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	November 2024	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
											Exceed		
				Samples Collected	Date Sampled	Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	100% Limit		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments	
Nov-24	Cadmium	(mg/m3)	Every 6 months							0.2	No		
Nov-24	Chlorine	(mg/m3)	Every 6 months							20	No		
Nov-24	Fluorine	(mg/m3)	Every 6 months							30	No		
Nov-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No		
Nov-24	Mercury	(mg/m3)	Every 6 months							0.05	No		
Nov-24	Nitrogen Oxides	(mg/m3)	Continuous	99.2%	Nov-24	327	589	733			No	Clean Air Reg Limit 800mg/m3	
Nov-24	Solid Particles	(mg/m3)	Quarterly							50	No		
Nov-24	Sulfur dioxide	(mg/m3)	Continuous	99.2%	Nov-24	427	862	1004	1400	1700	No		
Nov-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No		
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No		
Nov-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No		

POINT 3	T 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 DOC20/476695-1).												
Month	D.W			Samples Collected	Data Canadad	Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceed 100% Limit	A	
	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments	
Nov-24	Cadmium	(mg/m3)	Every 6 months							0.2	No		
Nov-24	Chlorine	(mg/m3)	Every 6 months							20	No		
Nov-24	Fluorine	(mg/m3)	Every 6 months							30	No		
Nov-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No		
Nov-24	Mercury	(mg/m3)	Every 6 months							0.05	No		
Nov-24	Nitrogen Oxides	(mg/m3)	Continuous								No	Unit 6 out of service for entire month of November 2024	
Nov-24	Solid Particles	(mg/m3)	Quarterly							50	No		
Nov-24	Sulfur dioxide	(mg/m3)	Continuous						1400	1700	No		
Nov-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No		
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No		
Nov-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).												
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
Nov-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Nov-24	Carbon dioxide	(%)	Every 6 months								N/A	
Nov-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Nov-24	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Nov-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT 5	Boiler number 5 exhaust - duct B marked and sho	own as EPA ID 5 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	70095 AND DUCZU						
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
Nov-24	Cadmium	(mg/m3)	Every 6 months	& Analyseu	Date Jampieu	value	Janipies	value	Concentration Limit	Concentration Limit	N/A	Comments
Nov-24	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
1404-24	Type I and Type 2 substances in aggregate	(1118/1113)	Every o months	l		l l					14/7	
POINT 6	Boiler number 5 exhaust - duct C marked and sho	own as EPA ID 6 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	0/476695-1).					
							,					
				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
Nov-24	Cadmium	(mg/m3)	Every 6 months	,							N/A	
Nov-24	Carbon dioxide	(%)	Every 6 months								N/A	
Nov-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Nov-24	Mercury	(mg/m3)	Every 6 months				•				N/A	
Nov-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Nov-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
84aa4b	Dellistent	Unit of Manager	Samuela /Management Francisco	Samples Collected	Data Samulad	Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	Commando
Month	Pollutant Cadmium	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no) N/A	Comments
Nov-24 Nov-24	Mercury	(mg/m3) (mg/m3)	Every 6 months Every 6 months								N/A	
Nov-24	Solid Particles	(mg/m3)	Quarterly			+					N/A	
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
1404-24	Type I and Type 2 substances in aggregate	(1118/1113)	Every o months	l		l l					N/A	
POINT 8	Boiler number 6 exhaust - duct A marked and sho	own as EPA ID 8 on The Pla	ins ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	176695 AND DOC20	0/476695-1).					
				l			-,					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
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
Month Nov-24	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months		Date Sampled							Comments
					Date Sampled						(yes/no)	Comments
Nov-24	Cadmium	(mg/m3)	Every 6 months		Date Sampled						(yes/no) N/A	Comments
Nov-24 Nov-24	Cadmium Carbon dioxide	(mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Every 6 months		Date Sampled						(yes/no) N/A N/A	Comments
Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine	(mg/m3) (%)	Every 6 months Every 6 months		Date Sampled						(yes/no) N/A N/A N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine	(mg/m3) (%) (mg/m3) (mg/m3)	Every 6 months		Date Sampled						(yes/no) N/A N/A N/A N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3)	Every 6 months		Date Sampled						(yes/no) N/A N/A N/A N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mørcrury	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months		Date Sampled						(yes/no)	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Quarterly		Date Sampled						(yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03)	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months		Date Sampled						(yes/no) N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	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	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Quarterly Every 6 months Every 6 months		Date Sampled						(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	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	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Quarterly Every 6 months Every 6 months Every 6 months	& Analysed		Value	Samples				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuria caid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Quarterly Every 6 months Every 6 months Every 6 months	& Analysed		Value	Samples				(yes/no) N/A N/A N/A N/A N/A N/A N/A N/	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuria caid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	(mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Quarterly Every 6 months Every 6 months Every 6 months	& Analysed & Analysed		Value	Samples 0/476695-1).	Value	Concentration Limit	Concentration Limit	(yes/no) N/A	Comments
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 POINT 9	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 8 marked and sho	(mg/m3) (%) (mg/m3)	Every 6 months Quarterly Every 6 months	& Analysed & Analysed 03/06/2020 EPA REF	ERENCE DOC20/4	Value 76695 AND DOC2 Lowest Sample	Samples 0/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	(yes/no) N/A	
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	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	(mg/m3) (%) (mg/m3) Unit of Measure	Every 6 months Quarterly Every 6 months	& Analysed & Analysed 03/06/2020 EPA REF	ERENCE DOC20/4	Value 76695 AND DOC2 Lowest Sample	Samples 0/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	(yes/no) N/A	
Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24 Nov-24	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 Pollutant Cadmium	(mg/m3) (%) (mg/m3)	Every 6 months Quarterly Every 6 months	& Analysed & Analysed 03/06/2020 EPA REF	ERENCE DOC20/4	Value 76695 AND DOC2 Lowest Sample	Samples 0/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	(yes/no) N/A	

