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	August 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 Pollutant Unit of Measure Month Sample/Measurement Frequence Analysed **Date Sampled** Value Samples Value Limit Limit (yes/no) Comments Aug-20 Cadmium (mg/m3) Every 6 months 0.2 Aug-20 Chlorine (mg/m3) Every 6 months 20 Aug-20 Every 6 months 30 (mg/m3) 50 Hydrogen chloride Every 6 months Aug-20 Aug-20 Mercury (mg/m3) Every 6 months 0.05 100% 469 653 1100 1500 No Aug-20 751 Aug-20 Nitrogen Oxides (mg/m3) Continuous Solid Particles Quarterly 50 Sulfur dioxide (mg/m3) Continuous 100% Aug-20 530 622 669 1400 1700 No Aug-20 Aug-20 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months 100 Aug-20 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.75 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 Plan	ıs ("VX837351-	1 AND "VX837351	-2" 03/06/2020 EP	A REFERENCE D	OC20/476695 AND	DOC20/476695-	1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value		100 Percentile Concentration Limit		Comments
Aug-20	Cadmium	(mg/m3)	Every 6 months							0.2		
Aug-20	Chlorine	(mg/m3)	Every 6 months							20		
Aug-20	Fluorine	(mg/m3)	Every 6 months							30		
Aug-20	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Aug-20	Mercury	(mg/m3)	Every 6 months							0.05		
Aug-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Aug-20	521	737	875	1100	1500	No	The 99th percentile limit does not apply until 31/1/2021
Aug-20	Solid Particles	(mg/m3)	Quarterly							50		
Aug-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Aug-20	449	578	656	1400	1700	No	
Aug-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		-
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		_
Aug-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10		

POINT 4	Boiler number 5 exhaust - duct A marked and show	Whas EPA ID 4 on The PI	ans (VX83/351-1 AND VX83/351-	1	U EPA REFERENCE	DUC20/476695 AP	ID DUC20/47669	5-1).		400.0		
				Samples						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample				
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Cadmium	(mg/m3)	Every 6 months									
Aug-20	Carbon dioxide	(%)	Every 6 months									
Aug-20	Chlorine	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Fluorine	(mg/m3)	Every 6 months									
Aug-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									·
Aug-20	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 P	ans ("VX837351-1 AND "VX837351-	-2" 03/06/202	O EPA REFERENCE	DOC20/476695 AN	ID DOC20/47669	5-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Cadmium	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Boiler number 5 exhaust - duct C marked and shown a	as EPA ID 6 on The Pla	ans ("VX837351-1 AND "VX837351-	2" 03/06/202	O EPA REFERENCE I	OC20/476695 AN	ID DOC20/476695	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
Aug-20	Cadmium	(mg/m3)	Every 6 months									
Aug-20	Carbon dioxide	(%)	Every 6 months									
Aug-20	Chlorine	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Fluorine	(mg/m3)	Every 6 months									
Aug-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									_

				Samples Collected &	Lowest Sample	Mean of	Highest Sample		100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Cadmium	(mg/m3)	Every 6 months								
Aug-20	Flow rate	(m3/s)	Continuous								Not required until 31 October 2021
Aug-20	Mercury	(mg/m3)	Every 6 months								
Aug-20	Moisture	(%)	Continuous								Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous								Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly								
Aug-20	Temperature	(°C)	Continuous								Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								

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	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
Aug-20	Cadmium	(mg/m3)	Every 6 months									
Aug-20	Carbon dioxide	(%)	Every 6 months									
Aug-20	Chlorine	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Fluorine	(mg/m3)	Every 6 months									
Aug-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									·

