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	October 2024	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points 4	to 7 to Point 1 marked a	nd shown as EPA ID 2 on The Plans ("V	/X837351-1 AND "VX	837351-2" 03/0	6/2020 EPA REFERE	NCE DOC20/47	6695 AND DOC20/	476695-1).			
				Samples Collected	Date Sampled	Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceed 100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Oct-24	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Oct-24	Chlorine	(mg/m3)	Every 6 months							20	No	
Oct-24	Fluorine	(mg/m3)	Every 6 months							30	No	
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Oct-24	Mercury	(mg/m3)	Every 6 months							0.05	No	
										980 (26/10/2022 to		
									850 (26/10/2022 to	28/10/2024)	No	
Oct-24	Nitrogen Oxides	(mg/m3)	Continuous	99.1%	Oct-24	312	602	803	28/10/2024)	800 (from 29/10/24)		803mg/m3 value occurred on 24/10/2024.
Oct-24	Solid Particles	(mg/m3)	Quarterly							50	No	
Oct-24	Sulfur dioxide	(mg/m3)	Continuous	99.1%	Oct-24	687	910	1056	1400	1700	No	
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Oct-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No	

POINT 3														
											Exceed			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	100% Limit			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments		
Oct-24	Cadmium	(mg/m3)	Every 6 months							0.2	No			
Oct-24	Chlorine	(mg/m3)	Every 6 months							20	No			
Oct-24	Fluorine	(mg/m3)	Every 6 months							30	No			
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No			
Oct-24	Mercury	(mg/m3)	Every 6 months							0.05	No			
Oct-24	Nitrogen Oxides	(mg/m3)	Continuous						850	980	No	Unit 6 out of service for entire month of October		
Oct-24	Solid Particles	(mg/m3)	Quarterly							50	No			
Oct-24	Sulfur dioxide	(mg/m3)	Continuous						1400	1700	No			
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No			
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No			
Oct 24	VOC's as a propago oquivalent	(mg/m2)	Eveny 6 months							10	No			

POINT 4	OINT 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-24	Cadmium	(mg/m3)	Every 6 months								N/A			
Oct-24	Carbon dioxide	(%)	Every 6 months								N/A			
Oct-24	Chlorine	(mg/m3)	Every 6 months								N/A			
Oct-24	Fluorine	(mg/m3)	Every 6 months								N/A			
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A			
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A			
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A			
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A			
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A			
Oct-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A			

POINT 5	Boiler number 5 exhaust - duct B marked and show	wn as EPA ID 5 on The Pl	ans ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA RE	FERENCE DOC20/	476695 AND DOC	20/476695-1).					
				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
Oct-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	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).

				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
Oct-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-24	Carbon dioxide	(%)	Every 6 months								N/A	
Oct-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Oct-24	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).

				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
Oct-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	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).

				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
Oct-24	Cadmium	(mg/m3)	Every 6 months	a raidiyaca	Date samplea	value	Samples	Taide	CONCENTRATION ZIMIC	CONCENTRACION ZIMIC	N/A	Comments
Oct-24	Carbon dioxide	(%)	Every 6 months								N/A	
Oct-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Oct-24	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).

				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		Concentration Limit	Concentration Limit		Comments
Oct-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