N/A

Nov-24 Type 1 and Type 2 substances in aggregate

(mg/m3)

Every 6 months

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
Nov-24	Cadmium	(mg/m3)	Every 6 months	& Analyseu	Date Jampieu	value	Janipies	Value	Concentration Limit	Concentration Limit	N/A	Comments
Nov-24	Carbon dioxide	(%)	Every 6 months								N/A	
Nov-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Nov-24	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Nov-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Nov-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
1107 24	roes as it proparie equivalent	(1118/1113)	Every o moners								,	
POINT 11	Boiler number 6 exhaust - duct D marked and sho	own as EPA ID 11 on The P	lans ("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
Nov-24	Cadmium	(mg/m3)	Every 6 months	C. Allary Sea	Date Jampiea	Value	Sumples	Vuiuc	CONCENTIATION ENTIRE	CONCENTRACION EMINE	N/A	comments
Nov-24	Mercury	(mg/m3)	Every 6 months								N/A	
_	Solid Particles	(mg/m3)	Quarterly								N/A	
Nov-24 Nov-24 POINT 12	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E	(mg/m3)	Every 6 months and shown as EPA ID 12 on The Plans ((X837351-2" 03/0						N/A	
	Type 1 and Type 2 substances in aggregate	(mg/m3)	<u>'</u>	"VX837351-1 AND "V Samples Collected & Analysed	(X837351-2" 03/0	06/2020 EPA REFER Lowest Sample Value	Mean of Samples	76695 AND DOC20, Highest Sample Value	(476695-1). 99 Percentile Concentration Limit	100 Percentile	N/A Exceedance (yes/no)	Comments
Nov-24 POINT 12	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E	(mg/m3)	and shown as EPA ID 12 on The Plans (Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile		Exceedance	Comments
Nov-24 POINT 12 Month	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant	(mg/m3) (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		Exceedance (yes/no)	Comments
POINT 12 Month Nov-24	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3)	sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 99.2% 99.2%	Date Sampled Nov-24 Nov-24	Lowest Sample Value 228 321	Mean of Samples 603 771	Highest Sample Value 826 949	99 Percentile Concentration Limit		Exceedance (yes/no) N/A	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and E	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a	Sample/Measurement Frequency Continuous Continuous and shownas EPA ID 13 on The Plans ("	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected	Date Sampled Nov-24 Nov-24 X837351-2" 03/0	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample	Mean of Samples 603 771 ENCE DOC20/47	Highest Sample Value 826 949 (6695 AND DOC20/	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A N/A	
Month Nov-24 Nov-24 Nov-24 POINT 13	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	(mg/m3) I (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) I (points 6 and 7) marked a Unit of Measure	and 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 99.2% 99.2% 'VX837351-1 AND "V: Samples Collected & Analysed	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples	Highest Sample Value 826 949 76695 AND DOC20/ Highest Sample Value	99 Percentile Concentration Limit 476695-1).	Concentration Limit	Exceedance (yes/no) N/A N/A	Comments
Month Nov-24 Nov-24 Nov-24 Nov-13 Month Nov-24 Nov-24	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides	(mg/m3) (points 4 and 5) marked i: Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked i: Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sand shown as EPA ID 13 on The Plans (** Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2%	Date Sampled Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575	Highest Sample Value 826 949 6695 AND DOC20/ Highest Sample Value 706	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	
Month Nov-24 Nov-24 Nov-24 POINT 13	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	(mg/m3) I (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) I (points 6 and 7) marked a Unit of Measure	and 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 99.2% 99.2% 'VX837351-1 AND "V: Samples Collected & Analysed	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples	Highest Sample Value 826 949 76695 AND DOC20/ Highest Sample Value	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A N/A	
Month Nov-24 Nov-24 Nov-24 Nov-13 Month Nov-24 Nov-24	Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and E Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and E Pollutant Nitrogen Oxides	(mg/m3) I (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shown as EPA ID 12 on The Plans (" Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% 99.2%	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24 Nov-24	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575 953	Highest Sample Value 826 949 G695 AND DOC20/ Highest Sample Value 706 1170	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 Nov-24	Type 1 and Type 2 substances in aggregate 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	(mg/m3) I (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous and shown as EPA ID 12 on The Plans (" Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% 99.2%	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24 Nov-24	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575 953	Highest Sample Value 826 949 G695 AND DOC20/ Highest Sample Value 706 1170	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A	
