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	July 2024	
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 DOC20/4	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
Jul-24	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Jul-24	Chlorine	(mg/m3)	Every 6 months							20	No	
Jul-24	Fluorine	(mg/m3)	Every 6 months							30	No	
Jul-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Jul-24	Mercury	(mg/m3)	Every 6 months							0.05	No	
Jul-24	Nitrogen Oxides	(mg/m3)	Continuous	88.3%	Jul-24	325	604	749	850	980	No	
Jul-24	Solid Particles	(mg/m3)	Quarterly							50	No	
Jul-24	Sulfur dioxide	(mg/m3)	Continuous	88.3%	Jul-24	710	877	1023	1400	1700	No	
Jul-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Jul-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Jul-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				_			10	No	-

POINT 3	Combined air emissions from boiler 6 via Points 8	to 11 to Point 1 marked a	nd shown as EPA ID 3 on The Plans ("	/X837351-1 AND "V	(837351-2" 03/06	/2020 EPA REFERI	NCE DOC20/476	695 AND DOC20/4	476695-1).			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceed 100% Limit (yes/no)	Comments
Jul-24	Cadmium	(mg/m3)	Every 6 months	& Analyseu	Date Sampled	value	Jampies	Value	Concentration Limit	0.2	No	Comments
Jul-24	Chlorine	(mg/m3)	Every 6 months							20	No	
Jul-24	Fluorine	(mg/m3)	Every 6 months							30	No	
Jul-24	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Jul-24	Mercury	(mg/m3)	Every 6 months							0.05	No	
Jul-24	Nitrogen Oxides	(mg/m3)	Continuous	90.3%	Jul-24	432	588	707	850	980	No	
Jul-24	Solid Particles	(mg/m3)	Quarterly							50	No	
Jul-24	Sulfur dioxide	(mg/m3)	Continuous	90.3%	Jul-24	674	870	1033	1400	1700	No	
Jul-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Jul-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Jul-24	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	ins ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REI	ERENCE DOC20/4	76695 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
Jul-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Jul-24	Carbon dioxide	(%)	Every 6 months								N/A	
Jul-24	Chlorine	(mg/m3)	Every 6 months								N/A	
Jul-24	Fluorine	(mg/m3)	Every 6 months								N/A	
Jul-24	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Jul-24	Mercury	(mg/m3)	Every 6 months								N/A	
Jul-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Jul-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Jul-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Jul-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