	Boiler number 6 exhaust - duct B marked and shown	as EDA ID O on The D	lane /"\/V0272E1 1 AND "\/V0272E1					- 1\				
POINT 9	Boller number 6 exhaust - duct B marked and shown	as EPA ID 9 on The P	ians (VX83/351-1 AND VX83/351-	Samples	U EPA REFERENCE	DUC20/476695 AN	D DUC20/47669:	5-1).	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
Aug-20	Cadmium	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20 Aug-20	Temperature Type 1 and Type 2 substances in aggregate	(°C) (mg/m3)	Continuous Every 6 months									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months					l				
POINT 10	Boiler number 6 exhaust - duct C marked and shown	as FDA ID 10 on The I	Plane ("VX837351-1 AND "VX837351	-2" 03/06/20	20 EDA REEERENCE	DOC20/476695 A	ND DOC20/47669	15_1\				
TONET 10	Boilet Hamber o exhaust - duct e marked and shown	d3 LI A ID 10 OII THE I	Idiis (VAGS7331-1 AIRD VAGS7331	Samples	ZO EI A REI ERENCE	DOC20/470033 A	140 00020/ 47003)J-1 _j .	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
Aug-20	Cadmium	(mg/m3)	Every 6 months								.,,	
Aug-20	Carbon dioxide	(%)	Every 6 months		<u> </u>							
Aug-20	Chlorine	(mg/m3)	Every 6 months									
Aug-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Aug-20	Fluorine	(mg/m3)	Every 6 months									
Aug-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-20	Mercury	(mg/m3)	Every 6 months									
Aug-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Aug-20	Oxygen (O2)	(%)	Continuous		ļ			ļ				Not required until 31 October 2021
Aug-20	Solid Particles	(mg/m3)	Quarterly									
Aug-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Aug-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
					ZO EI A KEI EKENCI	DUC20/476693 A	ND DOC20/4766	95-1).	l			
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	99 Percentile Concentration	100 Percentile Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples	Date Sampled						Exceedance (yes/no)	Comments
Aug-20	Cadmium	(mg/m3)	Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
Aug-20 Aug-20	Cadmium Flow rate	(mg/m3) (m3/s)	Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments Not required until 31 October 2021
Aug-20 Aug-20 Aug-20	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20	Cadmium Flow rate Mercury Moisture Oxygen (O2)	(mg/m3) (m3/s) (mg/m3) (%) (%)	Every 6 months Continuous Every 6 months Continuous Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-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	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20	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	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-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 Continuous Quarterly Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20	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	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-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	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-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	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit DOC20/476695 99 Percentile	Concentration Limit -1). 100 Percentile	(yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-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 (pr	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) pints 4 and 5) marked	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed ins ("VX83735 Samples Collected &	Date Sampled	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample	Mean of Samples EPA REFERENCE D Mean of	Highest Sample Value OC20/476695 ANI Highest Sample	Concentration Limit D DOC20/476695 99 Percentile Concentration	Concentration Limit -1). 100 Percentile Concentration	(yes/no) Exceedance	Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Mug-20 Mug-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 (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) circl (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	Samples Collected & Analysed Ins ("VX83735 Samples Collected & Analysed	Date Sampled 1-1 AND "VX83735 Date Sampled	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value	Mean of Samples PA REFERENCE D Mean of Samples	Highest Sample Value OC20/476695 AND Highest Sample Value	Concentration Limit DOC20/476695 99 Percentile	Concentration Limit -1). 100 Percentile	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Aug-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 (pr	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) pints 4 and 5) marked Unit of Measure (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	Samples Collected & Analysed	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20	Lowest Sample Value	Mean of Samples EPA REFERENCE D Mean of Samples 641	Highest Sample Value OC20/476695 ANI Highest Sample Value 736	Concentration Limit D DOC20/476695 99 Percentile Concentration	Concentration Limit -1). 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Month	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) circl (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	Samples Collected & Analysed Ins ("VX83735 Samples Collected & Analysed	Date Sampled 1-1 AND "VX83735 Date Sampled	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value	Mean of Samples PA REFERENCE D Mean of Samples	Highest Sample Value OC20/476695 AND Highest Sample Value	Concentration Limit D DOC20/476695 99 Percentile Concentration	Concentration Limit -1). 100 Percentile Concentration	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021
