Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	March 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).

FOINT 2	Combined an emissions from boller 3 via Foliits 4 t	07 to 1 omt 1 marked	and shown as Er A ID 2 on The I		31-1 AILD VA037.	JJ1-2 03/00/202	O EL 71 MET EMENTO					
				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months							0.2		
Mar-21	Chlorine	(mg/m3)	Every 6 months							20		
Mar-21	Fluorine	(mg/m3)	Every 6 months							30		
Mar-21	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Mar-21	Mercury	(mg/m3)	Every 6 months							0.05		
Mar-21	Nitrogen Oxides	(mg/m3)	Continuous	96.29%	Mar-21	450	581	783	1100	1500	No	
Mar-21	Solid Particles	(mg/m3)	Quarterly							50		
Mar-21	Sulfur dioxide	(mg/m3)	Continuous	96.29%	Mar-21	497	692	871	1400	1700	No	
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				·			0.75		
Mar-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 Folits a ti	J II to I ollit I marke	d and shown as Er A ID 5 on The		31-1 AND 47037	551 2 65,66,26	20 21 71 1121 211211	CE D'O CEO, 47 0033				
				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months							0.2		
Mar-21	Chlorine	(mg/m3)	Every 6 months							20		
Mar-21	Fluorine	(mg/m3)	Every 6 months							30		_
Mar-21	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Mar-21	Mercury	(mg/m3)	Every 6 months							0.05		
Mar-21	Nitrogen Oxides	(mg/m3)	Continuous	95.30%	Mar-21	356	672	933	1100	1500	No	
Mar-21	Solid Particles	(mg/m3)	Quarterly							50		
Mar-21	Sulfur dioxide	(mg/m3)	Continuous	95.30%	Mar-21	366	658	875	1400	1700	No	
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Mar-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).

			Sample/Measurement	Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Carbon dioxide	(%)	Every 6 months									
Mar-21	Chlorine	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Fluorine	(mg/m3)	Every 6 months									
Mar-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									_

POINT 5	Boiler number 5 exhaust - duct B marked and show	n as EPA ID 5 on The I	Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2	2020 EPA REFERE	NCE DOC20/47669	5 AND DOC20/4	76695-1).				
				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	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).

			iuns (thospass 17mls thosp	Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Carbon dioxide	(%)	Every 6 months									
Mar-21	Chlorine	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Fluorine	(mg/m3)	Every 6 months									
Mar-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-21	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		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	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		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Carbon dioxide	(%)	Every 6 months									
Mar-21	Chlorine	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Fluorine	(mg/m3)	Every 6 months									
Mar-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months			_	·					_
Mar-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

