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 2020	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



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). POINT 2 99 Percentile 100 Percentile Collected & Unit of Measure **Date Sampled** Month Pollutant Sample/Measurement Frequence Analysed Value Samples Value Limit Limit (yes/no) Comments Dec-20 Cadmium (mg/m3) Every 6 months Sep - Nov 2020 0.004 0.004 0.004 0.2 No Every 6 months Dec-20 Chlorine (mg/m3) Sep - Nov 2020 < 0.046 <0.046 < 0.046 20 Every 6 months Sep - Nov 2020 0.64 0.64 0.64 30 Sep - Nov 2020 Dec-20 Hydrogen chloride (mg/m3) Every 6 months < 0.046 < 0.046 <0.046 50 Dec-20 Mercury (mg/m3) Every 6 months Sep - Nov 2020 0.00067 0.00067 0.00067 0.05 No No Nitrogen Oxides 100% 1100 1500 Dec-20 (mg/m3) Continuous Dec-20 338 529 704 Solid Particles Quarterly Sep - Nov 2020 2.1 2.1 2.1 Dec-20 Sulfur dioxide (mg/m3) Continuous 100% Dec-20 444 583 669 1400 1700 No Dec-20 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months Sep - Nov 2020 11.5 11.5 11.5 100 Sep - Nov 2020 Dec-20 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.028 0.028 0.028 0.75 VOC's as n-propane equivalent (mg/m3) Every 6 months Sep - Nov 2020 <0.18 <0.18 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 Plan	s ("VX837351-	1 AND "VX837351	-2" 03/06/2020 EF	A REFERENCE DO	C20/476695 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-20	Cadmium	(mg/m3)	Every 6 months	1	Sep - Nov 2020	0.0087	0.0087	0.0087		0.2		
Dec-20	Chlorine	(mg/m3)	Every 6 months	1	Sep - Nov 2020	< 0.036	< 0.036	< 0.036		20		
Dec-20	Fluorine	(mg/m3)	Every 6 months	1	Sep - Nov 2020	0.92	0.92	0.92		30		
Dec-20	Hydrogen chloride	(mg/m3)	Every 6 months	1	Sep - Nov 2020	0.12	0.12	0.12		50		
Dec-20	Mercury	(mg/m3)	Every 6 months	1	Sep - Nov 2020	0.00047	0.00047	0.00047		0.05		
Dec-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Dec-20	488	758	902	1100	1500	No	The 99th percentile limit does not apply until 31/1/2021
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	Sep - Nov 2020	20	20	20		50		
Dec-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Dec-20	400	580	678	1400	1700	No	
Dec-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	Sep - Nov 2020	12	12	12		100		-
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	Sep - Nov 2020	0.036	0.036	0.036		0.75		
Dec-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	Sep - Nov 2020	<0.17	<0.17	<0.17		10		

				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-20	Cadmium	(mg/m3)	Every 6 months	1	22/11/20	0.017	0.017	0.017				
Dec-20	Carbon dioxide	(%)	Every 6 months	1	21/9/20	10.1	10.1	10.1				
Dec-20	Chlorine	(mg/m3)	Every 6 months	1	21/9/20	<0.048	<0.048	<0.048				
Dec-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Dec-20	Fluorine	(mg/m3)	Every 6 months	1	22/9/20	0.93	0.93	0.93				
Dec-20	Hydrogen chloride	(mg/m3)	Every 6 months	1	21/9/20	<0.048	<0.048	<0.048				
Dec-20	Mercury	(mg/m3)	Every 6 months	1	22/11/20	0.0011	0.0011	0.0011				
Dec-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Dec-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	22/9/20	1.3	1.3	1.3				
Dec-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	21/9/20	13	13	13				
Dec-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	22/9/20	0.045	0.045	0.045				·
Dec-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	21/9/20	<0.18	<0.18	<0.18				

POINT 5	Boiler number 5 exhaust - duct B marked and shown as EPA ID 5 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-20	Cadmium	(mg/m3)	Every 6 months	1	23/9/20	0.00079	0.00079	0.00079					
Dec-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021	
Dec-20	Mercury	(mg/m3)	Every 6 months	1	23/9/20	0.0009	0.0009	0.0009					
Dec-20	Moisture	(%)	Continuous									Not required until 31 October 2021	
Dec-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021	
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	23/9/20	5.5	5.5	5.5					
Dec-20	Temperature	(°C)	Continuous									Not required until 31 October 2021	
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	23/9/20	0.006	0.006	0.006					

