## **Vales Point Power Station Monthly Environmental Data Summary**

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	November 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).			
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
Nov-23	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Nov-23	Chlorine	(mg/m3)	Every 6 months							20	No	
Nov-23	Fluorine	(mg/m3)	Every 6 months							30	No	
Nov-23	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Nov-23	Mercury	(mg/m3)	Every 6 months							0.05	No	
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	96.0%	Nov-23	390	663	794	850	980	No	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	1.5	1.5	1.5		50	No	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	96.0%	Nov-23	640	906	1224	1400	1700	No	
Nov-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	_
Nov-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	to 11 to Point 1 marked a	nd shown as EPA ID 3 on The Plans ("\	/X837351-1 AND "VX	(837351-2" 03/06	5/2020 EPA REFERE	ENCE DOC20/47	695 AND DOC20/4	176695-1).			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceed 100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Cadmium	(mg/m3)	Every 6 months							0.2	No	
Nov-23	Chlorine	(mg/m3)	Every 6 months							20	No	
Nov-23	Fluorine	(mg/m3)	Every 6 months							30	No	
Nov-23	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
Nov-23	Mercury	(mg/m3)	Every 6 months							0.05	No	
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	95.7%	Nov-23	483	703	825	850	980	No	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	4.1	4.1	4.1		50	No	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	95.7%	Nov-23	740	1058	1557	1400	1700	No	
Nov-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
Nov-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	nns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	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
Nov-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Nov-23	Carbon dioxide	(%)	Every 6 months								N/A	
Nov-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Nov-23	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	<1.2	<1.2	<1.2			N/A	
Nov-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-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	wn as EPA ID 5 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC20	)/476695-1).					
							,					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Nov-23	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	1.3	1.3	1.3			N/A	
Nov-23	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 sho	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).					
	Bullistand		C	Samples Collected	Bata Camalad	Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	<b>6</b>
Month Nov-23	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no) N/A	Comments
Nov-23 Nov-23	Carbon dioxide	(mg/m3) (%)	Every 6 months								N/A N/A	
Nov-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Hydrogen chloride	(mg/m3)	Every 6 months	1							N/A	
Nov-23	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	2.8	2.8	2.8			N/A	
Nov-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	İ			-				N/A	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-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	wn as EPA ID 7 on The Pla	ns ("VX837351-1 AND "VX837351-2"	03/06/2020 EPA REF	ERENCE DOC20/4	76695 AND DOC2	0/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	C				1	Comments
					Date Jampieu	value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Confinents
Nov-23	Cadmium	(mg/m3)	Every 6 months		Date Jampieu	value	Samples	Value	Concentration Limit	Concentration Limit	N/A	Comments
Nov-23 Nov-23	Cadmium Mercury	(mg/m3) (mg/m3)		,		value	Samples	Value	Concentration Limit	Concentration Limit	N/A N/A	comments
	Mercury Solid Particles	(mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly	1	Oct-23	<0.9	<0.9	<0.9	Concentration Limit	Concentration Limit	N/A N/A N/A	Comments
Nov-23	Mercury	(mg/m3)	Every 6 months Every 6 months				·		Concentration Limit	Concentration Limit	N/A N/A	Commens
Nov-23 Nov-23 Nov-23	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	1	Oct-23	<0.9	<0.9		Concentration Limit	Concentration Limit	N/A N/A N/A	Commens
Nov-23 Nov-23	Mercury Solid Particles	(mg/m3) (mg/m3) (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months	1	Oct-23	<0.9	<0.9		Concentration Limit	Concentration Limit	N/A N/A N/A	Commens
Nov-23 Nov-23 Nov-23	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	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9	<0.9			N/A N/A N/A N/A	Commens
Nov-23 Nov-23 Nov-23 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) wn as EPA ID 8 on The Pla	Every 6 months Every 6 months Quarterly Every 6 months  ons ("VX837351-1 AND "VX837351-2"	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A Exceedance	
Nov-23 Nov-23 Nov-23 POINT 8	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho Pollutant	(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	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9	<0.9			N/A N/A N/A N/A N/A Exceedance (yes/no)	Comments