				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
Oct-24	Cadmium	(mg/m3)	Every 6 months				•				N/A	
Oct-24	Carbon dioxide	(%)	Every 6 months								N/A	
Oct-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Oct-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Oct-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
OINT 11	Boiler number 6 exhaust - duct D marked and sho	own as EPA ID 11 on The F	Plans ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA R	EFERENCE DOC20	/476695 AND DOC	20/476695-1).					
				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
Oct-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Oct-24	Mercury	(mg/m3)	Every 6 months								N/A	
Oct-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Oct-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
OINT 12	Boiler number 5 combined exhaust - duct A and E	3 (points 4 and 5) marked	and shown as EPA ID 12 on The Plans		VX837351-2" 03/					400 Dawaratila		
		3 (points 4 and 5) marked Unit of Measure	and shown as EPA ID 12 on The Plans Sample/Measurement Frequency	("VX837351-1 AND " Samples Collected & Analysed	VX837351-2" 03/	06/2020 EPA REFE Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Month Oct-24	Boiler number 5 combined exhaust - duct A and E			Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile			Comments
Month	Boiler number 5 combined exhaust - duct A and E	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile		(yes/no)	Comments
Month Oct-24 Oct-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 99.1% 99.1%	Date Sampled Oct-24 Oct-24	Lowest Sample Value 322 568	Mean of Samples 622 852	Highest Sample Value 821 1031	99 Percentile Concentration Limit		(yes/no) N/A	Comments
Month Oct-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 99.1% 99.1%	Date Sampled Oct-24 Oct-24	Lowest Sample Value 322 568	Mean of Samples 622 852	Highest Sample Value 821 1031	99 Percentile Concentration Limit		(yes/no) N/A	Comments
Month Oct-24 Oct-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 99.1% 99.1% "VX837351-1 AND "N	Date Sampled Oct-24 Oct-24	Lowest Sample Value 322 568 06/2020 EPA REFER	Mean of Samples 622 852 RENCE DOC20/4	Highest Sample Value 821 1031 76695 AND DOC20	99 Percentile Concentration Limit /476695-1).	Concentration Limit	(yes/no) N/A N/A	Comments
Month Oct-24 Oct-24 Oct-24	Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected	Date Sampled Oct-24 Oct-24 VX837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFER Lowest Sample	Mean of Samples 622 852 RENCE DOC20/4	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample	99 Percentile Concentration Limit /476695-1). 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A N/A	
Month Oct-24 Oct-24 OINT 13	Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) marked Unit of Measure	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed	Oct-24 Oct-24 Oct-24 /X837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFER Lowest Sample Value	Mean of Samples 622 852 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value	99 Percentile Concentration Limit /476695-1).	Concentration Limit	(yes/no) N/A N/A N/A Exceedance (yes/no)	Comments
Month Oct-24 Oct-24 Oct-13 Month Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "V Samples Collected & Analysed 99.1%	Date Sampled Oct-24 Oct-24 //X837351-2" 03/ Date Sampled Oct-24	Lowest Sample Value 322 568 06/2020 EPA REFEE Lowest Sample Value 302	Mean of Samples 622 852 RENCE DOC20/4 Mean of Samples 581	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818	99 Percentile Concentration Limit /476695-1). 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A	
Month Oct-24 Oct-24 OINT 13 Month Oct-24	Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) marked Unit of Measure	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed	Oct-24 Oct-24 Oct-24 /X837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFER Lowest Sample Value	Mean of Samples 622 852 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value	99 Percentile Concentration Limit /476695-1). 99 Percentile	Concentration Limit 100 Percentile	(yes/no) N/A N/A N/A Exceedance (yes/no)	
Month Oct-24 Oct-24 OINT 13 Month Oct-24 Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "V Samples Collected & Analysed 99.1% 99.1%	Date Sampled	Lowest Sample Value 322 568 D6/2020 EPA REFER Lowest Sample Value 302 770	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A	
Month Oct-24 Oct-24 OINT 13 Month Oct-24 Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "V Samples Collected & Analysed 99.1% 99.1%	Date Sampled	Lowest Sample Value 322 568 D6/2020 EPA REFER Lowest Sample Value 302 770	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A	
Month Oct-24 Oct-24 OINT 13 Month Oct-24 Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "V Samples Collected & Analysed 99.1% 99.1%	Date Sampled	Lowest Sample Value 322 568 D6/2020 EPA REFER Lowest Sample Value 302 770	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A	