POINT 6	Boiler number 5 exhaust - duct C marked and shown	as EPA ID 6 on The Pla	ans ("VX837351-1 AND "VX837351-	2" 03/06/2020	D EPA REFERENCE I	OC20/476695 AN	D DOC20/47669	5-1).				
				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-20	Cadmium	(mg/m3)	Every 6 months	1	24/9/20	0.00062	0.00062	0.00062				
Dec-20	Carbon dioxide	(%)	Every 6 months	1	24/9/20	11.3	11.3	11.3				
Dec-20	Chlorine	(mg/m3)	Every 6 months	1	24/9/20	< 0.044	< 0.044	< 0.044				
Dec-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Dec-20	Fluorine	(mg/m3)	Every 6 months	1	24/9/20	0.35	0.35	0.35				
Dec-20	Hydrogen chloride	(mg/m3)	Every 6 months	1	24/9/20	< 0.044	< 0.044	< 0.044				
Dec-20	Mercury	(mg/m3)	Every 6 months	1	24/9/20	0.00088	0.00088	0.00088				
Dec-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Dec-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	24/9/20	1.6	1.6	1.6				
Dec-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	24/9/20	10	10	10				
Dec-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	24/9/20	0.048	0.048	0.048				
Dec-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	24/9/20	<0.18	<0.18	<0.18				

POINT 7	Boiler number 5 exhaust - duct D marked and shown	as EPA ID 7 on The Pl	ans ("VX837351-1 AND "VX837351-	2" 03/06/202	DEPA REFERENCE	DOC20/476695 AN	ND DOC20/47669	5-1).				
				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-20	Cadmium	(mg/m3)	Every 6 months	1	28/9/20	0.00026	0.00026	0.00026				
Dec-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Dec-20	Mercury	(mg/m3)	Every 6 months	1	28/9/20	0.00013	0.00013	0.00013				
Dec-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Dec-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	28/9/20	0.94	0.94	0.94				
Dec-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	28/9/20	0.017	0.017	0.017				

POINT 8	Boiler number 6 exhaust - duct A marked and show	n as EPA ID 8 on The P	lans ("VX837351-1 AND "VX837351-	-2" 03/06/202	O EPA REFERENCE	DOC20/476695 AN	ID DOC20/47669	5-1).				
				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-20	Cadmium	(mg/m3)	Every 6 months	1	29/9/20	0.0003	0.0003	0.0003				
Dec-20	Carbon dioxide	(%)	Every 6 months	1	29/9/20	10.6	10.6	10.6				
Dec-20	Chlorine	(mg/m3)	Every 6 months	1	30/9/20	< 0.041	< 0.041	< 0.041				
Dec-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Dec-20	Fluorine	(mg/m3)	Every 6 months	1	30/9/20	0.68	0.68	0.68				
Dec-20	Hydrogen chloride	(mg/m3)	Every 6 months	1	30/9/20	< 0.041	< 0.041	< 0.041				
Dec-20	Mercury	(mg/m3)	Every 6 months	1	29/9/20	0.00084	0.00084	0.00084				
Dec-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Dec-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Dec-20	Solid Particles	(mg/m3)	Quarterly	1	29/9/20	97	97	97				
Dec-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	29/10/20	14	14	14				
Dec-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Dec-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	29/9/20	0.022	0.022	0.022				
Dec-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	30/9/20	<0.16	< 0.16	<0.16				