						102 00020, 17003	5 AND DOC20/4	70093-17.				
				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months									
Mar-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Mar-21	Mercury	(mg/m3)	Every 6 months									
Mar-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Mar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									,
				•	•			•				
POINT 10	Boiler number 6 exhaust - duct C marked and show	vn as EPA ID 10 on The	Plans ("VX837351-1 AND "VX837	351-2" 03/06	/2020 EPA REFERE	NCE DOC20/4766	95 AND DOC20/	476695-1).				
				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months		·		•				,, , ,	
Mar-21	Carbon dioxide	(%)	Every 6 months									
Mar-21	Chlorine	(mg/m3)	Every 6 months	1								
Mar-21	Flow rate	(m3/s)	Continuous	 				1				Not required until 31 October 2021
viai-21 Viar-21	Fluorine	(mg/m3)	Every 6 months	1				1				Not required until 31 October 2021
viar-21 Viar-21	Hydrogen chloride		Every 6 months	 		-		-				
	, ,	(mg/m3)		 								
Mar-21	Mercury	(mg/m3)	Every 6 months	 								Net remained well 24 October 20024
Mar-21	Moisture	(%)	Continuous	!				ļ				Not required until 31 October 2021
Mar-21	Oxygen (O2)	(%)	Continuous	ļ				ļ				Not required until 31 October 2021
Mar-21	Solid Particles	(mg/m3)	Quarterly									
Mar-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Mar-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Vlar-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Mar-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
POINT 11	Boiler number 6 exhaust - duct D marked and show	wn as EPA ID 11 on The	Plans ("VX837351-1 AND "VX837	7351-2" 03/06	/2020 EPA REFERI	ENCE DOC20/4766	95 AND DOC20/	476695-1).				
1				Samples					99 Percentile	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of			Concentration	Exceedance	
Month	Pollutant							Highest Sample	Concentration			
		Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
	Cadmium			Analysed	Date Sampled	-						Comments
Mar-21	Cadmium	(mg/m3)	Every 6 months	Analysed	Date Sampled	-						
Mar-21 Mar-21	Cadmium Flow rate	(mg/m3) (m3/s)	Every 6 months Continuous	Analysed	Date Sampled	-						Comments Not required until 31 October 2021
Mar-21 Mar-21 Mar-21	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months	Analysed	Date Sampled	-						Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous	Analysed	Date Sampled	-						Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Cadmium Flow rate Mercury Moisture Oxygen (O2)	(mg/m3) (m3/s) (mg/m3) (%) (%)	Every 6 months Continuous Every 6 months Continuous Continuous	Analysed	Date Sampled	-						Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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 Continuous Quarterly	Analysed	Date Sampled	-						Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous	Analysed	Date Sampled	-						Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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 Continuous Quarterly	Analysed	Date Sampled	-						Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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			Value	Samples	Value	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months			Value	Samples	Value	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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			Value	Samples	Value	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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			Value	Samples	Value	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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	e Plans ("VX83		Value	Samples	Value	Limit 5 AND DOC20/4 99 Percentile	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-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 d and shown as EPA ID 12 on The	Plans ("VX83" Samples Collected &		Value	Samples 020 EPA REFERE	Value NCE DOC20/47669	Limit 5 AND DOC20/4 99 Percentile	Limit 76695-1).	(yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 OINT 12	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 B	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (*C) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ad and shown as EPA ID 12 on The Sample/Measurement Frequency	Plans ("VX83" Samples Collected & Analysed	7351-1 AND "VX8:	Value 37351-2" 03/06/2 Lowest Sample Value	Samples 020 EPA REFERE Mean of Samples	Value NCE DOC20/47669 Highest Sample Value	Limit 5 AND DOC20/4 99 Percentile Concentration	Limit 76695-1). 100 Percentile Concentration	Exceedance (yes/no)	Not required until 31 October 2021
Mar-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 B	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*c) (mg/m3) (*c) (mg/m3) (points 4 and 5) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90%	7351-1 AND "VX8: Date Sampled Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324	O20 EPA REFERE Mean of Samples 516	Value NCE DOC20/47669 Highest Sample Value 683	Limit 5 AND DOC20/4 99 Percentile Concentration	Limit 76695-1). 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
Mar-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 B	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (*C) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months ad and shown as EPA ID 12 on The Sample/Measurement Frequency	Plans ("VX83" Samples Collected & Analysed	7351-1 AND "VX8:	Value 37351-2" 03/06/2 Lowest Sample Value	Samples 020 EPA REFERE Mean of Samples	Value NCE DOC20/47669 Highest Sample Value	Limit 5 AND DOC20/4 99 Percentile Concentration	Limit 76695-1). 100 Percentile Concentration	Exceedance (yes/no)	Not required until 31 October 2021
Mar-21 Vlar-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 B Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months and and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% 98.90%	Date Sampled Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399	O20 EPA REFERE Mean of Samples 516 618	Value NCE DOC20/47669 Highest Sample Value 683 813	5 AND DOC20/4 99 Percentile Concentration Limit	Limit 76695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Mar-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 B	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months and and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% 98.90%	Date Sampled Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399	O20 EPA REFERE Mean of Samples 516 618	Value NCE DOC20/47669 Highest Sample Value 683 813	5 AND DOC20/4 99 Percentile Concentration Limit	Limit 76695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months and and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837"	Date Sampled Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399	O20 EPA REFERE Mean of Samples 516 618	Value NCE DOC20/47669 Highest Sample Value 683 813	5 AND DOC20/4 99 Percentile Concentration Limit	Limit 76695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marker (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% 98.90% Plans ("VX837" Samples	Date Sampled Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2	O20 EPA REFERE Mean of Samples 516 618	NCE DOC20/476695	5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile	76695-1). 100 Percentile Concentration Limit 100 Percentile 100	Exceedance (yes/no) No	Not required until 31 October 2021