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 Nov-24 Nov-24 Month Month	Type 1 and Type 2 substances in aggregate 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 Pollutant	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V Samples Collected & Analysed 99.2% VX837351-1 AND "V VX837351-1 AND "V	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24 Nov-24	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575 953	Highest Sample Value 826 949 949 16695 AND DOC20/ Highest Sample Value 706 1170 16695 AND DOC20/	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 Month Nov-24 Month Nov-24	Type 1 and Type 2 substances in aggregate 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 Nitrogen Oxides	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure (mg/m3)	Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24 Nov-24 X837351-2" 03/0	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575 953 EENCE DOC20/47 Mean of	Highest Sample Value 826 949 16695 AND DOC20/ Highest Sample 706 1170 176695 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 N/A Exceedance (yes/no) N/A N/A	Comments
Nov-24 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 Nov-24 Nov-24 Nov-14 Month Month	Type 1 and Type 2 substances in aggregate 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 Pollutant	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure	Sample/Measurement Frequency Continuous Continuous Continuous Sample/Measurement Frequency Continuous Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected	Date Sampled Nov-24 Nov-24 Nov-24 X837351-2" 03/0 Date Sampled Nov-24 Nov-24 X837351-2" 03/0	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample	Mean of Samples 603 771 EENCE DOC20/47 Mean of Samples 575 953 EENCE DOC20/47 Mean of	Highest Sample Value 826 949 16695 AND DOC20/ Highest Sample 706 1170 176695 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) Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 Nov-24 POINT 13 Month Nov-24	Type 1 and Type 2 substances in aggregate 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 Nitrogen Oxides	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed	Date Sampled Nov-24 Date Sampled Date Sampled	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample Value User Value Value Value Value Value Value Value	Mean of Samples 603 771 SENCE DOC20/47 Mean of Samples 575 953 SENCE DOC20/47 Mean of Samples	Highest Sample Value 826 949 6695 AND DOC20/ Highest Sample 706 1170 6695 AND DOC20/ Highest Sample 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 N/A Exceedance (yes/no) N/A N/A	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 POINT 14 Month Nov-24 Nov-24 Nov-24 Month Nov-24 Month Nov-24 Nov-24	Type 1 and Type 2 substances in aggregate 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 Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% Samples Collected & Analysed 99.2% 99.2% 99.2% 99.2% Samples Collected & Analysed 99.2% VX837351-1 AND "V. Samples Collected & Analysed \$ ("VX837351-1 AND "V.	Date Sampled Nov-24 Date Sampled Date Sampled	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample Value 1005 1005 1005 1005 1005 1005 1005 100	Mean of Samples 603 771 Mean of Samples 575 953 MENCE DOC20/47 Mean of Samples EERCE DOC20/47	Highest Sample Value 826 949 76695 AND DOC20/ Highest Sample Value 706 1170 76695 AND DOC20/ Highest Sample 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	Exceedance (yes/no) N/A N/A N/A N/A Exceedance (yes/no) N/A N/A	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 POINT 14 Month Nov-24 Nov-24 Nov-24 Nov-24	Type 1 and Type 2 substances in aggregate 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 Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% VX837351-1 AND "V. Samples Collected & Analysed 99.2% VX837351-1 AND "V. Samples Collected & Analysed § Analysed § Analysed § Analysed Samples Collected & Analysed	Date Sampled Nov-24 Nov	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample Value User Value Value Value Value Value Value Value	Mean of Samples 603 771 Mean of Samples 575 953 MENCE DOC20/47 Mean of Samples ERNCE DOC20/47 Mean of Samples	Highest Sample Value 826 949 6695 AND DOC20/ Highest Sample 706 1170 6695 AND DOC20/ Highest Sample 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 N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A Exceedance	Comments
Nov-24 POINT 12 Month Nov-24 Nov-24 POINT 13 Month Nov-24 Nov-24 POINT 14 Month Nov-24 POINT 14	Type 1 and Type 2 substances in aggregate 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	(mg/m3) (points 4 and 5) marked a Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a Unit of Measure (mg/m3) (points 8 and 9) marked a (mg/m3) (points 10 and 11) marked	Sample/Measurement Frequency Continuous	Samples Collected & Analysed 99.2% 99.2% Samples Collected & Analysed 99.2% 99.2% 99.2% 99.2% Samples Collected & Analysed 99.2% VX837351-1 AND "V. Samples Collected & Analysed \$ ("VX837351-1 AND "V.	Date Sampled Nov-24 Date Sampled Date Sampled	Lowest Sample Value 228 321 6/2020 EPA REFER Lowest Sample Value 365 472 6/2020 EPA REFER Lowest Sample Value Lowest Sample Value Lowest Sample Value Lowest Sample Value	Mean of Samples 603 771 Mean of Samples 575 953 MENCE DOC20/47 Mean of Samples EERCE DOC20/47	Highest Sample Value 826 949 6695 AND DOC20/ Highest Sample Value 706 1170 6695 AND DOC20/ Highest Sample Value 476695 AND DOC2 Highest Sample	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	Exceedance (yes/no) N/A N/A N/A N/A Exceedance (yes/no) N/A N/A	Comments Comments Unit 6 out of service for entire month of November 202-