	Boiler number 5 exhaust - duct B marked and show	wn as EPA ID 5 on The Plai	ns ("VX837351-1 AND "VX837351-2"	U3/U6/2U2U EPA KEF	EKENCE DUCZU/4	/0095 AND DUCZ	/4/6695-1).					
				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
Jul-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Jul-24	Mercury	(mg/m3)	Every 6 months								N/A	
Jul-24	Solid Particles	(mg/m3)	Quarterly								N/A	
Jul-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
POINT 6	Boiler number 5 exhaust - duct C marked and show	wn as EPA ID 6 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).			ı		
				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
Jul-24	Cadmium	(mg/m3)	Every 6 months								N/A	
Jul-24	Carbon dioxide	(%)	Every 6 months								N/A	
Jul-24	Chlorine	(mg/m3)	Every 6 months	-							N/A	
Jul-24 Jul-24	Fluorine Hydrogen chloride	(mg/m3)	Every 6 months Every 6 months	-	-	-		-			N/A N/A	
Jul-24 Jul-24	Mercury Mercury	(mg/m3) (mg/m3)	Every 6 months Every 6 months	-	-	-		-			N/A N/A	
Jul-24 Jul-24	Solid Particles	(mg/m3)	Quarterly	1	-	-					N/A N/A	
Jul-24 Jul-24	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3) (mg/m3)	Every 6 months	 		1		1			N/A	
Jul-24	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Jul-24 Jul-24	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
Jul-24	voc s as ii-propane equivalent	(IIIg/III3)	Every o months		l .						N/A	
POINT 7	Boiler number 5 exhaust - duct D marked and sho	wn ac EDA ID 7 on The Dia	nc ("\/Y0273E1 1 AND "\/Y0273E1 3"	02/06/2020 EDA DES	EDENCE DOCADA	TEERE AND DOCS	/47660E 1\					
FOINT 7	Boiler Humber 3 exhaust - duct D marked and sho	WII as EFA ID 7 OII THE FIA	IIS (VA837331-1 AND VA837331-2	03/00/2020 EFA KEI	ERENCE DOCZO/S	70093 AND DOCE	/4/0055-1].					
				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
Iul 24	Cadmium	(ma/m2)		•		Value	Jampies	Value	CONCENTRATION ENTIRE	Concentration Limit		comments
Jul-24	Cadmium	(mg/m3)	Every 6 months			value	Jampies	Value	CONCENTRATION ENTIRE	Contentiation Limit	N/A	Comments
Jul-24	Mercury	(mg/m3)	Every 6 months Every 6 months			value	Jampies	varac	CONCENTRACION ZIMIC	Consentration Lamb	N/A N/A	Comments
Jul-24 Jul-24	Mercury Solid Particles	(mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly			Value	Jampies	Value	Concentration Emili	Concentration Emili	N/A N/A N/A	
Jul-24	Mercury	(mg/m3)	Every 6 months Every 6 months			value	Jampies	Vulue	Concentration 2		N/A N/A	· · · · · · · · · · · · · · · · · · ·
Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate	(mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months				·	- Value			N/A N/A N/A	
Jul-24 Jul-24	Mercury Solid Particles	(mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months				·				N/A N/A N/A	
Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate	(mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months	03/06/2020 EPA REF		76695 AND DOC20	/476695-1).				N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and short	(mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla	Every 6 months Every 6 months Quarterly Every 6 months one ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 Jul-24 POINT 8	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and sho	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency	03/06/2020 EPA REF		76695 AND DOC20	/476695-1).				N/A N/A N/A N/A N/A Exceedance (yes/no)	Comments
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and short Pollutant Cadmium	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months """ Every 6 months """ Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and short Pollutant Cadmium Carbon dioxide	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%)	Every 6 months Every 6 months Quarterly Every 6 months or ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A Exceedance (yes/no) N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and short Pollutant Cadmium Carbon dioxide Chlorine	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months Every 6 months Every 6 months Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore Pollutant Cadmium Carbon dioxide Chlorine Fluorine	(mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months Simple/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A Exceedance (yes/no) N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	(mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Mercury	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and short Pollutant Cadmium Carbon dioxide Chlorine Fluorine Fluorine Hydrogen chloride Mercury Solid Particles	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months Quarterly	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months Simple/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	/476695-1).	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC2: Lowest Sample Value	//476695-1). Mean of Samples	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC2: Lowest Sample Value	//476695-1). Mean of Samples	Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24 Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC20	/476695-1). Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A N/A N/A N/A N/A N/A N/A N/A	
Jul-24 Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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 shore	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months ("VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC2C Lowest Sample Value 76695 AND DOC2C Lowest Sample	/476695-1). Mean of Samples /476695-1). Mean of	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A	Comments
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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 shore	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months Ouarterly Every 6 months Simple/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC20	/476695-1). Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A N/A	
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Jul-26 Month Month Mo	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and show 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 show Pollutant Cadmium	(mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months "VX837351-1 AND "VX837351-2" Sample/Measurement Frequency Every 6 months Fevery 6 months Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC2C Lowest Sample Value 76695 AND DOC2C Lowest Sample	/476695-1). Mean of Samples /476695-1). Mean of	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A	Comments
Jul-24 Jul-24 Jul-24 POINT 8 Month Jul-24 Month Month	Mercury Solid Particles Type 1 and Type 2 substances in aggregate Boiler number 6 exhaust - duct A marked and shore 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 shore	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla Unit of Measure (mg/m3) (%) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months Ouarterly Every 6 months Simple/Measurement Frequency Every 6 months	03/06/2020 EPA REF	Date Sampled	76695 AND DOC2C Lowest Sample Value 76695 AND DOC2C Lowest Sample	/476695-1). Mean of Samples /476695-1). Mean of	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A N/A	Comments

N/A

Type 1 and Type 2 substances in aggregate

(mg/m3)

