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	March 2022	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points 4	to 7 to Point 1 mark	ed and shown as EPA ID 2 on The Pla	ns ("VX837351	-1 AND "VX83735	1-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AN	ND DOC20/47669	5-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &	Date Sampled	Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed		Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Mar-22	Chlorine	(mg/m3)	Every 6 months							20		
Mar-22	Fluorine	(mg/m3)	Every 6 months							30		
Mar-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Mar-22	Mercury	(mg/m3)	Every 6 months							0.05		
Mar-22	Nitrogen Oxides	(mg/m3)	Continuous	98.1%	Mar-22	298	632	833	850	980	No	
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	1.2	1.2	1.2		50	No	
Mar-22	Sulfur dioxide	(mg/m3)	Continuous	98.1%	Mar-22	541	685	889	1400	1700	No	
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Mar 22	VOCI	(/2)	Fuoru 6 months							10		

POINT 3	Combined air emissions from boiler 6 via Points 8	to 11 to Point 1 mar	ked and shown as EPA ID 3 on The Pla	ans ("VX83735	1-1 AND "VX8373	51-2" 03/06/2020	EPA REFERENC	E DOC20/476695 A	ND DOC20/4766	595-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Mar-22	Chlorine	(mg/m3)	Every 6 months							20		
Mar-22	Fluorine	(mg/m3)	Every 6 months							30		
Mar-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Mar-22	Mercury	(mg/m3)	Every 6 months							0.05		
Mar-22	Nitrogen Oxides	(mg/m3)	Continuous	98.6%	Mar-22	307	667	912	850	980	No	*Result corrected 5/8/22. See note at end of report*
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	42.6	42.6	42.6		50	No	
Mar-22	Sulfur dioxide	(mg/m3)	Continuous	98.6%	Mar-22	501	668	885	1400	1700	No	*Result corrected 5/8/22. See note at end of report*
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months				•			100		_
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				•			0.75		_
Mar-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•			10		_

				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Carbon dioxide	(%)	Every 6 months									
Mar-22	Chlorine	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Fluorine	(mg/m3)	Every 6 months									
Mar-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Mar-22	Moisture	(%)	Continuous									monitoring instrumentation.
Mar-22	Oxygen (O2)	(%)	Continuous									
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	1.8	1.8	1.8				
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-22	Temperature	(°C)	Continuous									
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 5	Boiler number 5 exhaust - duct B marked and sho	wn as EPA ID 5 on Th	e Plans ("VX837351-1 AND "VX83735	1-2" 03/06/2	020 EPA REFEREN	CE DOC20/476695	AND DOC20/47	6695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Mercury	(mg/m3)	Every 6 months									
Mar-22	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Mar-22	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	0.5	0.5	0.5				_
Mar-22	Temperature	(°C)	Continuous									·
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Roller number 5 exhaust - duct C marked and shown as EPA ID 6 on The Plans ("VXXX7351-1 AND "VXXX7351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1)	

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Carbon dioxide	(%)	Every 6 months									
Mar-22	Chlorine	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Fluorine	(mg/m3)	Every 6 months									
Mar-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Mar-22	Moisture	(%)	Continuous									monitoring instrumentation.
Mar-22	Oxygen (O2)	(%)	Continuous									
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	1.8	1.8	1.8				
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-22	Temperature	(°C)	Continuous									
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									_
Mar-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 7 Boiler number 5 exhaust - duct D marked and shown as EPA ID 7 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Mercury	(mg/m3)	Every 6 months									
Mar-22	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Mar-22	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	0.9	0.9	0.9				
Mar-22	Temperature	(°C)	Continuous									
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									·

