Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	December 2023	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points 4	to 7 to Point 1 marked an	d shown as EPA ID 2 on The Plans ("V	X837351-1 AND "VX8	337351-2" 03/06	/2020 EPA REFERE	NCE DOC20/476	695 AND DOC20/47	76695-1).			
											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
Dec-23	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Dec-23	Chlorine	(mg/m3)	Every 6 months							20	No	
Dec-23	Fluorine	(mg/m3)	Every 6 months							30	No	
Dec-23	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Dec-23	Mercury	(mg/m3)	Every 6 months							0.05	No	
Dec-23	Nitrogen Oxides	(mg/m3)	Continuous	97.3%	Dec-23	276	653	807	850	980	No	
Dec-23	Solid Particles	(mg/m3)	Quarterly							50	No	
Dec-23	Sulfur dioxide	(mg/m3)	Continuous	98.5%	Dec-23	375	912	1173	1400	1700	No	
Dec-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Dec-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				_			10	No	

POINT 3	Combined air emissions from boiler 6 via Points 8 t	to 11 to Point 1 marked a	nd shown as EPA ID 3 on The Plans ("\	/X837351-1 AND "VX	(837351-2" 03/06	/2020 EPA REFERE	ENCE DOC20/476	695 AND DOC20/4	176695-1).			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
Dec-23	Cadmium	(mg/m3)	Every 6 months	& Analyseu	Date Sampled	value	Jampies	value	Concentration Limit	0.2	No	Comments
Dec-23	Chlorine	(mg/m3)	Every 6 months							20	No	
Dec-23	Fluorine	(mg/m3)	Every 6 months							30	No	
Dec-23	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Dec-23	Mercury	(mg/m3)	Every 6 months							0.05	No	
Dec-23	Nitrogen Oxides	(mg/m3)	Continuous	97.3%	Dec-23	413	714	912	850	980	No	
Dec-23	Solid Particles	(mg/m3)	Quarterly							50	No	
Dec-23	Sulfur dioxide	(mg/m3)	Continuous	98.5%	Dec-23	467	1037	1266	1400	1700	No	
Dec-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Dec-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No	

POINT 4	Boiler number 5 exhaust - duct A marked and sho	wn as EPA ID 4 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REI	ERENCE DOC20/4	176695 AND DOC2	0/476695-1).					
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
Dec-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-23	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-23	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-23	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 ("VX83/351-1 AND "VX83/351-2"	03/06/2020 EPA REF	EKENCE DUCZU/4							
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-23	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months			l l					N/A	
POINT 6	Boiler number 5 exhaust - duct C marked and sho	own as EDA ID 6 on The Dia	ne ("VY837351-1 AND "VY837351-2"	03/06/2020 EDA BEE	ERENCE DOC20/A	76695 AND DOC20	1/476695_1)					
	Boilet Hamber 5 extraose date e marked and site	The state of the s	13 (17.057552 2 7.105 17.057552 2	05,00,2020 2174 1121	ENERGE BOCEO,	TOOSS ALLE DOCE	,, 4,, 0033 2,,					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-23	Cadmium	(mg/m3)	Every 6 months	,							N/A	
Dec-23	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-23	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
POINT 7	Boiler number 5 exhaust - duct D marked and sho	own as EPA ID 7 on The Pla	ins ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	176695 AND DOC20)/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Dec-23	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
											14/74	
POINT 8								•		I.	,	
	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	76695 AND DOC20)/476695-1).				.,,,,	
. 3	Boiler number 6 exhaust - duct A marked and sho	own as EPA ID 8 on The Pla	nns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	176695 AND DOC20)/476695-1).				.,,.	
. 5	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). Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Boiler number 6 exhaust - duct A marked and sho	own as EPA ID 8 on The Pla Unit of Measure	uns ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency		Date Sampled			Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit		Comments
				Samples Collected		Lowest Sample	Mean of				Exceedance	Comments
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no)	Comments
Month Dec-23	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A	Comments
Month Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide	Unit of Measure (mg/m3) (%)	Sample/Measurement Frequency Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Quarterly	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03)	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Quarterly Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type I and Type 2 substances in aggregate	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected		Lowest Sample	Mean of				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type I and Type 2 substances in aggregate	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Ouarterly Every 6 months Every 6 months Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples				Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Ouarterly Every 6 months Every 6 months Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Value	Concentration Limit	Concentration Limit	Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 3/06/2020 EPA REE Samples Collected	Date Sampled	Value	Mean of Samples 2/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/n/A) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Comments
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3) Unit of Measure	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Value	Concentration Limit	Concentration Limit	Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as \$03) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 3/06/2020 EPA REE Samples Collected	Date Sampled	Value	Mean of Samples 2/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Month Dec-23	Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3) Type 1 and Type 2 substances in aggregate VOC's as n-propane equivalent Boiler number 6 exhaust - duct B marked and sho	Unit of Measure (mg/m3) (%) (mg/m3) Unit of Measure	Sample/Measurement Frequency Every 6 months	Samples Collected & Analysed & Analysed 3/06/2020 EPA REE Samples Collected	Date Sampled	Value	Mean of Samples 2/476695-1). Mean of	Value Highest Sample	Concentration Limit 99 Percentile	Concentration Limit	Exceedance (yes/no) N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	