						DOC20/476695 AN		, -,.				
				Samples					99 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
nth	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
-20	Cadmium	(mg/m3)	Every 6 months	1	1/10/20	0.0036	0.0036	0.0036				
-20	Flow rate	(m3/s)	Continuous		4/40/00	0.0040	0.0040	0.0040				Not required until 31 October 2021
20	Mercury	(mg/m3)	Every 6 months	1	1/10/20	0.0012	0.0012	0.0012				Netin-d mail 24 October 2024
20	Moisture	(%)	Continuous									Not required until 31 October 2021
20	Oxygen (O2) Solid Particles	(%) (mg/m3)	Continuous Quarterly	1	1/10/20	2.9	2.9	2.9				Not required until 31 October 2021
		(mg/m3) (°C)	Continuous	1	1/10/20	2.9	2.9	2.9				N-tidtil 24 O-t-b 2024
20	Temperature Type 1 and Type 2 substances in aggregate	(C) (mg/m3)	Every 6 months	1	1/10/20	0.016	0.016	0.016				Not required until 31 October 2021
-20	Type 1 and Type 2 substances in aggregate	(IIIg/III3)	Every 6 months	1	1/10/20	0.016	0.016	0.016				
IT 10	Boiler number 6 exhaust - duct C marked and show	n as FPA ID 10 on The	Plans ("VX837351-1 AND "VX837351	-2" 03/06/20	20 FDA REFERENCE	DOC20/476695 A	ND DOC20/4766	15_1\				
*** 10	Boiler Hamber o exhaust - duct e marked and show	III da El A ID 10 OII THE	I lalis (VACS7351-1 AIRD VACS7351	Samples	ZO EL A REL ERENCE	DOC207470033 A	14D DOCEO, 4700.)3-1j.	99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
nth	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
-20	Cadmium	(mg/m3)	Every 6 months	1	24/11/20	0.011	0.011	0.011			., ., .,	
20	Carbon dioxide	(%)	Every 6 months	1	23/11/20	12.3	12.3	12.3				
20	Chlorine	(mg/m3)	Every 6 months	1	23/11/20	< 0.033	<0.033	<0.033				
20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
20	Fluorine	(mg/m3)	Every 6 months	1	23/11/20	1.1	1.1	1.1				
-20	Hydrogen chloride	(mg/m3)	Every 6 months	1	23/11/20	0.18	0.18	0.18				
-20	Mercury	(mg/m3)	Every 6 months	1	24/11/20	0.0002	0.0002	0.0002				
20	Moisture	(%)	Continuous									Not required until 31 October 2021
-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
-20	Solid Particles	(mg/m3)	Quarterly	1	24/11/20	3	3	3				·
20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months	1	23/11/20	11	11	11				
20	Temperature	(°C)	Continuous		,,							Not required until 31 October 2021
-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	1	24/11/20	0.02	0.02	0.02				
-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months	1	23/11/20	<0.18	<0.18	<0.18				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected & Analysed	Date Sampled	Value	Samples	Value	Concentration Limit	Concentration Limit	Exceedance (yes/no)	Comments
20	Cadmium	(mg/m3)	Every 6 months		Date Sampled 29/10/20							
-20 -20	Cadmium Flow rate	(mg/m3) (m3/s)	Every 6 months Continuous	Analysed 1	29/10/20	Value 0.014	Samples 0.014	Value 0.014				Comments Not required until 31 October 2021
-20 -20 -20	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months			Value	Samples	Value				Not required until 31 October 2021
-20 -20 -20 -20	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous	Analysed 1	29/10/20	Value 0.014	Samples 0.014	Value 0.014				Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (O2)	(mg/m3) (m3/s) (mg/m3) (%) (%)	Every 6 months Continuous Every 6 months Continuous Continuous	Analysed 1 1	29/10/20 29/10/20	0.014 0.00019	0.014 0.00019	0.014 0.00019				Not required until 31 October 2021
-20 -20 -20 -20 -20 -20	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	Analysed 1	29/10/20	Value 0.014	Samples 0.014	Value 0.014				Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous	Analysed 1 1	29/10/20 29/10/20 29/10/20	0.014 0.00019	0.014 0.00019	0.014 0.00019				Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20	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	Analysed 1 1	29/10/20 29/10/20	0.014 0.00019	0.014 0.00019	0.014 0.00019				Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	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 1 1 1	29/10/20 29/10/20 29/10/20 29/10/20	0.014 0.00019 1.2 0.078	0.014 0.00019 1.2 0.078	0.014 0.00019 0.00019 1.2	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
:-20 :-20 :-20 :-20 :-20 :-20 :-20 :-20	Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Analysed 1 1 1	29/10/20 29/10/20 29/10/20 29/10/20	0.014 0.00019 1.2 0.078	0.014 0.00019 1.2 0.078	0.014 0.00019 0.00019 1.2	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
c-20 c-20 c-20 c-20 c-20 c-20 c-20 c-20	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 1 1 1	29/10/20 29/10/20 29/10/20 29/10/20	0.014 0.00019 1.2 0.078	0.014 0.00019 1.2 0.078	0.014 0.00019 0.00019 1.2	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
:-20 :-20 :-20 :-20 :-20 :-20 :-20 :-20	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	1 1 1 1 ns ("VX83735	29/10/20 29/10/20 29/10/20 29/10/20	0.014 0.00019 1.2 0.078	0.014 0.00019 1.2 0.078	0.014 0.00019 0.00019 1.2	Limit	Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	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	1 1 1 1 sns ("VX83735 Samples	29/10/20 29/10/20 29/10/20 29/10/20	Value 0.014 0.00019 1.2 0.078	0.014 0.00019 1.2 0.078	Value 0.014 0.00019 1.2 0.078	DOC20/476699	Limit	(yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	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 B i	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months	1 1 1 1 s ("VX83735 Samples Collected &	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample	0.014 0.00019 1.2 0.078 EPA REFERENCE D	0.014 0.0019 0.00019 1.2 0.078 0C20/476695 ANI	DOC20/476699	Limit 5-1). 100 Percentile Concentration	(yes/no)	Not required until 31 October 2021
