Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	December 2021	
ADDRESS	VALES ROAD, MANNERING PARK NSW	_



POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples	5.6.11					100 Percentile		
					Date Sampled	Lowest Sample	Mean of	Highest Sample			100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed		Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Dec-21	Cadmium	(mg/m3)	Every 6 months							0.2		
Dec-21	Chlorine	(mg/m3)	Every 6 months							20		
Dec-21	Fluorine	(mg/m3)	Every 6 months							30		
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Dec-21	Mercury	(mg/m3)	Every 6 months							0.05		
Dec-21	Nitrogen Oxides	(mg/m3)	Continuous	98.5%	Dec-21	246	690	893	850	980	No	99% and 100% NOx limits changed on 15 December 2021
Dec-21	Solid Particles	(mg/m3)	Quarterly							50		
Dec-21	Sulfur dioxide	(mg/m3)	Continuous	98.5%	Dec-21	486	798	1008	1400	1700	No	
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months				•			100		_
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•			10		_

POINT 3 Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 FPA REFERENCE DOC20/476695 AND DOC20/476695-1).

FOINT 3	Combined all emissions from boller o via Points o	to 11 to 1 onit 1 ma	rica and shown as Er A ID 3 on The		331-1 AND VA03	77331-2 03/00/20	20 EI A REI EREIN	CL D C CL 0/ 47 00337				
				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
Dec-21	Cadmium	(mg/m3)	Every 6 months							0.2		
Dec-21	Chlorine	(mg/m3)	Every 6 months							20		
Dec-21	Fluorine	(mg/m3)	Every 6 months							30		
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Dec-21	Mercury	(mg/m3)	Every 6 months							0.05		
Dec-21	Nitrogen Oxides	(mg/m3)	Continuous	99.4%	Dec-21	272	567	950	850	980	No	99% and 100% NOx limits changed on 15 December 2021
Dec-21	Solid Particles	(mg/m3)	Quarterly							50		
Dec-21	Sulfur dioxide	(mg/m3)	Continuous	99.8%	Dec-21	567	771	1024	1400	1700	No	
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•			10		

POINT 4 Boiler number 5 exhaust - duct A marked and shown as EPA ID 4 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		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Carbon dioxide	(%)	Every 6 months									
Dec-21	Chlorine	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Fluorine	(mg/m3)	Every 6 months									
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Dec-21	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Dec-21	Moisture	(%)	Continuous									monitoring instrumentation.
Dec-21	Oxygen (O2)	(%)	Continuous									
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 5	Boiler number 5 exhaust - duct B marked and sho	own as EPA ID 5 on T	he Plans ("VX837351-1 AND "VX837	7351-2" 03/06	/2020 EPA REFERE	NCE DOC20/4766	95 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
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Mercury	(mg/m3)	Every 6 months									
Dec-21	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Dec-21	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Boiler number 5 exhaust - duct C marked and show	wn as EPA ID 6 on Th	ne Plans ("VX837351-1 AND "VX837	351-2" 03/06/	2020 EPA REFERE	NCE DOC20/47669	95 AND DOC20/47	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
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Carbon dioxide	(%)	Every 6 months									
Dec-21	Chlorine	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Fluorine	(mg/m3)	Every 6 months									
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Dec-21	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Dec-21	Moisture	(%)	Continuous									monitoring instrumentation.
Dec-21	Oxygen (O2)	(%)	Continuous									i
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				•					
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				<u> </u>					

POINT 7	Boiler number 5 exhaust - duct D marked and sho	wn as EPA ID 7 on T	he Plans ("VX837351-1 AND "VX837	351-2" 03/06	/2020 EPA REFERE	ENCE DOC20/47669	95 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
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Mercury	(mg/m3)	Every 6 months									
Dec-21	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Dec-21	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 8	Boiler number 6 exhaust - duct A marked and sh	own as EPA ID 8 on T	he Plans ("VX837351-1 AND "VX837	351-2" 03/06	/2020 EPA REFER	ENCE DOC20/47669	95 AND DOC20/4	76695-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	100 Percentile Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Carbon dioxide	(%)	Every 6 months									
Dec-21	Chlorine	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Fluorine	(mg/m3)	Every 6 months									
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Dec-21	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Dec-21	Moisture	(%)	Continuous									monitoring instrumentation.
Dec-21	Oxygen (O2)	(%)	Continuous									
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				•					
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months				•					