N/A

(mg/m3)

Dec-23 Type 1 and Type 2 substances in aggregate

Every 6 months

	Boiler number 6 exhaust - duct C marked and sho	WIL AS EAN ID TO OU THE ST	ans ("VX83/351-1 AND "VX83/351-2"	03/06/2020 EPA RE	FERENCE DOCZU/	476695 AND DUC	(0/4/6695-1).					
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-23	Cadmium	(mg/m3)	Every 6 months	& Allalyseu	Date Sampleu	value	Jampies	value	Concentration Limit	Concentration Limit	N/A	Confinients
Dec-23	Carbon dioxide	(%)	Every 6 months								N/A	
Dec-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Dec-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Dec-23	Mercury	(mg/m3)	Every 6 months								N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly								N/A	
Dec-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Dec-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
Dec-23	VOC S as II-proparie equivalent	(IIIg/III3)	Every o months	l .							IN/A	
POINT 11	Boiler number 6 exhaust - duct D marked and sho	own as EDA ID 11 on The Di	and ("N/V0272E1 1 AND "N/V0272E1 2"	1 02/06/2020 EBA BE	EEDENICE DOCSO	ATCOM AND DOC	00/47660E 1\					
POINT 11	Boller number 6 exhaust - duct D marked and sho	WIT AS EPA ID 11 ON THE P	ans (VA83/351-1 AND VA83/351-2	03/06/2020 EPA RE	FERENCE DUCZU/	476695 AND DUC	20/4/6695-1).					
				Complex Collects of		Laurant Camerts	Na	High ant Commits	00 Desemble	100 Descentil	Europadon II	
Month	Dallistant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Data Camulad	Lowest Sample Value	Mean of	Highest Sample	99 Percentile	100 Percentile Concentration Limit	(yes/no)	Comments
Dec-23	Pollutant Cadmium	(mg/m3)	Every 6 months	& Analyseu	Date Sampled	value	Samples	Value	Concentration Limit	Concentration Limit	N/A	Comments
Dec-23	Mercury	(mg/m3)	Every 6 months			+					N/A	
Dec-23	Solid Particles	(mg/m3)	Quarterly			-					N/A	
Dec-23	Type 1 and Type 2 substances in aggregate	(mg/m3) (mg/m3)	Every 6 months			-					N/A	
					X057551 E 05/0	JO/ 2020 EPA REFER	ENCE DOC20/4	76695 AND DOC20/	476695-1).			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	Comments
Month Dec-23	Pollutant Nitrogen Oxides	Unit of Measure	Sample/Measurement Frequency Continuous	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value		100 Percentile Concentration Limit	(yes/no)	Comments
Month Dec-23 Dec-23	Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Continuous Continuous	Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile			Comments
Dec-23	Nitrogen Oxides	(mg/m3) (mg/m3)	Continuous Continuous	Samples Collected & Analysed 97.0% 98.5%	Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327	Mean of Samples 656 831	Highest Sample Value 944 1084	99 Percentile Concentration Limit		(yes/no) N/A	Comments
Dec-23 Dec-23	Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3)	Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "VX	Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER	Mean of Samples 656 831	Highest Sample Value 944 1084	99 Percentile Concentration Limit 476695-1).	Concentration Limit	(yes/no) N/A N/A	Comments
Dec-23 Dec-23 POINT 13	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D	(mg/m3) (mg/m3) (points 6 and 7) marked a	Continuous Continuous und shownas EPA ID 13 on The Plans ("	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "VX	Date Sampled Dec-23 Dec-23 X837351-2" 03/0	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample	Mean of Samples 656 831 ENCE DOC20/47	Highest Sample Value 944 1084 16695 AND DOC20/ Highest Sample	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A	
Dec-23 Dec-23 POINT 13 Month	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	(mg/m3) (mg/m3) (points 6 and 7) marked a	Continuous Continuous und shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed	Date Sampled	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value	Mean of Samples 656 831 ENCE DOC20/47 Mean of Samples	Highest Sample Value 944 1084 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
Dec-23 Dec-23 POINT 13 Month Dec-23	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6%	Date Sampled Dec-23 Dec-23 K837351-2" 03/0 Date Sampled Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261	Mean of Samples 656 831 ENCE DOC20/47 Mean of Samples 650	Highest Sample Value 944 1084 76695 AND DOC20/ Highest Sample Value 822	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Dec-23 Dec-23 POINT 13 Month	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant	(mg/m3) (mg/m3) (points 6 and 7) marked a	Continuous Continuous und shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed	Date Sampled	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value	Mean of Samples 656 831 ENCE DOC20/47 Mean of Samples	Highest Sample Value 944 1084 76695 AND DOC20/ Highest Sample Value	99 Percentile Concentration Limit 476695-1). 99 Percentile	Concentration Limit	(yes/no) N/A N/A N/A Exceedance (yes/no)	