20 20 20 20 20 20 20 20 20 20 20 20 20 2	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) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Analysed 1 1 1 1 1 sometimes ("VX83735) Samples Collected & Analysed	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value	0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples	Value 0.014 0.00019 1.2 0.078 00C20/476695 ANI	DOC20/476699	Limit 5-1). 100 Percentile Concentration	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021
20 20 20 20 20 20 20 20 20 20 20 20 20 2	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 B i	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 Ins ("VX83735 Samples Collected & Analysed 100%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20	0.014 0.0019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259	0.014 0.0019 1.2 0.078 PA REFERENCE D Mean of Samples 470	0.014 0.0019 0.00019 1.2 0.078 0020/476695 ANI Highest Sample Value 684	DOC20/476699	Limit 5-1). 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	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 B i	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Analysed 1 1 1 1 Samples Collected & Analysed 100% 100%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2* 03/06/2020 1 Lowest Sample Value 259 338	0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511	Value 0.014 0.0019 0.00019 1.2 0.078 0.078 0.078 Value 684 610	Limit D DOC20/476699 99 Percentile Concentration Limit	Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (O2) Soxygen (O2) Soxygen (D2) Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B of the combined exhaust - duct A and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Analysed 1 1 1 1 Samples Collected & Analysed 100% 100%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2* 03/06/2020 1 Lowest Sample Value 259 338	0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511	Value 0.014 0.0019 0.00019 1.2 0.078 0.078 0.078 Value 684 610	Limit D DOC20/476699 99 Percentile Concentration Limit	Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (O2) Soxygen (O2) Soxygen (D2) Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B of the combined exhaust - duct A and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Analysed 1 1 1 1 Samples Collected & Analysed 100% 100%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2* 03/06/2020 1 Lowest Sample Value 259 338	0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511	Value 0.014 0.0019 0.00019 1.2 0.078 0.078 0.078 Value 684 610	Limit D DOC20/476699 99 Percentile Concentration Limit	Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (O2) Soxygen (O2) Soxygen (D2) Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B of the combined exhaust - duct A and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	1 1 1 1 1 ss ("VX837355 Samples Collected & Analysed 100% 100%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2* 03/06/2020 1 Lowest Sample Value 259 338	0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511	Value 0.014 0.0019 0.00019 1.2 0.078 0.078 0.078 Value 684 610	DOC20/476695	5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	Cadmium Flow rate Mercury Moisture Oxygen (O2) Soxygen (O2) Soxygen (D2) Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B of the combined exhaust - duct A and	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Analysed 1 1 1 1 1 Semples Collected & Analysed 100% 100% 100% Semples Semples	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 U Lowest Sample Value 259 338 1-2" 03/06/2020 E	0.014 0.00019 1.2 0.078 PA REFERENCE D Mean of Samples 470 511 PA REFERENCE D	Value 0.014 0.0019 0.00019 1.2 0.078	DOC20/476695 99 Percentile Concentration Limit	Limit 5-1). 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) No	Not required until 31 October 2021
-20 -20 -20 -20 -20 -20 -20 -20	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) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3) points 6 and 7) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Analysed 1 1 1 1 1 Samples Collected & Analysed 100% 100% Signification Samples Collected & Coll	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 1-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 1 Lowest Sample 259 338 1-2" 03/06/2020 E Lowest Sample	0.014 0.0019 1.2 0.078 PA REFERENCE D Mean of Samples 470 511 PA REFERENCE D	Value 0.014 0.0019 1.2 0.078 0.020/476695 ANI Highest Sample 684 610 0C20/476695 AND Highest Sample	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration	Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No No Exceedance (yes/no) No No No	Not required until 31 October 2021 Comments
-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	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 i Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D i	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 ss ("VX837355 Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed Analysed Analysed	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Det-20 L-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value	Samples 0.014 0.00019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511 PA REFERENCE D Mean of Samples	Value 0.014 0.0019 1.2 0.078 OC20/476695 ANI Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration	Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No No	Not required until 31 October 2021 Comments