Nov-23 Nov-23 Nov-23 POINT 8	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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  ons ("VX837351-1 AND "VX837351-2"  Sample/Measurement Frequency Every 6 months	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 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	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide	(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	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 Highest Sample	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 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 N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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)	Every 6 months Every 6 months Quarterly Every 6 months  or ("VX837351-1 AND "VX837351-2"  Sample/Measurement Frequency Every 6 months	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 Highest Sample	99 Percentile	100 Percentile	N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride	(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	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 Highest Sample	99 Percentile	100 Percentile	N/A   N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride 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	1 03/06/2020 EPA REI Samples Collected & Analysed	Oct-23  ERENCE DOC20/4  Date Sampled	<0.9  76695 AND DOC2  Lowest Sample  Value	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide Chlorine Fluorine Hydrogen chloride Mercury Solid Particles	(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)	Every 6 months Every 6 months Quarterly Every 6 months  start 6 months  Every 6 months  Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months Every 6 months	1 03/06/2020 EPA REF	Oct-23	<0.9	<0.9 0/476695-1).	<0.9 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	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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)  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	1 03/06/2020 EPA REI Samples Collected & Analysed	Oct-23  ERENCE DOC20/4  Date Sampled	<0.9  76695 AND DOC2  Lowest Sample  Value	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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) 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  "VX837351-1 AND "VX837351-2"  Sample/Measurement Frequency Every 6 months	1 03/06/2020 EPA REI Samples Collected & Analysed	Oct-23  ERENCE DOC20/4  Date Sampled	<0.9  76695 AND DOC2  Lowest Sample  Value	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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)  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	1 03/06/2020 EPA REI Samples Collected & Analysed	Oct-23  ERENCE DOC20/4  Date Sampled	<0.9  76695 AND DOC2  Lowest Sample  Value	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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	(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	1 03/06/2020 EPA REF Samples Collected & Analysed	Oct-23  Date Sampled  Oct-23	<0.9  76695 AND DOC2  Lowest Sample Value  6.9	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-24 Nov-24 Nov-24 Nov-24 Nov-25 No	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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) (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	1 03/06/2020 EPA REF Samples Collected & Analysed	Oct-23  Date Sampled  Oct-23	<0.9  76695 AND DOC2  Lowest Sample Value  6.9	<0.9 0/476695-1). Mean of Samples	<0.9  Highest Sample Value	99 Percentile	100 Percentile	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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	(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	1 03/06/2020 EPA REF	Oct-23  Date Sampled  Oct-23	<0.9  76695 AND DOC20  Lowest Sample  Value  6.9  76695 AND DOC20	<0.9 0/476695-1). Mean of Samples 6.9	<0.9 Highest Sample Value 6.9	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A N/A N/A N/A N/A N/A N/A N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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	(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	1 03/06/2020 EPA REF Samples Collected & Analysed  1 1 03/06/2020 EPA REF Samples Collected	Oct-23  Date Sampled  Oct-23  Oct-23	76695 AND DOC2 Lowest Sample Value  6.9  76695 AND DOC2 Lowest Sample	<0.9 0/476695-1). Mean of Samples 6.9 0/476695-1).	<0.9  Highest Sample Value  6.9  Highest Sample	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A	
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-24 No	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide Chlorine Fluorine Fluorine 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) 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	1 03/06/2020 EPA REF	Oct-23  Date Sampled  Oct-23	<0.9  76695 AND DOC20  Lowest Sample  Value  6.9  76695 AND DOC20	<0.9 0/476695-1). Mean of Samples 6.9	<0.9 Highest Sample Value 6.9	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A   N/A	Comments
Nov-23 Nov-23 Nov-23 POINT 8 Month Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23 Nov-23	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  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  Pollutant Cadmium	(mg/m3) (mg/m3) (mg/m3) (mg/m3) wn as EPA ID 8 on The Pla  Unit of Measure (mg/m3) (%) (mg/m3) unit of Measure (mg/m3)	Every 6 months Every 6 months Quarterly Every 6 months  Sample/Measurement Frequency Every 6 months	1 03/06/2020 EPA REF Samples Collected & Analysed  1 1 03/06/2020 EPA REF Samples Collected	Oct-23  Date Sampled  Oct-23  Oct-23	76695 AND DOC2 Lowest Sample Value  6.9  76695 AND DOC2 Lowest Sample	<0.9 0/476695-1). Mean of Samples 6.9 0/476695-1).	<0.9  Highest Sample Value  6.9  Highest Sample	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A	Comments
Nov-23 Nov-23 Nov-23 POINT 8  Month Nov-23 Nov-24 Nov-25 Nov-25 Nov-27 Nov-27 Nov-28 Nov-29 N	Mercury Solid Particles Type 1 and Type 2 substances in aggregate  Boiler number 6 exhaust - duct A marked and sho  Pollutant Cadmium Carbon dioxide Chlorine Fluorine Fluorine 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) 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	1 03/06/2020 EPA REF Samples Collected & Analysed  1 1 03/06/2020 EPA REF Samples Collected	Oct-23  Date Sampled  Oct-23  Oct-23	76695 AND DOC2 Lowest Sample Value  6.9  76695 AND DOC2 Lowest Sample	<0.9 0/476695-1). Mean of Samples 6.9 0/476695-1).	<0.9  Highest Sample Value  6.9  Highest Sample	99 Percentile Concentration Limit	100 Percentile Concentration Limit	N/A	Comments