Aug-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 (pu Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) cints 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 and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value 506 481	Mean of Samples PAREFERENCE D Mean of Samples 641 556	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602	Concentration Limit D DOC20/476695 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Aug-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 (pr	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) cints 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 and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value 506 481	Mean of Samples PAREFERENCE D Mean of Samples 641 556	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602	Concentration Limit D DOC20/476695 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Aug-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 (pu Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) cints 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 and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed Analysed Ins ("VX83735" Samples Collected & Analysed 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value 506 481	Mean of Samples PAREFERENCE D Mean of Samples 641 556	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602	Concentration Limit DOC20/476695 DOC20/476695	Concentration Limit -1). 100 Percentile Concentration Limit 1).	Exceedance (yes/no) No	Not required until 31 October 2021
Aug-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 (pu Pollutant Nitrogen Oxides Sulfur dioxide	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) cints 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 and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed Samples Collected & Analysed 100% 100% 100% Samples Samples Samples Samples	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value 506 481 1-2" 03/06/2020 E	Mean of Samples EPA REFERENCE D Mean of Samples 641 556 PA REFERENCE D	Highest Sample Value OC20/476695 AND Highest Sample Value 736 602 OC20/476695 AND	DOC20/476695- 99 Percentile DOC20/476695- 99 Percentile	Concentration Limit -1). 100 Percentile Concentration Limit 10. 100 Percentile	Exceedance (yes/no) No No	Not required until 31 October 2021
Aug-20 POINT 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 (processing the processing of the processing	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) circl (mg/m3) coints 4 and 5) marked Unit of Measure (mg/m3) (mg/m3) coints 6 and 7) 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 Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100% 100% Samples Collected &	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 Aug-20 -1 AND "VX83735	Lowest Sample Value 1-2" 03/06/2020 1 Lowest Sample Value 506 481 1-2" 03/06/2020 E Lowest Sample	Mean of Samples PA REFERENCE D Mean of Samples 641 556 PA REFERENCE D Mean of	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602 OC20/476695 AND Highest Sample	DOC20/476695- 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Concentration Concentration Concentration Concentration Concentration Concentration	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Aug-20 POINT 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 (property of the combined exhaust - duct A and B (property of the combined exhaust - duct A and B (property of the combined exhaust - duct A and B (property of the combined exhaust - duct C and D (property of the c	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) ("C) (mg/m3) ("C) (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 Sample/Measurement Frequency Continuous	Samples Collected & Analysed Ins ("VX837355 Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled	1-2" 03/06/2020 E Lowest Sample Value 506 481 1-2" 03/06/2020 E Lowest Sample Value 506 481	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value	DOC20/476695- 99 Percentile DOC20/476695- 99 Percentile	Concentration Limit -1). 100 Percentile Concentration Limit 10. 100 Percentile	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021
Aug-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 (pu Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (pu Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (*C) (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 Continuous Continuous Continuous Continuous	Samples Collected & Analysed solution of the collected & Analysed 100% 100% 100% Samples Collected & Analysed 100% 100% Analysed 100% 100% 100% Analysed 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20	Lowest Sample Value 1-2" 03/06/2020 Lowest Sample Value 506 481 1-2" 03/06/2020 E Lowest Sample Value 429	Mean of Samples EPA REFERENCE D Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854	DOC20/476695- 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Concentration Concentration Concentration Concentration Concentration Concentration	Exceedance (yes/no) No No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 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 (property of the combined exhaust - duct A and B (property of the combined exhaust - duct A and B (property of the combined exhaust - duct A and B (property of the combined exhaust - duct C and D (property of the c	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) ("C) (mg/m3) ("C) (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 Sample/Measurement Frequency Continuous	Samples Collected & Analysed Ins ("VX837355 Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled	1-2" 03/06/2020 E Lowest Sample Value 506 481 1-2" 03/06/2020 E Lowest Sample Value 506 481	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value	DOC20/476695- 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Concentration Concentration Concentration Concentration Concentration Concentration	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021 Comments