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "VX Samples Collected & Analysed 97.6% 98.5%	Date Sampled Dec-23 Dec-23 X837351-2" 03/0 Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993	Highest Sample Value 944 1084 10695 AND DOC20/ Highest Sample Value 822 1262	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Dec-23 Dec-23 POINT 13 Month Dec-23	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "VX Samples Collected & Analysed 97.6% 98.5%	Date Sampled Dec-23 Dec-23 X837351-2" 03/0 Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993	Highest Sample Value 944 1084 10695 AND DOC20/ Highest Sample Value 822 1262	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A	
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "VX Samples Collected & Analysed 97.6% 98.5%	Date Sampled Dec-23 Dec-23 X837351-2" 03/0 Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993	Highest Sample Value 944 1084 10695 AND DOC20/ Highest Sample Value 822 1262	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit	Concentration Limit	(yes/no) N/A N/A N/A Exceedance (yes/no) N/A	
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23	Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous and shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V:	Date Sampled Dec-23 Dec-23 X837351-2" 03/0 Date Sampled Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER	Mean of Samples 656 831 ENCE DOC20/42 Mean of Samples 650 993 ENCE DOC20/42	Highest Sample Value 944 1084 1084 16695 AND DOC20/ Highest Sample Value 822 1262 1265	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1).	Concentration Limit 100 Percentile Concentration Limit	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A	
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14	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 B	(mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a	Continuous Continuous Ind shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous Ind shownas EPA ID 14 on The Plans ("	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V7 Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V7 Samples Collected	Date Sampled Dec-23 Dec-23 Dec-23 K837351-2" 03/0 Date Sampled Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample	Mean of Samples 656 831 ENCE DOC20/47 Mean of Samples 650 993 ENCE DOC20/47 Mean of	Highest Sample 944 1084 1084 16695 AND DOC20/ Highest Sample 822 1262 1262 14695 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
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14 Month	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 B	(mg/m3) (mg/m3) (points 6 and 7) marked a Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marked a	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 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed	Date Sampled Dec-23 Dec-23 Start Sampled Date Sampled Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value Value Value 423	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993 ENCE DOC20/4: Mean of Samples	Highest Sample Value 944 1084 1084 16695 AND DOC20/ Highest Sample Value 822 1262 1269 Highest Sample Value 4000 Highest Sample Value Value Value	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
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14 Month Dec-23 Dec-23 Dec-23	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 B Pollutant Nitrogen Oxides Sulfur dioxide	(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) (mg/m3)	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 Continuous Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5%	Date Sampled Dec-23 Dec-23 Date Sampled Date Sampled Dec-23 Date-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value 454 526	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993 ENCE DOC20/4: Mean of 550 993 1064 Mean of 550 993 1064 1064 1064 1064 1064 1064 1064 1064	Highest Sample 944 1084 1084 6695 AND DOC20/ Highest Sample 822 1262 6695 AND DOC20/ Highest Sample Value 1038 1341	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 N/A	Comments
