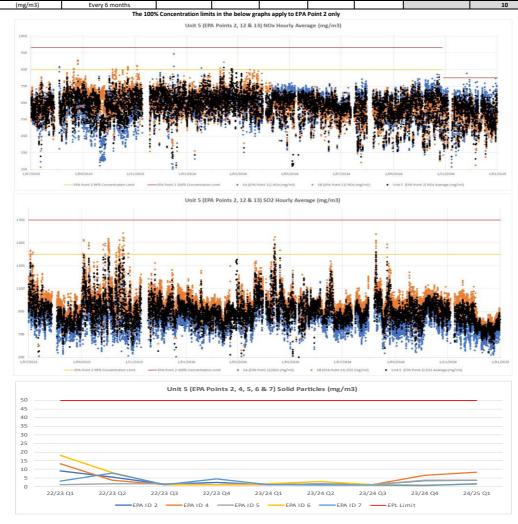
Details of any licence monitoring limit not complied with this month if applicable:

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

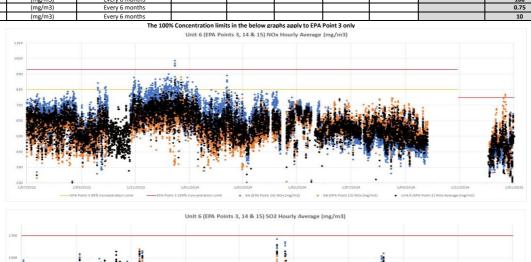
Monitoring Locations

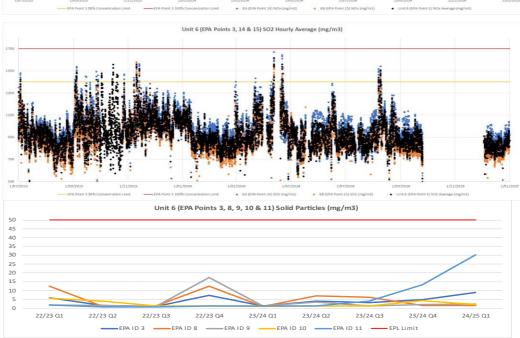
The location of Environment Protection Licence monitoring points within the Vales Point Power Station premises can be found at https://www.de.com.au/environment/environmental-licences-and-monitoring. Click the heading "Vales Point Licence Points" to open the pdf document.

POINT 2	OINT 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 DOC20/476695-1).												
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-24	Cadmium	(mg/m3)	Every 6 months							0.2	No		
Dec-24	Chlorine	(mg/m3)	Every 6 months							20	No		
Dec-24	Fluorine	(mg/m3)	Every 6 months							30	No		
Dec-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No		
Dec-24	Mercury	(mg/m3)	Every 6 months							0.05	No		
Dec-24	Nitrogen Oxides	(mg/m3)	Continuous	99.5%	Dec-24	313	571	719		800	No		
Dec-24	Solid Particles	(mg/m3)	Quarterly							50	No		
Dec-24	Sulfur dioxide	(mg/m3)	Continuous	99.5%	Dec-24	546	758	970	1400	1700	No		
Dec-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No		
Dec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No		
Dec-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months			,				10	No		



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	Data Camulad	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments	
				& Analysed	Date Sampled	value	Samples	value	Concentration Limit		.,	Comments	
Dec-24	Cadmium	(mg/m3)	Every 6 months							0.2	No		
Dec-24	Chlorine	(mg/m3)	Every 6 months							20	No		
Dec-24	Fluorine	(mg/m3)	Every 6 months							30	No		
Dec-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No		
Dec-24	Mercury	(mg/m3)	Every 6 months							0.05	No		
Dec-24	Nitrogen Oxides	(mg/m3)	Continuous	91.8%	Dec-24	262	492	690		800	No		
Dec-24	Solid Particles	(mg/m3)	Quarterly							50	No		
Dec-24	Sulfur dioxide	(mg/m3)	Continuous	94.1%	Dec-24	565	829	959	1400	1700	No		
Dec-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No		
Dec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No		
Dec-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•	,		10	No	_	