Every 6 months

Month Folkant United Manager Service Security Market S	POINT 10 B	Boiler number 6 exhaust - duct C marked and sho	wn as EPA ID 10 on The Pl	ans ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA RE	FERENCE DOC20/	/476695 AND DOC	20/476695-1).					
April Description Descri	Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled							Comments
Mode Colorina Control Contro	Jul-24 C	Cadmium	(mg/m3)	Every 6 months								N/A	
2012 Studente Conglinal Every Emorths	Jul-24 C	Carbon dioxide	(%)	Every 6 months								N/A	
Mode Microsyn Company Every 6 months	Jul-24 C	Chlorine	(mg/m3)	Every 6 months								N/A	
20-24 Mercury	Jul-24 F	Fluorine	(mg/m3)	Every 6 months								N/A	
Appl	Jul-24 F	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
2.5 2.5	Jul-24 N	Mercury	(mg/m3)	Every 6 months								N/A	
April Apri	Jul-24 S	Solid Particles	(mg/m3)	Quarterly								N/A	
POINT 11 Boller number 6 exhaust -duct D marked and shown as EPA D 11 on The Plans ("V8837851-1 AND "V8837851-1 AND "V8837851-1 AND "V8837851-2" OJ/06/2020 FPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month Pollutant Unit of Measure Sample/Measurement Frequency (ng/m3) Every 6 months Analysed Date Sample Value Concentration limit N/A (new 15 marked and shown as EPA D 12 on The Plans ("V8837851-1 AND "V8837851-2" OJ/06/2020 FPA REFERENCE DOC20/476695 AND DOC20/476695-1). POINT 12 Boller number 5 combined exhaust - duct C and D (points 6 and 7) marked and shown as EPA D 12 on The Plans ("V8837851-1 AND "V8837851-2" OJ/06/2020 FPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month Pollutant Unit of Measure Sample/Measurement Frequency Analysed Date Samples ("ng/m3") Continuous 88.3% Jul-24 517 801 943 100 Percentile Concentration limit N/A N/A (ng/m3) Every 6 months (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m3) Continuous 88.3% Jul-24 517 801 945 100 Percentile Concentration limit N/A N/A (ng/m	Jul-24 S	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
POINT 11 Boiler number 6 enhants - duct D marked and shown as EPA D 11 on The Plans ("VS837351-1 AND "VS837351-2" 0)/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1]. Comments	Jul-24 T	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Month	Jul-24 V	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
Month													
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analyzed Cardinium Concentration Limit (reg/m)	POINT 11 B	Boiler number 6 exhaust - duct D marked and sho	wn as EPA ID 11 on The P	ans ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA RE	FERENCE DOC20	/476695 AND DOC	20/476695-1).					
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analyzed Cardinium Concentration Limit (reg/m)					Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Evceedance	
1.12-14 Ladmium	Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled							Comments
Mirculy (mg/m3) Every 6 months					a rinarysea	Date Jampieu	Value	Sumples	Value	CONCENTION LINE	CONCENTRATION EMINE		comments
30-124 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months Every 6 m													
POINT 12 Boiler number 5 combined exhaust - duct A and B (points 4 and 5) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOCZO/476695 AND DOCZO/476695-1). N/A				'									
POINT 12 Boiler number 5 combined exhaust - duct A and 8 (points 4 and 5) marked and shown as EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Description of Pollutant Unit of Measure Unit of Measure Sample Mean of Implication of Measure Mean of Implication of Measure Mean of Implication of Measure Mean of Implication Mean												N/A	
Jul-24 Sulfur dioxide (mg/m3) Continuous 88.3% Jul-24 617 801 943 N/A POINT 13 Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shownas EPA ID 13 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month Pollutant Unit of Measure Sample/Measurement Frequency 8 Analysed Date Sampled Value Samples Value Concentration Limit Concentration Limit (yes/no) Comments Jul-24 Nitrogen Oxides (mg/m3) Continuous 88.3% Jul-24 716 954 1207 N/A POINT 14 Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shownas EPA ID 14 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month Pollutant Unit of Measure Sample/Measurement Frequency 8 Analysed Date Sampled Value Samples Value Concentration Limit Co	Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled							Comments
Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shownas EPA ID 13 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month	Jul-24 N	Nitrogen Oxides	(mg/m3)	Continuous	88.3%	Jul-24	354	624	791			N/A	
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analysed Date Sampled Value Samples Value Concentration Limit Value Concentration Limit (yes/no) Comments Jul-24 Nitrogen Oxides (mg/m3) Continuous 88.3% Jul-24 292 585 750 N/A POINT 14 Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shownas EPA ID 14 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695-1). Samples Collected Samples Value Samples Value Samples Value Concentration Limit (yes/no) Comments N/A	Jul-24 S	Sulfur dioxide	(mg/m3)	Continuous	88.3%	Jul-24	617	801	943			N/A	
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analysed Date Sampled Value Samples Value Concentration Limit Concentration Limit (yes/no) Comments	POINT 13 E	Boiler number 5 combined exhaust - duct C and D	(points 6 and 7) marked a	and shownas EPA ID 13 on The Plans ("VX837351-1 AND "V	X837351-2" 03/0	06/2020 EPA REFER	ENCE DOC20/47	6695 AND DOC20/	476695-1).			
Jul-24 Nitrogen Oxides (mg/m3) Continuous 88.3% Jul-24 292 585 750 N/A		Delletone	11-7-504	Complete to the control of the contr		Data Carrellad							
Dul-24 Sulfur dioxide (mg/m3) Continuous 88.3% Jul-24 716 954 1207 N/A										Concentration Limit	Concentration Limit		Comments
POINT 14 Boiler number 6 combined exhaust - duct A and 8 (points 8 and 9) marked and shownas EPA ID 14 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Month													
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analysed Jul-24 Nitrogen Oxides (mg/m3) Continuous 90.2% Jul-24 394 567 727 Unit-24 Sulfur dioxide (mg/m3) Continuous 90.2% Jul-24 670 890 1113 N/A POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695-1). Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance (vs-fno) Comments (vs-fno) N/A N/A Lowest Samples Value Samples Value Concentration Limit (vs-fno) N/A N/A N/A Exceedance (vs-fno) N/A N/A Divided to this provided to the provided t	Jui-24 S	Sullul dioxide	(mg/m3)	Continuous	00.5%	Jui-24	/16	954	1207			IV/A	
Month Pollutant Unit of Measure Sample/Measurement Frequency & Analysed Date Sampled Value Samples Value Concentration Limit (yes/no) Comments Jul-24 Nitrogen Oxides (mg/m3) Continuous 90.2% Jul-24 394 567 727 727 727 727 727 727 727 727 727 7	POINT 14 P	Boiler number 6 combined exhaust - duct A and B	(points 8 and 9) marked a	nd shownas EPA ID 14 on The Plans ("VX837351-1 AND "V	X837351-2" 03/0	06/2020 EPA REFER	ENCE DOC20/47	6695 AND DOC20/	476695-1).			
Jul-24 Nitrogen Oxides (mg/m3) Continuous 90.2% Jul-24 394 567 727 N/A Jul-24 Sulfur dioxide (mg/m3) Continuous 90.2% Jul-24 670 890 1113 N/A POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance					Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Jul-24 Sulfur dioxide (mg/m3) Continuous 90.2% Jul-24 670 890 1113 N/A POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance	Month	Pollutant		Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit		Comments
POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance													
Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance	Jul-24 S	Sulfur dioxide	(mg/m3)	Continuous	90.2%	Jul-24	670	890	1113			N/A	
Samples Collected Lowest Sample Mean of Highest Sample 99 Percentile 100 Percentile Exceedance	POINT 15 B	Boiler number 6 combined exhaust - duct C and D	(points 10 and 11) marke	d and shownas EPA ID 12 on The Plan	s ("VX837351-1 AND '	"VX837351-2" 03	3/06/2020 EPA REF	ERENCE DOC20/	476695 AND DOC2	0/476695-1).			
			, , , , , , , , , , , , , , , , , , , ,								100 Damastila	Funnadaman	
worker rolling rolling to the assure sample/ interpretable requestly & Analysed Date sampled Value Samples Value Concentration Limit (yes/no) Comments		Pollutant	Unit of Monsy	Sample /Massurament Erasurament		Data Samulad							Comments
Jul-24 Nitrogen Oxides (mg/m3) Continuous 90.4% Jul-24 441 609 760 N/A											Concentration Limit		Comments
JUI-24 NITOGEN UXIDES (MB/JMS) CONTINUOUS 90.4% JUI-24 441 509 760 N/A JUI-24 NITOGEN UXIDES (MB/JMS) CONTINUOUS 90.4% JUI-24 45 565 850 991 N/A							441	600					