-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	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 B i Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed 99.3%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 Dec-20 Dec-20 Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value 371 505	Samples 0.014 1.2 1.2 1.2 1.2 1.2 1.2 1.4 1.5	Value 0.014 0.0019 1.2 0.078 OC20/476695 ANI Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	5-1). 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
	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 I Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D I Nitrogen Oxides Nitrogen Oxides	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed 99.3%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 Dec-20 Dec-20 Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value 371 505	Samples	Value 0.014 0.0019 1.2 0.078 OC20/476695 ANI Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	5-1). 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
c-20 c-20 c-20 c-20 c-20 c-20 c-20 c-20	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 B i Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed 99.3%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 Dec-20 Dec-20 Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value 371 505	Samples	Value 0.014 0.0019 1.2 0.078 OC20/476695 ANI Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	5-1). 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
c-20 c-20 c-20 c-20 c-20 c-20 c-20 c-20	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 B i Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed 99.3%	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 Dec-20 Dec-20 Dec-20 Dec-20	Value 0.014 0.00019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value 371 505	Samples	Value 0.014 0.0019 1.2 0.078 OC20/476695 ANI Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756	DOC20/476699 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	5-1). 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
-20 -20 -20 -20 -20 -20 -20 -20 -20 -20	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 I Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B I	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) points 6 and 7) marked (mg/m3) points 6 and 7) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	1 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100% 100	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 1-1 AND "VX83735 Date Sampled Dec-20 1-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1.2* 0.078 Lowest Sample Value 259 338 1-2** 03/06/2020 E Usest Sample Value 371 505 1-2** 03/06/2020 E Lowest Sample	Samples 0.014 0.0019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511 PA REFERENCE D Mean of Samples 588 655 PA REFERENCE D Mean of Mean of Samples 588 655 PA REFERENCE D Mean of Me	Value 0.014 0.0019 1.2 0.078 0.078 OC20/476695 AND Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756 OC20/476695 AND Highest Sample	DOC20/476695 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit DOC20/476695	Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Limit 100 Percentile	Exceedance (yes/no) No No No Exceedance (yes/no) No No Exceedance (yes/no) No Exceedance	Not required until 31 October 2021 Comments Comments
-20	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 B i Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Sulfur dioxide	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Analysed 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% Samples Collected & Analysed 99.3% 99.3% 99.3% Samples Samples Samples Samples Samples	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 Dec-20 Dec-20 Dec-20 Dec-20 Dec-20	Value 0.014 0.0019 1.2 0.078 1-2" 03/06/2020 Lowest Sample Value 259 338 1-2" 03/06/2020 E Lowest Sample Value 371 505 1-2" 03/06/2020 E	Samples 0.014 0.0019 1.2 0.078 PA REFERENCE D Mean of Samples 470 511 PA REFERENCE D Mean of Samples 585 685 PA REFERENCE D Mean of Samples	Value 0.014 0.0019 1.2 0.078 0.020/476695 ANI Highest Sample Value 684 610 0C20/476695 AND Highest Sample Value 892 756 0C20/476695 AND Highest Sample Value	DOC20/476695 DOC20/476695 DOC20/476695 DOC20/476695	Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Limit 100 Percentile	Exceedance (yes/no) No No Exceedance (yes/no) No No Exceedance (yes/no) No No Exceedance (yes/no) No	Not required until 31 October 2021 Comments
	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 I Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B I	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (%) (mg/m3) (*C) (mg/m3) points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) points 6 and 7) marked (mg/m3) points 6 and 7) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous I and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	1 1 1 1 1 1 1 1 Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100% 100	29/10/20 29/10/20 29/10/20 29/10/20 29/10/20 1-1 AND "VX83735 Date Sampled Dec-20 1-1 AND "VX83735 Date Sampled Dec-20 1-1 AND "VX83735	Value 0.014 0.00019 1.2 0.078 1.2* 0.078 Lowest Sample Value 259 338 1-2** 03/06/2020 E Usest Sample Value 371 505 1-2** 03/06/2020 E Lowest Sample	Samples 0.014 0.0019 1.2 0.078 EPA REFERENCE D Mean of Samples 470 511 PA REFERENCE D Mean of Samples 588 655 PA REFERENCE D Mean of Mean of Samples 588 655 PA REFERENCE D Mean of Me	Value 0.014 0.0019 1.2 0.078 0.078 OC20/476695 AND Highest Sample Value 684 610 OC20/476695 AND Highest Sample Value 892 756 OC20/476695 AND Highest Sample	DOC20/476695 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit DOC20/476695	Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Concentration	Exceedance (yes/no) No No No Exceedance (yes/no) No No Exceedance (yes/no) No Exceedance	Not required until 31 October 2021 Comments Comments