Mar-21 Month Mar-21 Mar-21 Mar-21 Mar-21 Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (points 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% 98.90% Plans ("VX837 Samples Collected &	Date Sampled Mar-21 Mar-21 351-1 AND "VX83	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample	O20 EPA REFERE Mean of Samples 516 618 020 EPA REFEREN	NCE DOC20/47669 Highest Sample Value 683 813 RCE DOC20/476695 Highest Sample	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration	76695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Mar-21 DINT 12 Wonth Mar-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 B Pollutant Nitrogen Oxides Suffur dioxide Boiler number 5 combined exhaust - duct C and D	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed	Date Sampled Mar-21 Mar-21 351-1 AND "VX83	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/21 Lowest Sample Value	Mean of 516 618 Mean of 5amples	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value	5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile	76695-1). 100 Percentile Concentration Limit 100 Percentile 100	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021
Mar-21 DINT 12 Month Mar-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 B Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rc) (mg/m3) (°C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29%	Date Sampled Mar-21 Mar-21 Date Sampled Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472	Mean of Samples 516 618 220 EPA REFEREN Mean of Samples 546 Mean of Samples 646	NCE DOC20/476695 Highest Sample Value 683 813 ICE DOC20/476695 Highest Sample Value 888	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration	76695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-21 OINT 12 Month Mar-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 B Pollutant Nitrogen Oxides Suffur dioxide Boiler number 5 combined exhaust - duct C and D	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed	Date Sampled Mar-21 Mar-21 351-1 AND "VX83	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/21 Lowest Sample Value	Mean of 516 618 Mean of 5amples	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration	76695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021 Comments
Mar-21 Month Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29%	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595	Mean of Samples Mean of Samples 516 618 Mean of Samples 646 767	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value 888 871	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-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 B Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29%	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595	Mean of Samples Mean of Samples 516 618 Mean of Samples 646 767	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value 888 871	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-21 Month Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29%	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595	Mean of Samples Mean of Samples 516 618 Mean of Samples 646 767	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value 888 871	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-21 OINT 12 Month Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29%	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595	Mean of Samples Mean of Samples 516 618 Mean of Samples 646 767	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value 888 871	5 AND DOC20/4 99 Percentile Concentration Limit 5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-21 DINT 12 Wonth Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% 98.90% Plans ("VX837 Samples Collected & Analysed 96.29% 96.29%	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595	Mean of Samples Mean of Samples 516 618 Mean of Samples 646 767	Value NCE DOC20/47669 Highest Sample Value 683 813 NCE DOC20/476695 Highest Sample Value 888 871	5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile	76695-1). 100 Percentile Concentration Limit Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke Unit of Measure (mg/m3) (mg/m3) (points 8 and 9) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous Continuous Continuous Continuous d and shownas EPA ID 13 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29% Plans ("VX837 Samples Collected & Collected &	Date Sampled Mar-21 Mar-21 351-1 AND "VX83 Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/2 Lowest Sample Value 472 595 7351-2" 03/06/2	Mean of Samples 516 618 200 EPA REFEREN Mean of Samples 646 767 200 EPA REFEREN	Highest Sample Value 683 813 RCE DOC20/476695 Highest Sample Value 888 871 RCE DOC20/476695	5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile	76695-1). 100 Percentile Concentration Limit Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No No No Exceedance (yes/no) No No Exceedance	Not required until 31 October 2021 Comments Comments
Mar-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 B Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (points 4 and 5) marke Unit of Measure (mg/m3) (mg/m3) (points 6 and 7) marke	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Sample/Measurement Frequency Continuous	Plans ("VX83" Samples Collected & Analysed 98.90% Plans ("VX837 Samples Collected & Analysed 96.29% Plans ("VX837	Date Sampled Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21 Mar-21	Value 37351-2" 03/06/2 Lowest Sample Value 324 399 7351-2" 03/06/20 Lowest Sample Value 472 595 7351-2" 03/06/20 Lowest Sample	Mean of Samples 516 618 020 EPA REFEREN Mean of Samples 546 767 020 EPA REFEREN	NCE DOC20/476695 Highest Sample Value 683 813 Highest Sample Value 888 871 Highest Sample Highest Sample	5 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile Concentration Limit 6 AND DOC20/4 99 Percentile Concentration Concentration Concentration Concentration	76695-1). 100 Percentile Concentration Limit 26695-1). 100 Percentile Concentration Limit 276695-1).	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021 Comments

