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	June 2022	
ADDRESS	VALES ROAD, MANNERING PARK NSW	

(mg/m3)

Every 6 months

VOC's as n-propane equivalent



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 Plan	ns ("VX837351	-1 AND "VX83735	51-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AM	ID DOC20/47669	95-1).		
				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
Jun-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Jun-22	Chlorine	(mg/m3)	Every 6 months							20		
Jun-22	Fluorine	(mg/m3)	Every 6 months							30		
Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Jun-22	Mercury	(mg/m3)	Every 6 months							0.05		
Jun-22	Nitrogen Oxides	(mg/m3)	Continuous	84.5%	Jun-22	530	656	828	850	980	No	
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	0.88	0.88	0.88		50	No	
Jun-22	Sulfur dioxide	(mg/m3)	Continuous	97.9%	Jun-22	548	745	923	1400	1700	No	
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		

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 REFERENCE	E DOC20/476695 A	AND DOC20/4766	595-1).		
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile	Exceed 100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Jun-22	Cadmium	(mg/m3)	Every 6 months	,						0.2	(//	
Jun-22	Chlorine	(mg/m3)	Every 6 months							20		
Jun-22	Fluorine	(mg/m3)	Every 6 months							30		
Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Jun-22	Mercury	(mg/m3)	Every 6 months							0.05		
Jun-22	Nitrogen Oxides	(mg/m3)	Continuous	85.4%	Jun-22	467	678	876	850	980		Permitted hours >850mg/m3 (99% limit) were not exceeded for the 2021/22 reporting period.
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	1.09	1.09	1.09		50	No	
Jun-22	Sulfur dioxide	(mg/m3)	Continuous	85.4%	Jun-22	499	716	901	1400	1700	No	
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Jun-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10		

				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Carbon dioxide	(%)	Every 6 months									
Jun-22	Chlorine	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Fluorine	(mg/m3)	Every 6 months									
Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Jun-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperature
Jun-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Jun-22	Oxygen (O2)	(%)	Continuous									
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	0.2	0.2	0.2				
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jun-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						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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Mercury	(mg/m3)	Every 6 months									
Jun-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temperature
Jun-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	0.9	0.9	0.9				
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6 Boiler number 5 exhaust - duct C marked and shown as EPA ID 6 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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Carbon dioxide	(%)	Every 6 months									
Jun-22	Chlorine	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Fluorine	(mg/m3)	Every 6 months									
Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Jun-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperature
Jun-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Jun-22	Oxygen (O2)	(%)	Continuous									
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	1.7	1.7	1.7				
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jun-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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Mercury	(mg/m3)	Every 6 months									
Jun-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temperature
Jun-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	0.9	0.9	0.9				
Jun-22	Temperature	(°C)	Continuous									·
Jun-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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Carbon dioxide	(%)	Every 6 months									
Jun-22	Chlorine	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Fluorine	(mg/m3)	Every 6 months									
Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Jun-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperature
Jun-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Jun-22	Oxygen (O2)	(%)	Continuous									
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	2.2	2.2	2.2				
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jun-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									_