POINT 8 Boiler number 6 exhaust - duct A marked and shown as EPA ID 8 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Carbon dioxide	(%)	Every 6 months									
Mar-22	Chlorine	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Fluorine	(mg/m3)	Every 6 months									
Mar-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Mar-22	Moisture	(%)	Continuous									monitoring instrumentation.
Mar-22	Oxygen (O2)	(%)	Continuous									
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	9.0	9.0	9.0				
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-22	Temperature	(°C)	Continuous									_
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Flow rate	(m3/s)	Continuous									
Mar-22	Mercury	(mg/m3)	Every 6 months									
Mar-22	Moisture	(%)	Continuous									See note at end of report regarding installation of contin
Mar-22	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Mar-22	Solid Particles	(mg/m3)	Quarterly	1	Nov-2021	9.5	9.5	9.5				
Mar-22	Temperature	(°C)	Continuous									
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
OINT 10	Boiler number 6 exhaust - duct C marked and she	own as EPA ID 10 on T	he Plans ("VX837351-1 AND "VX8373	51-2" 03/06/	2020 EPA REFERE	NCE DOC20/47669	5 AND DOC20/4	76695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Cadmium	(mg/m3)	Every 6 months									
Mar-22	Carbon dioxide	(%)	Every 6 months									
/lar-22	Chlorine	(mg/m3)	Every 6 months									
Var-22	Flow rate	(m3/s)	Continuous					İ				
/lar-22	Fluorine	(mg/m3)	Every 6 months					t				
/lar-22	Hydrogen chloride	(mg/m3)	Every 6 months					<u> </u>				
Mar-22	Mercury	(mg/m3)	Every 6 months					-				See note at end of report regarding installation of contin
viar-22 Viar-22	Moisture	(mg/m3) (%)	Continuous					t				monitoring instrumentation.
viar-22 Viar-22	Oxygen (O2)	(%)	Continuous					 				monitoring instrumentation.
viai-22 Viar-22	Solid Particles	. ,	Quarterly	1	Nov-2021	0.5	0.5	0.5				
		(mg/m3)		1	NOV-2021	0.5	0.5	0.5				
Mar-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-22	Temperature	(°C)	Continuous									
Mar-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
				Samples	ZOZO EI A NEI ENE	NCE DOC20/47669			99 Percentile	100 Percentile	Evenodanco	
	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance (ves/no)	Comments
Month	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples	Date Sampled						Exceedance (yes/no)	Comments
Month Mar-22	Pollutant Cadmium Flow rate	Unit of Measure (mg/m3) (m3/s)	Sample/Measurement Frequency Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
Month Mar-22 Mar-22	Cadmium Flow rate	(mg/m3) (m3/s)	Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
Month War-22 War-22 War-22	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
Month Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of contir
Month Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (02)	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous Continuous	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration		
Month Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of contin
Month Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration		See note at end of report regarding installation of contir
Month Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration		See note at end of report regarding installation of contin
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled Nov-2021	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of contin
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled Nov-2021	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of contin
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled Nov-2021	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of contin
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled Nov-2021	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of contin
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373	Date Sampled Nov-2021	116.0 351-2" 03/06/202	Mean of Samples 116.0	Highest Sample Value	Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 6695-1). 100 Percentile	(yes/no)	See note at end of report regarding installation of contin
Month Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Month	Cadmium Flow rate Mercury Moisture Owygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mar	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected &	Nov-2021	116.0 2351-2" 03/06/202 Lowest Sample	Mean of Samples 116.0 DEPAREFERENCE Mean of	Highest Sample Value 116.0 E DOC20/476695 Highest Sample	AND DOC20/476 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	(yes/no)	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed	Nov-2021 51-1 AND "VX837 Date Sampled	116.0 116.0 Lowest Sample Value	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples	Highest Sample Value 116.0 EDOC20/476695 Highest Sample Value	AND DOC20/476 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	Exceedance (yes/no)	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Red and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0%	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22	116.0 116.0 351-2" 03/06/20: Lowest Sample Value 270	Mean of Samples 116.0 DEPAREFERENCE Mean of Samples 597	Highest Sample Value 116.0 116.0 Highest Sample Value 730	AND DOC20/476 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	Exceedance (yes/no) N/A	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 100.0% 100.0%	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22	116.0 116.0 12.0 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20:	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 100.0% 100.0%	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22	116.0 116.0 12.0 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20:	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22 Month	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 100.0% 100.0%	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22	116.0 116.0 12.0 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20:	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of continuous monitoring instrumentation.