POINT 15	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			
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Mar-21	Nitrogen Oxides	(mg/m3)	Continuous	95.56%	Mar-21	313	687	944			No		
Mar-21	Sulfur dioxide	(mg/m3)	Continuous	95.56%	Mar-21	282	596	805			No	_	

POINT 22														
				Samples					97 Percentile	100 Percentile				
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance			
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments		
Mar-21	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	19/3/2021	0.02	0.02	0.02		0.2	No			
Mar-21	Copper	(mg/L)	Monthly during discharge	1	19/3/2021	0.001	0.001	0.001		0.005	No			
Mar-21	Iron	(mg/L)	Monthly during discharge	1	19/3/2021	0.178	0.178	0.178		0.3	No			
Mar-21	Oil and Grease	Visible	Continuous during discharge	100%	Mar-21	NIL	NIL	NIL						
Mar-21	Selenium	(mg/L)	Monthly during discharge	1	19/3/2021	0.0037	0.0037	0.0037		0.005	No			
Mar-21	Temperature	(°C)	Continuous during discharge	100%	Mar-21	25.04	29.97	34.00	35	37.5	No			

POINT 23														
				Samples					99 Percentile	100 Percentile				
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance			
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments		
Mar-21	Aluminium	(mg/L)	Monthly during discharge	1	10/3/2021	0.518	0.518	0.518						
Mar-21	Ammonia	(mg/L)	Monthly during discharge	1	10/3/2021	< 0.10	< 0.10	<0.10						
Mar-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	10/3/2021	<0.005	< 0.005	< 0.005						
Mar-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	10/3/2021	<0.005	< 0.005	< 0.005						
Mar-21	Cadmium	(mg/L)	Monthly during discharge	1	10/3/2021	0.0002	0.0002	0.0002						
Mar-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	10/3/2021	0.024	0.024	0.024						
Mar-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	10/3/2021	0.006	0.006	0.006						
Mar-21	Copper	(mg/L)	Monthly during discharge	1	10/3/2021	0.003	0.003	0.003						
Mar-21	Iron	(mg/L)	Monthly during discharge	1	10/3/2021	1.16	1.16	1.16						
Mar-21	Lead	(mg/L)	Monthly during discharge	1	10/3/2021	0.0008	0.0008	0.0008						
Mar-21	Manganese	(mg/L)	Monthly during discharge	1	10/3/2021	0.24	0.24	0.24						
Mar-21	Nickel	(mg/L)	Monthly during discharge	1	10/3/2021	0.0044	0.0044	0.0044						
Mar-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	10/3/2021	0.19	0.19	0.19						
Mar-21	Nitrogen	(mg/L)	Monthly during discharge	1	10/3/2021	0.9	0.9	0.9						
Mar-21	рН	рН	Monthly during discharge	1	10/3/2021	8.43	8.43	8.43		6.5 - 9.5	No			
Mar-21	Phosphorus	(mg/L)	Monthly during discharge	1	10/3/2021	0.11	0.11	0.11						
Mar-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	10/3/2021	0.03	0.03	0.03						
Mar-21	Selenium	(mg/L)	Monthly during discharge	1	10/3/2021	0.062	0.062	0.062						
Mar-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	10/3/2021	0.7	0.7	0.7						
Mar-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	10/3/2021	30	30	30		50	No			
Mar-21	Vanadium	(mg/L)	Monthly during discharge	1	10/3/2021	0.0504	0.0504	0.0504						
Mar-21	Zinc	(mg/L)	Monthly during discharge	1	10/3/2021	0.013	0.013	0.013						