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14 Month Dec-23	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 B Pollutant Nitrogen Oxides	(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) (mg/m3)	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 Continuous Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5%	Date Sampled Dec-23 Dec-23 Date Sampled Date Sampled Dec-23 Date-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value 454 526	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993 ENCE DOC20/4: Mean of 550 993 1064 Mean of 550 993 1064 1064 1064 1064 1064 1064 1064 1064	Highest Sample 944 1084 1084 6695 AND DOC20/ Highest Sample 822 1262 6695 AND DOC20/ Highest Sample Value 1038 1341	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 N/A	Comments
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14 Month Dec-23 Dec-23	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 B Pollutant Nitrogen Oxides Sulfur dioxide	(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) (mg/m3)	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 Continuous Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% ("VX837351-1 AND "V: samples Collected & Analysed 97.6%	Date Sampled Dec-23 Dec-23 Date Sampled Date Sampled Dec-23 Date-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 2327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value 454 526	Mean of Samples 656 831 Mean of Samples 656 650 Mean of Samples 650 993 Mean of Samples 650 993 ENCE DOC20/4: Mean of Samples 755 1064 ERENCE DOC20,	Highest Sample 944 1084 1084 16695 AND DOC20/ Highest Sample Value 822 1262 12695 AND DOC20/ Highest Sample Value 1038 1341	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
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 Dec-23 POINT 14 Month Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and D	(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) (mg/m3) (mg/m3)	Continuous Continuous Ind shownas EPA ID 13 on The Plans (" Sample/Measurement Frequency Continuous Continuous Ind shownas EPA ID 14 on The Plans (" Sample/Measurement Frequency Continuous Continuous Continuous Continuous d and shownas EPA ID 12 on The Plans	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% ("VX837351-1 AND "Samples Collected Samples Collected Samples Collected	Date Sampled Dec-23 Dec-23 Date Sampled Date Sampled Dec-23	Lowest Sample Value 243 327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value 454 526 /06/2020 EPA REF	Mean of Samples 656 831 ENCE DOC20/4: Mean of Samples 650 993 ENCE DOC20/4: Mean of Samples 755 1064 ERENCE DOC20, Mean of	Highest Sample 944 1084 1084 6695 AND DOC20/ Highest Sample Value 822 1262 6695 AND DOC20/ Highest Sample Value 1038 1341 476695 AND DOC2 Highest Sample	99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit 476695-1). 99 Percentile Concentration Limit 0/476695-1). 99 Percentile	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A N/A Exceedance (yes/no) N/A N/A Exceedance	Comments
Dec-23 Dec-23 POINT 13 Month Dec-23 Dec-23 POINT 14 Month Dec-23 Dec-23 POINT 14	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 B Pollutant Nitrogen Oxides Sulfur dioxide	(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) (mg/m3)	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 Continuous Continuous Continuous	Samples Collected & Analysed 97.0% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% VX837351-1 AND "V: Samples Collected & Analysed 97.6% 98.5% ("VX837351-1 AND "V: samples Collected & Analysed 97.6%	Date Sampled Dec-23 Dec-23 Date Sampled Date Sampled Dec-23 Date-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23 Dec-23	Lowest Sample Value 243 2327 6/2020 EPA REFER Lowest Sample Value 261 423 6/2020 EPA REFER Lowest Sample Value 454 526	Mean of Samples 656 831 Mean of Samples 656 650 Mean of Samples 650 993 Mean of Samples 650 993 ENCE DOC20/4: Mean of Samples 755 1064 ERENCE DOC20,	Highest Sample 944 1084 1084 16695 AND DOC20/ Highest Sample Value 822 1262 12695 AND DOC20/ Highest Sample Value 1038 1341	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 T	he Plans ("VX837351	L-1 AND "VX8373!	51-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AM	ND 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		Exceed 100% Limit (yes/no)	
Dec-23	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	5/12/2023	0	0	0		0.2	No	
Dec-23	Copper	(mg/L)	Monthly during discharge	1	5/12/2023	0.003	0.003	0.003		0.005	No	
Dec-23	Iron	(mg/L)	Monthly during discharge	1	5/12/2023	0.100	0.100	0.100		0.3	No	
Dec-23	Oil and Grease	Visible	Continuous during discharge	100%	Dec-23	NIL	NIL	NIL				
Dec-23	Selenium	(mg/L)	Monthly during discharge	1	5/12/2023	<0.002	< 0.002	< 0.002		0.005	No	
Dec-23	Temperature	(°C)	Continuous during discharge	100%	Dec-23	29.1	32.2	36.5	35	37.5	No	