POINT 10	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).					
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Nov-23	Carbon dioxide	(%)	Every 6 months								N/A	
Nov-23	Chlorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Fluorine	(mg/m3)	Every 6 months								N/A	
Nov-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
Nov-23	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	<1.2	<1.2	<1.2			N/A	
Nov-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
Nov-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	
POINT 11	Boiler number 6 exhaust - duct D marked and sho	own as EPA ID 11 on The P	lans ("VX837351-1 AND "VX837351-2	" 03/06/2020 EPA RE	FERENCE DOC20	/476695 AND DOC	20/476695-1).					
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Cadmium	(mg/m3)	Every 6 months								N/A	
Nov-23	Mercury	(mg/m3)	Every 6 months								N/A	
Nov-23	Solid Particles	(mg/m3)	Quarterly	1	Oct-23	1.1	1.1	1.1			N/A	
Nov-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
POINT 12	Boiler number 5 combined exhaust - duct A and B	(points 4 and 5) marked a	and shown as EPA ID 12 on The Plans (	"VX837351-1 AND "V	X837351-2" 03/	06/2020 EPA REFE	RENCE DOC20/4	76695 AND DOC20,	/476695-1).			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	96.3%	Nov-23	339	649	831			N/A	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	96.3%	Nov-23	588	823	1121			N/A	
POINT 13	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	6/2020 EPA REFER	RENCE DOC20/47	76695 AND DOC20/	476695-1).			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	95.7%	Nov-23	358	677	873			N/A	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	95.7%	Nov-23	687	989	1326			N/A	
POINT 14	Boiler number 6 combined exhaust - duct A and E	(points 8 and 9) marked a	and shownas EPA ID 14 on The Plans (	"VX837351-1 AND "V	X837351-2" 03/0	6/2020 EPA REFER	RENCE DOC20/47	76695 AND DOC20/	476695-1).			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	95.7%	Nov-23	529	750	918			N/A	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	95.7%	Nov-23	730	1081	1566			N/A	
POINT 15	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	FERENCE DOC20	/476695 AND DOC2	0/476695-1).			
	aut cura	, , , , , , , , , , , , , , , , , , ,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,			
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Nitrogen Oxides	(mg/m3)	Continuous	95.7%	Nov-23	438	656	781		2000	N/A	
Nov-23	Sulfur dioxide	(mg/m3)	Continuous	95.7%	Nov-23	749	1035	1579			N/A	
25		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		//0	25		-555					