Month Oct-24 Oct-24 OINT 13 Month Oct-24 Oct-24 OINT 14	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ "VX837351-1 AND "\	Date Sampled	Lowest Sample Value 322 568 06/2020 EPA REFEE Lowest Sample Value 302 770 06/2020 EPA REFEE	Mean of Samples 622 852 RENCE DOC20/4 Mean of Samples 581 969	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20	99 Percentile Concentration Limit /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 Oct-24 Oct-24 OINT 13 Month Oct-24 Oct-24 OINT 14 Month	Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected	Date Sampled Oct-24 Oct-24 //X837351-2" 03/ Date Sampled Oct-24 Oct-24 //X837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFEF Lowest Sample Value 302 770 06/2020 EPA REFEF Lowest Sample	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /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 Oct-24 Oct-24 Oct-27 DINT 13 Month Oct-24 Oct-24 DINT 14 Month Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked Unit of Measure	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected	Date Sampled Oct-24 Oct-24 //X837351-2" 03/ Date Sampled Oct-24 Oct-24 //X837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFEF Lowest Sample Value 302 770 06/2020 EPA REFEF Lowest Sample	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /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
Month Oct-24 Oct-24 Oct-24 Oct-24 Oct-24 Oct-24 Oct-24 Oct-24 OINT 14 Month Oct-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected	Date Sampled Oct-24 Oct-24 //X837351-2" 03/ Date Sampled Oct-24 Oct-24 //X837351-2" 03/	Lowest Sample Value 322 568 06/2020 EPA REFEF Lowest Sample Value 302 770 06/2020 EPA REFEF Lowest Sample	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
Month Oct-24	Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (spoints 8 and 9) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ "VX837351-1 AND "\ Samples Collected & Analysed	Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled	Lowest Sample Value 322 568 06/2020 EPA REFEE Lowest Sample Value 302 770 06/2020 EPA REFEE Lowest Sample Value	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample Value Value Value Value	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	Comments
Month Oct-24 Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Suffur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Suffur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (spoints 8 and 9) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% 'VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% 'VX837351-1 AND "\ Samples Collected & Analysed 15 ("VX837351-1 AND "\ 15 ("VX837351-1 AND "\ 16 ("VX837351-1 AND "\	Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled	Lowest Sample Value 322 568 06/2020 EPA REFER Value 302 770 06/2020 EPA REFER Value Sologo EPA REFER Value ABORDO EPA REFER Value Sologo EPA REFER Value	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample Value Value Value Value Value Value Value Value Value	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /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 Oct-24 Oct-24 OINT 13 Month Oct-24 OCT-24 OINT 14 Month Oct-24 OCT-24 OCT-24 OCT-24 OCT-24 OCT-24 OCT-24	Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C 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	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (mg/m3) (points 8 and 9) marked Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous and shownas EPA ID 13 on The Plans (Continuous Continuous Continuous Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% "VX837351-1 AND "\ Samples Collected & Analysed 99.1% "VX837351-1 AND "\ "VX837351-1 AND "\ Samples Collected & Analysed standard Samples Collected Samples Collected Samples Collected	Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled "VX837351-2" 0	Lowest Sample Value 322 568 06/2020 EPA REFEE Lowest Sample Value 302 770 06/2020 EPA REFEE Lowest Sample Value Lowest Sample Value Lowest Sample Value	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample Value Value Value Value Highest Sample Value Value	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /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 Exceedance	Comments
Month Oct-24	Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Suffur dioxide Boiler number 6 combined exhaust - duct A and E Pollutant Nitrogen Oxides Suffur dioxide	Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked Unit of Measure (mg/m3) (mg/m3) (spoints 8 and 9) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous and shownas EPA ID 13 on The Plans (Sample/Measurement Frequency Continuous and shownas EPA ID 14 on The Plans (Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.1% 99.1% 'VX837351-1 AND "\ Samples Collected & Analysed 99.1% 99.1% 'VX837351-1 AND "\ Samples Collected & Analysed 15 ("VX837351-1 AND "\ 15 ("VX837351-1 AND "\ 16 ("VX837351-1 AND "\	Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled Oct-24 Oct-24 /X837351-2" 03/ Date Sampled	Lowest Sample Value 322 568 06/2020 EPA REFER Value 302 770 06/2020 EPA REFER Value Sologo EPA REFER Value ABORDO EPA REFER Value Sologo EPA REFER Value	Mean of Samples 622 852 852 RENCE DOC20/4 Mean of Samples 581 969 RENCE DOC20/4 Mean of Samples	Highest Sample Value 821 1031 76695 AND DOC20 Highest Sample Value 818 1131 76695 AND DOC20 Highest Sample Value Value Value Value Value Value Value Value Value	99 Percentile Concentration Limit /476695-1). 99 Percentile Concentration Limit /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).												
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-24	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	8/10/2024	0	0	0		0.2	No		
Oct-24	Copper	(mg/L)	Monthly during discharge	1	8/10/2024	<0.002	<0.002	<0.002		0.005	No		
Oct-24	Iron	(mg/L)	Monthly during discharge	1	8/10/2024	0.07	0.07	0.07		0.3	No		
Oct-24	Oil and Grease	Visible	Continuous during discharge	100%	Oct-24	NIL	NIL	NIL					
Oct-24	Selenium	(mg/L)	Monthly during discharge	1	8/10/2024	0.002	0.002	0.002		0.005	No		
Oct-24	Temperature	(°C)	Continuous during discharge	100%	Oct-24	19.1	27.6	31.4	35	37.5	No		