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).												
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments	
Dec-24	Cadmium	(mg/m3)	Every 6 months								N/A		
Dec-24	Carbon dioxide	(%)	Every 6 months								N/A		
Dec-24	Chlorine	(mg/m3)	Every 6 months								N/A		
Dec-24	Fluorine	(mg/m3)	Every 6 months								N/A		
Dec-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A		
Dec-24	Mercury	(mg/m3)	Every 6 months								N/A		
Dec-24	Solid Particles	(mg/m3)	Quarterly								N/A		
Dec-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A		
Dec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A		
Dec-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•				N/A	•	

OINT 5	Boiler number 5 exhaust - duct B marked and sho	own as EFA ID 5 OII THE FIE	ins ("VX83/351-1 AND "VX83/351-2	05/00/2020 E.A.	EI EKENCE DOCZO	,	20,470035 2,1					
/lonth	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
ec-24	Cadmium	(mg/m3)	Every 6 months	& Allalyseu	Date Jampieu	value	Jampies	value	Concentration Limit	Concentration Limit	N/A	comments
ec-24	Mercury	(mg/m3)	Every 6 months								N/A	
ec-24	Solid Particles	(mg/m3)	Quarterly								N/A	
ec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(8,)			ı						,	
OINT 6	Boiler number 5 exhaust - duct C marked and sho	own as EPA ID 6 on The Pla	ins ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA F	EFERENCE DOC20	/476695 AND DOC	20/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
lonth	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
ec-24	Cadmium	(mg/m3)	Every 6 months								N/A	
ec-24	Carbon dioxide	(%)	Every 6 months								N/A	
ec-24	Chlorine	(mg/m3)	Every 6 months								N/A	
ec-24	Fluorine	(mg/m3)	Every 6 months								N/A	
ec-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	<u> </u>
ec-24	Mercury	(mg/m3)	Every 6 months								N/A	
ec-24	Solid Particles	(mg/m3)	Quarterly								N/A	
ec-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
ec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
ec-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
DINT 7	Boiler number 5 exhaust - duct D marked and sho	own as EPA ID 7 on The Pla	ans ("VX837351-1 AND "VX837351-2	2" 03/06/2020 EPA F	REFERENCE DOC20	/476695 AND DO	20/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
lonth	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
ec-24	Cadmium	(mg/m3)	Every 6 months								N/A	
ec-24	Mercury	(mg/m3)	Every 6 months								N/A N/A	
ec-24	Solid Particles	(mg/m3)	Quarterly									
Dec-24	Type 1 and Type 2 substances in aggregate											
		(mg/m3)	Every 6 months								N/A	
OINT 0	Dallan mumbar Caubanat duat Suranland and sha	•	•	n" 02/05/2020 FDA 5	AFFERENCE DOCA	A/AZCCOF AND DOG	220/475505 41					
OINT 8	Boiler number 6 exhaust - duct A marked and sho	•	•	2" 03/06/2020 EPA F	REFERENCE DOC20	/476695 AND DOG	20/476695-1).					
OINT 8	Boiler number 6 exhaust - duct A marked and sho	•	•		REFERENCE DOC20			Highest Sample	99 Porcontilo	100 Bercentile	N/A	
		own as EPA ID 8 on The Pla	ons ("VX837351-1 AND "VX837351-2	Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	N/A Exceedance	
lonth	Pollutant	own as EPA ID 8 on The Pla	ins ("VX837351-1 AND "VX837351-2		Date Sampled			Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A Exceedance (yes/no)	Comments
lonth ec-24	Pollutant Cadmium	Own as EPA ID 8 on The Pla Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				N/A Exceedance (yes/no) N/A	Comments
1onth ec-24 ec-24	Pollutant Cadmium Carbon dioxide	Unit of Measure (mg/m3) (%)	Sample/Measurement Frequency Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A	Comments
Nonth ec-24 ec-24 ec-24	Pollutant Cadmium Carbon dioxide Chlorine	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A	Comments
Month Dec-24 Dec-24 Dec-24 Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3)	sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A	Comments
Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A	Comments
Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A	Comments
Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Quarterly Quarterly	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A	Comments
Month Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03)	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Ouarterly Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Ouarterly Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
10nth ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03)	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Ouarterly Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A	Comments
Aonth Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
lonth ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 2" 03/06/2020 EPA F	Date Sampled	Value Value /476695 AND DOO	Mean of Samples	Value	Concentration Limit	Concentration Limit	Exceedance (yes/no) N/A	Comments
lonth ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24 ec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 2" 03/06/2020 EPA F	Date Sampled	Lowest Sample Value /476695 AND DOC Lowest Sample	Mean of Samples 20/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A	
10nth ec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as 503) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 2" 03/06/2020 EPA F	Date Sampled	Lowest Sample Value /476695 AND DOC Lowest Sample	Mean of Samples 20/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A	
Month Dec-24	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 2" 03/06/2020 EPA F	Date Sampled	Lowest Sample Value /476695 AND DOC Lowest Sample	Mean of Samples 20/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A	