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 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		Exceed 100% Limit (yes/no)	
Nov-23	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	8/11/2023	0	0	0		0.2	No	
Nov-23	Copper	(mg/L)	Monthly during discharge	1	8/11/2023	<0.002	< 0.002	< 0.002		0.005	No	
Nov-23	Iron	(mg/L)	Monthly during discharge	1	8/11/2023	0.040	0.040	0.040		0.3	No	
Nov-23	Oil and Grease	Visible	Continuous during discharge	100%	Nov-23	NIL	NIL	NIL				
Nov-23	Selenium	(mg/L)	Monthly during discharge	1	8/11/2023	<0.002	<0.002	< 0.002		0.005	No	
Nov-23	Temperature	(°C)	Continuous during discharge	100%	Nov-23	25.5	30.3	34.7	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	7351-2" 03/06/2	2020 EPA REFEREN	CE DOC20/476695 AND [	OC20/476695-1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample	99 Percentile	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-23	Aluminium	(mg/L)	Monthly during discharge	1	8/11/2023	0.02	0.02	0.02			(),,	
Nov-23	Ammonia	(mg/L)	Monthly during discharge	1	8/11/2023	0.022	0.022	0.022				
Nov-23	Arsenic (III)	(mg/L)	Monthly during discharge	1	8/11/2023	< 0.001	<0.001	< 0.001				
Nov-23	Arsenic (V)	(mg/L)	Monthly during discharge	1	8/11/2023	0.011	0.011	0.011				
Nov-23	Cadmium	(mg/L)	Monthly during discharge	1	8/11/2023	<0.0002	< 0.0002	<0.0002				
Nov-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	8/11/2023	<0.005	<0.005	< 0.005				
Nov-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	8/11/2023	0.040	0.040	0.040				
Nov-23	Copper	(mg/L)	Monthly during discharge	1	8/11/2023	<0.002	<0.002	< 0.002				
Nov-23	Iron	(mg/L)	Monthly during discharge	1	8/11/2023	0.030	0.030	0.030				
Nov-23	Lead	(mg/L)	Monthly during discharge	1	8/11/2023	<0.002	<0.002	< 0.002				
Nov-23	Manganese	(mg/L)	Monthly during discharge	1	8/11/2023	<0.01	< 0.01	< 0.01				
Nov-23	Nickel	(mg/L)	Monthly during discharge	1	8/11/2023	<0.002	<0.002	< 0.002				
Nov-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	8/11/2023	0.006	0.006	0.006				
Nov-23	Nitrogen	(mg/L)	Monthly during discharge	1	8/11/2023	0.20	0.20	0.20				
Nov-23	pH	pН	Monthly during discharge	1	8/11/2023	9.1	9.1	9.1		6.5 - 9.5	No	
Nov-23	Phosphorus	(mg/L)	Monthly during discharge	1	8/11/2023	0.10	0.10	0.10				
Nov-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	8/11/2023	0.02	0.02	0.02				
Nov-23	Selenium	(mg/L)	Monthly during discharge	1	8/11/2023	0.037	0.037	0.037				
Nov-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	8/11/2023	0.2	0.2	0.2				_
Nov-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1	8/11/2023	17	17	17		50	No	
Nov-23	Vanadium	(mg/L)	Monthly during discharge	1	8/11/2023	0.07	0.07	0.07				
Nov-23	Zinc	(mg/L)	Monthly during discharge	1	8/11/2023	< 0.002	< 0.002	< 0.002				-

POINT 24	Discharge of seepage water from the ash dam reh	abilitation area to Manne	ring Bay marked and shown as EPA ID	24 on The Plans ("V)	(837351-1 AND "	/X837351-2" 03/0	6/2020 EPA REF	ERENCE DOC20/47	6695 AND DOC20/47669	95-1).		
				Samples Collected		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value		Concentration Limit	(yes/no)	Comments
Nov-23	Aluminium	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Ammonia	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Arsenic (III)	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Arsenic (V)	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Cadmium	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Copper	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Iron	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Lead	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Manganese	(mg/L)	Monthly during discharge	1	8/11/2023				No			No discharge from EPA Point 24 during November 2023
Nov-23	Nickel	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Nitrogen	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	pH	pH	Monthly during discharge	1	8/11/2023				No	6.5 - 9.5	No	
Nov-23	Phosphorus	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Selenium	(mg/L)	Monthly during discharge	1	8/11/2023				No			·
Nov-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1	8/11/2023				No	50	No	
Nov-23	Vanadium	(mg/L)	Monthly during discharge	1	8/11/2023				No			
Nov-23	Zinc	(mg/L)	Monthly during discharge	1	8/11/2023				No			

POIN	T 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).