POINT 23	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).													
				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		
Oct-24	Aluminium	(mg/L)	Monthly during discharge	1	8/10/2024	0.05	0.05	0.05						
Oct-24	Ammonia	(mg/L)	Monthly during discharge	1	8/10/2024	0.062	0.062	0.062						
Oct-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	8/10/2024	< 0.001	< 0.001	< 0.001						
Oct-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	8/10/2024	0.01	0.01	0.01						
Oct-24	Cadmium	(mg/L)	Monthly during discharge	1	8/10/2024	< 0.0002	< 0.0002	< 0.0002						
Oct-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	8/10/2024	0.007	0.007	0.007						
Oct-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	8/10/2024	0.01	0.01	0.01						
Oct-24	Copper	(mg/L)	Monthly during discharge	1	8/10/2024	0.006	0.006	0.006						
Oct-24	Iron	(mg/L)	Monthly during discharge	1	8/10/2024	0.2	0.2	0.2						
Oct-24	Lead	(mg/L)	Monthly during discharge	1	8/10/2024	0.004	0.004	0.004						
Oct-24	Manganese	(mg/L)	Monthly during discharge	1	8/10/2024	0.007	0.007	0.007						
Oct-24	Nickel	(mg/L)	Monthly during discharge	1	8/10/2024	< 0.002	<0.002	<0.002						
Oct-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	8/10/2024	0.036	0.036	0.036						
Oct-24	Nitrogen	(mg/L)	Monthly during discharge	1	8/10/2024	0.3	0.3	0.3						
Oct-24	pH	pH	Monthly during discharge	1	8/10/2024	9.04	9.04	9.04		6.5 - 9.5	No			
Oct-24	Phosphorus	(mg/L)	Monthly during discharge	1	8/10/2024	0.1	0.1	0.1						
Oct-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	8/10/2024	0.08	0.08	0.08						
Oct-24	Selenium	(mg/L)	Monthly during discharge	1	8/10/2024	0.043	0.043	0.043						
Oct-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	8/10/2024	0.2	0.2	0.2						
Oct-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	8/10/2024	9	9	9		50	No			
Oct-24	Vanadium	(mg/L)	Monthly during discharge	1	8/10/2024	0.11	0.11	0.11						
Oct-24	Zinc	(mg/L)	Monthly during discharge	1	8/10/2024	0.045	0.045	0.045						