POINT 15	Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					99 Percentile	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Dec-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Dec-20	555	785	920			No		
Dec-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Dec-20	393	533	620			No		

POINT 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-11.

Dec-20

Dec-20

Vanadium

Zinc

(mg/L)

(mg/L)

Monthly during discharge

Monthly during discharge

		·		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-20	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	10/12/2020	0.06	0.06	0.06		0.2	No	
Dec-20	Copper	(mg/L)	Monthly during discharge	1	10/12/2020	0.009	0.009	0.009		0.005	Yes	EPA notified of non-compliance.
Dec-20	Iron	(mg/L)	Monthly during discharge	1	10/12/2020	0.153	0.153	0.153		0.3	No	
Dec-20	Oil and Grease	Visible	Continuous during discharge	100%	Dec-20	NIL	NIL	NIL				
Dec-20	Selenium	(mg/L)	Monthly during discharge	1	10/12/2020	<0.002	<0.002	< 0.002		0.005	No	
Dec-20	Temperature	(°C)	Continuous during discharge	100%	Dec-20	25.7	30.9	34.1	35	37.5	No	_

POINT 23 Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 23 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). 99 Percentile 100 Percentile Collected & Lowest Sample Mean of **Highest Sample** Concentration Concentration Month Pollutant Unit of Measure Sample/Measurement Frequency Analysed **Date Sampled** Value Samples Value Limit (yes/no) Comments Dec-20 Aluminium (mg/L) Monthly during discharge 10/12/2020 0.044 0.044 0.044 Monthly during discharge Dec-20 Ammonia (mg/L) 10/12/2020 0.16 0.16 0.16 Arsenic (III) < 0.001 < 0.001 Dec-20 (mg/L) Monthly during discharge 10/12/2020 < 0.001 Dec-20 Arsenic (V) (mg/L) Monthly during discharge 10/12/2020 0.0029 0.0029 0.0029 Dec-20 Cadmium (mg/L) Monthly during discharge 10/12/2020 <0.0002 < 0.0002 <0.0002 10/12/2020 < 0.001 Chromium (trivalent) Monthly during discharge < 0.001 < 0.001 Dec-20 (mg/L) Dec-20 Chromium (VI) Compounds (mg/L) Monthly during discharge 10/12/2020 0.004 0.004 0.004 Dec-20 (mg/L) Monthly during discharge 10/12/2020 < 0.001 < 0.001 < 0.001 Copper Dec-20 Iron (mg/L) Monthly during discharge 10/12/2020 0.074 0.074 0.074 < 0.0002 <0.0002 <0.0002 Dec-20 Lead (mg/L) Monthly during discharge 10/12/2020 0.0154 Dec-20 Manganese (mg/L) Monthly during discharge 10/12/2020 0.0154 0.0154 Dec-20 Nickel (mg/L) Monthly during discharge 10/12/2020 <0.0005 <0.0005 < 0.0005 Dec-20 Nitrate + nitrite (oxidised nitrogen) (mg/L) Monthly during discharge 10/12/2020 0.11 0.11 0.11 Monthly during discharge 10/12/2020 <0.5 <0.5 <0.5 Dec-20 Nitrogen (mg/L) Dec-20 рН Monthly during discharge 10/12/2020 8.75 8.75 8.75 6.5 - 9.5 No Monthly during discharge 0.07 Dec-20 Phosphorus (mg/L) 10/12/2020 0.07 0.07 Dec-20 Reactive Phosphorus (mg/L) Monthly during discharge 10/12/2020 0.03 0.03 0.03 0.04 0.04 Monthly during discharge 10/12/2020 0.04 Dec-20 Selenium (mg/L) Dec-20 Total Kjeldahl Nitrogen (mg/L) Monthly during discharge 10/12/2020 <0.5 <0.5 <0.5 Monthly during discharge 10/12/2020 No Dec-20 Total Suspended Solids (mg/L) 50