Dec-24

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 sho											
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-24	Cadmium	(mg/m3)	Every 6 months	& Allalyseu	Date Sampleu	value	Jampies	value	Concentration Limit	Concentration Limit	N/A	Comments
Dec-24 Dec-24	Carbon dioxide	(mg/ms) (%)	Every 6 months								N/A	
Dec-24 Dec-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-24	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
DCC 24	voc 3 as ii-propane equivalent	(1118/1113)	Every o months			lt					N/A	
POINT 11	Boiler number 6 exhaust - duct D marked and sho	own as FDA ID 11 on The D	lane ("VY837351-1 AND "VY837351-	2" 03/06/2020 FDA	PEEEDENCE DOC	00/476695 AND DO	C20/476695-1)					
TOINT II	Doner Humber o exhaust - duct o marked and she	Wil as Er A ID 11 on the r	10115 (VX057551-1 AND VX057551-	2 03/00/2020 EFA	KEI EKEIVEE DOCZ	0,470033 AND DO	CE0/470033-1/					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-24	Cadmium	(mg/m3)	Every 6 months	& Allalyseu	Date Sampled	value	Jampies	value	Concentration Limit	Concentration Limit	N/A	Confinents
Dec-24	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-24	Solid Particles	(mg/m3)	Quarterly								N/A	
		(mg/m3)	Every 6 months								N/A	
Dec-24												
Dec-24	Type 1 and Type 2 substances in aggregate		<u> </u>	///								
POINT 12	Boiler number 5 combined exhaust - duct A and E		<u> </u>		"VX837351-2" 03					100 Deverabile	Furnadana	
POINT 12	Boiler number 5 combined exhaust - duct A and E	g (points 4 and 5) marked a	and shown as EPA ID 12 on The Plans	Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance (ves/no)	Comments
	Boiler number 5 combined exhaust - duct A and E	3 (points 4 and 5) marked a	<u> </u>		"VX837351-2" 0: Date Sampled Dec-24					100 Percentile Concentration Limit	Exceedance (yes/no) N/A	Comments
POINT 12	Boiler number 5 combined exhaust - duct A and E	g (points 4 and 5) marked a	and shown as EPA ID 12 on The Plans	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile		(yes/no)	Comments
Month Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3)	and shown as EPA ID 12 on The Plans Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.7%	Date Sampled Dec-24	Lowest Sample Value 351	Mean of Samples 598	Highest Sample Value 797	99 Percentile		(yes/no) N/A	Comments
Month Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.7% 99.7%	Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468	Mean of Samples 598 699	Highest Sample Value 797 916	99 Percentile Concentration Limit		(yes/no) N/A	Comments
Month Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.7% 99.7%	Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468	Mean of Samples 598 699	Highest Sample Value 797 916	99 Percentile Concentration Limit		(yes/no) N/A	Comments
Month Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a	Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND	Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468 3/06/2020 EPA REF	Mean of Samples 598 699	Highest Sample Value 797 916 476695 AND DOC2	99 Percentile Concentration Limit 0/476695-1).	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no)	Comments
Month Dec-24 Dec-24 POINT 13	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2%	Date Sampled Dec-24 Dec-24 "VX837351-2" 03	Lowest Sample Value 351 468 6/06/2020 EPA REFI Lowest Sample Value 275	Mean of Samples 598 699 ERENCE DOC20/	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709	99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Month Dec-24 Dec-24 POINT 13	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a	sand shown as EPA ID 12 on The Plans Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans Sample/Measurement Frequency	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled	Lowest Sample Value 351 468 6/06/2020 EPA REFI Lowest Sample Value	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value	99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no)	
Month Dec-24 Dec-24 POINT 13 Month Dec-24 Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and C Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2%	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468 //06/2020 EPA REFI Lowest Sample Value 275 596	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Month Dec-24 Dec-24 POINT 13 Month Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2%	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468 //06/2020 EPA REFI Lowest Sample Value 275 596	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Month Dec-24 Dec-24 POINT 13 Month Dec-24 Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and C Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2%	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468 //06/2020 EPA REFI Lowest Sample Value 275 596	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Month Dec-24 Dec-24 POINT 13 Month Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and C Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND "VX837351-1 AND "VX837351-1 AND "VX837351-1 AND "VX837351-1 AND "VX837351-1 AND "VX837351-1 AND "	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 Dec-24	Lowest Sample Value 351 468 468 Lowest Sample Value 275 596	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A	