	Discharge of over boarded water from the asir da											
				Samples Collected		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value		Concentration Limit	(yes/no)	Comments
Nov-23	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during November 2023
Nov-23	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Nov-23	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-23	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			·
Nov-23	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			·
Nov-23	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Nov-23	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Nov-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 1	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2020 EI	PA REFERENCE DO	OC20/476695 AND	DOC20/476695	-1).				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Nov-23	Aluminium	(mg/L)	Quarterly									
Nov-23	Ammonia	(mg/L)	Quarterly									
Nov-23	Arsenic (III)	(mg/L)	Quarterly									
Nov-23	Arsenic (V)	(mg/L)	Quarterly									
Nov-23	Cadmium	(mg/L)	Quarterly									
Nov-23	Chromium (trivalent)	(mg/L)	Quarterly									
Nov-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Nov-23	Copper	(mg/L)	Quarterly									
Nov-23	Electrical Conductivity	(us/cm)	Quarterly									
Nov-23	Iron	(mg/L)	Quarterly									
Nov-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Nov-23	Magnesium	(mg/L)	Quarterly									
Nov-23	Manganese	(mg/L)	Quarterly									
Nov-23	Nickel	(mg/L)	Quarterly									
Nov-23	pH	pH	Quarterly									
Nov-23	Potassium	(mg/L)	Quarterly									
Nov-23	Selenium	(mg/L)	Quarterly									
Nov-23	Sodium	(mg/L)	Quarterly									
Nov-23	Standing Water Level	(m)	Quarterly									
Nov-23	Vanadium	(mg/L)	Quarterly									
Nov-23	Zinc	(mg/L)	Quarterly									

POINT 31	Groundwater quality monitoring bore marked and shown as EPA ID 31 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples Collected		Lowest Sample	Mean of	Highest Sample	99 Percentile	100 Percentile	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	& Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	(yes/no)	Comments
Nov-23	Aluminium	(mg/L)	Quarterly									
Nov-23	Ammonia	(mg/L)	Quarterly									
Nov-23	Arsenic (III)	(mg/L)	Quarterly									
Nov-23	Arsenic (V)	(mg/L)	Quarterly									
Nov-23	Cadmium	(mg/L)	Quarterly									
Nov-23	Chromium (trivalent)	(mg/L)	Quarterly									
Nov-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
Nov-23	Copper	(mg/L)	Quarterly									
Nov-23	Electrical Conductivity	(us/cm)	Quarterly									
Nov-23	Iron	(mg/L)	Quarterly									
Nov-23	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2024
Nov-23	Magnesium	(mg/L)	Quarterly									
Nov-23	Manganese	(mg/L)	Quarterly									
Nov-23	Nickel	(mg/L)	Quarterly									
Nov-23	pH	pH	Quarterly									
Nov-23	Potassium	(mg/L)	Quarterly						•			
Nov-23	Selenium	(mg/L)	Quarterly									
Nov-23	Sodium	(mg/L)	Quarterly									
Nov-23	Standing Water Level	(m)	Quarterly									
Nov-23	Vanadium	(mg/L)	Quarterly									
Nov-23	Zinc	(mg/L)	Quarterly									

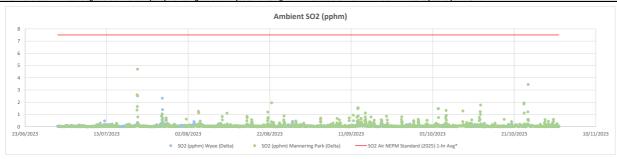
POINT 32	POINT 32 Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest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

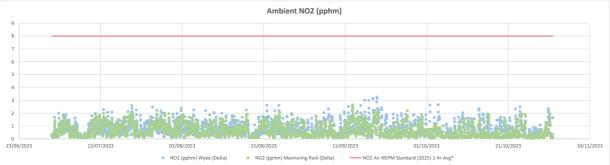
POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample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

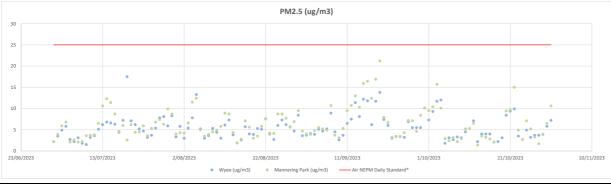
POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample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

## **Ambient Air Quality Graphs**

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







## GENERAL COMMENTS

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