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POINT 9	Boiler number 6 exhaust - duct B marked and sh	OWN AS EPA ID 9 ON I	ne Plans (VX83/351-1 AND VX83/	Samples	/2020 EPA KEFEKI	INCE DUCZU/4/66	35 AND DUCZU/4	76695-1).	99 Percentile	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	Limit	Limit	(yes/no)	Comments
Dec-21	Cadmium	(mg/m3)	Every 6 months	, maryseu	Date Jampiea	Fulue	Samples	value	2	2	(10)	Comments
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Mercury	(mg/m3)	Every 6 months									
Dec-21	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Dec-21	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Dec-21	Solid Particles	(mg/m3)	Quarterly									3
Dec-21	Temperature	(°C)	Continuous									
Dec-21	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	The Plans ("VX837351-1 AND "VX83"	7351-2" 03/0	6/2020 EPA REFER	ENCE DOC20/476	95 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
Dec-21	Cadmium	(mg/m3)	Every 6 months									
Dec-21	Carbon dioxide	(%)	Every 6 months									
Dec-21	Chlorine	(mg/m3)	Every 6 months									
Dec-21	Flow rate	(m3/s)	Continuous									
Dec-21	Fluorine	(mg/m3)	Every 6 months									
Dec-21	Hydrogen chloride	(mg/m3)	Every 6 months									<u> </u>
Dec-21	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Dec-21	Moisture	(%)	Continuous									monitoring instrumentation.
Dec-21	Oxygen (O2)	(%)	Continuous									-
Dec-21	Solid Particles	(mg/m3)	Quarterly									
Dec-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Dec-21	Temperature	(°C)	Continuous									
Dec-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Dec-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
POINT 11	Boiler number 6 exhaust - duct D marked and sh	own as EPA ID 11 on	The Plans ("VX837351-1 AND "VX83	7351-2" 03/0	6/2020 EPA REFEI	RENCE DOC20/476	695 AND DOC20/	476695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample			Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration		Exceedance (yes/no)	Comments
			Sample/Measurement Frequency Every 6 months		Date Sampled				Concentration	Concentration	Exceedance (yes/no)	Comments
Month Dec-21 Dec-21	Pollutant Cadmium Flow rate	Unit of Measure (mg/m3) (m3/s)	Sample/Measurement Frequency Every 6 months Continuous		Date Sampled				Concentration	Concentration		Comments
Dec-21	Cadmium	(mg/m3) (m3/s)	Every 6 months		Date Sampled				Concentration	Concentration		Comments
Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months		Date Sampled				Concentration	Concentration		
Dec-21 Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous		Date Sampled				Concentration	Concentration		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury Moisture Oxygen (O2)	(mg/m3) (m3/s) (mg/m3) (%) (%)	Every 6 months Continuous Every 6 months Continuous Continuous		Date Sampled				Concentration	Concentration		
Dec-21 Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous		Date Sampled				Concentration	Concentration		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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		Date Sampled				Concentration	Concentration		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous		Date Sampled				Concentration	Concentration		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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	Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen 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	Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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	Analysed Plans ("VX8:		Value	Samples	Value	Concentration Limit	Concentration Limit		See note at end of report regarding installation of continuous
Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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	Analysed Plans ("VX8: Samples		Value	Samples 2020 EPA REFERE	Value	Concentration Limit S AND DOC20/47 99 Percentile	Concentration Limit 6695-1).	(yes/no)	See note at end of report regarding installation of continuous
Dec-21	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	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Analysed Plans ("VX8: Samples Collected &	37351-1 AND "VX	Value	Samples 2020 EPA REFERE Mean of	Value NCE DOC20/476699	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	(yes/no)	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on Th	e Plans ("VX8: Samples Collected & Analysed	37351-1 AND "VX	Value 337351-2" 03/06/2 Lowest Sample Value	Samples 2020 EPA REFERE Mean of Samples	Value NCE DOC20/476699 Highest Sample Value	Concentration Limit S AND DOC20/47 99 Percentile	Concentration Limit 6695-1).	(yes/no) Exceedance (yes/no)	See note at end of report regarding installation of continuous
Dec-21	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 Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Analysed Plans ("VX8: Samples Collected &	37351-1 AND "VX: Date Sampled Dec-21	Value	Samples 2020 EPA REFERE Mean of Samples 673	Value NCE DOC20/476699	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	(yes/no)	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on Th	e Plans ("VX8: Samples Collected & Analysed 98.7%	37351-1 AND "VX	Value 337351-2" 03/06/2 Lowest Sample Value 214	Samples 2020 EPA REFERE Mean of Samples	NCE DOC20/476699 Highest Sample Value 908	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration	Concentration Limit 6695-1). 100 Percentile Concentration	Exceedance (yes/no) N/A	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Analysed Plans ("VX8: Samples Collected & Analysed 98.7% 98.7%	Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457	Samples 2020 EPA REFERE Mean of Samples 673 778	NCE DOC20/476699 Highest Sample Value 908 993	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit	Concentration Limit 6695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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 Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Analysed Plans ("VX8: Samples Collected & Analysed 98.7% 98.7%	Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457	Samples 2020 EPA REFERE Mean of Samples 673 778	NCE DOC20/476699 Highest Sample Value 908 993	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit	Concentration Limit 6695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83	Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457	Samples 2020 EPA REFERE Mean of Samples 673 778	NCE DOC20/476699 Highest Sample Value 908 993	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47	Concentration Limit 6695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of continuous monitoring instrumentation.
Dec-21	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) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% 98.7% Plans ("VX83. Samples	Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2	Mean of Samples 673 778 020 EPA REFEREN	NCE DOC20/476695	SAND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 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 continuous monitoring instrumentation.
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21	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	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Analysed Plans ("VX8: Samples Collected & Analysed 98.7% Plans ("VX83: Samples Collected & Collected &	Date Sampled Dec-21 Dec-21 Dec-21 7351-1 AND "VX8	Value 337351-2" 03/06/2 Lowest Sample 214 457 37351-2" 03/06/2 Lowest Sample	2020 EPA REFERE Mean of Samples 673 778 020 EPA REFEREN	NCE DOC20/476699 Highest Sample 908 993 ICE DOC20/476695 Highest Sample	6 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Concentration	Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21	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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed	Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value	Samples 2020 EPA REFERE Mean of Samples 673 778 020 EPA REFEREN	NCE DOC20/476695	SAND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 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 continuous monitoring instrumentation.