0.0356

< 0.005

0.0356

< 0.005

10/12/2020

10/12/2020

0.0356

< 0.005

POINT 24													
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile Concentration	Exceedance		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value		Limit	(yes/no)	Comments	
Dec-20	Aluminium	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Ammonia	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Arsenic (III)	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Arsenic (V)	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Cadmium	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Copper	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Iron	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Lead	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Manganese	(mg/L)	Monthly during discharge	1	10/12/2020				No			No discharge from EPA Point 24 during December 2020	
Dec-20	Nickel	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Nitrogen	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	pH	pH	Monthly during discharge	1	10/12/2020				No	6.5 - 9.5			
Dec-20	Phosphorus	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Selenium	(mg/L)	Monthly during discharge	1	10/12/2020				No			_	
Dec-20	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Total Suspended Solids	(mg/L)	Monthly during discharge	1	10/12/2020				No	50			
Dec-20	Vanadium	(mg/L)	Monthly during discharge	1	10/12/2020				No				
Dec-20	Zinc	(mg/L)	Monthly during discharge	1	10/12/2020				No				

POINT 25	Discharge of over boarded water from the ash da	am to Mannering Bay mai	rked and shown as EPA ID 25 on The	e Plans ("VX83	7351-1 AND "VX8	37351-2" 03/06/20	20 EPA REFEREN	ICE DOC20/476695	AND DOC20/47	6695-1).		
Month	Pollutant	Unit of Moscuro	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample	Mean of Samples	Highest Sample Value	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Dec-20	Aluminium	(mg/L)	Daily for any discharge >2 hrs	Allalyseu	Date Sampled	value	Jampies	Value	No	Lilling	(yes/iiu)	Comments
Dec-20	Ammonia		Daily for any discharge >2 hrs						No			
Dec-20	Arsenic (III)	(mg/L)										
		(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Lead	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during December 2020
Dec-20	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	рН	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Dec-20	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Dec-20	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Dec-20	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-20	Aluminium	(mg/L)	Quarterly									
Dec-20	Ammonia	(mg/L)	Quarterly									
Dec-20	Arsenic (III)	(mg/L)	Quarterly									
Dec-20	Arsenic (V)	(mg/L)	Quarterly									
Dec-20	Cadmium	(mg/L)	Quarterly									
Dec-20	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-20	Copper	(mg/L)	Quarterly									
Dec-20	Electrical Conductivity	(us/cm)	Quarterly									
Dec-20	Iron	(mg/L)	Quarterly									Next sample due January 2021
Dec-20	Lead	(mg/L)	Quarterly									
Dec-20	Magnesium	(mg/L)	Quarterly									
Dec-20	Manganese	(mg/L)	Quarterly									
Dec-20	Nickel	(mg/L)	Quarterly									
Dec-20	pH	pН	Quarterly									
Dec-20	Potassium	(mg/L)	Quarterly									
Dec-20	Selenium	(mg/L)	Quarterly									
Dec-20	Sodium	(mg/L)	Quarterly									
Dec-20	Standing Water Level	(m)	Quarterly									
Dec-20	Vanadium	(mg/L)	Quarterly									
Dec-20	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 and shown as EPA ID 31 on The Plans ["VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples						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-20	Aluminium	(mg/L)	Quarterly									
Dec-20	Ammonia	(mg/L)	Quarterly									
Dec-20	Arsenic (III)	(mg/L)	Quarterly									
Dec-20	Arsenic (V)	(mg/L)	Quarterly									
Dec-20	Cadmium	(mg/L)	Quarterly									
Dec-20	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-20	Copper	(mg/L)	Quarterly									
Dec-20	Electrical Conductivity	(us/cm)	Quarterly									
Dec-20	Iron	(mg/L)	Quarterly									Next sample due January 2021
Dec-20	Lead	(mg/L)	Quarterly									
Dec-20	Magnesium	(mg/L)	Quarterly									
Dec-20	Manganese	(mg/L)	Quarterly									
Dec-20	Nickel	(mg/L)	Quarterly									
Dec-20	pH	pH	Quarterly									
Dec-20	Potassium	(mg/L)	Quarterly									
Dec-20	Selenium	(mg/L)	Quarterly									
Dec-20	Sodium	(mg/L)	Quarterly		,							
Dec-20	Standing Water Level	(m)	Quarterly									
Dec-20	Vanadium	(mg/L)	Quarterly		,							
Dec-20	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-20	Aluminium	(mg/L)	Quarterly									
Dec-20	Ammonia	(mg/L)	Quarterly									
Dec-20	Arsenic (III)	(mg/L)	Quarterly									
Dec-20	Arsenic (V)	(mg/L)	Quarterly									
Dec-20	Cadmium	(mg/L)	Quarterly									
Dec-20	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-20	Copper	(mg/L)	Quarterly									
Dec-20	Electrical Conductivity	(us/cm)	Quarterly									
Dec-20	Iron	(mg/L)	Quarterly									Next sample due January 2021
Dec-20	Lead	(mg/L)	Quarterly									
Dec-20	Magnesium	(mg/L)	Quarterly									
Dec-20	Manganese	(mg/L)	Quarterly									
Dec-20	Nickel	(mg/L)	Quarterly									
Dec-20	pH	pH	Quarterly									
Dec-20	Potassium	(mg/L)	Quarterly									
Dec-20	Selenium	(mg/L)	Quarterly									
Dec-20	Sodium	(mg/L)	Quarterly									
Dec-20	Standing Water Level	(m)	Quarterly									
Dec-20	Vanadium	(mg/L)	Quarterly									
Dec-20	Zinc	(mg/L)	Quarterly									