POINT 23	Discharge of supernatant water from the ash dam	to the cooling water outl	et canal to Wyee Bay marked and sho	wn as EPA ID 23 on T	he Plans ("VX837	351-1 AND "VX837	351-2" 03/06/2	020 EPA REFEREN	CE DOC20/476695 AND D	OC20/476695-1).		
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
Dec-23	Aluminium	(mg/L)	Monthly during discharge	1	5/12/2023	0.07	0.07	0.07	CONCENTRATION EMILE	CONCENTRATION EMILE	(403/110)	comments
Dec-23	Ammonia	(mg/L)	Monthly during discharge	1	5/12/2023	0.047	0.047	0.047				
Dec-23	Arsenic (III)	(mg/L)	Monthly during discharge	1	5/12/2023	< 0.001	<0.001	< 0.001				
Dec-23	Arsenic (V)	(mg/L)	Monthly during discharge	1	5/12/2023	0.009	0.009	0.009				
Dec-23	Cadmium	(mg/L)	Monthly during discharge	1	5/12/2023	<0.0002	<0.0002	<0.0002				·
Dec-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	5/12/2023	< 0.005	<0.005	< 0.005				
Dec-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	5/12/2023	0.020	0.020	0.020				
Dec-23	Copper	(mg/L)	Monthly during discharge	1	5/12/2023	0.002	0.002	0.002				
Dec-23	Iron	(mg/L)	Monthly during discharge	1	5/12/2023	1.700	1.700	1.700				
Dec-23	Lead	(mg/L)	Monthly during discharge	1	5/12/2023	<0.002	<0.002	< 0.002				
Dec-23	Manganese	(mg/L)	Monthly during discharge	1	5/12/2023	0.0350	0.0350	0.0350				
Dec-23	Nickel	(mg/L)	Monthly during discharge	1	5/12/2023	0.002	0.002	0.002				
Dec-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	5/12/2023	0.420	0.420	0.420				
Dec-23	Nitrogen	(mg/L)	Monthly during discharge	1	5/12/2023	0.50	0.50	0.50				
Dec-23	pH	pH	Monthly during discharge	1	5/12/2023	8.8	8.8	8.8		6.5 - 9.5	No	
Dec-23	Phosphorus	(mg/L)	Monthly during discharge	1	5/12/2023	0.10	0.10	0.10				
Dec-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	5/12/2023	0.05	0.05	0.05				
Dec-23	Selenium	(mg/L)	Monthly during discharge	1	5/12/2023	0.068	0.068	0.068				
Dec-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	5/12/2023	<0.1	<0.1	<0.1				
Dec-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1	5/12/2023	12	12	12		50	No	
Dec-23	Vanadium	(mg/L)	Monthly during discharge	1	5/12/2023	0.09	0.09	0.09				
Dec-23	Zinc	(mg/L)	Monthly during discharge	1	5/12/2023	0.043	0.043	0.043				