Dec-21 POINT 12 Month Dec-21 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Sylide 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	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3%	Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Date Sampled Date Sampled Date Sampled	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277	Mean of Samples 020 EPA REFERE Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 708	NCE DOC20/476695 Highest Sample Yalue 908 993 ACE DOC20/476695 Highest Sample Value 981	6 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Concentration	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12	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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed	Date Sampled Date Sampled Date Sampled	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value	Samples 2020 EPA REFERE Mean of Samples 673 778 020 EPA REFEREN	Highest Sample 908 993 NCE DOC20/476695 Highest Sample Value	6 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Concentration	Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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 Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma 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 rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3% 98.3%	Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515	Mean of Samples O20 EPA REFEREN Mean of Samples 673 778 O20 EPA REFEREN Mean of Samples 708 819	Highest Sample Value 908 993 NCE DOC20/476695 Highest Sample Value 1022	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12 Month Dec-21 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Sylide 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	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma 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 rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	e Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3% 98.3%	Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515	Mean of Samples O20 EPA REFEREN Mean of Samples 673 778 O20 EPA REFEREN Mean of Samples 708 819	Highest Sample Value 908 993 NCE DOC20/476695 Highest Sample Value 1022	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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 Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma 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 rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Analysed Plans ("VX8: Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3% Plans ("VX83	Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515	Mean of Samples O20 EPA REFEREN Mean of Samples 673 778 O20 EPA REFEREN Mean of Samples 708 819	Highest Sample Value 908 993 NCE DOC20/476695 Highest Sample Value 1022	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit	Concentration Limit 106995-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 6695-1).	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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 Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma 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 rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Analysed Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83. Samples Collected & Analysed 98.3% 98.3% 98.3% Plans ("VX83. Samples	Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515 37351-2" 03/06/2	Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 708 819	Highest Sample yalue 908 993 NCE DOC20/476695 Highest Sample Value 981 1022 NCE DOC20/476695	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47	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	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21 POINT 13	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 C and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) ma Unit of Measure (mg/m3) B (points 6 and 9) ma	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Tried and shown as EPA ID 12 on The Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Tried and shown as EPA ID 13 on The Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Plans ("VX83 Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3% Plans ("VX83 Samples Collected & Collected	Date Sampled Dec-21 7351-1 AND "VX8 Date Sampled Dec-21 7351-1 AND "VX8 Date Sampled Dec-21 Dec-21 7351-1 AND "VX8	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515 37351-2" 03/06/2 Lowest Sample	Mean of Samples O20 EPA REFEREN Mean of Samples 708 819 O20 EPA REFEREN Mean of Samples 708 819 O20 EPA REFEREN Mean of Samples	NCE DOC20/476695 Highest Sample Value 908 993 Highest Sample Value 981 1022 Highest Sample Highest Sample Highest Sample	SAND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit Concentration Limit	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 continuous monitoring instrumentation. Comments Comments
Dec-21 POINT 12 Month Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21 Dec-21	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	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) ma Unit of Measure (mg/m3) (mg/m3) B (points 8 and 9) ma	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Analysed Plans ("VX8. Samples Collected & Analysed 98.7% Plans ("VX83. Samples Collected & Analysed 98.3% 98.3% 98.3% Plans ("VX83. Samples	Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515 37351-2" 03/06/2	Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 708 819	Highest Sample yalue 908 993 NCE DOC20/476695 Highest Sample Value 981 1022 NCE DOC20/476695	Concentration Limit 5 AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47	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	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
Dec-21	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 C and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) ma Unit of Measure (mg/m3) (mg/m3) D (points 6 and 7) ma Unit of Measure (mg/m3) B (points 6 and 9) ma	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months rked and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous Continuous rked and shownas EPA ID 13 on The Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Analysed Plans ("VX8: Samples Collected & Analysed 98.7% Plans ("VX83 Samples Collected & Analysed 98.3% Plans ("VX83 Samples Collected & Analysed Collected & Analysed Analysed 98.3%	Date Sampled Dec-21 Dec-21 Date Sampled Dec-21 Date Sampled Dec-21 Date Sampled Dec-21 Dec-21 Dec-21 Dec-21	Value 337351-2" 03/06/2 Lowest Sample Value 214 457 37351-2" 03/06/2 Lowest Sample Value 277 515 37351-2" 03/06/2 Lowest Sample Value 457	Mean of Samples Mean of Samples 673 778 020 EPA REFEREN Mean of Samples 819 020 EPA REFEREN Mean of Samples	Highest Sample 908 993 ICE DOC20/476695 Highest Sample Value 9102 NCE DOC20/476695 Highest Sample Value	SAND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit AND DOC20/47 99 Percentile Concentration Limit Concentration Limit	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	See note at end of report regarding installation of continuous monitoring instrumentation. Comments Comments