POINT 9	Boiler number 6 exhaust - duct B marked and sh											
				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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous									
Jun-22	Mercury	(mg/m3)	Every 6 months									
Jun-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temper
Jun-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	1.7	1.7	1.7				
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
								•				
POINT 10	Boiler number 6 exhaust - duct C marked and sh	own as EPA ID 10 on T	The 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
Jun-22	Cadmium	(mg/m3)	Every 6 months									
Jun-22	Carbon dioxide	(%)	Every 6 months									
Jun-22	Chlorine	(mg/m3)	Every 6 months									
Jun-22	Flow rate	(m3/s)	Continuous					1				
Jun-22	Fluorine	(mg/m3)	Every 6 months					1				
Jun-22 Jun-22	Hydrogen chloride	(mg/m3)	Every 6 months					1				
Jun-22 Jun-22	Mercury	(mg/m3)	Every 6 months					1				Continuous monitoring of flow rate, moisture, O2 and temp
Jun-22 Jun-22	Moisture	(mg/m3) (%)	Continuous					1				not required until 30/11/2022.
		(%)						-				noc required until 30/11/2022.
Jun-22	Oxygen (O2)		Continuous	1	M 2022	0.3	0.2	0.3				
Jun-22	Solid Particles	(mg/m3)	Quarterly	1	May 2022	0.2	0.2	0.2				
Jun-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jun-22	Temperature	(°C)	Continuous									
Jun-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jun-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
OINT 11	Boiler number 6 exhaust - duct D marked and sh	own as EPA ID 11 on 1	The Plans ("VX837351-1 AND "VX837	Samples	2020 EPA REFERE				99 Percentile	100 Percentile	5d	
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance (ves/no)	Comments
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples	Date Sampled						Exceedance (yes/no)	Comments
Month Jun-22				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
Month Jun-22 Jun-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 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury	Unit of Measure (mg/m3) (m3/s) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
Month Jun-22 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury Moisture	Unit of Measure (mg/m3) (m3/s) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2)	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration		
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C)	Sample/Measurement Frequency 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		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Sample/Measurement Frequency 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		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled May 2022	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled May 2022	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373	Date Sampled May 2022	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled May 2022	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit AND DOC20/476	Concentration Limit		Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373	Date Sampled May 2022	0.4 0.4 351-2" 03/06/202	Mean of Samples 0.4	Highest Sample Value 0.4 0.5 0.7 0.7 0.7 0.7 0.7 0.7 0.7	Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 695-1).	(yes/no)	Continuous monitoring of flow rate, moisture, O2 and temp
Month Jun-22 Month	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected &	May 2022	0.4 0.4 Lowest Sample 0.4 0.4 Lowest Sample	Mean of Samples 0.4 0 EPA REFERENCE Mean of	Highest Sample Value 0.4 University of the second of the	AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration	(yes/no) Exceedance	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Month Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months rked and shown as EPA ID 12 on The F	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed	May 2022 51-1 AND "VX837 Date Sampled	0.4 0.4 Lowest Sample Value	Mean of Samples 0.4 OEPA REFERENCE Mean of Samples	Highest Sample Value 0.4 DOC20/476695 Highest Sample Value	AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration	(yes/no) Exceedance (yes/no)	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Month Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Passample/Measurement Frequency Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1%	May 2022 51-1 AND "VX837 Date Sampled Jun-22	0.4 0.4 351-2" 03/06/20: Lowest Sample Value 483	Mean of Samples 0.4 0.4 Mean of Samples Mean of Samples 606	Highest Sample Value 0.4 0.4 CE DOC20/476695 Highest Sample Value 807	AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 100 Percentile Concentration	Exceedance (yes/no) N/A	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Part of th	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9%	May 2022 May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22	0.4 0.4 1351-2" 03/06/20: Lowest Sample Value 483 479	Mean of Samples 0.4 0.4 Mean of Samples 606 704	Highest Sample Value 0.4 CE DOC20/476695 Highest Sample Value 807 888	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Part of th	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9%	May 2022 May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22	0.4 0.4 1351-2" 03/06/20: Lowest Sample Value 483 479	Mean of Samples 0.4 0.4 Mean of Samples 606 704	Highest Sample Value 0.4 CE DOC20/476695 Highest Sample Value 807 888	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Part of th	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9%	May 2022 May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22	0.4 0.4 1351-2" 03/06/20: Lowest Sample Value 483 479	Mean of Samples 0.4 0.4 Mean of Samples 606 704	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695	AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022.
Month Jun-22 Month Jun-22 Jun-22 Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Part of th	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373:	May 2022 May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22	0.4 0.4 1351-2" 03/06/20: Lowest Sample Value 483 479	Mean of Samples 0.4 0.4 Mean of Samples 606 704	Highest Sample Value 0.4 CE DOC20/476695 Highest Sample Value 807 888	AND DOC20/476	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 OINT 12	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The Part of th	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373: Samples	May 2022 May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22	0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202	Mean of Samples 0.4 0.4 0.60 EPA REFERENCE Mean of Samples 606 704 0 EPA REFERENCE	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) N/A N/A	Continuous monitoring of flow rate, moisture, 02 and temp not required until 30/11/2022.
Month Jun-22 Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Month	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The F Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373: Samples Collected &	May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 31-1 AND "VX837	0.4 0.4 0.4 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value 483 479	Mean of Samples 0.4 0.4 0 EPA REFERENCE Mean of Samples 606 704 0 EPA REFERENCE Mean of Mean of Samples	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 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 (yes/no) N/A N/A	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022. Comments