POINT 33 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples			,			100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected &		Lowest Sample Value	Mean of Samples	Highest Sample Value	Limit	Limit	(yes/no)	Comments
Dec-20	Aluminium	(mg/L)	Quarterly	Anaryseu	Date Samplea	Value	Jampies	Value	Lillie	Little	(903/110)	Comments
Dec-20	Ammonia	(mg/L)	Quarterly									
Dec-20	Arsenic (III)	(mg/L)	Quarterly									
Dec-20	Arsenic (V)	(mg/L)	Quarterly									
Dec-20	Cadmium	(mg/L)	Quarterly									
Dec-20	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-20	Copper	(mg/L)	Quarterly									
Dec-20	Electrical Conductivity	(us/cm)	Quarterly									
Dec-20	Iron	(mg/L)	Quarterly									Next sample due January 2021
Dec-20	Lead	(mg/L)	Quarterly									
Dec-20	Magnesium	(mg/L)	Quarterly									
Dec-20	Manganese	(mg/L)	Quarterly									
Dec-20	Nickel	(mg/L)	Quarterly									
Dec-20	pH	pН	Quarterly									
Dec-20	Potassium	(mg/L)	Quarterly									
Dec-20	Selenium	(mg/L)	Quarterly									
Dec-20	Sodium	(mg/L)	Quarterly									
Dec-20	Standing Water Level	(m)	Quarterly									
Dec-20	Vanadium	(mg/L)	Quarterly									
Dec-20	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-20	Aluminium	(mg/L)	Quarterly									
Dec-20	Ammonia	(mg/L)	Quarterly									
Dec-20	Arsenic (III)	(mg/L)	Quarterly									
Dec-20	Arsenic (V)	(mg/L)	Quarterly									
Dec-20	Cadmium	(mg/L)	Quarterly									
Dec-20	Chromium (trivalent)	(mg/L)	Quarterly									
Dec-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Dec-20	Copper	(mg/L)	Quarterly									
Dec-20	Electrical Conductivity	(us/cm)	Quarterly									Next sample due January 2021
Dec-20	Iron	(mg/L)	Quarterly									
Dec-20	Lead	(mg/L)	Quarterly									
Dec-20	Magnesium	(mg/L)	Quarterly									
Dec-20	Manganese	(mg/L)	Quarterly									
Dec-20	Nickel	(mg/L)	Quarterly									
Dec-20	pH	pH	Quarterly									
Dec-20	Potassium	(mg/L)	Quarterly									
Dec-20	Selenium	(mg/L)	Quarterly									
Dec-20	Sodium	(mg/L)	Quarterly									
Dec-20	Standing Water Level	(m)	Quarterly									
Dec-20	Vanadium	(mg/L)	Quarterly									
Dec-20	Zinc	(mg/L)	Quarterly									

GENERAL COMMENTS

The Stack Gas Testing Report for the first round of stack gas testing undertaken during the 2020/21 reporting period was provided by the consultant to Delta on 7 January 2021.