POINT 24	Discharge of seepage water from the ash dar	m rehabilitation area to Mann	ering Bay marked and shown as EPA I	D 24 on The Plans ("\	/X837351-1 AND	"VX837351-2" 03/	06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC20/476	695-1).		
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-24	Aluminium	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Ammonia	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Cadmium	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Copper	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Iron	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Lead	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Manganese	(mg/L)	Monthly during discharge	1	8/10/2024				No			No discharge from EPA Point 24 during October 2024
Oct-24	Nickel	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Nitrogen	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	pH	pH	Monthly during discharge	1	8/10/2024				No	6.5 - 9.5	No	
Oct-24	Phosphorus	(mg/L)	Monthly during discharge	1	8/10/2024				No			
Oct-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	8/10/2024				No			<u> </u>
Oct-24	Selenium	(mg/L)	Monthly during discharge	1	8/10/2024				No			<u> </u>
Oct-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	8/10/2024				No			<u> </u>
Oct-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	8/10/2024				No	50	No	<u> </u>
Oct-24	Vanadium	(mg/L)	Monthly during discharge	1	8/10/2024				No			<u> </u>
Oct-24	Zinc	(mg/L)	Monthly during discharge	1	8/10/2024				No			

POINT 25	Discharge of over boarded water from the ash dar	m to Mannering Bay mar	ked and shown as EPA ID 25 on The P	lans ("VX837351-1 Al	ND "VX837351-2"	03/06/2020 EPA I	REFERENCE DOC	20/476695 AND DO	OC20/476695-1).			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Discharge (yes/110)	Concentration Limit	(yes/no)	Comments
Oct-24	Aluminium	(mg/L)	Daily for any discharge >2 hrs	•			•		No		.,	
Oct-24	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during October 2024
Oct-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5		
Oct-24	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50		
Oct-24	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-24	Zinc	(mg/L)	Daily for any discharge >2 hrs						No	·		

POINT 30	Groundwater quality monitoring bore mark	ed and shown as EPA ID 30 on	The Plans ("VX837351-1 AND "VX837	351-2" 03/06/2020 E	PA REFERENCE D	OC20/476695 AND	DOC20/476695	i-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-24	Aluminium	(mg/L)	Quarterly	1	8/10/2024	2.00	2.00	2.00				
Oct-24	Ammonia	(mg/L)	Quarterly	1	8/10/2024	3.0	3.0	3.0				
Oct-24	Arsenic (III)	(mg/L)	Quarterly	1	8/10/2024	0.004	0.004	0.004				
Oct-24	Arsenic (V)	(mg/L)	Quarterly	1	8/10/2024	0.005	0.005	0.005				
Oct-24	Cadmium	(mg/L)	Quarterly	1	8/10/2024	<0.0001	< 0.0001	< 0.0001				
Oct-24	Chromium (trivalent)	(mg/L)	Quarterly	1	8/10/2024	< 0.005	< 0.005	< 0.005				
Oct-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	8/10/2024	<0.005	<0.005	< 0.005				
Oct-24	Copper	(mg/L)	Quarterly	1	8/10/2024	0.014	0.014	0.014				
Oct-24	Electrical Conductivity	(us/cm)	Quarterly	1	8/10/2024	257.1	257.1	257.1				
Oct-24	Iron	(mg/L)	Quarterly	1	8/10/2024	81.0	81.0	81.0				
Oct-24	Lead	(mg/L)	Quarterly	1	8/10/2024	0.004	0.004	0.004				Next sample scheduled for January 2025
Oct-24	Magnesium	(mg/L)	Quarterly	1	8/10/2024	810	810	810				
Oct-24	Manganese	(mg/L)	Quarterly	1	8/10/2024	4.5	4.5	4.5				
Oct-24	Nickel	(mg/L)	Quarterly	1	8/10/2024	0.042	0.042	0.042				
Oct-24	pH	pH	Quarterly	1	8/10/2024	6.14	6.14	6.14				
Oct-24	Potassium	(mg/L)	Quarterly	1	8/10/2024	110	110	110				
Oct-24	Selenium	(mg/L)	Quarterly	1	8/10/2024	<0.001	< 0.001	< 0.001				·
Oct-24	Sodium	(mg/L)	Quarterly	1	8/10/2024	6800	6800	6800				
Oct-24	Standing Water Level	(m)	Quarterly	1	8/10/2024	3.85	3.85	3.85				
Oct-24	Vanadium	(mg/L)	Quarterly	1	8/10/2024	0.006	0.006	0.006				
Oct-24	Zinc	(mg/L)	Quarterly	1	8/10/2024	0.110	0.110	0.110				