Month Jun-22 OINT 12 Month Jun-22 Jun-22 Month Jun-22 Jun-22	Pollutant 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	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man (mg/m3) (mg/m3) Unit of Measure (mg/m3) Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373: Samples Collected & Analysed	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 G1-1 AND "VX837 Date Sampled	0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value Lowest Sample	Mean of Samples 0.4 0.4 0.6 0.4 0.6 0.6 0.7 0.7 0.7 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695 Highest Sample Value Value Value 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)	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022. Comments
Month Jun-22 OINT 12 Month Jun-22	Pollutant 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 Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Fred and shown as EPA ID 12 on The Part of the part o	Samples Collected & Analysed 1 1 lians ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373: Samples Collected & Analysed 40 97.9%	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 i-1 AND "VX837	0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value 536	Mean of Samples 0.4 0.4 0.60 EPA REFERENCE Mean of Samples 606 704 0 EPA REFERENCE Mean of Samples 705	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695 Highest Sample Value 932	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) N/A N/A	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022. Comments
Month Jun-22 OINT 12 Month Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	Pollutant 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 Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (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)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% cans ("VX8373: Samples Collected & Analysed 97.9% 97.9%	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value 536 617	Mean of Samples 0.4 0.4 0.4 0.6 0.6 0.7 0.7 0.6 0.7 0.7 0.7	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695 Highest Sample Value 932 978	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) N/A N/A	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022. Comments
Month Jun-22 OINT 12 Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Soild 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 Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (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)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% ans ("VX8373: Samples Collected & Analysed 97.9% 97.9% 97.9%	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value 536 617	Mean of Samples 0.4 0.4 0.4 0.6 0.6 0.7 0.7 0.6 0.7 0.7 0.7	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695 Highest Sample Value 932 978	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) N/A N/A	Continuous monitoring of flow rate, moisture, O2 and temporary not required until 30/11/2022. Comments
Month Jun-22 OINT 12 Month Jun-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Soild 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 Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (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)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 Ians ("VX8373 Samples Collected & Analysed 71.1% 97.9% Ians ("VX8373: Samples Collected & Analysed 97.9% 97.9% 37.9% Samples Samples Collected & Analysed 97.9% Samples Samples Samples	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 0.4 10.	Mean of Samples 0.4 0.4 0.4 0.6 0 EPA REFERENCE Mean of Samples 606 704 0 EPA REFERENCE Mean of Samples 705 786 0 EPA REFERENCE	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 EDOC20/476695 Highest Sample Value 932 978	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 N/A	Continuous monitoring of flow rate, moisture, O2 and temp not required until 30/11/2022. Comments
Month Jun-22	Pollutant 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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (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) B (points 6 and 7) man Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Fred and shown as EPA ID 12 on The Part of the Part o	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% Samples Collected & Analysed 97.9% 97.9% ans ("VX8373: Samples Collected & Collected	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample 536 617 351-2" 03/06/202 Lowest Sample Value 536 617	Mean of Samples O EPA REFERENCE Mean of Samples 606 704 O EPA REFERENCE Mean of Samples 705 786 O EPA REFERENCE Mean of Mean of Samples	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 E DOC20/476695 Highest Sample Value 932 978 E DOC20/476695	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 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 695-1).	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Continuous monitoring of flow rate, moisture, O2 and temp not required until 30/11/2022. Comments Comments
Month Jun-22 OINT 12 Month Jun-22 Jun-22 Jun-22 Jun-22 OINT 13	Pollutant 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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (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)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% Samples Collected & Analysed 97.9% 97.9% 97.9% ans ("VX8373: Samples Collected & Analysed Analysed Analysed Analysed	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample Value 536 617 351-2" 03/06/202 Lowest Sample Value 536 617	Mean of Samples O EPA REFERENCE Mean of Samples 606 704 O EPA REFERENCE Mean of Samples 705 786 O EPA REFERENCE Mean of Samples	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 E DOC20/476695 Highest Sample Value 932 978 E DOC20/476695 Highest Sample Value Highest Sample Value 932 978	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 Exceedance (yes/no)	Continuous monitoring of flow rate, moisture, O2 and temp not required until 30/11/2022. Comments
Month Jun-22 Month Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22 Month Jun-22 Jun-22 Jun-22	Pollutant 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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (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) B (points 6 and 7) man Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Fred and shown as EPA ID 12 on The Part of the Part o	Samples Collected & Analysed 1 lans ("VX8373 Samples Collected & Analysed 71.1% 97.9% Samples Collected & Analysed 97.9% 97.9% ans ("VX8373: Samples Collected & Collected	Date Sampled May 2022 51-1 AND "VX837 Date Sampled Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22	0.4 0.4 0.4 351-2" 03/06/202 Lowest Sample Value 483 479 351-2" 03/06/202 Lowest Sample 536 617 351-2" 03/06/202 Lowest Sample Value 536 617	Mean of Samples O EPA REFERENCE Mean of Samples 606 704 O EPA REFERENCE Mean of Samples 705 786 O EPA REFERENCE Mean of Mean of Samples	Highest Sample Value 0.4 0.4 Highest Sample Value 807 888 E DOC20/476695 Highest Sample Value 932 978 E DOC20/476695	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 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 695-1).	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	Continuous monitoring of flow rate, moisture, O2 and temp not required until 30/11/2022. Comments Comments

