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	January 2021	
ADDRESS	VALES ROAD, MANNERING PARK NSW	

(mg/m3)

(mg/m3)

Every 6 months

Every 6 months

Type 1 and Type 2 substances in aggregate

VOC's as n-propane equivalent

Jan-21



0.75

10

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 Unit of Measure Month Pollutant Sample/Measurement Frequency Analysed Date Sampled Value Value Limit Limit (yes/no) Jan-21 Cadmium (mg/m3) Every 6 months 0.2 No Jan-21 Chlorine (mg/m3) Every 6 months 20 Jan-21 (mg/m3) Every 6 months 30 lan-21 Every 6 months 50 Hydrogen chloride (mg/m3) Jan-21 Mercury (mg/m3) Every 6 months 0.05 No 100% 503 815 1100 1500 No Jan-21 Nitrogen Oxides (mg/m3) Continuous Jan-21 335 Solid Particles (mg/m3) Sulfur dioxide 100% Jan-21 276 589 678 1400 1700 No Jan-21 (mg/m3) Continuous Jan-21 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months 100

Combined air emissions from boiler 6 via Points 8 to 11 to Point 1 marked and shown as EPA ID 3 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). POINT 3 Collected 8 Lowest Sample Concentration Exceedance Unit of Measure Sample/Measurement Frequence Analysed **Date Sample** Jan-21 Cadmium (mg/m3) Every 6 months 0.2 Jan-21 Chlorine (mg/m3) Every 6 months 20 Every 6 months Jan-21 Fluorine (mg/m3) 30 Jan-21 Hydrogen chloride (mg/m3) Every 6 months 50 Jan-21 Mercury (mg/m3) Every 6 months 0.05 Jan-21 Nitrogen Oxides (mg/m3) Continuous 100% Jan-21 231 707 934 1100 1500 No Jan-21 Solid Particles (mg/m3) Quarterly 50 Jan-21 Sulfur dioxide (mg/m3) 100% Jan-21 321 594 697 1400 1700 Jan-21 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months 100 Jan-21 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.75 Every 6 months Jan-21 VOC's as n-propane equivalent (mg/m3) 10

POINT 4	Boiler number 5 exhaust - duct A marked and sho	wn as EPA ID 4 on The I	lans ("VX837351-1 AND "VX837351	1-2" 03/06/20	20 EPA REFERENCE	DOC20/476695 AI	ND DOC20/4766	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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Carbon dioxide	(%)	Every 6 months									
Jan-21	Chlorine	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Fluorine	(mg/m3)	Every 6 months									
Jan-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									·
Jan-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jan-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jan-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 5	Boiler number 5 exhaust - duct B marked and shown	n as EPA ID 5 on The P	lans ("VX837351-1 AND "VX837351	-2" 03/06/202	20 EPA REFERENCE	DOC20/476695 A	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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									
Jan-21	Temperature	(°C)	Continuous				·					Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Boiler number 5 exhaust - duct C marked and shown	as EPA ID 6 on The P	Plans ("VX837351-1 AND "VX837351	2" 03/06/202	0 EPA REFERENCE	DOC20/476695 At	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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Carbon dioxide	(%)	Every 6 months									
Jan-21	Chlorine	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Fluorine	(mg/m3)	Every 6 months									
Jan-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									
Jan-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jan-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jan-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									·

POINT 7	Boiler number 5 exhaust - duct D marked and sho	WIT US ET A 10 7 OII THE I	Idiis (VACS7351-1 AIRD VACS7351	Samples						100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected & Analysed		Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration	Concentration	(yes/no)	Comments
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									
Jan-21	Temperature	(°C)	Continuous				•					Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months		_							