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-24	Aluminium	(mg/L)	Quarterly	1	8/10/2024	1.30	1.30	1.30				
Oct-24	Ammonia	(mg/L)	Quarterly	1	8/10/2024	0.24	0.24	0.24				
Oct-24	Arsenic (III)	(mg/L)	Quarterly	1	8/10/2024	0.002	0.002	0.002				
Oct-24	Arsenic (V)	(mg/L)	Quarterly	1	8/10/2024	0.001	0.001	0.001				
Oct-24	Cadmium	(mg/L)	Quarterly	1	8/10/2024	< 0.0001	< 0.0001	< 0.0001				
Oct-24	Chromium (trivalent)	(mg/L)	Quarterly	1	8/10/2024	< 0.005	< 0.005	< 0.005				
Oct-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	8/10/2024	<0.005	< 0.005	< 0.005				
Oct-24	Copper	(mg/L)	Quarterly	1	8/10/2024	0.015	0.015	0.015				
Oct-24	Electrical Conductivity	(us/cm)	Quarterly	1	8/10/2024	12263	12263	12263				
Oct-24	Iron	(mg/L)	Quarterly	1	8/10/2024	92	92	92				
Oct-24	Lead	(mg/L)	Quarterly	1	8/10/2024	0.007	0.007	0.007				Next sample scheduled for January 2025
Oct-24	Magnesium	(mg/L)	Quarterly	1	8/10/2024	310	310	310				
Oct-24	Manganese	(mg/L)	Quarterly	1	8/10/2024	1.5	1.5	1.5				
Oct-24	Nickel	(mg/L)	Quarterly	1	8/10/2024	0.061	0.061	0.061				
Oct-24	pH	pH	Quarterly	1	8/10/2024	5.48	5.48	5.48				
Oct-24	Potassium	(mg/L)	Quarterly	1	8/10/2024	22.0	22.0	22.0				
Oct-24	Selenium	(mg/L)	Quarterly	1	8/10/2024	0.003	0.003	0.003				
Oct-24	Sodium	(mg/L)	Quarterly	1	8/10/2024	2300	2300	2300				
Oct-24	Standing Water Level	(m)	Quarterly	1	8/10/2024	1.65	1.65	1.65				
Oct-24	Vanadium	(mg/L)	Quarterly	1	8/10/2024	0.004	0.004	0.004				
Oct-24	Zinc	(mg/L)	Quarterly	1	8/10/2024	0.75	0.75	0.75				·