	POINT 15	Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
					Samples					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	
	Jun-22	Nitrogen Oxides	(mg/m3)	Continuous	98.2%	Jun-22	411	625	807			N/A		
ı	lun-22	Sulfur diovide	(mg/m3)	Continuous	98.2%	lun_22	360	701	853			N/A		

POINT 22	Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples						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	
Jun-22	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	9/06/2022	<0.1	<0.1	<0.1		0.2	No		
Jun-22	Copper	(mg/L)	Monthly during discharge	1	9/06/2022	0.002	0.002	0.002		0.005	No		
Jun-22	Iron	(mg/L)	Monthly during discharge	1	9/06/2022	0.061	0.061	0.061		0.3	No		
Jun-22	Oil and Grease	Visible	Continuous during discharge	100%	Jun-22	NIL	NIL	NIL					
Jun-22	Selenium	(mg/L)	Monthly during discharge	1	9/06/2022	<0.002	<0.002	<0.002		0.005	No		
Jun-22	Temperature	(°C)	Continuous during discharge	100%	Jun-22	18.1	22.4	26.5	35	37.5	No	·	

POINT 23	Discharge of supernatant water from the ash dam	to the cooling wate	r outlet canal to Wyee Bay marked ar	nd shown as El	PA ID 23 on The Pl	ans ("VX837351-1	AND "VX837351	L-2" 03/06/2020 E	PA REFERENCE D	OC20/476695 AN	ID DOC20/476	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
Jun-22	Aluminium	(mg/L)	Monthly during discharge	1	9/06/2022	0.058	0.058	0.058				
Jun-22	Ammonia	(mg/L)	Monthly during discharge	1	9/06/2022	0.4	0.4	0.4				
Jun-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/06/2022	<0.0005	< 0.0005	< 0.0005				
Jun-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/06/2022	0.0053	0.0053	0.0053				
Jun-22	Cadmium	(mg/L)	Monthly during discharge	1	9/06/2022	<0.00005	<0.00005	<0.00005				
Jun-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/06/2022	< 0.001	< 0.001	< 0.001				
Jun-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/06/2022	0.050	0.050	0.050				
Jun-22	Copper	(mg/L)	Monthly during discharge	1	9/06/2022	0.0006	0.0006	0.0006				
Jun-22	Iron	(mg/L)	Monthly during discharge	1	9/06/2022	0.060	0.060	0.060				
Jun-22	Lead	(mg/L)	Monthly during discharge	1	9/06/2022	0.0004	0.0004	0.0004				
Jun-22	Manganese	(mg/L)	Monthly during discharge	1	9/06/2022	0.0042	0.0042	0.0042				
Jun-22	Nickel	(mg/L)	Monthly during discharge	1	9/06/2022	<0.0005	< 0.0005	< 0.0005				
Jun-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/06/2022	0.17	0.17	0.17				
Jun-22	Nitrogen	(mg/L)	Monthly during discharge	1	9/06/2022	0.70	0.70	0.70				
Jun-22	pH	pН	Monthly during discharge	1	9/06/2022	9.32	9.32	9.32		6.5 - 9.5	No	
Jun-22	Phosphorus	(mg/L)	Monthly during discharge	1	9/06/2022	0.03	0.03	0.03				
Jun-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/06/2022	0.02	0.02	0.02				
Jun-22	Selenium	(mg/L)	Monthly during discharge	1	9/06/2022	0.0752	0.0752	0.0752			•	
Jun-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/06/2022	0.5	0.5	0.5			•	
Jun-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/06/2022	2	2	2		50	No	
Jun-22	Vanadium	(mg/L)	Monthly during discharge	1	9/06/2022	0.070	0.070	0.070			•	
Jun-22	Zinc	(mg/L)	Monthly during discharge	1	9/06/2022	0.006	0.006	0.006				