POINT 15	Boiler number 6 combined exhaust - duct C and D	(points 10 and 11) r	marked and shownas EPA ID 12 on 1	The Plans ("VX	837351-1 AND "V	X837351-2" 03/06	/2020 EPA REFER	ENCE DOC20/47669	95 AND DOC20/4	176695-1).		
				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
Dec-21	Nitrogen Oxides	(mg/m3)	Continuous	99.0%	Dec-21	201	580	1137			N/A	_
Dec-21	Sulfur dioxide	(mg/m3)	Continuous	99.8%	Dec-21	530	740	976			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 DOC20/4	76695 AND DOC20/476695-1).

I Olivi ZZ	Discharge of cooling water from the cooling water	outice canal to try	ce buy marked and shown as Erren	, EE 011 111C 1 10	uno (***********************************	71110 1710077001	. 00,00,2020 2.	A HEI EHEITEE DOG	20, 47 0033 71112	DOCEO, 47 0033 1	,	
				Samples					98.5 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
Dec-21	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	9/12/2021	<0.1	<0.1	<0.1		0.2	No	i
Dec-21	Copper	(mg/L)	Monthly during discharge	1	9/12/2021	0.004	0.004	0.004		0.005	No	i
Dec-21	Iron	(mg/L)	Monthly during discharge	1	9/12/2021	0.097	0.097	0.097		0.3	No	
Dec-21	Oil and Grease	Visible	Continuous during discharge	100%	Dec-21	NIL	NIL	NIL				Ì
Dec-21	Selenium	(mg/L)	Monthly during discharge	1	9/12/2021	<0.002	<0.002	<0.002		0.005	No	
Dec-21	Temperature	(°C)	Continuous during discharge	100%	Dec-21	23.7	28.7	35.0	35	37.5	No	Ì