POINT 8	Boiler number 6 exhaust - duct A marked and sho	wn as EPA ID 8 on The F	Plans ("VX837351-1 AND "VX837351	-2" 03/06/20	20 EPA REFERENCE	DOC20/476695 AI	ND DOC20/4766	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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Carbon dioxide	(%)	Every 6 months									
Jan-21	Chlorine	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Fluorine	(mg/m3)	Every 6 months									
Jan-21	Hydrogen chloride	(mg/m3)	Every 6 months									
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									·
Jan-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jan-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									·
Jan-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 9	Boiler number 6 exhaust - duct B marked and shown	FDA ID 0 Th - D	N (III) (VOCETORA A AND III) (VOCETORA	311 03/06/30	O FOA DEFEDENCE	DOC20/47660F A	UD DOC20/4766	OF 4\				
POINT 9	Boiler number 6 exhaust - duct B marked and snown	as EPA ID 9 on The P	rians (VX83/351-1 AND VX83/351	Samples	O EPA REFERENCE	DUC20/476695 AI	ND DUC20/4/665	95-1).	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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Jan-21	Mercury	(mg/m3)	Every 6 months									
Jan-21	Moisture	(%)	Continuous					-				Not required until 31 October 2021
Jan-21 Jan-21	Oxygen (O2) Solid Particles	(%) (mg/m3)	Continuous Quarterly					-				Not required until 31 October 2021
Jan-21	Temperature	(°C)	Continuous					1				Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									Not required dritti 31 October 2021
3011 22	Type I and Type I substances in aggregate	(6/3)	Every o monens		ı			1	ı			
POINT 10	Boiler number 6 exhaust - duct C marked and shown	as EPA ID 10 on The	Plans ("VX837351-1 AND "VX83735	1-2" 03/06/20	20 EPA REFERENC	E DOC20/476695 A	ND DOC20/4766	695-1).				
				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
Jan-21	Cadmium	(mg/m3)	Every 6 months									
Jan-21	Carbon dioxide	(%)	Every 6 months					 				
Jan-21	Chlorine	(mg/m3)	Every 6 months					 				Net remind and the Control of the Control
Jan-21	Flow rate Fluorine	(m3/s)	Continuous Fuggi 6 months		-			1				Not required until 31 October 2021
Jan-21 Jan-21	Hydrogen chloride	(mg/m3) (mg/m3)	Every 6 months Every 6 months					1				
Jan-21 Jan-21	Mercury	(mg/m3) (mg/m3)	Every 6 months					 				
Jan-21	Moisture	(%)	Continuous									Not required until 31 October 2021
Jan-21	Oxygen (O2)	(%)	Continuous					1				Not required until 31 October 2021
Jan-21	Solid Particles	(mg/m3)	Quarterly									•
Jan-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Jan-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
Jan-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Jan-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
POINT 11	Boiler number 6 exhaust - duct D marked and shows	n as EPA ID 11 on The	Plans ("VX837351-1 AND "VX83735		020 EPA REFERENC	E DOC20/476695 /	AND DOC20/476	695-1).				
				Samples					99 Percentile	100 Percentile		
8.04.1-	Dallistand	Huit of Manager	C	Collected &	Date Consulad	Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	Samuel Land
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value			Exceedance (yes/no)	Comments
Jan-21	Cadmium	(mg/m3)	Every 6 months	Collected &	Date Sampled				Concentration	Concentration		
Jan-21 Jan-21	Cadmium Flow rate	(mg/m3) (m3/s)	Every 6 months Continuous	Collected &	Date Sampled				Concentration	Concentration		Comments Not required until 31 October 2021
Jan-21	Cadmium	(mg/m3)	Every 6 months	Collected &	Date Sampled				Concentration	Concentration		
Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture	(mg/m3) (m3/s) (mg/m3) (%)	Every 6 months Continuous Every 6 months	Collected &	Date Sampled				Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury	(mg/m3) (m3/s) (mg/m3)	Every 6 months Continuous Every 6 months Continuous	Collected &	Date Sampled				Concentration	Concentration		Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Sylid Particles Temperature	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous	Collected &	Date Sampled				Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Collected &	Date Sampled				Concentration	Concentration		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (02) 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	Collected & Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Sylid 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	Collected & Analysed		Value	Samples	Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (02) 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	Collected & Analysed Analysed ans ("VX83735		Value	Samples	Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (02) 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	Collected & Analysed Analysed ans ("VX8373: Samples		Value	Samples EPA REFERENCE	Value DOC20/476695 AN	Concentration Limit D DOC20/47669 99 Percentile	Concentration Limit 55-1).	(yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rC) (mg/m3) (rC) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pi	Collected & Analysed Analysed ans ("VX83735 Samples Collected &	51-1 AND "VX8373	Value 51-2" 03/06/2020 Lowest Sample	Samples EPA REFERENCE Mean of	Value DOC20/476695 AN Highest Sample	Concentration Limit D DOC20/47669 99 Percentile Concentration	Concentration Limit 5-1). 100 Percentile Concentration	(yes/no)	Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen (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) coints 4 and 5) market	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Plants Sample/Measurement Frequency	Collected & Analysed ans ("VX8373: Samples Collected & Analysed	51-1 AND "VX8373! Date Sampled	Value 51-2" 03/06/2020 Lowest Sample Value	Samples EPA REFERENCE Mean of Samples	Value DOC20/476695 AN Highest Sample Value	Concentration Limit D DOC20/47669 99 Percentile	Concentration Limit 55-1).	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-22 Month Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3) ooints 4 and 5) marker Unit of Measure (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Plants Sample/Measurement Frequency Continuous	Collected & Analysed ans ("VX8373: Samples Collected & Analysed 99.32%	Date Sampled Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222	EPA REFERENCE Mean of Samples 436	DOC20/476695 AN Highest Sample Value 812	Concentration Limit D DOC20/47669 99 Percentile Concentration	Concentration Limit 5-1). 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen (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) coints 4 and 5) market	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Plants Sample/Measurement Frequency	Collected & Analysed ans ("VX8373: Samples Collected & Analysed	51-1 AND "VX8373! Date Sampled	Value 51-2" 03/06/2020 Lowest Sample Value	Samples EPA REFERENCE Mean of Samples	Value DOC20/476695 AN Highest Sample Value	Concentration Limit D DOC20/47669 99 Percentile Concentration	Concentration Limit 5-1). 100 Percentile Concentration	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021
Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-22 Month Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) coints 4 and 5) marker Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pic Sample/Measurement Frequency Continuous Continuous Continuous	ans ("VX8373: Samples Analysed Analysed Analysed 99.32% 100%	Date Sampled Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335	EPA REFERENCE Mean of Samples 436 510	Value DOC20/476695 AN Highest Sample Value 812 626	Concentration Limit D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 15-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen 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) coints 4 and 5) marker Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pic Sample/Measurement Frequency Continuous Continuous Continuous	ans ("VX8373: Samples Analysed Analysed Analysed 99.32% 100%	Date Sampled Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335	EPA REFERENCE Mean of Samples 436 510	Value DOC20/476695 AN Highest Sample Value 812 626	Concentration Limit D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 15-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen 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) coints 4 and 5) marker Unit of Measure (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pic Sample/Measurement Frequency Continuous Continuous Continuous	ans ("VX83735" Samples Samples	Date Sampled Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335	EPA REFERENCE Mean of Samples 436 510	Value DOC20/476695 AN Highest Sample Value 812 626	Concentration Limit D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 15-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen 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) coints 4 and 5) marker (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pic Sample/Measurement Frequency Continuous Continuous Continuous	Collected & Analysed Analysed Samples Collected & Analysed 100% COLLECTED & Analysed 100% COLLECTED & COLLEC	Date Sampled Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335	EPA REFERENCE Mean of Samples 436 510	Value DOC20/476695 AN Highest Sample Value 812 626	D DOC20/47669	Concentration Limit 105-1). 100 Percentile Concentration Limit 5-1).	Exceedance (yes/no) No	Not required until 31 October 2021