POINT 24	Discharge of seepage water from the ash dam reh	nabilitation area to N	lannering Bay marked and shown as I	EPA ID 24 on T	he Plans ("VX837	351-1 AND "VX837	351-2" 03/06/2	020 EPA REFERENC	CE DOC20/47669	5 AND DOC20/47	76695-1).	
				Samples					n: 1	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Discharge	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/no)	Limit	(yes/no)	Comments
Jun-22	Aluminium	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Ammonia	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Cadmium	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Copper	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Iron	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Lead	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Manganese	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Nickel	(mg/L)	Monthly during discharge	1	9/06/2022				No			No discharge from EPA Point 24 during June 2022
Jun-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Nitrogen	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	pH	pH	Monthly during discharge	1	9/06/2022				No	6.5 - 9.5	No	
Jun-22	Phosphorus	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Selenium	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/06/2022				No	50	No	
Jun-22	Vanadium	(mg/L)	Monthly during discharge	1	9/06/2022				No			
Jun-22	Zinc	(mg/L)	Monthly during discharge	1	9/06/2022				No			_

POINT 25	Discharge of over boarded water from the ash	dam to Mannering Bay	marked and shown as EPA ID 25 on T	he Plans ("VX	337351-1 AND "V	(837351-2" 03/06	/2020 EPA REFEI	RENCE DOC20/476	695 AND DOC20	/476695-1).		
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile Concentration		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value		Limit	(yes/no)	Comments
Jun-22	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during June 2022
Jun-22	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Jun-22	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Jun-22	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Jun-22	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

POINT 30	Groundwater quality monitoring bore marked and	d shown as EPA ID 30	on The Plans ("VX837351-1 AND "V)	X837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DO	20/476695-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Jun-22	Aluminium	(mg/L)	Quarterly									
Jun-22	Ammonia	(mg/L)	Quarterly									
Jun-22	Arsenic (III)	(mg/L)	Quarterly									
Jun-22	Arsenic (V)	(mg/L)	Quarterly									
Jun-22	Cadmium	(mg/L)	Quarterly									
Jun-22	Chromium (trivalent)	(mg/L)	Quarterly									
Jun-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Jun-22	Copper	(mg/L)	Quarterly									
Jun-22	Electrical Conductivity	(us/cm)	Quarterly									
Jun-22	Iron	(mg/L)	Quarterly									
Jun-22	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2022
Jun-22	Magnesium	(mg/L)	Quarterly									
Jun-22	Manganese	(mg/L)	Quarterly									
Jun-22	Nickel	(mg/L)	Quarterly									
Jun-22	pH	pH	Quarterly									
Jun-22	Potassium	(mg/L)	Quarterly									
Jun-22	Selenium	(mg/L)	Quarterly									
Jun-22	Sodium	(mg/L)	Quarterly									
Jun-22	Standing Water Level	(m)	Quarterly									
Jun-22	Vanadium	(mg/L)	Quarterly									
Jun-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
Jun-22	Aluminium	(mg/L)	Quarterly									
Jun-22	Ammonia	(mg/L)	Quarterly									
Jun-22	Arsenic (III)	(mg/L)	Quarterly									
Jun-22	Arsenic (V)	(mg/L)	Quarterly									
Jun-22	Cadmium	(mg/L)	Quarterly									
Jun-22	Chromium (trivalent)	(mg/L)	Quarterly									
Jun-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Jun-22	Copper	(mg/L)	Quarterly									
Jun-22	Electrical Conductivity	(us/cm)	Quarterly									
Jun-22	Iron	(mg/L)	Quarterly									
Jun-22	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2022
Jun-22	Magnesium	(mg/L)	Quarterly									
Jun-22	Manganese	(mg/L)	Quarterly									
Jun-22	Nickel	(mg/L)	Quarterly									
Jun-22	рН	pH	Quarterly									
Jun-22	Potassium	(mg/L)	Quarterly									
Jun-22	Selenium	(mg/L)	Quarterly									
Jun-22	Sodium	(mg/L)	Quarterly									
Jun-22	Standing Water Level	(m)	Quarterly									
Jun-22	Vanadium	(mg/L)	Quarterly									
Jun-22	Zinc	(mg/L)	Quarterly									·