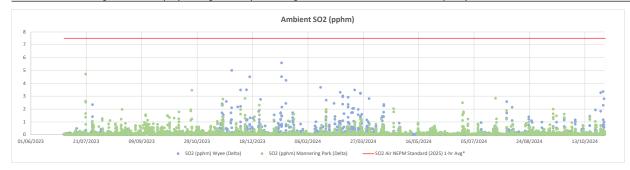
POINT 32	Groundwater quality monitoring bore mark	ed and shown as EPA ID 32 on	The Plans ("VX837351-1 AND "VX837	351-2" 03/06/2020 E	PA REFERENCE D	OC20/476695 AND	DOC20/476695	-1).				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Oct-24	Aluminium	(mg/L)	Quarterly	1	8/10/2024	1.50	1.50	1.50				
Oct-24	Ammonia	(mg/L)	Quarterly	1	8/10/2024	0.04	0.04	0.04				
Oct-24	Arsenic (III)	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001				
Oct-24	Arsenic (V)	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001				
Oct-24	Cadmium	(mg/L)	Quarterly	1	8/10/2024	<0.0001	< 0.0001	< 0.0001				
Oct-24	Chromium (trivalent)	(mg/L)	Quarterly	1	8/10/2024	< 0.005	<0.005	<0.005				
Oct-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	8/10/2024	<0.005	<0.005	<0.005				
Oct-24	Copper	(mg/L)	Quarterly	1	8/10/2024	0.005	0.005	0.005				
Oct-24	Electrical Conductivity	(us/cm)	Quarterly	1	8/10/2024	746	746	746				
Oct-24	Iron	(mg/L)	Quarterly	1	8/10/2024	12	12	12				
Oct-24	Lead	(mg/L)	Quarterly	1	8/10/2024	0.003	0.003	0.003				Next sample scheduled for January 2025
Oct-24	Magnesium	(mg/L)	Quarterly	1	8/10/2024	12	12	12				
Oct-24	Manganese	(mg/L)	Quarterly	1	8/10/2024	0.110	0.110	0.110				
Oct-24	Nickel	(mg/L)	Quarterly	1	8/10/2024	0.017	0.017	0.017				
Oct-24	pH	pH	Quarterly	1	8/10/2024	6.05	6.05	6.05				
Oct-24	Potassium	(mg/L)	Quarterly	1	8/10/2024	3.0	3.0	3.0				
Oct-24	Selenium	(mg/L)	Quarterly	1	8/10/2024	<0.001	< 0.001	< 0.001	·			·
Oct-24	Sodium	(mg/L)	Quarterly	1	8/10/2024	100	100	100				
Oct-24	Standing Water Level	(m)	Quarterly	1	8/10/2024	3.70	3.70	3.70				
Oct-24	Vanadium	(mg/L)	Quarterly	1	8/10/2024	0.003	0.003	0.003				
Oct-24	Zinc	(mg/L)	Quarterly	1	8/10/2024	0.028	0.028	0.028				

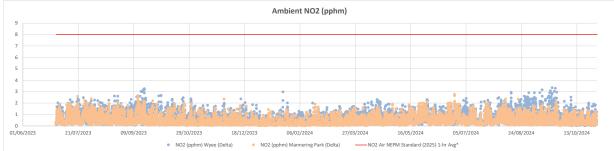
POINT 33	Groundwater quality monitoring bore marked and	shown as EPA ID 33 on	The Plans ("VX837351-1 AND "VX8373	351-2" 03/06/2020 E	PA REFERENCE D	OC20/476695 AND	DOC20/476695	-1).				
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Oct-24	Aluminium	(mg/L)	Quarterly	1	8/10/2024	0.62	0.62	0.62				
Oct-24	Ammonia	(mg/L)	Quarterly	1	8/10/2024	<0.005	<0.005	<0.005				
Oct-24	Arsenic (III)	(mg/L)	Quarterly	1	8/10/2024	<0.001	<0.001	<0.001				
Oct-24	Arsenic (V)	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001				
Oct-24	Cadmium	(mg/L)	Quarterly	1	8/10/2024	0.0001	0.0001	0.0001				
Oct-24	Chromium (trivalent)	(mg/L)	Quarterly	1	8/10/2024	<0.005	<0.005	< 0.005				
Oct-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	8/10/2024	<0.005	<0.005	<0.005				
Oct-24	Copper	(mg/L)	Quarterly	1	8/10/2024	0.003	0.003	0.003				
Oct-24	Electrical Conductivity	(us/cm)	Quarterly	1	8/10/2024	44322	44322	44322				
Oct-24	Iron	(mg/L)	Quarterly	1	8/10/2024	48	48	48				
Oct-24	Lead	(mg/L)	Quarterly	1	8/10/2024	0.001	0.001	0.001				Next sample scheduled for January 2025
Oct-24	Magnesium	(mg/L)	Quarterly	1	8/10/2024	1200	1200	1200				
Oct-24	Manganese	(mg/L)	Quarterly	1	8/10/2024	0.41	0.41	0.41				
Oct-24	Nickel	(mg/L)	Quarterly	1	8/10/2024	0.032	0.032	0.032				
Oct-24	pH	pH	Quarterly	1	8/10/2024	6.67	6.67	6.67				
Oct-24	Potassium	(mg/L)	Quarterly	1	8/10/2024	360	360	360				
Oct-24	Selenium	(mg/L)	Quarterly	1	8/10/2024	0.001	0.001	0.001				
Oct-24	Sodium	(mg/L)	Quarterly	1	8/10/2024	11000	11000	11000				
Oct-24	Standing Water Level	(m)	Quarterly	1	8/10/2024	0.50	0.50	0.50				
Oct-24	Vanadium	(mg/L)	Quarterly	1	8/10/2024	0.006	0.006	0.006				
Oct-24	Zinc	(mg/L)	Quarterly	1	8/10/2024	0.077	0.077	0.077				