Month Dec-24 Dec-24 POINT 13 Month Dec-24 POINT 13 POINT 14	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and C Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.7% 99.7% 97.7% Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected Samples Collected	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 Dec-24 "VX837351-2" 03	Lowest Sample Value 351 468 //06/2020 EPA REFI Lowest Sample Value 275 596 //06/2020 EPA REFI Lowest Sample	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance	Comments
Month Dec-24 Dec-24 POINT 13 Month Dec-24 POINT 14 Month	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Sample/Measurement Frequency	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected & Analysed	Date Sampled	Lowest Sample Value 351 468 /06/2020 EPA REFI Lowest Sample Value 275 596 /06/2020 EPA REFI Lowest Sample Value 275 405 405 405 405 405 405 405 405 405 40	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 476495 AND DOC2	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Comments
POINT 12 Month Dec 24 Dec 24 POINT 13 Month Dec 24 Dec 24 Dec 24 Dec 24 Month Dec 24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected & Analysed 97.3%	Date Sampled Dec-24 Dec-24 "VX837351-2" 03 Date Sampled Dec-24 "VX837351-2" 03 Date Sampled Dec-24	Lowest Sample Value 351 468 351 468 Lowest Sample Value 275 596 Lowest Sample Value 275 296 Lowest Sample Value 275 296	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples 458	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 704	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
Month	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected 8. Analysed 99.7% 99.7% 99.7% ("VX837351-1 AND Samples Collected 8. Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected 8. Analysed 97.3% 97.3%	Date Sampled Dec-24 Dec-24 Date Sampled Date Sampled Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Date Sampled Dec-24 Dec-24 Dec-24	Lowest Sample Value 351 468 /06/2020 EPA REFI Lowest Sample Value 275 596 /06/2020 EPA REFI Lowest Sample Value 254 514	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples 458 870	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 704 1042	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
Month Dec-24 Dec-24 POINT 13 Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Month Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected & Analysed 97.3% 97.3% 97.3% 97.3% 97.3%	Date Sampled Dec-24 Dec-24 Date Sampled Date Sampled Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Date Sampled Dec-24 Dec-24 Dec-24	Lowest Sample Value 351 468 //06/2020 EPA REFI Lowest Sample Value 275 596 //06/2020 EPA REFI Lowest Sample Value 254 514 03/06/2020 EPA R	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples 458 870	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 709 10404 1042	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	Comments
Month Dec-24 Dec-24 POINT 13 Month Dec-24 POINT 14 Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected 8. Analysed 99.7% 99.7% 99.7% ("VX837351-1 AND Samples Collected 8. Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected 8. Analysed 97.3% 97.3%	Date Sampled Dec-24 Dec-24 Date Sampled Date Sampled Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Date Sampled Dec-24 Dec-24 Dec-24	Lowest Sample Value 351 468 /06/2020 EPA REFI Lowest Sample Value 275 596 /06/2020 EPA REFI Lowest Sample Value 254 514	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples 458 870	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 704 1042	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance	Comments
POINT 12 Month Dec-24 Dec-24 POINT 13 Month Dec-24 POINT 14 Month Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24 Dec-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and E	Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.7% 99.7% ("VX837351-1 AND Samples Collected & Analysed 99.2% 99.2% ("VX837351-1 AND Samples Collected & Analysed 97.3% 97.3% Samples Collected Samples Collected Samples Collected Samples Collected	Date Sampled Dec-24 Dec-24 Date Sampled Date Sampled Dec-24	Lowest Sample Value 351 468 468 1006/2020 EPA REFI Lowest Sample Value 275 596 1006/2020 EPA REFI Lowest Sample Value 254 514 03/06/2020 EPA R Lowest Sample	Mean of Samples 598 699 ERENCE DOC20/ Mean of Samples 543 816 ERENCE DOC20/ Mean of Samples 458 870 EFERENCE DOC20 Mean of Mean of Samples	Highest Sample Value 797 916 476695 AND DOC2 Highest Sample Value 709 1119 476695 AND DOC2 Highest Sample Value 704 1042 0/476695 AND DO	99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	Comments