POINT 32	Groundwater quality monitoring bore marked and	d shown as EPA ID 32	on The Plans ("VX837351-1 AND "V	X837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).				
				Samples Collected &		Lowest Sample		Highest Sample	Concentration		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Jun-22	Aluminium	(mg/L)	Quarterly									
Jun-22	Ammonia	(mg/L)	Quarterly									
Jun-22	Arsenic (III)	(mg/L)	Quarterly									
Jun-22	Arsenic (V)	(mg/L)	Quarterly									
Jun-22	Cadmium	(mg/L)	Quarterly									
Jun-22	Chromium (trivalent)	(mg/L)	Quarterly									
Jun-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Jun-22	Copper	(mg/L)	Quarterly									
Jun-22	Electrical Conductivity	(us/cm)	Quarterly									
Jun-22	Iron	(mg/L)	Quarterly									
Jun-22	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2022
Jun-22	Magnesium	(mg/L)	Quarterly									
Jun-22	Manganese	(mg/L)	Quarterly									
Jun-22	Nickel	(mg/L)	Quarterly									
Jun-22	pH	pH	Quarterly									
Jun-22	Potassium	(mg/L)	Quarterly									·
Jun-22	Selenium	(mg/L)	Quarterly									
Jun-22	Sodium	(mg/L)	Quarterly									
Jun-22	Standing Water Level	(m)	Quarterly									
Jun-22	Vanadium	(mg/L)	Quarterly									
Jun-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).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value		100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Jun-22	Aluminium	(mg/L)	Quarterly									
Jun-22	Ammonia	(mg/L)	Quarterly									
Jun-22	Arsenic (III)	(mg/L)	Quarterly									
Jun-22	Arsenic (V)	(mg/L)	Quarterly									
Jun-22	Cadmium	(mg/L)	Quarterly									
Jun-22	Chromium (trivalent)	(mg/L)	Quarterly									
Jun-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Jun-22	Copper	(mg/L)	Quarterly									
Jun-22	Electrical Conductivity	(us/cm)	Quarterly									
Jun-22	Iron	(mg/L)	Quarterly									
Jun-22	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2022
Jun-22	Magnesium	(mg/L)	Quarterly									
Jun-22	Manganese	(mg/L)	Quarterly									
Jun-22	Nickel	(mg/L)	Quarterly									
Jun-22	pH	pH	Quarterly									
Jun-22	Potassium	(mg/L)	Quarterly									
Jun-22	Selenium	(mg/L)	Quarterly									
Jun-22	Sodium	(mg/L)	Quarterly									
Jun-22	Standing Water Level	(m)	Quarterly									
Jun-22	Vanadium	(mg/L)	Quarterly									
Jun-22	Zinc	(mg/L)	Quarterly								·	·

POINT 34													
				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	
Jun-22	Aluminium	(mg/L)	Quarterly										
Jun-22	Ammonia	(mg/L)	Quarterly										
Jun-22	Arsenic (III)	(mg/L)	Quarterly										
Jun-22	Arsenic (V)	(mg/L)	Quarterly										
Jun-22	Cadmium	(mg/L)	Quarterly										
Jun-22	Chromium (trivalent)	(mg/L)	Quarterly										
Jun-22	Chromium (VI) Compounds	(mg/L)	Quarterly										
Jun-22	Copper	(mg/L)	Quarterly										
Jun-22	Electrical Conductivity	(us/cm)	Quarterly										
Jun-22	Iron	(mg/L)	Quarterly										
Jun-22	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2022	
Jun-22	Magnesium	(mg/L)	Quarterly										
Jun-22	Manganese	(mg/L)	Quarterly										
Jun-22	Nickel	(mg/L)	Quarterly										
Jun-22	pH	pН	Quarterly										
Jun-22	Potassium	(mg/L)	Quarterly										
Jun-22	Selenium	(mg/L)	Quarterly										
Jun-22	Sodium	(mg/L)	Quarterly				•						
Jun-22	Standing Water Level	(m)	Quarterly				•						
Jun-22	Vanadium	(mg/L)	Quarterly				•						
Jun-22	Zinc	(mg/L)	Quarterly				•					_	

GENERAL COMMENTS