POINT 24	Discharge of seepage water from the ash dam rel	nabilitation area to Man	nering Bay marked and shown as	EPA ID 24 on	The Plans ("VX83"	7351-1 AND "VX83	7351-2" 03/06	2020 EPA REFEREN	ICE DOC20/476	695 AND DOC20	/476695-1).	
				Samples					Discharge	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/no)	Limit	(yes/no)	Comments
Mar-21	Aluminium	(mg/L)	Monthly during discharge	1	10/3/2021	0.071	0.071	0.071	Yes			
Mar-21	Ammonia	(mg/L)	Monthly during discharge	1	10/3/2021	1.62	1.62	1.62	Yes			
Mar-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	10/3/2021	<0.005	<0.005	< 0.005	Yes			
Mar-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	10/3/2021	< 0.005	< 0.005	< 0.005	Yes			
Mar-21	Cadmium	(mg/L)	Monthly during discharge	1	10/3/2021	0.0004	0.0004	0.0004	Yes			
Mar-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	10/3/2021	<0.001	< 0.001	< 0.001	Yes			
Mar-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	10/3/2021	<0.001	< 0.001	< 0.001	Yes			
Mar-21	Copper	(mg/L)	Monthly during discharge	1	10/3/2021	<0.001	< 0.001	< 0.001	Yes			
Mar-21	Iron	(mg/L)	Monthly during discharge	1	10/3/2021	0.434	0.434	0.434	Yes			
Mar-21	Lead	(mg/L)	Monthly during discharge	1	10/3/2021	<0.0002	< 0.0002	< 0.0002	Yes			
Mar-21	Manganese	(mg/L)	Monthly during discharge	1	10/3/2021	0.0972	0.0972	0.0972	Yes			Intermittent discharge at EPA 24 during high rainfall event due to
Mar-21	Nickel	(mg/L)	Monthly during discharge	1	10/3/2021	< 0.0005	< 0.0005	< 0.0005	Yes			surface water ingress into the seepage pit.
Mar-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	10/3/2021	0.21	0.21	0.21	Yes			
Mar-21	Nitrogen	(mg/L)	Monthly during discharge	1	10/3/2021	1.9	1.9	1.9	Yes			
Mar-21	рН	pH	Monthly during discharge	1	10/3/2021	7.95	7.95	7.95	Yes	6.5 - 9.5	No	
Mar-21	Phosphorus	(mg/L)	Monthly during discharge	1	10/3/2021	< 0.05	< 0.05	< 0.05	Yes			
Mar-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	10/3/2021	< 0.01	< 0.01	<0.01	Yes			
Mar-21	Selenium	(mg/L)	Monthly during discharge	1	10/3/2021	0.002	0.002	0.002	Yes			
Mar-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	10/3/2021	1.7	1.7	1.7	Yes			
Mar-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	10/3/2021	<2	<2	<2	Yes	50	No	
Mar-21	Vanadium	(mg/L)	Monthly during discharge	1	10/3/2021	0.007	0.007	0.007	Yes			
Mar-21	Zinc	(mg/L)	Monthly during discharge	1	10/3/2021	<0.005	< 0.005	<0.005	Yes			

POINT 25	Discharge of over boarded water from the ash	dam to Mannering Bay ma	arked and shown as EPA ID 25 on	The Plans ("V)	(837351-1 AND "V	/X837351-2" 03/0	6/2020 EPA REF	ERENCE DOC20/47	6695 AND DOO	20/476695-1).		
				Samples					Discharge	100 Percentile		
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration		
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	(903/110)	Limit	(yes/no)	Comments
Mar-21	Aluminium	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.141	0.473	0.942	Yes			
Mar-21	Ammonia	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.01	0.086	0.190	Yes			
Mar-21	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.0005	0.0008	0.0017	Yes			Discharge from the ash dam at licensed discharge point EPA 25
Mar-21	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.0005	0.0012	0.0024	Yes			commenced on 21.3.2021. Rainfall measured at EPA monitoring
Mar-21	Cadmium	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	<0.00005	0.00006	0.00010	Yes			point 16 during the 31-day period immediately prior to discharge
Mar-21	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.001	0.002	0.004	Yes			was 447.4mm.
Mar-21	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.001	0.004	0.010	Yes			
Mar-21	Copper	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.0005	0.0011	0.0017	Yes			
Mar-21	Iron	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.32	0.68	1.09	Yes			
Mar-21	Lead	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.0001	0.0004	0.0007	Yes			
Mar-21	Manganese	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.0322	0.0985	0.2520	Yes			
Mar-21	Nickel	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.0005	0.0008	0.0015	Yes			
Mar-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.01	0.02	0.05	Yes			
Mar-21	Nitrogen	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.2	0.4	0.7	Yes			
Mar-21	рН	pH	Daily for any discharge >2 hrs	11	21 - 31 March	6.66	6.99	7.58	Yes	6.5 - 9.5	No	
Mar-21	Phosphorus	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.02	0.04	0.06	Yes			
Mar-21	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	< 0.01	< 0.01	< 0.01	Yes			
Mar-21	Selenium	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.0029	0.0156	0.0238	Yes			
Mar-21	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.2	0.4	0.7	Yes			
Mar-21	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	4	16	74	Yes	50	Yes	Water sample taken on 25/3/2021 had TSS concentration of 74mg/L.
Mar-21	Vanadium	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.0043	0.0147	0.0202	Yes			Notification provided to EPA in accordance with EPL condition R4.1.
Mar-21	Zinc	(mg/L)	Daily for any discharge >2 hrs	11	21 - 31 March	0.003	0.023	0.066	Yes			Notification provided to EFA in accordance with EFE condition R4.1.