Jan-21 POINT 12 Month Jan-21 Jan-21 Month 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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (rc) (mg/m3) (oints 4 and 5) marker Unit of Measure Unit of Measure Unit of Measure	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Collected & Analysed Analysed Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled Jan-21 Jan-21 Jan-21 Date Sampled Date Sampled	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value	EPA REFERENCE Mean of Samples 436 510 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value	D DOC20/476699 99 Percentile Concentration Limit	Concentration Limit 15-1). 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) No No (yes/no)	Not required until 31 October 2021
Jan-21 POINT 12 Month Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (oints 6 and 7) marked (mg/m3) (oints 6 and 7) marked	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Plants Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	ans ("VX83735" Samples Collected & Analysed 99.32% 100% Samples Collected & Analysed 100%	Date Sampled Jan-21 1-1 AND "VX83733 Date Sampled Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329	EPA REFERENCE Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 571	DOC20/476695 AN Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839	D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21 Jan-21 Month Month 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 Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) (rc) (mg/m3) (oints 4 and 5) marker Unit of Measure Unit of Measure Unit of Measure	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Collected & Analysed Analysed Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled Jan-21 Jan-21 Jan-21 Date Sampled Date Sampled	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value	EPA REFERENCE Mean of Samples 436 510 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value	D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No No (yes/no)	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) ooints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Collected & Analysed Analysed Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100%	Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530	Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 476 571 676	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile Concentration Limit Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) ooints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Collected & Analysed Analysed Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100%	Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530	Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 476 571 676	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile Concentration Limit Limit	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (rc) (mg/m3) (oints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	ans ("VX83735" Samples Collected & Analysed 99.32% 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530	Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 476 571 676	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780	D DOC20/476699 D DOC20/476699 D DOC20/476699 D DOC20/476699	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 5-1).	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p	(mg/m3) (m3/s) (m3/s) (%) (%) (%) (%) (rc) (mg/m3) (rc) (mg/m3) (oints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Collected & Analysed Analysed Samples Collected & Analysed 99.32% 100% IOW Samples Collected & Analysed 100% 100% 100% 100% 100% Samples Collected & Analysed 100% 100% Samples Collected & Analysed 100% 100% Samples Samples Samples	Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 1-2" 03/06/2020 Lowest Sample	Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 476 571 676 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780 DOC20/476695 ANI	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No No No	Not required until 31 October 2021 Comments
Jan-21 POINT 12 Month Jan-21 Jan-21 Jan-21 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (rC) (mg/m3) (roints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (oints 6 and 7) marker (mg/m3) (oints 6 and 9) marker	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous d and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous d and shownas EPA ID 13 on The Pla Continuous Continuous Continuous Continuous Continuous	collected & Analysed ans ("VX83735 Samples Collected & Analysed 99.32% 100% Samples Collected & Analysed 100% 100% 100% Samples Collected & Collecte	Date Sampled Jan-21 1-1 AND "VX83733 Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530 1-2" 03/06/2020 Lowest Sample	EPA REFERENCE Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 571 676 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780 DOC20/476695 ANI Highest Sample	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) No No No Exceedance (yes/no) No No Exceedance (yes/no) No Exceedance	Not required until 31 October 2021 Comments Comments
Jan-21 POINT 12 Month Jan-21 Jan-21 Jan-21 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Syglen (O2) Syglen (D2) Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3) (oints 6 and 7) marker	Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pia Sample/Measurement Frequency Continuous Continuous d and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous d and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous	ans ("VX83735" Samples Collected & Analysed 99.32% 100% Samples Collected & Analysed 100% 100% Samples Collected & Analysed Analysed Analysed Analysed Analysed Analysed Analysed	Date Sampled Jan-21 1-1 AND "VX83735 Date Sampled Jan-21 1-1 AND "VX83735 Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Date Sampled	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530 1-2" 03/06/2020 Lowest Sample	EPA REFERENCE I Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 571 676 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780 DOC20/476695 ANI Highest Sample Value	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	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
Jan-21 POINT 12 Month Jan-21 Jan-21 Jan-21 POINT 13	Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boiler number 5 combined exhaust - duct A and B (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (p Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B (p	(mg/m3) (m3/s) (mg/m3) (%) (%) (%) (%) (rC) (mg/m3) (rC) (mg/m3) (roints 4 and 5) marker (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (oints 6 and 7) marker (mg/m3) (oints 6 and 9) marker	Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous d and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous d and shownas EPA ID 13 on The Pla Continuous Continuous Continuous Continuous Continuous	collected & Analysed ans ("VX83735 Samples Collected & Analysed 99.32% 100% Samples Collected & Analysed 100% 100% 100% Samples Collected & Collecte	Date Sampled Jan-21 1-1 AND "VX83733 Date Sampled Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21 Jan-21	Value 51-2" 03/06/2020 Lowest Sample Value 222 335 1-2" 03/06/2020 Lowest Sample Value 329 530 1-2" 03/06/2020 Lowest Sample	EPA REFERENCE Mean of Samples 436 510 EPA REFERENCE I Mean of Samples 571 676 EPA REFERENCE I	DOC20/476695 ANI Highest Sample Value 812 626 DOC20/476695 ANI Highest Sample Value 839 780 DOC20/476695 ANI Highest Sample	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669	Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	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
Jan-21	Nitrogen Oxides	(mg/m3)	Continuous	100%	Jan-21	482	751	1020			No	
lan-21	Sulfur dioxide	(mg/m3)	Continuous	100%	Jan-21	405	552	635			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 DOC20/476695-1).	