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).

POINT 23	Discharge of supernatant water from the asir dam	to the cooming water	outlet canar to wyce bay marked		EI A ID 23 OII III	1 Idii3 (VA037332	-1 AILD 1/03/3	31-2 03/00/2020				0033-11.
				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
Dec-21	Aluminium	(mg/L)	Monthly during discharge	1	9/12/2021	0.063	0.063	0.063				
Dec-21	Ammonia	(mg/L)	Monthly during discharge	1	9/12/2021	0.16	0.16	0.16				
Dec-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/12/2021	<0.0050	<0.0050	< 0.0050				
Dec-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/12/2021	<0.0050	<0.0050	< 0.0050				
Dec-21	Cadmium	(mg/L)	Monthly during discharge	1	9/12/2021	<0.0002	<0.0002	< 0.0002				
Dec-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/12/2021	0.006	0.006	0.006				
Dec-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/12/2021	0.023	0.023	0.023				
Dec-21	Copper	(mg/L)	Monthly during discharge	1	9/12/2021	< 0.001	<0.001	< 0.001				
Dec-21	Iron	(mg/L)	Monthly during discharge	1	9/12/2021	0.10	0.10	0.10				
Dec-21	Lead	(mg/L)	Monthly during discharge	1	9/12/2021	<0.0002	<0.0002	< 0.0002				
Dec-21	Manganese	(mg/L)	Monthly during discharge	1	9/12/2021	0.0087	0.0087	0.0087				
Dec-21	Nickel	(mg/L)	Monthly during discharge	1	9/12/2021	< 0.0005	< 0.0005	< 0.0005				
Dec-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/12/2021	0.28	0.28	0.28				
Dec-21	Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2021	<0.5	<0.5	<0.5				
Dec-21	pH	pН	Monthly during discharge	1	9/12/2021	7.94	7.94	7.94		6.5 - 9.5	No	
Dec-21	Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2021	0.07	0.07	0.07				
Dec-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2021	0.03	0.03	0.03				1
Dec-21	Selenium	(mg/L)	Monthly during discharge	1	9/12/2021	0.094	0.094	0.094				
Dec-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2021	<0.5	<0.5	<0.5				1
Dec-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/12/2021	2	2	2		50	No	
Dec-21	Vanadium	(mg/L)	Monthly during discharge	1	9/12/2021	0.0839	0.0839	0.0839				1
Dec-21	Zinc	(mg/L)	Monthly during discharge	1	9/12/2021	< 0.005	<0.005	< 0.005				