POINT 30	Groundwater quality monitoring bore marked and	shown as EPA ID 30 o	n The Plans ("VX837351-1 AND "\	/X837351-2" (3/06/2020 EPA R	EFERENCE DOC20,	476695 AND DO	C20/476695-1).				
			Sample/Measurement	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Aluminium	(mg/L)	Quarterly									
Mar-21	Ammonia	(mg/L)	Quarterly									
Mar-21	Arsenic (III)	(mg/L)	Quarterly									
Mar-21	Arsenic (V)	(mg/L)	Quarterly									
Mar-21	Cadmium	(mg/L)	Quarterly									
Mar-21	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-21	Copper	(mg/L)	Quarterly									
Mar-21	Electrical Conductivity	(us/cm)	Quarterly									
Mar-21	Iron	(mg/L)	Quarterly									Next sample due April 2021
Mar-21	Lead	(mg/L)	Quarterly									
Mar-21	Magnesium	(mg/L)	Quarterly									
Mar-21	Manganese	(mg/L)	Quarterly									
Mar-21	Nickel	(mg/L)	Quarterly									
Mar-21	pH	pH	Quarterly									
Mar-21	Potassium	(mg/L)	Quarterly									
Mar-21	Selenium	(mg/L)	Quarterly									
Mar-21	Sodium	(mg/L)	Quarterly	İ								
Mar-21	Standing Water Level	(m)	Quarterly									
Mar-21	Vanadium	(mg/L)	Quarterly	İ								
Mar-21	Zinc	(mg/L)	Quarterly	i e								

POINT 31	Groundwater quality monitoring bore marked and	shown as EPA ID 31 o	n The Plans ("VX837351-1 AND "\	/X837351-2" 0	3/06/2020 EPA R	EFERENCE DOC20/	476695 AND DO	C20/476695-1).				
			Sample/Measurement	Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Mar-21	Aluminium	(mg/L)	Quarterly									
Mar-21	Ammonia	(mg/L)	Quarterly									
Mar-21	Arsenic (III)	(mg/L)	Quarterly									
Mar-21	Arsenic (V)	(mg/L)	Quarterly									
Mar-21	Cadmium	(mg/L)	Quarterly									
Mar-21	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-21	Copper	(mg/L)	Quarterly									
Mar-21	Electrical Conductivity	(us/cm)	Quarterly									
Mar-21	Iron	(mg/L)	Quarterly									Next sample due April 2021
Mar-21	Lead	(mg/L)	Quarterly									
Mar-21	Magnesium	(mg/L)	Quarterly									
Mar-21	Manganese	(mg/L)	Quarterly									
Mar-21	Nickel	(mg/L)	Quarterly									
Mar-21	pH	pН	Quarterly									
Mar-21	Potassium	(mg/L)	Quarterly									
Mar-21	Selenium	(mg/L)	Quarterly									
Mar-21	Sodium	(mg/L)	Quarterly				·					
Mar-21	Standing Water Level	(m)	Quarterly									
Mar-21	Vanadium	(mg/L)	Quarterly				·					
Mar-21	Zinc	(mg/L)	Quarterly									