				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile	Fyreedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Jan-21	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	12/1/2021	<0.1	<0.1	< 0.1		0.2	No	
Jan-21	Copper	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.001	<0.001	< 0.001		0.005	No	
Jan-21	Iron	(mg/L)	Monthly during discharge	1	12/1/2021	0.157	0.157	0.157		0.3	No	
Jan-21	Oil and Grease	Visible	Continuous during discharge	100%	Jan-21	NIL	NIL	NIL				
Jan-21	Selenium	(mg/L)	Monthly during discharge	1	12/1/2021	<0.002	<0.002	< 0.002		0.005	No	
Jan-21	Temperature	(°C)	Continuous during discharge	100%	Jan-21	28.0	31.5	35.7	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	∂5-1).
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	Districting of superindunt water from the distriction to	•	, , , , , , , , , , , , , , , , , , , ,	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
Jan-21	Aluminium	(mg/L)	Monthly during discharge	1	12/1/2021	0.056	0.056	0.056				
Jan-21	Ammonia	(mg/L)	Monthly during discharge	1	12/1/2021	0.16	0.16	0.16				
Jan-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.001	<0.001	< 0.001				
Jan-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	12/1/2021	0.0040	0.0040	0.0040				
Jan-21	Cadmium	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.0002	<0.0002	<0.0002				
Jan-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.001	<0.001	< 0.001				
Jan-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	12/1/2021	0.008	0.008	0.008				
Jan-21	Copper	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.001	<0.001	< 0.001				
Jan-21	Iron	(mg/L)	Monthly during discharge	1	12/1/2021	0.092	0.092	0.092				
Jan-21	Lead	(mg/L)	Monthly during discharge	1	12/1/2021	< 0.0002	<0.0002	<0.0002				
Jan-21	Manganese	(mg/L)	Monthly during discharge	1	12/1/2021	0.0188	0.0188	0.0188				
Jan-21	Nickel	(mg/L)	Monthly during discharge	1	12/1/2021	0.002	0.002	0.002				
Jan-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	12/1/2021	0.22	0.22	0.22				
Jan-21	Nitrogen	(mg/L)	Monthly during discharge	1	12/1/2021	0.70	0.70	0.70				
Jan-21	pH	pH	Monthly during discharge	1	12/1/2021	8.23	8.23	8.23		6.5 - 9.5	No	
Jan-21	Phosphorus	(mg/L)	Monthly during discharge	1	12/1/2021	0.13	0.13	0.13				
Jan-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	12/1/2021	0.04	0.04	0.04				
Jan-21	Selenium	(mg/L)	Monthly during discharge	1	12/1/2021	0.05	0.05	0.05				
Jan-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	12/1/2021	0.5	0.5	0.5				
Jan-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	12/1/2021	4	4	4		50	No	
Jan-21	Vanadium	(mg/L)	Monthly during discharge	1	12/1/2021	0.0356	0.0356	0.0356				
Jan-21	Zinc	(mg/L)	Monthly during discharge	1	12/1/2021	0.006	0.006	0.006				