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).												
				Samples Collected		Lowest Sample	Mean of	Highest Sample	98.5 Percentile	100 Percentile	Exceed 100%		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	Concentration Limit		Limit (yes/no)		
Dec-24	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	3/12/2024	0	0	0		0.2	No		
Dec-24	Copper	(mg/L)	Monthly during discharge	1	3/12/2024	0.003	0.003	0.003		0.005	No		
Dec-24	Iron	(mg/L)	Monthly during discharge	1	3/12/2024	0.08	0.08	0.08		0.3	No		
Dec-24	Oil and Grease	Visible	Continuous during discharge	100%	Dec-24	NIL	NIL	NIL					
Dec-24	Selenium	(mg/L)	Monthly during discharge	1	3/12/2024	0.002	0.002	0.002		0.005	No		
Dec-24	Temperature	(°C)	Continuous during discharge	100%	Dec-24	14.5	31.6	35.9	35	37.5	No	_	

POINT 23	Discharge of supernatant water from the ash dam	to the cooling water out	let canal to Wyee Bay marked and s	hown as EPA ID 23 or	n The Plans ("VX8	37351-1 AND "VX8	337351-2" 03/06	6/2020 EPA REFERE	ENCE DOC20/476695 ANI	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	100 Percentile	Exceedance (yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Monthly during discharge	1	3/12/2024	0.03	0.03	0.03	Concentration Limit	Concentration Limit	(963/110)	Comments
Dec-24	Ammonia	(mg/L)	Monthly during discharge	1	3/12/2024	0.058	0.058	0.058				
Dec-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	3/12/2024	< 0.001	< 0.001	< 0.001				
Dec-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	3/12/2024	0.01	0.01	0.01				
Dec-24	Cadmium	(mg/L)	Monthly during discharge	1	3/12/2024	< 0.0001	< 0.0001	< 0.0001				
Dec-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	3/12/2024	<0.005	<0.005	< 0.005				
Dec-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	3/12/2024	0.01	0.01	0.01				
Dec-24	Copper	(mg/L)	Monthly during discharge	1	3/12/2024	0.001	0.001	0.001				
Dec-24	Iron	(mg/L)	Monthly during discharge	1	3/12/2024	0.04	0.04	0.04				
Dec-24	Lead	(mg/L)	Monthly during discharge	1	3/12/2024	< 0.001	< 0.001	< 0.001				
Dec-24	Manganese	(mg/L)	Monthly during discharge	1	3/12/2024	0.011	0.011	0.011				
Dec-24	Nickel	(mg/L)	Monthly during discharge	1	3/12/2024	< 0.001	<0.001	< 0.001				
Dec-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	3/12/2024	3.209	3.209	3.209				
Dec-24	Nitrogen	(mg/L)	Monthly during discharge	1	3/12/2024	3.3	3.3	3.3				
Dec-24	pH	pH	Monthly during discharge	1	3/12/2024	8.75	8.75	8.75		6.5 - 9.5	No	
Dec-24	Phosphorus	(mg/L)	Monthly during discharge	1	3/12/2024	0.1	0.1	0.1				
Dec-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	3/12/2024	0.07	0.07	0.07				
Dec-24	Selenium	(mg/L)	Monthly during discharge	1	3/12/2024	0.036	0.036	0.036				
Dec-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	3/12/2024	0.1	0.1	0.1				
Dec-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	3/12/2024	10	10	10		50	No	
Dec-24	Vanadium	(mg/L)	Monthly during discharge	1	3/12/2024	0.06	0.06	0.06				
Dec-24	Zinc	(mg/L)	Monthly during discharge	1	3/12/2024	0.033	0.033	0.033				