POINT 32	Groundwater quality monitoring bore marked and	shown as EPA ID 32 or	n The Plans ("VX837351-1 AND "	VX837351-2" (3/06/2020 EPA R	EFERENCE DOC20/	476695 AND DO	C20/476695-1).			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit		Comments
Mar-21	Aluminium	(mg/L)	Quarterly	,		12.20				 (,,,	
Mar-21	Ammonia	(mg/L)	Quarterly								
Mar-21	Arsenic (III)	(mg/L)	Quarterly								
Mar-21	Arsenic (V)	(mg/L)	Quarterly								
Mar-21	Cadmium	(mg/L)	Quarterly								
Mar-21	Chromium (trivalent)	(mg/L)	Quarterly								
Mar-21	Chromium (VI) Compounds	(mg/L)	Quarterly								
Mar-21	Copper	(mg/L)	Quarterly								
Mar-21	Electrical Conductivity	(us/cm)	Quarterly								
Mar-21	Iron	(mg/L)	Quarterly								Next sample due April 2021
Mar-21	Lead	(mg/L)	Quarterly								
Mar-21	Magnesium	(mg/L)	Quarterly								
Mar-21	Manganese	(mg/L)	Quarterly								
Mar-21	Nickel	(mg/L)	Quarterly								
Mar-21	pH	pН	Quarterly								
Mar-21	Potassium	(mg/L)	Quarterly								
Mar-21	Selenium	(mg/L)	Quarterly								
Mar-21	Sodium	(mg/L)	Quarterly								
Mar-21	Standing Water Level	(m)	Quarterly								
Mar-21	Vanadium	(mg/L)	Quarterly								
Mar-21	Zinc	(mg/L)	Quarterly								

				Samples			,		99 Percentile			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration	(yes/no)	Comments
Mar-21	Aluminium	(mg/L)	Quarterly	Allalyseu	Date Sampleu	value	Janipies	value	Lilling	Lillit	(yes/110)	Comments
Mar-21	Ammonia	(mg/L)	Quarterly									
Mar-21	Arsenic (III)	(mg/L)	Quarterly									
Mar-21	Arsenic (V)	(mg/L)	Quarterly									
Mar-21	Cadmium	(mg/L)	Quarterly									
Mar-21	Chromium (trivalent)	(mg/L)	Quarterly									
Mar-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
Mar-21	Copper	(mg/L)	Quarterly									
Mar-21	Electrical Conductivity	(us/cm)	Quarterly									
Mar-21	Iron	(mg/L)	Quarterly									Next sample due April 2021
Mar-21	Lead	(mg/L)	Quarterly									
Mar-21	Magnesium	(mg/L)	Quarterly									
Mar-21	Manganese	(mg/L)	Quarterly									
Mar-21	Nickel	(mg/L)	Quarterly									
Mar-21	рН	pH	Quarterly									
Mar-21	Potassium	(mg/L)	Quarterly									
Mar-21	Selenium	(mg/L)	Quarterly									·
Mar-21	Sodium	(mg/L)	Quarterly									·
Mar-21	Standing Water Level	(m)	Quarterly									<u> </u>
Mar-21	Vanadium	(mg/L)	Quarterly									
Mar-21	Zinc	(mg/L)	Quarterly									

POINT 34													
				Samples					99 Percentile	100 Percentile			
			Sample/Measurement	Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Mar-21	Aluminium	(mg/L)	Quarterly										
Mar-21	Ammonia	(mg/L)	Quarterly										
Mar-21	Arsenic (III)	(mg/L)	Quarterly										
Mar-21	Arsenic (V)	(mg/L)	Quarterly										
Mar-21	Cadmium	(mg/L)	Quarterly										
Mar-21	Chromium (trivalent)	(mg/L)	Quarterly										
Mar-21	Chromium (VI) Compounds	(mg/L)	Quarterly										
Mar-21	Copper	(mg/L)	Quarterly										
Mar-21	Electrical Conductivity	(us/cm)	Quarterly										
Mar-21	Iron	(mg/L)	Quarterly									Next sample due April 2021	
Mar-21	Lead	(mg/L)	Quarterly										
Mar-21	Magnesium	(mg/L)	Quarterly										
Mar-21	Manganese	(mg/L)	Quarterly										
Mar-21	Nickel	(mg/L)	Quarterly										
Mar-21	рН	pH	Quarterly										
Mar-21	Potassium	(mg/L)	Quarterly										
Mar-21	Selenium	(mg/L)	Quarterly										
Mar-21	Sodium	(mg/L)	Quarterly				•						
Mar-21	Standing Water Level	(m)	Quarterly										
Mar-21	Vanadium	(mg/L)	Quarterly				•					_	
Mar-21	Zinc	(mg/L)	Quarterly				•				·		

GENERAL COMMENTS