POINT 24	Discharge of seepage water from the ash dam	rehabilitation area to Manne	ering Bay marked and shown as EPA ID	24 on The Plans ("V)	K837351-1 AND "	VX837351-2" 03/0	06/2020 EPA REF	ERENCE DOC20/47	6695 AND DOC20/47669)5-1).		
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
Dec-23	Aluminium	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Ammonia	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Arsenic (III)	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Arsenic (V)	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Cadmium	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Copper	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Iron	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Lead	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Manganese	(mg/L)	Monthly during discharge	1	5/12/2023				No			No discharge from EPA Point 24 during December 2023
Dec-23	Nickel	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Nitrogen	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	pH	pH	Monthly during discharge	1	5/12/2023				No	6.5 - 9.5	No	
Dec-23	Phosphorus	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	5/12/2023				No			·
Dec-23	Selenium	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	5/12/2023				No			-
Dec-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1	5/12/2023				No	50	No	-
Dec-23	Vanadium	(mg/L)	Monthly during discharge	1	5/12/2023				No			
Dec-23	Zinc	(mg/L)	Monthly during discharge	1	5/12/2023				No			

POINT 25	Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

	B. II.			Samples Collected	Data Consulad	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
Dec-23	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during December 2023
Dec-23	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Dec-23	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-23	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	_
Dec-23	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			_
Dec-23	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

POINT 30	Groundwater quality monitoring bore marked and	shown as EPA ID 30 on T	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2020 EF	A REFERENCE DO	C20/476695 AND	DOC20/476695-:	1).				
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Dec-23	Aluminium	(mg/L)	Quarterly									
Dec-23	Ammonia	(mg/L)	Quarterly									
Dec-23	Arsenic (III)	(mg/L)	Quarterly									
Dec-23	Arsenic (V)	(mg/L)	Quarterly									
Dec-23	Cadmium	(mg/L)	Quarterly									
Dec-23	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-23	Copper	(mg/L)	Quarterly									
Dec-23	Electrical Conductivity	(us/cm)	Quarterly									
Dec-23	Iron	(mg/L)	Quarterly									
Dec-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Dec-23	Magnesium	(mg/L)	Quarterly									
Dec-23	Manganese	(mg/L)	Quarterly									
Dec-23	Nickel	(mg/L)	Quarterly									
Dec-23	pH	pH	Quarterly									
Dec-23	Potassium	(mg/L)	Quarterly									
Dec-23	Selenium	(mg/L)	Quarterly									
Dec-23	Sodium	(mg/L)	Quarterly				•		,			·
Dec-23	Standing Water Level	(m)	Quarterly									·
Dec-23	Vanadium	(mg/L)	Quarterly									
Dec-23	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
Dec-23	Aluminium	(mg/L)	Quarterly									
Dec-23	Ammonia	(mg/L)	Quarterly									
Dec-23	Arsenic (III)	(mg/L)	Quarterly									
Dec-23	Arsenic (V)	(mg/L)	Quarterly									
Dec-23	Cadmium	(mg/L)	Quarterly									
Dec-23	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-23	Copper	(mg/L)	Quarterly									
Dec-23	Electrical Conductivity	(us/cm)	Quarterly									
Dec-23	Iron	(mg/L)	Quarterly									
Dec-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Dec-23	Magnesium	(mg/L)	Quarterly									
Dec-23	Manganese	(mg/L)	Quarterly									
Dec-23	Nickel	(mg/L)	Quarterly									
Dec-23	pH	pH	Quarterly									
Dec-23	Potassium	(mg/L)	Quarterly									
Dec-23	Selenium	(mg/L)	Quarterly									
Dec-23	Sodium	(mg/L)	Quarterly									
Dec-23	Standing Water Level	(m)	Quarterly									
Dec-23	Vanadium	(mg/L)	Quarterly									
Dec-23	Zinc	(mg/L)	Quarterly									