Aug-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 (property of the composition of the c	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (ints 4 and 5) marked Unit of Measure (mg/m3) (ints 6 and 7) marked Unit of Measure (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 and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed Ins ("VX83735 Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 Lowest Sample Value 429 578	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688	Highest Sample Value Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743	DOC20/476695 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Limit Limit	Exceedance (yes/no) No No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 12 Month Aug-20 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (pu Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (pu Pollutant Nitrogen Oxides	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (ints 4 and 5) marked Unit of Measure (mg/m3) (ints 6 and 7) marked Unit of Measure (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 and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed Ins ("VX83735 Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 Lowest Sample Value 429 578	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688	Highest Sample Value Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743	DOC20/476695 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Limit Limit	Exceedance (yes/no) No No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 12 Month Aug-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 (property of the composition of the c	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (ints 4 and 5) marked Unit of Measure (mg/m3) (ints 6 and 7) marked Unit of Measure (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 and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed Ins ("VX83735 Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 Lowest Sample Value 429 578	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688	Highest Sample Value Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743	DOC20/476695 99 Percentile Concentration Limit DOC20/476695 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Limit Limit	Exceedance (yes/no) No No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 12 Month Aug-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 (property of the composition of the c	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (ints 4 and 5) marked Unit of Measure (mg/m3) (ints 6 and 7) marked Unit of Measure (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 and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100% 100% 100% Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100%	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 Lowest Sample Value 429 578	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688	Highest Sample Value Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743	D DOC20/476695- DDOC20/476695- DDOC20/476695- DDOC20/476695- DDOC20/476695- DDOC20/476695-	-1). 100 Percentile Concentration Limit 11). 100 Percentile Concentration Limit 11).	Exceedance (yes/no) No No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 12 Month Aug-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 (property of the composition of the c	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) ("C) (mg/m3) (ints 4 and 5) marked Unit of Measure (mg/m3) (ints 6 and 7) marked Unit of Measure (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 and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed Ins ("VX83735" Samples Collected & Analysed 100% Samples Collected & Analysed 100% Samples	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 Lowest Sample Value 429 578 1-2" 03/06/2020 E	Mean of Samples Mean of Samples Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688	Highest Sample Value Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743 OC20/476695 AND	DOC20/476695- 99 Percentile Concentration Limit DOC20/476695- 99 Percentile Concentration Limit DOC20/476695- 99 Percentile	-1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Limit 1). 100 Percentile Concentration Limit	Exceedance (yes/no) No No No No No No No	Not required until 31 October 2021 Comments
Aug-20 POINT 12 Month Aug-20 Aug-20 Aug-20 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (property of the combined exhaust - duct C and D (property of the c	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) cints 4 and 5) marked Unit of Measure (mg/m3) (mg/m3) cints 6 and 7) marked Unit of Measure (mg/m3) cints 6 and 7) 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 Continuous Continuous Continuous Continuous Land shown as EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Land shown as EPA ID 14 on The Pla	Samples Collected & Analysed Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100% Samples Collected & Analysed 100% 100% 100% 100% 100% Collected & C	Date Sampled 1-1 AND "VX83735 Date Sampled Aug-20 -1 AND "VX83735 Date Sampled Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20 Aug-20	Lowest Sample Value 1-2" 03/06/2020 E Lowest Sample Value 506 481 1-2" 03/06/2020 E Lowest Sample 429 578 1-2" 03/06/2020 E Lowest Sample	Mean of Samples PA REFERENCE D Mean of Samples 641 556 PA REFERENCE D Mean of Samples 665 688 PA REFERENCE D	Highest Sample Value OC20/476695 ANI Highest Sample Value 736 602 OC20/476695 AND Highest Sample Value 854 743 OC20/476695 AND Highest Sample	DOC20/476695- 99 Percentile Concentration Limit DOC20/476695- 99 Percentile Concentration Limit DOC20/476695- 99 Percentile Concentration Limit	-1). 100 Percentile Concentration Limit 11). 100 Percentile Concentration Limit 11). 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance	Not required until 31 October 2021 Comments Comments