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 "VX83735	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	Concentration Limit	Limit (yes/no)	Comments
Jul-24	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	2/07/2024	0	0	0		0.2	No	
Jul-24	Copper	(mg/L)	Monthly during discharge	1	2/07/2024	0.001	0.001	0.001		0.005	No	
Jul-24	Iron	(mg/L)	Monthly during discharge	1	2/07/2024	0.13	0.13	0.13		0.3	No	
Jul-24	Oil and Grease	Visible	Continuous during discharge	100%	Jul-24	NIL	NIL	NIL				
Jul-24	Selenium	(mg/L)	Monthly during discharge	1	2/07/2024	0.002	0.002	0.002		0.005	No	
Jul-24	Temperature	(°C)	Continuous during discharge	100%	Jul-24	18.0	24.1	28.6	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 "VX83	7351-2" 03/06/2	2020 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
Jul-24	Aluminium	(mg/L)	Monthly during discharge	1	2/07/2024	0.27	0.27	0.27			(),,	
Jul-24	Ammonia	(mg/L)	Monthly during discharge	1	2/07/2024	0.150	0.150	0.150				
Jul-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	2/07/2024	0.007	0.007	0.007				
Jul-24	Cadmium	(mg/L)	Monthly during discharge	1	2/07/2024	<0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	2/07/2024	0.010	0.010	0.010				
Jul-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	2/07/2024	0.040	0.040	0.040				
Jul-24	Copper	(mg/L)	Monthly during discharge	1	2/07/2024	0.011	0.011	0.011				
Jul-24	Iron	(mg/L)	Monthly during discharge	1	2/07/2024	0.550	0.550	0.550				
Jul-24	Lead	(mg/L)	Monthly during discharge	1	2/07/2024	0.0030	0.0030	0.0030				
Jul-24	Manganese	(mg/L)	Monthly during discharge	1	2/07/2024	0.0200	0.0200	0.0200				
Jul-24	Nickel	(mg/L)	Monthly during discharge	1	2/07/2024	0.004	0.004	0.004				
Jul-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	2/07/2024	0.062	0.062	0.062				
Jul-24	Nitrogen	(mg/L)	Monthly during discharge	1	2/07/2024	0.50	0.50	0.50				
Jul-24	pH	pН	Monthly during discharge	1	2/07/2024	9.35	9.35	9.35		6.5 - 9.5	No	
Jul-24	Phosphorus	(mg/L)	Monthly during discharge	1	2/07/2024	0.10	0.10	0.10				
Jul-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	2/07/2024	0.03	0.03	0.03				
Jul-24	Selenium	(mg/L)	Monthly during discharge	1	2/07/2024	0.061	0.061	0.061				
Jul-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	2/07/2024	0.4	0.4	0.4				_
Jul-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	2/07/2024	22	22	22		50	No	
Jul-24	Vanadium	(mg/L)	Monthly during discharge	1	2/07/2024	0.09	0.09	0.09				
Jul-24	Zinc	(mg/L)	Monthly during discharge	1	2/07/2024	0.062	0.062	0.062				

POINT 24	Discharge of seepage water from the ash dam reh	nabilitation area to Manne	ring 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	15-1).		
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
Jul-24	Aluminium	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Ammonia	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Arsenic (III)	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Arsenic (V)	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Cadmium	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Copper	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Iron	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Lead	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Manganese	(mg/L)	Monthly during discharge	1	2/07/2024				No			No discharge from EPA Point 24 during July 2024
Jul-24	Nickel	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Nitrogen	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	pH	pH	Monthly during discharge	1	2/07/2024				No	6.5 - 9.5	No	
Jul-24	Phosphorus	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Selenium	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Total Suspended Solids	(mg/L)	Monthly during discharge	1	2/07/2024				No	50	No	
Jul-24	Vanadium	(mg/L)	Monthly during discharge	1	2/07/2024				No			
Jul-24	Zinc	(mg/L)	Monthly during discharge	1	2/07/2024				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).