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% ans ("VX8373:	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22	116.0 116.0 12.0 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20: 1351-2" 03/06/20:	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695	AND DOC20/476	Concentration Limit 6695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22 Month Month Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% ans ("VX8373: Samples Collected & C	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22	116.0 116.0 12.0 1351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 6695-1). 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of contin monitoring instrumentation.
Month Mar-22 DINT 12 Month Mar-22 Mar-22 Mar-22 Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months Red and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% ans ("VX8373: Samples Collected & Analysed	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 51-1 AND "VX837	116.0 116.0 116.0 2351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Mean	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) N/A N/A Exceedance	See note at end of report regarding installation of contine monitoring instrumentation. Comments
Month Mar-22 DINT 12 Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and I	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Red and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous	Samples Collected & Analysed 1 1 Ians ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 404 405.2%	Nov-2021 Stanpled Nov-2021 Stanpled Mar-22 Mar-22 Stanpled Mar-22 Date Sampled Mar-22	116.0 116.0 116.0 120 1351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668	Highest Sample Value 116.0 116.0 EDOC20/476695 Highest Sample Value 730 860 E DOC20/476695, Highest Sample Value 954	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of contine monitoring instrumentation. Comments
Month Mar-22 DINT 12 Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% ans ("VX8373: Samples Collected & Analysed	Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 51-1 AND "VX837	116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value Value 496	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples	Highest Sample Value 116.0 116.0 LE DOC20/476695 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of continuonitoring instrumentation. Comments
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and in Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% ans ("VX8373: Samples Collected & Analysed 96.2% 96.2%	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Date Sampled Mar-22 Mar-22 Mar-22	116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value 954 932	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of contine monitoring instrumentation. Comments
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and I	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% ans ("VX8373: Samples Collected & Analysed 96.2% 96.2%	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Date Sampled Mar-22 Mar-22 Mar-22	116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value 954 932	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of contir monitoring instrumentation. Comments
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and in Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 400.0% 400.0% Samples Collected & Analysed 96.2% 96.2% 96.2%	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Date Sampled Mar-22 Mar-22 Mar-22	116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value 954 932	AND DOC20/476 AND DOC20/476 AND DOC20/476 AND DOC20/476	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 695-1).	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of contir monitoring instrumentation. Comments
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and in Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 100.0% Ians ("VX8373: Samples Collected & Analysed 96.2% 96.2% Samples Samples Samples Samples Samples Samples	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Date Sampled Mar-22 Mar-22 Mar-22	116.0 116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722 DEPA REFERENCE	Highest Sample Value 116.0 116.0 LE DOC20/476695 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value 954 932 E DOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of contin monitoring instrumentation. Comments
Month Mar-22 Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) man Unit of Measure (mg/m3) (mg/m3) B (points 8 and 9) man	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Every 6 months Red and shown as EPA ID 12 on The PI Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Eved and shownas EPA ID 13 on The PI Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 96.2% 96.2% John Collected & Samples Collected & Samples Collected & Collected	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Mar-22 Mar-22 Mar-22 Mar-22	116.0 116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722 DEPA REFERENCE Mean of Samples 668 722 DEPA REFERENCE	Highest Sample Value 116.0 116.0 Highest Sample Value 730 860 E DOC20/476695 . Highest Sample Value 954 932 E DOC20/476695 . Highest Sample	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Concentration Concentration Concentration Concentration Concentration Concentration	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of contin monitoring instrumentation. Comments Comments	
Month Mar-22	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and in Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months E	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 100.0% Ians ("VX8373: Samples Collected & Analysed 96.2% 96.2% Samples Samples Samples Samples Samples Samples	Date Sampled Nov-2021 51-1 AND "VX837 Date Sampled Mar-22 Mar-22 Date Sampled Mar-22 Mar-22 Mar-22	116.0 116.0 116.0 351-2" 03/06/202 Lowest Sample Value 270 496 351-2" 03/06/202 Lowest Sample Value 327 565	Mean of Samples 116.0 DEPA REFERENCE Mean of Samples 597 647 DEPA REFERENCE Mean of Samples 668 722 DEPA REFERENCE	Highest Sample Value 116.0 116.0 LE DOC20/476695 Highest Sample Value 730 860 E DOC20/476695 Highest Sample Value 954 932 E DOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of contin monitoring instrumentation. Comments