POINT 15	Boiler number 6 combined exhaust - duct C and D (po	ints 10 and 11) mark	ed and shownas EPA ID 12 on The P	lans ("VX8373	51-1 AND "VX8373	351-2" 03/06/202	O EPA REFERENCE	DOC20/476695 AN	ND DOC20/47669	95-1).		
				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
Aug-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Aug-20	579	793	934			No	_
Aug-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Aug-20	396	573	668			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.

Monthly during discharge

(mg/L)

Aug-20

Zinc

		,		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
Aug-20	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	6/8/2020	0.12	0.12	0.12		0.2	No	
Aug-20	Copper	(mg/L)	Monthly during discharge	1	6/8/2020	0.002	0.002	0.002		0.005	No	
Aug-20	Iron	(mg/L)	Monthly during discharge	1	6/8/2020	0.1	0.1	0.1		0.3	No	
Aug-20	Oil and Grease	Visible	Continuous during discharge	100%	Aug-20	NIL	NIL	NIL				
Aug-20	Selenium	(mg/L)	Monthly during discharge	1	6/8/2020	0.002	0.002	0.002		0.005	No	
Aug-20	Temperature	(°C)	Continuous during discharge	99.82%	Aug-20	18.8	24.3	29.2	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 Exceedance Month Pollutant Unit of Measure Sample/Measurement Frequency Analysed **Date Sampled** Value Samples Value (yes/no) Aug-20 Aluminium (mg/L) Monthly during discharge 6/8/2020 0.055 0.055 0.055 Monthly during discharge Aug-20 Ammonia (mg/L) 6/8/2020 0.10 0.10 0.10 Arsenic (III) 6/8/2020 0.002 0.002 0.002 Aug-20 (mg/L) Monthly during discharge Aug-20 Arsenic (V) (mg/L) Monthly during discharge 6/8/2020 0.0056 0.0056 0.0056 Aug-20 Cadmium (mg/L) Monthly during discharge 6/8/2020 < 0.0002 < 0.0002 <0.0002 < 0.001 Aug-20 Chromium (trivalent) Monthly during discharge 6/8/2020 < 0.001 < 0.001 (mg/L) 0.007 0.007 Aug-20 Chromium (VI) Compounds (mg/L) Monthly during discharge 6/8/2020 0.007 Aug-20 (mg/L) Monthly during discharge 6/8/2020 0.002 0.002 0.002 Copper Aug-20 Iron (mg/L) Monthly during discharge 6/8/2020 0.086 0.086 0.086 6/8/2020 < 0.0002 <0.0002 Lead (mg/L) Monthly during discharge < 0.0002 Aug-20 0.0322 Aug-20 Manganese (mg/L) Monthly during discharge 6/8/2020 0.0322 0.0322 0.0009 Aug-20 Nickel (mg/L) Monthly during discharge 6/8/2020 0.0009 0.0009 Aug-20 Nitrate + nitrite (oxidised nitrogen) (mg/L) Monthly during discharge 6/8/2020 0.04 0.04 0.04 Monthly during discharge 6/8/2020 <0.5 <0.5 <0.5 Aug-20 Nitrogen (mg/L) Aug-20 рН Monthly during discharge 6/8/2020 9.21 9.21 9.21 6.5 - 9.5 No Monthly during discharge Aug-20 Phosphorus (mg/L) 6/8/2020 0.2 0.2 0.2 Aug-20 Reactive Phosphorus (mg/L) Monthly during discharge 6/8/2020 0.04 0.04 0.04 0.032 0.032 0.032 Monthly during discharge 6/8/2020 Aug-20 Selenium (mg/L) Aug-20 Total Kjeldahl Nitrogen (mg/L) Monthly during discharge 6/8/2020 <0.5 <0.5 <0.5 Monthly during discharge 6/8/2020 No Aug-20 Total Suspended Solids (mg/L) 50 0.0232 Aug-20 Vanadium (mg/L) Monthly during discharge 6/8/2020 0.0232 0.0232

0.006

0.006

0.006

6/8/2020

POINT 24	Discharge of seepage water from the ash dam rehalt	oilitation area to Manı	nering Bay marked and shown as EP	A ID 24 on The	e Plans ("VX83735	1-1 AND "VX83735	1-2" 03/06/2020	D EPA REFERENCE D	OC20/476695 A	ND DOC20/4766	95-1).	
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/110)	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Ammonia	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Arsenic (III)	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Arsenic (V)	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Cadmium	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Copper	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Iron	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Lead	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Manganese	(mg/L)	Monthly during discharge	1	6/8/2020				No			No discharge from EPA Point 24 during August 2020
Aug-20	Nickel	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Nitrogen	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	pH	pH	Monthly during discharge	1	6/8/2020				No	6.5 - 9.5		
Aug-20	Phosphorus	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Selenium	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Total Suspended Solids	(mg/L)	Monthly during discharge	1	6/8/2020				No	50		_
Aug-20	Vanadium	(mg/L)	Monthly during discharge	1	6/8/2020				No			
Aug-20	Zinc	(mg/L)	Monthly during discharge	1	6/8/2020				No			·