	Distributed of over Bourses water from the astronom	• ,										
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
Jul-24	Aluminium	(mg/L)	Daily for any discharge >2 hrs	& Analyseu	Date Sampled	value	Samples	Value	No	Concentration Limit	(yes/no)	Comments
Jul-24 Jul-24	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No No			
Jul-24	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Arsenic (III) Arsenic (V)	(mg/L)							No			
			Daily for any discharge >2 hrs									
Jul-24	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during July 2024
Jul-24	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5		
Jul-24	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jul-24	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50		
Jul-24	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			_
Jul-24	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).				
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
Jul-24	Aluminium	(mg/L)	Quarterly	1	2/07/2024	2.10	2.10	2.10				
Jul-24	Ammonia	(mg/L)	Quarterly	1	2/07/2024	3.4	3.4	3.4				
Jul-24	Arsenic (III)	(mg/L)	Quarterly	1	2/07/2024	0.002	0.002	0.002				
Jul-24	Arsenic (V)	(mg/L)	Quarterly	1	2/07/2024	0.004	0.004	0.004				
Jul-24	Cadmium	(mg/L)	Quarterly	1	2/07/2024	< 0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	2/07/2024	<0.005	<0.005	< 0.005				
Jul-24	Copper	(mg/L)	Quarterly	1	2/07/2024	0.011	0.011	0.011				
Jul-24	Electrical Conductivity	(us/cm)	Quarterly	1	2/07/2024	31498	31498	31498				
Jul-24	Iron	(mg/L)	Quarterly	1	2/07/2024	60.0	60.0	60.0				
Jul-24	Lead	(mg/L)	Quarterly	1	2/07/2024	0.006	0.006	0.006				Next sample scheduled for October 2024
Jul-24	Magnesium	(mg/L)	Quarterly	1	2/07/2024	710	710	710				
Jul-24	Manganese	(mg/L)	Quarterly	1	2/07/2024	4.7	4.7	4.7				
Jul-24	Nickel	(mg/L)	Quarterly	1	2/07/2024	0.030	0.030	0.030				
Jul-24	pH	pH	Quarterly	1	2/07/2024	5.85	5.85	5.85				
Jul-24	Potassium	(mg/L)	Quarterly	1	2/07/2024	110	110	110				
Jul-24	Selenium	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Sodium	(mg/L)	Quarterly	1	2/07/2024	6100	6100	6100		•		
Jul-24	Standing Water Level	(m)	Quarterly	1	2/07/2024	3.80	3.80	3.80		•		
Jul-24	Vanadium	(mg/L)	Quarterly	1	2/07/2024	0.005	0.005	0.005				·
Jul-24	Zinc	(mg/L)	Quarterly	1	2/07/2024	0.100	0.100	0.100				<u> </u>

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).											
				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
Jul-24	Aluminium	(mg/L)	Quarterly	1	2/07/2024	3.00	3.00	3.00				
Jul-24	Ammonia	(mg/L)	Quarterly	1	2/07/2024	0.02	0.02	0.02				
Jul-24	Arsenic (III)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Arsenic (V)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	<0.001	< 0.001				
Jul-24	Cadmium	(mg/L)	Quarterly	1	2/07/2024	<0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	<0.005				
Jul-24	Copper	(mg/L)	Quarterly	1	2/07/2024	0.016	0.016	0.016				
Jul-24	Electrical Conductivity	(us/cm)	Quarterly	1	2/07/2024	1084	1084	1084				
Jul-24	Iron	(mg/L)	Quarterly	1	2/07/2024	7	7	7				
Jul-24	Lead	(mg/L)	Quarterly	1	2/07/2024	0.010	0.010	0.010				Next sample scheduled for October 2024
Jul-24	Magnesium	(mg/L)	Quarterly	1	2/07/2024	14	14	14				
Jul-24	Manganese	(mg/L)	Quarterly	1	2/07/2024	0.1	0.1	0.1				
Jul-24	Nickel	(mg/L)	Quarterly	1	2/07/2024	0.004	0.004	0.004				
Jul-24	pH	pH	Quarterly	1	2/07/2024	6.81	6.81	6.81				
Jul-24	Potassium	(mg/L)	Quarterly	1	2/07/2024	2.0	2.0	2.0				
Jul-24	Selenium	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Sodium	(mg/L)	Quarterly	1	2/07/2024	83	83	83				_
Jul-24	Standing Water Level	(m)	Quarterly	1	2/07/2024	1.10	1.10	1.10				
Jul-24	Vanadium	(mg/L)	Quarterly	1	2/07/2024	0.006	0.006	0.006				_
Jul-24	Zinc	(mg/L)	Quarterly	1	2/07/2024	0.29	0.29	0.29				