POINT 22	Discharge of cooling water from the cooling water	outlet canal to Wyee Bay	marked and shown as EPA ID 22 on T	he Plans ("VX837351	-1 AND "VX8373!	51-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AN	ID 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	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit		Limit (yes/no)	Comments
Nov-24	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	6/11/2024	0	0	0		0.2	No	
Nov-24	Copper	(mg/L)	Monthly during discharge	1	6/11/2024	0.004	0.004	0.004		0.005	No	
Nov-24	Iron	(mg/L)	Monthly during discharge	1	6/11/2024	0.05	0.05	0.05		0.3	No	
Nov-24	Oil and Grease	Visible	Continuous during discharge	100%	Nov-24	NIL	NIL	NIL				
Nov-24	Selenium	(mg/L)	Monthly during discharge	1	6/11/2024	0.002	0.002	0.002		0.005	No	
Nov-24	Temperature	(°C)	Continuous during discharge	100%	Nov-24	19.8	28.9	31.6	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).												
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	
Nov-24	Aluminium	(mg/L)	Monthly during discharge	1	6/11/2024	0.02	0.02	0.02					
Nov-24	Ammonia	(mg/L)	Monthly during discharge	1	6/11/2024	0.030	0.030	0.030					
Nov-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.01	< 0.01	<0.01					
Nov-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	6/11/2024	0.01	0.01	0.01					
Nov-24	Cadmium	(mg/L)	Monthly during discharge	1	6/11/2024	<0.0001	< 0.0001	< 0.0001					
Nov-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.005	< 0.005	< 0.005					
Nov-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	6/11/2024	0.02	0.02	0.02					
Nov-24	Copper	(mg/L)	Monthly during discharge	1	6/11/2024	0.001	0.001	0.001					
Nov-24	Iron	(mg/L)	Monthly during discharge	1	6/11/2024	0.03	0.03	0.03					
Nov-24	Lead	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.001	< 0.001	< 0.001					
Nov-24	Manganese	(mg/L)	Monthly during discharge	1	6/11/2024	0.006	0.006	0.006					
Nov-24	Nickel	(mg/L)	Monthly during discharge	1	6/11/2024	0.001	0.001	0.001					
Nov-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	6/11/2024	0.049	0.049	0.049					
Nov-24	Nitrogen	(mg/L)	Monthly during discharge	1	6/11/2024	0.3	0.3	0.3					
Nov-24	pH	pH	Monthly during discharge	1	6/11/2024	9.00	9.00	9.00		6.5 - 9.5	No		
Nov-24	Phosphorus	(mg/L)	Monthly during discharge	1	6/11/2024	0.1	0.1	0.1					
Nov-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	6/11/2024	0.08	0.08	0.08					
Nov-24	Selenium	(mg/L)	Monthly during discharge	1	6/11/2024	0.029	0.029	0.029					
Nov-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	6/11/2024	0.3	0.3	0.3				_	
Nov-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	6/11/2024	<5	<5	<5		50	No	_	
Nov-24	Vanadium	(mg/L)	Monthly during discharge	1	6/11/2024	0.07	0.07	0.07				_	
Nov-24	Zinc	(mg/L)	Monthly during discharge	1	6/11/2024	0.006	0.006	0.006					