POINT 25	Discharge of over boarded water from the ash dam	n to Mannering Bay mar	ked and shown as EPA ID 25 on The	e Plans ("VX83	7351-1 AND "VX83	37351-2" 03/06/20	20 EPA REFEREN	CE DOC20/476695	AND DOC20/47	6695-1).		
				Samples					Discharge	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/110)	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.09	0.86	2.51	Yes			
Aug-20	Ammonia	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.03	0.13	0.20	Yes			
Aug-20	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	<0.0005	0.003	0.005	Yes			
Aug-20	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.0005	0.004	0.006	Yes			
Aug-20	Cadmium	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	<0.00005	0.00014	0.00025	Yes			
Aug-20	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.001	0.002	0.003	Yes			
Aug-20	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	<0.005	0.005	0.006	Yes			
Aug-20	Copper	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.001	0.0015	0.0026	Yes			
Aug-20	Iron	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.09	1.06	2.49	Yes			
Aug-20	Lead	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.0001	0.0009	0.0024	Yes			
Aug-20	Manganese	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.05	0.07	0.14	Yes			
Aug-20	Nickel	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.0006	0.0013	0.0025	Yes			
Aug-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.02	0.04	0.06	Yes			
Aug-20	Nitrogen	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	<0.5	0.67	1.60	Yes			
Aug-20	рН	pН	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	6.87	8.00	8.57	Yes	6.5 - 9.5	No	
Aug-20	Phosphorus	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.02	0.10	0.16	Yes			
Aug-20	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.01	0.05	0.10	Yes			
Aug-20	Selenium	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.0002	0.02	0.03	Yes			_
Aug-20	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	<0.5	0.65	1.50	Yes			
Aug-20	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	2	21	77	Yes	50	Yes	*see comments at the end of this report.
Aug-20	Vanadium	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	0.004	0.016	0.026	Yes			
Aug-20	Zinc	(mg/L)	Daily for any discharge >2 hrs	6	Aug 7 - Aug 12	< 0.005	0.016	0.032	Yes			

POINT 30	Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				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	
Aug-20	Aluminium	(mg/L)	Quarterly										
Aug-20	Ammonia	(mg/L)	Quarterly										
Aug-20	Arsenic (III)	(mg/L)	Quarterly										
Aug-20	Arsenic (V)	(mg/L)	Quarterly										
Aug-20	Cadmium	(mg/L)	Quarterly										
Aug-20	Chromium (trivalent)	(mg/L)	Quarterly										
Aug-20	Chromium (VI) Compounds	(mg/L)	Quarterly										
Aug-20	Copper	(mg/L)	Quarterly										
Aug-20	Electrical Conductivity	(us/cm)	Quarterly										
Aug-20	Iron	(mg/L)	Quarterly									(next quarterly sample scheduled for October 2020)	
Aug-20	Lead	(mg/L)	Quarterly										
Aug-20	Magnesium	(mg/L)	Quarterly										
Aug-20	Manganese	(mg/L)	Quarterly										
Aug-20	Nickel	(mg/L)	Quarterly										
Aug-20	pH	pН	Quarterly										
Aug-20	Potassium	(mg/L)	Quarterly										
Aug-20	Selenium	(mg/L)	Quarterly										
Aug-20	Sodium	(mg/L)	Quarterly										
Aug-20	Standing Water Level	(m)	Quarterly										
Aug-20	Vanadium	(mg/L)	Quarterly										
Aug-20	Zinc	(mg/L)	Quarterly										

POINT 31	Groundwater quality monitoring bore marked a	nd shown as EPA ID 31 on The Plans ("VX837351-1 A	AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).	

POINT 31	Groundwater quality monitoring bore marked and sh	OWN as EPA ID 31 ON	The Plans (VX83/351-1 AND VX8	3/351-2 03/0	6/2020 EPA REFER	ENCE DUCZU/4/6	95 AND DUCZU/	4/6695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Quarterly									
Aug-20	Ammonia	(mg/L)	Quarterly									
Aug-20	Arsenic (III)	(mg/L)	Quarterly									
Aug-20	Arsenic (V)	(mg/L)	Quarterly									
Aug-20	Cadmium	(mg/L)	Quarterly									
Aug-20	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-20	Copper	(mg/L)	Quarterly									
Aug-20	Electrical Conductivity	(us/cm)	Quarterly									
Aug-20	Iron	(mg/L)	Quarterly									
Aug-20	Lead	(mg/L)	Quarterly									(next quarterly sample scheduled for October 2020)
Aug-20	Magnesium	(mg/L)	Quarterly									
Aug-20	Manganese	(mg/L)	Quarterly									
Aug-20	Nickel	(mg/L)	Quarterly									
Aug-20	pH	pH	Quarterly									
Aug-20	Potassium	(mg/L)	Quarterly									
Aug-20	Selenium	(mg/L)	Quarterly									
Aug-20	Sodium	(mg/L)	Quarterly									
Aug-20	Standing Water Level	(m)	Quarterly				•					_
Aug-20	Vanadium	(mg/L)	Quarterly									
Aug-20	Zinc	(mg/L)	Quarterly				•					_