POINT 24	Discharge of seepage water from the ash dam rehabilitation area to Mannering Bay marked and shown as EPA ID 24 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
Dec-21	Aluminium	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Ammonia	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Cadmium	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Copper	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Iron	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Lead	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Manganese	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Nickel	(mg/L)	Monthly during discharge	1	9/12/2021				No			No discharge from EPA Point 24 during December 2021
Dec-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	pH	pН	Monthly during discharge	1	9/12/2021				No	6.5 - 9.5	No	
Dec-21	Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Selenium	(mg/L)	Monthly during discharge	1	9/12/2021				No			<u> </u>
Dec-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	9/12/2021				No			
Dec-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	9/12/2021				No	50	No	
Dec-21	Vanadium	(mg/L)	Monthly during discharge	1	9/12/2021				No			·
Dec-21	Zinc	(mg/L)	Monthly during discharge	1	9/12/2021				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	Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/110)	Limit	(yes/no)	Comments
Dec-21	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during December 2021
Dec-21	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Dec-21	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Dec-21	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-21	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

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).											
				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
Dec-21	Aluminium	(mg/L)	Quarterly									
Dec-21	Ammonia	(mg/L)	Quarterly									
Dec-21	Arsenic (III)	(mg/L)	Quarterly									
Dec-21	Arsenic (V)	(mg/L)	Quarterly									
Dec-21	Cadmium	(mg/L)	Quarterly									
Dec-21	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-21	Copper	(mg/L)	Quarterly									
Dec-21	Electrical Conductivity	(us/cm)	Quarterly									
Dec-21	Iron	(mg/L)	Quarterly									
Dec-21	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2022
Dec-21	Magnesium	(mg/L)	Quarterly									
Dec-21	Manganese	(mg/L)	Quarterly									
Dec-21	Nickel	(mg/L)	Quarterly									
Dec-21	рН	pН	Quarterly									
Dec-21	Potassium	(mg/L)	Quarterly									
Dec-21	Selenium	(mg/L)	Quarterly									
Dec-21	Sodium	(mg/L)	Quarterly	•			•					_
Dec-21	Standing Water Level	(m)	Quarterly					,				
Dec-21	Vanadium	(mg/L)	Quarterly	•			•					_
Dec-21	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).

POINT 31	Groundwater quality monitoring bore marked an	d snown as EPA ID 3	1 on The Plans ("VX83/351-1 AND"		03/06/2020 EPA I	REFERENCE DOCZU	1/4/6695 AND DC	C20/4/6695-1).				
				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
Dec-21	Aluminium	(mg/L)	Quarterly									
Dec-21	Ammonia	(mg/L)	Quarterly									
Dec-21	Arsenic (III)	(mg/L)	Quarterly									
Dec-21	Arsenic (V)	(mg/L)	Quarterly									
Dec-21	Cadmium	(mg/L)	Quarterly									
Dec-21	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-21	Copper	(mg/L)	Quarterly									
Dec-21	Electrical Conductivity	(us/cm)	Quarterly									
Dec-21	Iron	(mg/L)	Quarterly									
Dec-21	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2022
Dec-21	Magnesium	(mg/L)	Quarterly									
Dec-21	Manganese	(mg/L)	Quarterly									
Dec-21	Nickel	(mg/L)	Quarterly									
Dec-21	pH	pH	Quarterly									
Dec-21	Potassium	(mg/L)	Quarterly									
Dec-21	Selenium	(mg/L)	Quarterly									
Dec-21	Sodium	(mg/L)	Quarterly									
Dec-21	Standing Water Level	(m)	Quarterly									
Dec-21	Vanadium	(mg/L)	Quarterly									
Dec-21	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					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
Dec-21	Aluminium	(mg/L)	Quarterly									
Dec-21	Ammonia	(mg/L)	Quarterly									
Dec-21	Arsenic (III)	(mg/L)	Quarterly									
Dec-21	Arsenic (V)	(mg/L)	Quarterly									
Dec-21	Cadmium	(mg/L)	Quarterly									
Dec-21	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-21	Copper	(mg/L)	Quarterly									
Dec-21	Electrical Conductivity	(us/cm)	Quarterly									
Dec-21	Iron	(mg/L)	Quarterly									
Dec-21	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2022
Dec-21	Magnesium	(mg/L)	Quarterly									
Dec-21	Manganese	(mg/L)	Quarterly									
Dec-21	Nickel	(mg/L)	Quarterly									
Dec-21	pH	pH	Quarterly									
Dec-21	Potassium	(mg/L)	Quarterly									
Dec-21	Selenium	(mg/L)	Quarterly			•						
Dec-21	Sodium	(mg/L)	Quarterly									
Dec-21	Standing Water Level	(m)	Quarterly									
Dec-21	Vanadium	(mg/L)	Quarterly			•						
Dec-21	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	0 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