POINT 24	Discharge of seepage water from the ash dam re	habilitation area to Manne	ering Bay marked and shown as EPA IE	24 on The Plans ("V)	K837351-1 AND "	VX837351-2" 03/0	6/2020 EPA REF	ERENCE DOC20/47	6695 AND 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	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-24	Aluminium	(mg/L)	Monthly during discharge	1	6/11/2024	0.06	0.06	0.06	Yes			
Nov-24	Ammonia	(mg/L)	Monthly during discharge	1	6/11/2024	1.40	1.40	1.40	Yes			
Nov-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.001	< 0.001	< 0.001	Yes			
Nov-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	6/11/2024	0.002	0.002	0.002	Yes			
Nov-24	Cadmium	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.0001	<0.0001	< 0.0001	Yes			
Nov-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.005	< 0.005	< 0.005	Yes			
Nov-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.005	<0.005	< 0.005	Yes			
Nov-24	Copper	(mg/L)	Monthly during discharge	1	6/11/2024	0.001	0.001	0.001	Yes			
Nov-24	Iron	(mg/L)	Monthly during discharge	1	6/11/2024	0.62	0.62	0.62	Yes			
Nov-24	Lead	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.001	< 0.001	< 0.001	Yes			
Nov-24	Manganese	(mg/L)	Monthly during discharge	1	6/11/2024	0.140	0.140	0.140	Yes			
Nov-24	Nickel	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.001	<0.001	< 0.001	Yes			
Nov-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	6/11/2024	0.16	0.16	0.16	Yes			
Nov-24	Nitrogen	(mg/L)	Monthly during discharge	1	6/11/2024	1.20	1.20	1.20	Yes			
Nov-24	pH	pН	Monthly during discharge	1	6/11/2024	8.12	8.12	8.12	Yes	6.5 - 9.5	No	
Nov-24	Phosphorus	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.05	< 0.05	< 0.05	Yes			
Nov-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	6/11/2024	< 0.005	<0.005	< 0.005	Yes			_
Nov-24	Selenium	(mg/L)	Monthly during discharge	1	6/11/2024	0.001	0.001	0.001	Yes			
Nov-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	6/11/2024	1.00	1.00	1.00	Yes			-
Nov-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	6/11/2024	<5	<5	<5	Yes	50	No	-
Nov-24	Vanadium	(mg/L)	Monthly during discharge	1	6/11/2024	0.01	0.01	0.01	Yes			
Nov-24	Zinc	(mg/L)	Monthly during discharge	1	6/11/2024	0.009	0.009	0.009	Yes			_