POINT 15	Boiler number 6 combined exhaust - duct C and D	(points 10 and 11) m	arked and shownas EPA ID 12 on The	Plans ("VX837	7351-1 AND "VX8	37351-2" 03/06/2	020 EPA REFERE	NCE DOC20/47669	5 AND DOC20/4	76695-1).		
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Mar-22	244	599	876			N/A	
Mar-22	Sulfur dioxido	(mg/m2)	Continuous	100.0%	Mar-22	E17	646	952			NI/A	

POINT 22	Discharge of cooling water from the cooling water	r outlet canal to Wye	ee Bay marked and shown as EPA ID 2	2 on The Plans	("VX837351-1 Al	ND "VX837351-2"	03/06/2020 EPA	REFERENCE DOC2	0/476695 AND [OC20/476695-1).	
				Samples					98.5 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceed 100%	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	Limit (yes/no)	Comments
Mar-22	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	10/03/2022	<0.1	<0.1	<0.1		0.2	No	
Mar-22	Copper	(mg/L)	Monthly during discharge	1	10/03/2022	0.0040	0.0040	0.0040		0.005	No	
Mar-22	Iron	(mg/L)	Monthly during discharge	1	10/03/2022	0.421	0.421	0.421		0.3	Yes	EPA notified as per licence 761 condition R4.1.
Mar-22	Oil and Grease	Visible	Continuous during discharge	100%	Mar-22	NIL	NIL	NIL				
Mar-22	Selenium	(mg/L)	Monthly during discharge	1	10/03/2022	<0.002	< 0.002	<0.002		0.005	No	
Mar-22	Temperature	(°C)	Continuous during discharge	100%	Mar-22	26.7	29.6	34.3	35	37.5	No	

POINT 23	Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 23 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).													
				Samples					99 Percentile	100 Percentile				
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments		
Mar-22	Aluminium	(mg/L)	Monthly during discharge	1	10/03/2022	0.147	0.147	0.147						
Mar-22	Ammonia	(mg/L)	Monthly during discharge	1	10/03/2022	0.25	0.25	0.25						
Mar-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	10/03/2022	<0.005	<0.005	<0.005						
Mar-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	10/03/2022	0.0059	0.0059	0.0059						
Mar-22	Cadmium	(mg/L)	Monthly during discharge	1	10/03/2022	<0.00005	<0.00005	<0.00005						
Mar-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	10/03/2022	0.006	0.006	0.006						
Mar-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	10/03/2022	0.012	0.012	0.012						
Mar-22	Copper	(mg/L)	Monthly during discharge	1	10/03/2022	0.0075	0.0075	0.0075						
Mar-22	Iron	(mg/L)	Monthly during discharge	1	10/03/2022	0.091	0.091	0.091						
Mar-22	Lead	(mg/L)	Monthly during discharge	1	10/03/2022	0.0004	0.0004	0.0004						
Mar-22	Manganese	(mg/L)	Monthly during discharge	1	10/03/2022	0.0094	0.0094	0.0094						
Mar-22	Nickel	(mg/L)	Monthly during discharge	1	10/03/2022	< 0.0005	< 0.0005	< 0.0005						
Mar-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	10/03/2022	0.22	0.22	0.22						
Mar-22	Nitrogen	(mg/L)	Monthly during discharge	1	10/03/2022	0.80	0.80	0.80						
Mar-22	pH	pH	Monthly during discharge	1	10/03/2022	8.36	8.36	8.36		6.5 - 9.5	No			
Mar-22	Phosphorus	(mg/L)	Monthly during discharge	1	10/03/2022	0.08	0.08	0.08						
Mar-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	10/03/2022	0.04	0.04	0.04						
Mar-22	Selenium	(mg/L)	Monthly during discharge	1	10/03/2022	0.0419	0.0419	0.0419						
Mar-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	10/03/2022	0.6	0.6	0.6						
Mar-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	10/03/2022	6	6	6		50	No			
Mar-22	Vanadium	(mg/L)	Monthly during discharge	1	10/03/2022	0.0452	0.0452	0.0452						
Mar-22	Zinc	(mg/L)	Monthly during discharge	1	10/03/2022	0.008	0.008	0.008						