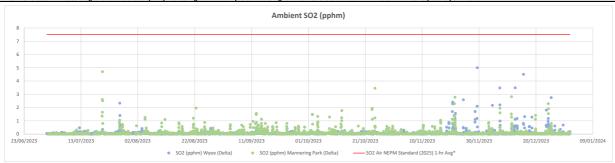
POINT 32	NT 32 Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-23	Aluminium	(mg/L)	Quarterly									
Dec-23	Ammonia	(mg/L)	Quarterly									
Dec-23	Arsenic (III)	(mg/L)	Quarterly									
Dec-23	Arsenic (V)	(mg/L)	Quarterly									
Dec-23	Cadmium	(mg/L)	Quarterly									
Dec-23	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-23	Copper	(mg/L)	Quarterly									
Dec-23	Electrical Conductivity	(us/cm)	Quarterly									
Dec-23	Iron	(mg/L)	Quarterly									
Dec-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Dec-23	Magnesium	(mg/L)	Quarterly									
Dec-23	Manganese	(mg/L)	Quarterly									
Dec-23	Nickel	(mg/L)	Quarterly									
Dec-23	pH	pH	Quarterly									
Dec-23	Potassium	(mg/L)	Quarterly									·
Dec-23	Selenium	(mg/L)	Quarterly									
Dec-23	Sodium	(mg/L)	Quarterly									
Dec-23	Standing Water Level	(m)	Quarterly									
Dec-23	Vanadium	(mg/L)	Quarterly									<u> </u>
Dec-23	Zinc	(mg/L)	Quarterly									•

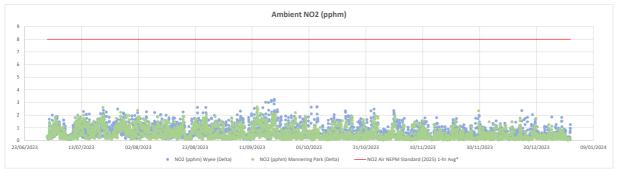
POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-23	Aluminium	(mg/L)	Quarterly									
Dec-23	Ammonia	(mg/L)	Quarterly									
Dec-23	Arsenic (III)	(mg/L)	Quarterly									
Dec-23	Arsenic (V)	(mg/L)	Quarterly									
Dec-23	Cadmium	(mg/L)	Quarterly									
Dec-23	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-23	Copper	(mg/L)	Quarterly									
Dec-23	Electrical Conductivity	(us/cm)	Quarterly									
Dec-23	Iron	(mg/L)	Quarterly									
Dec-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Dec-23	Magnesium	(mg/L)	Quarterly									
Dec-23	Manganese	(mg/L)	Quarterly									
Dec-23	Nickel	(mg/L)	Quarterly									
Dec-23	рН	pH	Quarterly									
Dec-23	Potassium	(mg/L)	Quarterly									
Dec-23	Selenium	(mg/L)	Quarterly									
Dec-23	Sodium	(mg/L)	Quarterly									
Dec-23	Standing Water Level	(m)	Quarterly									
Dec-23	Vanadium	(mg/L)	Quarterly									
Dec-23	Zinc	(mg/L)	Quarterly									

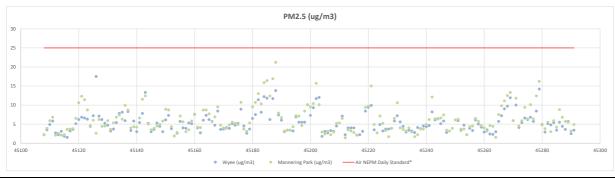
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-23	Aluminium	(mg/L)	Quarterly									
Dec-23	Ammonia	(mg/L)	Quarterly									
Dec-23	Arsenic (III)	(mg/L)	Quarterly									
Dec-23	Arsenic (V)	(mg/L)	Quarterly									
Dec-23	Cadmium	(mg/L)	Quarterly									
Dec-23	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-23	Copper	(mg/L)	Quarterly									
Dec-23	Electrical Conductivity	(us/cm)	Quarterly									
Dec-23	Iron	(mg/L)	Quarterly									
Dec-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Dec-23	Magnesium	(mg/L)	Quarterly									
Dec-23	Manganese	(mg/L)	Quarterly									
Dec-23	Nickel	(mg/L)	Quarterly									
Dec-23	pH	pH	Quarterly									
Dec-23	Potassium	(mg/L)	Quarterly									
Dec-23	Selenium	(mg/L)	Quarterly									
Dec-23	Sodium	(mg/L)	Quarterly									
Dec-23	Standing Water Level	(m)	Quarterly									·
Dec-23	Vanadium	(mg/L)	Quarterly									·
Dec-23	Zinc	(mg/L)	Quarterly									

Ambient Air Quality Graphs









SENERAL 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