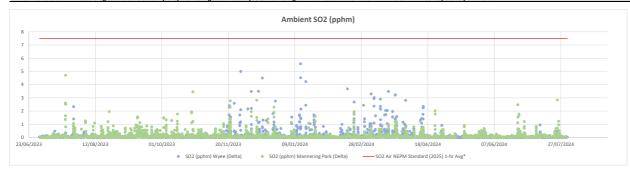
POINT 32	Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Jul-24	Aluminium	(mg/L)	Quarterly	1	2/07/2024	1.40	1.40	1.40				
Jul-24	Ammonia	(mg/L)	Quarterly	1	2/07/2024	0.01	0.01	0.01				
Jul-24	Arsenic (III)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Arsenic (V)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Cadmium	(mg/L)	Quarterly	1	2/07/2024	< 0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Copper	(mg/L)	Quarterly	1	2/07/2024	0.007	0.007	0.007				
Jul-24	Electrical Conductivity	(us/cm)	Quarterly	1	2/07/2024	292	292	292				
Jul-24	Iron	(mg/L)	Quarterly	1	2/07/2024	8	8	8				
Jul-24	Lead	(mg/L)	Quarterly	1	2/07/2024	0.002	0.002	0.002				Next sample scheduled for October 2024
Jul-24	Magnesium	(mg/L)	Quarterly	1	2/07/2024	7	7	7				
Jul-24	Manganese	(mg/L)	Quarterly	1	2/07/2024	0.045	0.045	0.045				
Jul-24	Nickel	(mg/L)	Quarterly	1	2/07/2024	0.009	0.009	0.009				
Jul-24	pH	pH	Quarterly	1	2/07/2024	5.83	5.83	5.83				
Jul-24	Potassium	(mg/L)	Quarterly	1	2/07/2024	2.0	2.0	2.0				
Jul-24	Selenium	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Sodium	(mg/L)	Quarterly	1	2/07/2024	41	41	41				-
Jul-24	Standing Water Level	(m)	Quarterly	1	2/07/2024	3.16	3.16	3.16				·
Jul-24	Vanadium	(mg/L)	Quarterly	1	2/07/2024	0.003	0.003	0.003				·
Jul-24	Zinc	(mg/L)	Quarterly	1	2/07/2024	0.039	0.039	0.039				

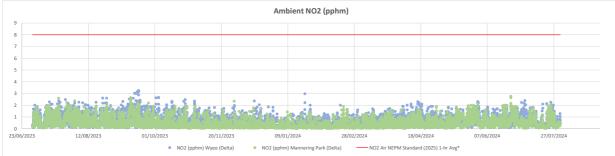
POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Jul-24	Aluminium	(mg/L)	Quarterly	1	2/07/2024	1.8	1.8	1.8				
Jul-24	Ammonia	(mg/L)	Quarterly	1	2/07/2024	0.30	0.30	0.30				
Jul-24	Arsenic (III)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Arsenic (V)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	< 0.001	< 0.001				
Jul-24	Cadmium	(mg/L)	Quarterly	1	2/07/2024	< 0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	<0.005				
Jul-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Copper	(mg/L)	Quarterly	1	2/07/2024	0.006	0.006	0.006				
Jul-24	Electrical Conductivity	(us/cm)	Quarterly	1	2/07/2024	38719	38719	38719				
Jul-24	Iron	(mg/L)	Quarterly	1	2/07/2024	50	50	50				
Jul-24	Lead	(mg/L)	Quarterly	1	2/07/2024	0.003	0.003	0.003				Next sample scheduled for October 2024
Jul-24	Magnesium	(mg/L)	Quarterly	1	2/07/2024	1100	1100	1100				
Jul-24	Manganese	(mg/L)	Quarterly	1	2/07/2024	0.40	0.40	0.40				
Jul-24	Nickel	(mg/L)	Quarterly	1	2/07/2024	0.005	0.005	0.005				
Jul-24	pH	pH	Quarterly	1	2/07/2024	6.76	6.76	6.76				
Jul-24	Potassium	(mg/L)	Quarterly	1	2/07/2024	300	300	300				
Jul-24	Selenium	(mg/L)	Quarterly	1	2/07/2024	< 0.001	<0.001	< 0.001				_
Jul-24	Sodium	(mg/L)	Quarterly	1	2/07/2024	8000	8000	8000				
Jul-24	Standing Water Level	(m)	Quarterly	1	2/07/2024	0.44	0.44	0.44				_
Jul-24	Vanadium	(mg/L)	Quarterly	1	2/07/2024	0.010	0.010	0.010				
Jul-24	Zinc	(mg/L)	Quarterly	1	2/07/2024	0.110	0.110	0.110				