POINT 24													
				Samples					Discharge	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample		Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/no)	Limit	(yes/no)	Comments	
Mar-22	Aluminium	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Ammonia	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Cadmium	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Copper	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Iron	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Lead	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Manganese	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Nickel	(mg/L)	Monthly during discharge	1	10/03/2022				No			No discharge from EPA Point 24 during March 2022	
Mar-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Nitrogen	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	pH	pH	Monthly during discharge	1	10/03/2022				No	6.5 - 9.5	No		
Mar-22	Phosphorus	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Selenium	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	10/03/2022				No	50	No		
Mar-22	Vanadium	(mg/L)	Monthly during discharge	1	10/03/2022				No				
Mar-22	Zinc	(mg/L)	Monthly during discharge	1	10/03/2022	_			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).												
				Samples					Discharge	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(903/110)	Limit	(yes/no)	Comments	
Mar-22	Aluminium	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.173	0.173	0.173	Yes				
Mar-22	Ammonia	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.22	0.22	0.22	Yes				
Mar-22	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	<0.0005	<0.0005	<0.0005	Yes				
Mar-22	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0027	0.0027	0.0027	Yes				
Mar-22	Cadmium	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	<0.00005	< 0.00005	<0.00005	Yes				
Mar-22	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0040	0.0040	0.0040	Yes				
Mar-22	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.02	0.02	0.02	Yes				
Mar-22	Copper	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0031	0.0031	0.0031	Yes				
Mar-22	Iron	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.163	0.163	0.163	Yes				
Mar-22	Lead	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0002	0.0002	0.0002	Yes				
Mar-22	Manganese	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0070	0.0070	0.0070	Yes				
Mar-22	Nickel	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	< 0.0005	<0.0005	<0.0005	Yes				
Mar-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.02	0.02	0.02	Yes				
Mar-22	Nitrogen	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.5	0.5	0.5	Yes				
Mar-22	pH	pH	Daily for any discharge >2 hrs	1	31/3/2022	8.35	8.35	8.35	Yes	6.5 - 9.5	No		
Mar-22	Phosphorus	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.02	0.02	0.02	Yes				
Mar-22	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	< 0.01	< 0.01	< 0.01	Yes				
Mar-22	Selenium	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.036	0.036	0.036	Yes			-	
Mar-22	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.5	0.5	0.5	Yes				
Mar-22	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	5	5	5	Yes	50	No		
Mar-22	Vanadium	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0392	0.0392	0.0392	Yes				
Mar-22	Zinc	(mg/L)	Daily for any discharge >2 hrs	1	31/3/2022	0.0030	0.0030	0.0030	Yes				

POINT 30	Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
Month	Pollutant	Heit of Manager	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value		100 Percentile Concentration Limit	Exceedance	Comments
Mar-22	Aluminium	(mg/L)	Quarterly	Analysed	Date Sampled	value	Samples	value	Limit	Limit	(yes/no)	Comments
Mar-22	Ammonia	(mg/L)	Quarterly									
Mar-22	Arsenic (III)	(mg/L)	Quarterly									
Mar-22	Arsenic (III) Arsenic (V)	(mg/L)	Quarterly									
Mar-22	Cadmium	(mg/L)	Quarterly									
			,									
Mar-22	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-22	Copper	(mg/L)	Quarterly									
Mar-22	Electrical Conductivity	(us/cm)	Quarterly									
Mar-22	Iron	(mg/L)	Quarterly									
Mar-22	Lead	(mg/L)	Quarterly									Next Sampling Round Scheduled for April 2022
Mar-22	Magnesium	(mg/L)	Quarterly									
Mar-22	Manganese	(mg/L)	Quarterly									
Mar-22	Nickel	(mg/L)	Quarterly									
Mar-22	pH	pH	Quarterly									
Mar-22	Potassium	(mg/L)	Quarterly									
Mar-22	Selenium	(mg/L)	Quarterly									
Mar-22	Sodium	(mg/L)	Quarterly									
Mar-22	Standing Water Level	(m)	Quarterly									
Mar-22	Vanadium	(mg/L)	Quarterly									
Mar-22	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					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Aluminium	(mg/L)	Quarterly									
Mar-22	Ammonia	(mg/L)	Quarterly									
Mar-22	Arsenic (III)	(mg/L)	Quarterly									
Mar-22	Arsenic (V)	(mg/L)	Quarterly									
Mar-22	Cadmium	(mg/L)	Quarterly									
Mar-22	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-22	Copper	(mg/L)	Quarterly									
Mar-22	Electrical Conductivity	(us/cm)	Quarterly									
Mar-22	Iron	(mg/L)	Quarterly									
Mar-22	Lead	(mg/L)	Quarterly									Next Sampling Round Scheduled for April 2022
Mar-22	Magnesium	(mg/L)	Quarterly									
Mar-22	Manganese	(mg/L)	Quarterly									
Mar-22	Nickel	(mg/L)	Quarterly									
Mar-22	pH	pH	Quarterly									
Mar-22	Potassium	(mg/L)	Quarterly									
Mar-22	Selenium	(mg/L)	Quarterly									
Mar-22	Sodium	(mg/L)	Quarterly									
Mar-22	Standing Water Level	(m)	Quarterly									
Mar-22	Vanadium	(mg/L)	Quarterly									
Mar-22	Zinc	(mg/L)	Quarterly									·