POINT 25	Discharge of over boarded water from the ash dan	n to Mannering Bay mark	ed and shown as EPA ID 25 on The Pla	ans ("VX837351-1 AN	D "VX837351-2"	03/06/2020 EPA R	EFERENCE DOC2	0/476695 AND DO	C20/476695-1).			
				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		Concentration Limit	(yes/no)	Comments
Nov-24	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during November 2024
Nov-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5		
Nov-24	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			_
Nov-24	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			-
Nov-24	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50		
Nov-24	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-24	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

POINT 30	Groundwater quality monitoring bore marked and	d shown as EPA ID 30 on T	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2020 E	PA REFERENCE DO	C20/476695 AND	DOC20/476695	-1).				
Month	Pollutant	Unit of Measure		Samples Collected & Analysed		Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-24	Aluminium	(mg/L)	Quarterly									
Nov-24	Ammonia	(mg/L)	Quarterly									
Nov-24	Arsenic (III)	(mg/L)	Quarterly									
Nov-24	Arsenic (V)	(mg/L)	Quarterly									
Nov-24	Cadmium	(mg/L)	Quarterly									
Nov-24	Chromium (trivalent)	(mg/L)	Quarterly									
Nov-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Nov-24	Copper	(mg/L)	Quarterly									
Nov-24	Electrical Conductivity	(us/cm)	Quarterly									
Nov-24	Iron	(mg/L)	Quarterly									
Nov-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Nov-24	Magnesium	(mg/L)	Quarterly									
Nov-24	Manganese	(mg/L)	Quarterly									
Nov-24	Nickel	(mg/L)	Quarterly									
Nov-24	pH	pH	Quarterly									
Nov-24	Potassium	(mg/L)	Quarterly									<u> </u>
Nov-24	Selenium	(mg/L)	Quarterly									
Nov-24	Sodium	(mg/L)	Quarterly				,					-
Nov-24	Standing Water Level	(m)	Quarterly				,					-
Nov-24	Vanadium	(mg/L)	Quarterly									_
Nov-24	Zinc	(mg/L)	Quarterly									_