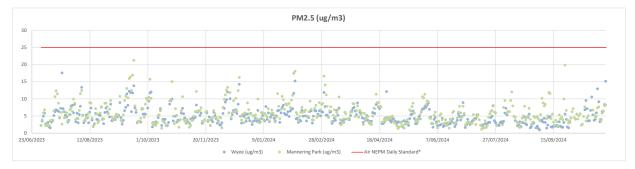
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples Collected		Lowest Sample	Mean of	Highest Sample		100 Percentile	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments	
Oct-24	Aluminium	(mg/L)	Quarterly	1	8/10/2024	1.2	1.2	1.2					
Oct-24	Ammonia	(mg/L)	Quarterly	1	8/10/2024	0.016	0.016	0.016					
Oct-24	Arsenic (III)	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001					
Oct-24	Arsenic (V)	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001					
Oct-24	Cadmium	(mg/L)	Quarterly	1	8/10/2024	< 0.0001	< 0.0001	< 0.0001					
Oct-24	Chromium (trivalent)	(mg/L)	Quarterly	1	8/10/2024	< 0.005	< 0.005	< 0.005					
Oct-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	8/10/2024	<0.005	< 0.005	< 0.005					
Oct-24	Copper	(mg/L)	Quarterly	1	8/10/2024	0.007	0.007	0.007					
Oct-24	Electrical Conductivity	(us/cm)	Quarterly	1	8/10/2024	142	142	142					
Oct-24	Iron	(mg/L)	Quarterly	1	8/10/2024	8.1	8.1	8.1				Next sample scheduled for January 2025	
Oct-24	Lead	(mg/L)	Quarterly	1	8/10/2024	0.004	0.004	0.004					
Oct-24	Magnesium	(mg/L)	Quarterly	1	8/10/2024	8.5	8.5	8.5					
Oct-24	Manganese	(mg/L)	Quarterly	1	8/10/2024	0.081	0.081	0.081					
Oct-24	Nickel	(mg/L)	Quarterly	1	8/10/2024	0.015	0.015	0.015					
Oct-24	pH	pH	Quarterly	1	8/10/2024	5.22	5.22	5.22					
Oct-24	Potassium	(mg/L)	Quarterly	1	8/10/2024	3	3	3					
Oct-24	Selenium	(mg/L)	Quarterly	1	8/10/2024	< 0.001	< 0.001	< 0.001					
Oct-24	Sodium	(mg/L)	Quarterly	1	8/10/2024	100	100	100					
Oct-24	Standing Water Level	(m)	Quarterly	1	8/10/2024	0.55	0.55	0.55					
Oct-24	Vanadium	(mg/L)	Quarterly	1	8/10/2024	0.022	0.022	0.022					
Oct-24	Zinc	(mg/L)	Quarterly	1	8/10/2024	0.079	0.079	0.079					

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