POINT 24	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	Mean of Samples	Highest Sample	Discharge (yes/no)	100 Percentile	Exceedance (yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Monthly during discharge	1					No		(),,	
Dec-24	Ammonia	(mg/L)	Monthly during discharge	1					No			
Dec-24	Arsenic (III)	(mg/L)	Monthly during discharge	1					No			
Dec-24	Arsenic (V)	(mg/L)	Monthly during discharge	1					No			
Dec-24	Cadmium	(mg/L)	Monthly during discharge	1					No			
Dec-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1					No			
Dec-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1					No			
Dec-24	Copper	(mg/L)	Monthly during discharge	1					No			
Dec-24	Iron	(mg/L)	Monthly during discharge	1					No			
Dec-24	Lead	(mg/L)	Monthly during discharge	1					No			
Dec-24	Manganese	(mg/L)	Monthly during discharge	1					No			No discharge from EPA Point 24 during December 2024
Dec-24	Nickel	(mg/L)	Monthly during discharge	1					No			
Dec-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1					No			
Dec-24	Nitrogen	(mg/L)	Monthly during discharge	1					No			
Dec-24	pH	pH	Monthly during discharge	1					No	6.5 - 9.5	No	
Dec-24	Phosphorus	(mg/L)	Monthly during discharge	1					No			
Dec-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1					No			·
Dec-24	Selenium	(mg/L)	Monthly during discharge	1					No			
Dec-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1					No			·
Dec-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1					No	50	No	·
Dec-24	Vanadium	(mg/L)	Monthly during discharge	1					No			
Dec-24	Zinc	(mg/L)	Monthly during discharge	1					No			<u> </u>

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).

	Sisterian ge or over source water from the ush uni	<u> </u>										
				Samples Collected		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile	Exceedance	
Month	Pollutant		Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value		Concentration Limit	(yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during December 2024
Dec-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5		
Dec-24	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50		
Dec-24	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-24	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

POINT 30	Groundwater quality monitoring bore marked an	d shown as EPA ID 30 on	The Plans ("VX837351-1 AND "VX83	7351-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AN	D DOC20/47669	95-1).				
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-24	Aluminium	(mg/L)	Quarterly									
Dec-24	Ammonia	(mg/L)	Quarterly									
Dec-24	Arsenic (III)	(mg/L)	Quarterly									
Dec-24	Arsenic (V)	(mg/L)	Quarterly									
Dec-24	Cadmium	(mg/L)	Quarterly									
Dec-24	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-24	Copper	(mg/L)	Quarterly									
Dec-24	Electrical Conductivity	(us/cm)	Quarterly									
Dec-24	Iron	(mg/L)	Quarterly									
Dec-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Dec-24	Magnesium	(mg/L)	Quarterly									
Dec-24	Manganese	(mg/L)	Quarterly									
Dec-24	Nickel	(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).

Quarterly

Quarterly

Quarterly

Quarterly

Quarterly

Quarterly

Quarterly

pН

(mg/L)

(mg/L)

(mg/L)

(m)

(mg/L)

(mg/L)

Dec-24

Dec-24

Dec-24

Dec-24

Dec-24

Dec-24

pH Potassium

Selenium

Sodium

Vanadium

Zinc

Standing Water Level

				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Quarterly									
Dec-24	Ammonia	(mg/L)	Quarterly									
Dec-24	Arsenic (III)	(mg/L)	Quarterly									
Dec-24	Arsenic (V)	(mg/L)	Quarterly									
Dec-24	Cadmium	(mg/L)	Quarterly									
Dec-24	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-24	Copper	(mg/L)	Quarterly									
Dec-24	Electrical Conductivity	(us/cm)	Quarterly									
Dec-24	Iron	(mg/L)	Quarterly									
Dec-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Dec-24	Magnesium	(mg/L)	Quarterly									
Dec-24	Manganese	(mg/L)	Quarterly									
Dec-24	Nickel	(mg/L)	Quarterly									
Dec-24	рН	pH	Quarterly									
Dec-24	Potassium	(mg/L)	Quarterly									
Dec-24	Selenium	(mg/L)	Quarterly									
Dec-24	Sodium	(mg/L)	Quarterly									_
Dec-24	Standing Water Level	(m)	Quarterly									
Dec-24	Vanadium	(mg/L)	Quarterly									
Dec-24	Zinc	(mg/L)	Quarterly									

POINT 32	Groundwater quality monitoring	g bore marked and shown as EPA ID 32 on The Plan	s ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