POINT 31	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	
Nov-24	Aluminium	(mg/L)	Quarterly										
Nov-24	Ammonia	(mg/L)	Quarterly										
Nov-24	Arsenic (III)	(mg/L)	Quarterly										
Nov-24	Arsenic (V)	(mg/L)	Quarterly										
Nov-24	Cadmium	(mg/L)	Quarterly										
Nov-24	Chromium (trivalent)	(mg/L)	Quarterly										
Nov-24	Chromium (VI) Compounds	(mg/L)	Quarterly										
Nov-24	Copper	(mg/L)	Quarterly										
Nov-24	Electrical Conductivity	(us/cm)	Quarterly										
Nov-24	Iron	(mg/L)	Quarterly										
Nov-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025	
Nov-24	Magnesium	(mg/L)	Quarterly										
Nov-24	Manganese	(mg/L)	Quarterly										
Nov-24	Nickel	(mg/L)	Quarterly										
Nov-24	pH	pH	Quarterly										
Nov-24	Potassium	(mg/L)	Quarterly										
Nov-24	Selenium	(mg/L)	Quarterly										
Nov-24	Sodium	(mg/L)	Quarterly										
Nov-24	Standing Water Level	(m)	Quarterly										
Nov-24	Vanadium	(mg/L)	Quarterly										
Nov-24	Zinc	(mg/L)	Quarterly										

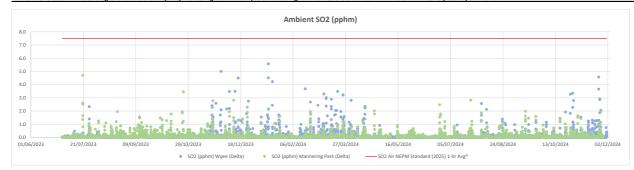
POINT 32	NT 32 Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-24	Aluminium	(mg/L)	Quarterly									
Nov-24	Ammonia	(mg/L)	Quarterly									
Nov-24	Arsenic (III)	(mg/L)	Quarterly									
Nov-24	Arsenic (V)	(mg/L)	Quarterly									
Nov-24	Cadmium	(mg/L)	Quarterly									
Nov-24	Chromium (trivalent)	(mg/L)	Quarterly									
Nov-24	Chromium (VI) Compounds	(mg/L)	Quarterly									
Nov-24	Copper	(mg/L)	Quarterly									
Nov-24	Electrical Conductivity	(us/cm)	Quarterly									
Nov-24	Iron	(mg/L)	Quarterly									
Nov-24	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2025
Nov-24	Magnesium	(mg/L)	Quarterly									
Nov-24	Manganese	(mg/L)	Quarterly									
Nov-24	Nickel	(mg/L)	Quarterly									
Nov-24	pH	pH	Quarterly									
Nov-24	Potassium	(mg/L)	Quarterly									
Nov-24	Selenium	(mg/L)	Quarterly									
Nov-24	Sodium	(mg/L)	Quarterly									
Nov-24	Standing Water Level	(m)	Quarterly									
Nov-24	Vanadium	(mg/L)	Quarterly									
Nov-24	Zinc	(mg/L)	Quarterly									

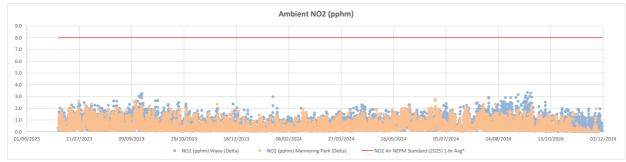
POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant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

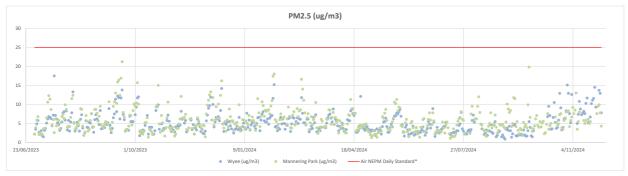
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample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

Ambient Air Quality Graphs

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







ENERAL COMMENT

*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