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).											
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
Month Mar-22	Pollutant Aluminium		Sample/Measurement Frequency Quarterly	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
		(mg/L)	,									
Mar-22	Ammonia	(mg/L)	Quarterly									
Mar-22	Arsenic (III)	(mg/L)	Quarterly									
Mar-22	Arsenic (V)	(mg/L)	Quarterly									
Mar-22	Cadmium	(mg/L)	Quarterly									
Mar-22	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-22	Copper	(mg/L)	Quarterly									
Mar-22	Electrical Conductivity	(us/cm)	Quarterly									
Mar-22	Iron	(mg/L)	Quarterly									
Mar-22	Lead	(mg/L)	Quarterly									Next Sampling Round Scheduled for April 2022
Mar-22	Magnesium	(mg/L)	Quarterly									
Mar-22	Manganese	(mg/L)	Quarterly									
Mar-22	Nickel	(mg/L)	Quarterly									
Mar-22	pH	pH	Quarterly									
Mar-22	Potassium	(mg/L)	Quarterly									
Mar-22	Selenium	(mg/L)	Quarterly									
Mar-22	Sodium	(mg/L)	Quarterly									
Mar-22	Standing Water Level	(m)	Quarterly									
Mar-22	Vanadium	(mg/L)	Quarterly									
Mar-22	Zinc	(mg/L)	Quarterly									

POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Aluminium	(mg/L)	Quarterly									
Mar-22	Ammonia	(mg/L)	Quarterly									
Mar-22	Arsenic (III)	(mg/L)	Quarterly									
Mar-22	Arsenic (V)	(mg/L)	Quarterly									
Mar-22	Cadmium	(mg/L)	Quarterly									
Mar-22	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-22	Copper	(mg/L)	Quarterly									
Mar-22	Electrical Conductivity	(us/cm)	Quarterly									
Mar-22	Iron	(mg/L)	Quarterly									
Mar-22	Lead	(mg/L)	Quarterly									Next Sampling Round Scheduled for April 2022
Mar-22	Magnesium	(mg/L)	Quarterly									
Mar-22	Manganese	(mg/L)	Quarterly									
Mar-22	Nickel	(mg/L)	Quarterly									
Mar-22	pH	pН	Quarterly									
Mar-22	Potassium	(mg/L)	Quarterly									
Mar-22	Selenium	(mg/L)	Quarterly									
Mar-22	Sodium	(mg/L)	Quarterly									1
Mar-22	Standing Water Level	(m)	Quarterly									1
Mar-22	Vanadium	(mg/L)	Quarterly									
Mar-22	Zinc	(mg/L)	Quarterly									

POINT 34	Groundwater quality monitoring bore marked and	d shown as EPA ID 33	on The Plans ("VX837351-1 AND "V	(837351-2" 03	/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-22	Aluminium	(mg/L)	Quarterly									
Mar-22	Ammonia	(mg/L)	Quarterly									
Mar-22	Arsenic (III)	(mg/L)	Quarterly									
Mar-22	Arsenic (V)	(mg/L)	Quarterly									
Mar-22	Cadmium	(mg/L)	Quarterly									
Mar-22	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-22	Copper	(mg/L)	Quarterly									
Mar-22	Electrical Conductivity	(us/cm)	Quarterly									
Mar-22	Iron	(mg/L)	Quarterly									Next Sampling Round Scheduled for April 2022
Mar-22	Lead	(mg/L)	Quarterly									
Mar-22	Magnesium	(mg/L)	Quarterly									
Mar-22	Manganese	(mg/L)	Quarterly									
Mar-22	Nickel	(mg/L)	Quarterly									
Mar-22	рН	pH	Quarterly									
Mar-22	Potassium	(mg/L)	Quarterly									
Mar-22	Selenium	(mg/L)	Quarterly									
Mar-22	Sodium	(mg/L)	Quarterly				•					_
Mar-22	Standing Water Level	(m)	Quarterly				•					_
Mar-22	Vanadium	(mg/L)	Quarterly				•					_
Mar-22	Zinc	(mg/L)	Quarterly				•					

GENERAL COMMENTS

*This report (March 2022) was corrected and re-published 5/8/2022. Error found during annual review. NOx and SO2 readings were affected by a faulty O2 sensor. Known incorrect data has been removed from the data set and corrected values have been included for EPA 3 and EPA 14 NOx and SO2.