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				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Quarterly									
Dec-24	Ammonia	(mg/L)	Quarterly									
Dec-24	Arsenic (III)	(mg/L)	Quarterly									
Dec-24	Arsenic (V)	(mg/L)	Quarterly									
Dec-24	Cadmium	(mg/L)	Quarterly									
Dec-24	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-24	Copper	(mg/L)	Quarterly									
Dec-24	Electrical Conductivity	(us/cm)	Quarterly									
Dec-24	Iron	(mg/L)	Quarterly									
Dec-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Dec-24	Magnesium	(mg/L)	Quarterly									
Dec-24	Manganese	(mg/L)	Quarterly									
Dec-24	Nickel	(mg/L)	Quarterly									
Dec-24	pH	pН	Quarterly									
Dec-24	Potassium	(mg/L)	Quarterly									
Dec-24	Selenium	(mg/L)	Quarterly									
Dec-24	Sodium	(mg/L)	Quarterly									_
Dec-24	Standing Water Level	(m)	Quarterly									<u> </u>
Dec-24	Vanadium	(mg/L)	Quarterly									
Dec-24	Zinc	(mg/L)	Quarterly									_

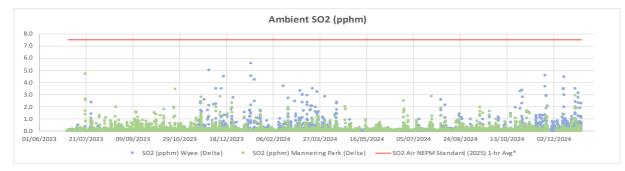
POINT 33 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

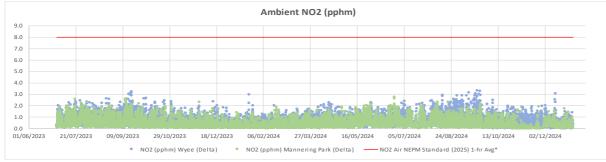
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Quarterly									
Dec-24	Ammonia	(mg/L)	Quarterly									
Dec-24	Arsenic (III)	(mg/L)	Quarterly									
Dec-24	Arsenic (V)	(mg/L)	Quarterly									
Dec-24	Cadmium	(mg/L)	Quarterly									
Dec-24	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-24	Copper	(mg/L)	Quarterly									
Dec-24	Electrical Conductivity	(us/cm)	Quarterly									
Dec-24	Iron	(mg/L)	Quarterly									
Dec-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Dec-24	Magnesium	(mg/L)	Quarterly									
Dec-24	Manganese	(mg/L)	Quarterly									
Dec-24	Nickel	(mg/L)	Quarterly									
Dec-24	pH	рН	Quarterly									
Dec-24	Potassium	(mg/L)	Quarterly									
Dec-24	Selenium	(mg/L)	Quarterly									
Dec-24	Sodium	(mg/L)	Quarterly									
Dec-24	Standing Water Level	(m)	Quarterly									
Dec-24	Vanadium	(mg/L)	Quarterly									
Dec-24	Zinc	(mg/L)	Quarterly									

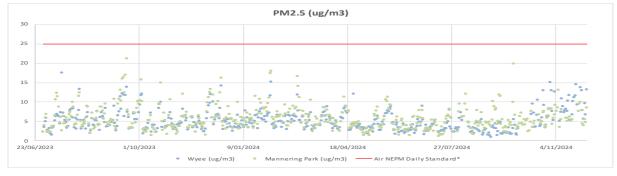
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile	Exceedance (yes/no)	Comments
Dec-24	Aluminium	(mg/L)	Quarterly									
Dec-24	Ammonia	(mg/L)	Quarterly									
Dec-24	Arsenic (III)	(mg/L)	Quarterly									
Dec-24	Arsenic (V)	(mg/L)	Quarterly									
Dec-24	Cadmium	(mg/L)	Quarterly									
Dec-24	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-24	Copper	(mg/L)	Quarterly									
Dec-24	Electrical Conductivity	(us/cm)	Quarterly									
Dec-24	Iron	(mg/L)	Quarterly									Next sample scheduled for January 2025
Dec-24	Lead	(mg/L)	Quarterly									
Dec-24	Magnesium	(mg/L)	Quarterly									
Dec-24	Manganese	(mg/L)	Quarterly									
Dec-24	Nickel	(mg/L)	Quarterly									
Dec-24	pH	pH	Quarterly									
Dec-24	Potassium	(mg/L)	Quarterly									
Dec-24	Selenium	(mg/L)	Quarterly			,						
Dec-24	Sodium	(mg/L)	Quarterly									
Dec-24	Standing Water Level	(m)	Quarterly									
Dec-24	Vanadium	(mg/L)	Quarterly									
Dec-24	7inc	(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.







SENERAL 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