POINT 32	Groundwater quality monitoring bore marked and she	own as EPA ID 32 on	The Plans ("VX837351-1 AND "VX83	37351-2" 03/0	6/2020 EPA REFER	ENCE DOC20/4766	95 AND DOC20/	476695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Quarterly									
Aug-20	Ammonia	(mg/L)	Quarterly									
Aug-20	Arsenic (III)	(mg/L)	Quarterly									
Aug-20	Arsenic (V)	(mg/L)	Quarterly									
Aug-20	Cadmium	(mg/L)	Quarterly									
Aug-20	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-20	Copper	(mg/L)	Quarterly									
Aug-20	Electrical Conductivity	(us/cm)	Quarterly									
Aug-20	Iron	(mg/L)	Quarterly									
Aug-20	Lead	(mg/L)	Quarterly									(next quarterly sample scheduled for October 2020)
Aug-20	Magnesium	(mg/L)	Quarterly									
Aug-20	Manganese	(mg/L)	Quarterly									
Aug-20	Nickel	(mg/L)	Quarterly									
Aug-20	pH	pН	Quarterly									
Aug-20	Potassium	(mg/L)	Quarterly									
Aug-20	Selenium	(mg/L)	Quarterly									
Aug-20	Sodium	(mg/L)	Quarterly									
Aug-20	Standing Water Level	(m)	Quarterly									
Aug-20	Vanadium	(mg/L)	Quarterly									
Aug-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).
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				Samples						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Quarterly									
Aug-20	Ammonia	(mg/L)	Quarterly									
Aug-20	Arsenic (III)	(mg/L)	Quarterly									
Aug-20	Arsenic (V)	(mg/L)	Quarterly									
Aug-20	Cadmium	(mg/L)	Quarterly									
Aug-20	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-20	Copper	(mg/L)	Quarterly									
Aug-20	Electrical Conductivity	(us/cm)	Quarterly									
Aug-20	Iron	(mg/L)	Quarterly									
Aug-20	Lead	(mg/L)	Quarterly									(next quarterly sample scheduled for October 2020)
Aug-20	Magnesium	(mg/L)	Quarterly									
Aug-20	Manganese	(mg/L)	Quarterly									
Aug-20	Nickel	(mg/L)	Quarterly									
Aug-20	рН	pH	Quarterly									
Aug-20	Potassium	(mg/L)	Quarterly									
Aug-20	Selenium	(mg/L)	Quarterly									_
Aug-20	Sodium	(mg/L)	Quarterly									
Aug-20	Standing Water Level	(m)	Quarterly									_
Aug-20	Vanadium	(mg/L)	Quarterly									
Aug-20	Zinc	(mg/L)	Quarterly									

POINT 34	Groundwater quality monitoring bore marked and s	hown as EPA ID 33 on	The Plans ("VX837351-1 AND "VX8	37351-2" 03/0	06/2020 EPA REFE	RENCE DOC20/4766	95 AND DOC20/	476695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-20	Aluminium	(mg/L)	Quarterly									
Aug-20	Ammonia	(mg/L)	Quarterly									
Aug-20	Arsenic (III)	(mg/L)	Quarterly									
Aug-20	Arsenic (V)	(mg/L)	Quarterly									
Aug-20	Cadmium	(mg/L)	Quarterly									
Aug-20	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-20	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-20	Copper	(mg/L)	Quarterly									
Aug-20	Electrical Conductivity	(us/cm)	Quarterly									
Aug-20	Iron	(mg/L)	Quarterly									(next quarterly sample scheduled for October 2020)
Aug-20	Lead	(mg/L)	Quarterly									
Aug-20	Magnesium	(mg/L)	Quarterly									
Aug-20	Manganese	(mg/L)	Quarterly									
Aug-20	Nickel	(mg/L)	Quarterly									
Aug-20	рН	pН	Quarterly									
Aug-20	Potassium	(mg/L)	Quarterly									
Aug-20	Selenium	(mg/L)	Quarterly									
Aug-20	Sodium	(mg/L)	Quarterly									
Aug-20	Standing Water Level	(m)	Quarterly									
Aug-20	Vanadium	(mg/L)	Quarterly									_
Aug-20	Zinc	(mg/L)	Quarterly									

GENERAL COMMENTS

The EPA issued a new version of the Vales Point Power Station Environment Protection Licence on 23 July 2020. The new licence includes some additional analytes, changes to some sampling frequencies and changed sampling point ID's.
11 August 2020 returned a TSS result of 77mg/L. TSS upstream of the discharge point in Wyee Creek was also >50mg/L at the time of sampling.

*Analysis of a water sample taken at EPA 25 on