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						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
Dec-21	Aluminium	(mg/L)	Quarterly									
Dec-21	Ammonia	(mg/L)	Quarterly									
Dec-21	Arsenic (III)	(mg/L)	Quarterly									
Dec-21	Arsenic (V)	(mg/L)	Quarterly									
Dec-21	Cadmium	(mg/L)	Quarterly									
Dec-21	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-21	Copper	(mg/L)	Quarterly									
Dec-21	Electrical Conductivity	(us/cm)	Quarterly									
Dec-21	Iron	(mg/L)	Quarterly									
Dec-21	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2022
Dec-21	Magnesium	(mg/L)	Quarterly									
Dec-21	Manganese	(mg/L)	Quarterly									
Dec-21	Nickel	(mg/L)	Quarterly									
Dec-21	рН	pН	Quarterly									
Dec-21	Potassium	(mg/L)	Quarterly									
Dec-21	Selenium	(mg/L)	Quarterly									
Dec-21	Sodium	(mg/L)	Quarterly									
Dec-21	Standing Water Level	(m)	Quarterly									
Dec-21	Vanadium	(mg/L)	Quarterly									
Dec-21	Zinc	(mg/L)	Quarterly									

POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				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
Dec-21	Aluminium	(mg/L)	Quarterly									
Dec-21	Ammonia	(mg/L)	Quarterly									
Dec-21	Arsenic (III)	(mg/L)	Quarterly									
Dec-21	Arsenic (V)	(mg/L)	Quarterly									
Dec-21	Cadmium	(mg/L)	Quarterly									
Dec-21	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-21	Copper	(mg/L)	Quarterly									
Dec-21	Electrical Conductivity	(us/cm)	Quarterly									
Dec-21	Iron	(mg/L)	Quarterly									
Dec-21	Lead	(mg/L)	Quarterly									Next sample scheduled for January 2022
Dec-21	Magnesium	(mg/L)	Quarterly									
Dec-21	Manganese	(mg/L)	Quarterly									
Dec-21	Nickel	(mg/L)	Quarterly									
Dec-21	pH	pH	Quarterly									
Dec-21	Potassium	(mg/L)	Quarterly									
Dec-21	Selenium	(mg/L)	Quarterly									
Dec-21	Sodium	(mg/L)	Quarterly				•					
Dec-21	Standing Water Level	(m)	Quarterly									
Dec-21	Vanadium	(mg/L)	Quarterly				<u> </u>					-
Dec-21	Zinc	(mg/L)	Quarterly									

GENERAL COMMENTS

Delta has requested amendment of the required date for installation of continuous monitoring instrumentation (temperature, oxygen, moisture) as permissible under Condition M2.4 of EPL761. Delta has also provided the EPA with a proposal for utilisation of a gas flowrate calculation at monitoring points 4 to 11 as an alternative to inline instrumentation. Instrument suppliers advise that there are currently no flow instruments capable of accurately measuring gas flowrate at monitoring locations 4 to 11.