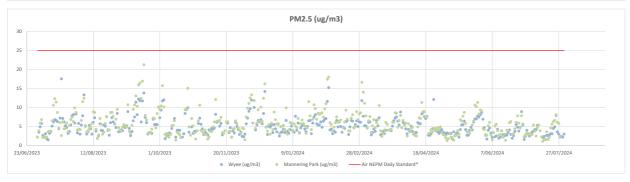
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Jul-24	Aluminium	(mg/L)	Quarterly	1	2/07/2024	3.0	3.0	3.0				
Jul-24	Ammonia	(mg/L)	Quarterly	1	2/07/2024	0.041	0.041	0.041				
Jul-24	Arsenic (III)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	<0.001	< 0.001				
Jul-24	Arsenic (V)	(mg/L)	Quarterly	1	2/07/2024	< 0.001	<0.001	< 0.001				
Jul-24	Cadmium	(mg/L)	Quarterly	1	2/07/2024	< 0.0001	< 0.0001	< 0.0001				
Jul-24	Chromium (trivalent)	(mg/L)	Quarterly	1	2/07/2024	< 0.005	< 0.005	< 0.005				
Jul-24	Chromium (VI) Compounds	(mg/L)	Quarterly	1	2/07/2024	< 0.005	<0.005	< 0.005				
Jul-24	Copper	(mg/L)	Quarterly	1	2/07/2024	0.014	0.014	0.014				
Jul-24	Electrical Conductivity	(us/cm)	Quarterly	1	2/07/2024	614	614	614				
Jul-24	Iron	(mg/L)	Quarterly	1	2/07/2024	11.0	11.0	11.0				Next sample scheduled for October 2024
Jul-24	Lead	(mg/L)	Quarterly	1	2/07/2024	0.006	0.006	0.006				
Jul-24	Magnesium	(mg/L)	Quarterly	1	2/07/2024	9.2	9.2	9.2				
Jul-24	Manganese	(mg/L)	Quarterly	1	2/07/2024	0.077	0.077	0.077				
Jul-24	Nickel	(mg/L)	Quarterly	1	2/07/2024	0.009	0.009	0.009				
Jul-24	pH	pН	Quarterly	1	2/07/2024	5.42	5.42	5.42				
Jul-24	Potassium	(mg/L)	Quarterly	1	2/07/2024	3	3	3				
Jul-24	Selenium	(mg/L)	Quarterly	1	2/07/2024	< 0.001	<0.001	< 0.001				
Jul-24	Sodium	(mg/L)	Quarterly	1	2/07/2024	97	97	97				
Jul-24	Standing Water Level	(m)	Quarterly	1	2/07/2024	0.27	0.27	0.27				
Jul-24	Vanadium	(mg/L)	Quarterly	1	2/07/2024	0.03	0.03	0.03				
Jul-24	Zinc	(mg/L)	Quarterly	1	2/07/2024	0.17	0.17	0.17				

Ambient Air Quality Graphs

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







SENERAL COMMENTS

*For more information about the Australian Governments National Environment Protection (Ambient Air Quality) Measure (Air NEPM) visit https://www.nepc.gov.au/nepms/ambient-air-quality