POINT 24													
				Samples					Discharge	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/110)	Limit	(yes/no)	Comments	
Jan-21	Aluminium	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Ammonia	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Cadmium	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Copper	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Iron	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Lead	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Manganese	(mg/L)	Monthly during discharge	1	12/1/2021				No			No discharge from EPA Point 24 during January 2021	
Jan-21	Nickel	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Nitrogen	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	pH	pН	Monthly during discharge	1	12/1/2021				No	6.5 - 9.5			
Jan-21	Phosphorus	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Selenium	(mg/L)	Monthly during discharge	1	12/1/2021				No				
Jan-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	12/1/2021		•		No				
Jan-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	12/1/2021		•		No	50			
Jan-21	Vanadium	(mg/L)	Monthly during discharge	1	12/1/2021		•		No				
Jan-21	Zinc	(mg/L)	Monthly during discharge	1	12/1/2021		•		No				

POINT 25												
				Samples					Discharge	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/110)	Limit	(yes/no)	Comments
Jan-21	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Lead	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during January 2021
Jan-21	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Jan-21	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			_
Jan-21	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			-
Jan-21	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Jan-21	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	-
Jan-21	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			_
Jan-21	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			_

POINT 30	Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					99 Percentile	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Jan-21	Aluminium	(mg/L)	Quarterly	1	12/1/2021	0.591	0.591	0.591					
Jan-21	Ammonia	(mg/L)	Quarterly	1	12/1/2021	3.32	3.32	3.32					
Jan-21	Arsenic (III)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Arsenic (V)	(mg/L)	Quarterly	1	12/1/2021	0.001	0.001	0.001					
Jan-21	Cadmium	(mg/L)	Quarterly	1	12/1/2021	< 0.0002	< 0.0002	< 0.0002					
Jan-21	Chromium (trivalent)	(mg/L)	Quarterly	1	12/1/2021	0.001	0.001	0.001					
Jan-21	Chromium (VI) Compounds	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Copper	(mg/L)	Quarterly	1	12/1/2021	0.002	0.002	0.002					
Jan-21	Electrical Conductivity	(us/cm)	Quarterly	1	12/1/2021	32600	32600	32600					
Jan-21	Iron	(mg/L)	Quarterly	1	12/1/2021	68.1	68.1	68.1					
Jan-21	Lead	(mg/L)	Quarterly	1	12/1/2021	0.0017	0.0017	0.0017					
Jan-21	Magnesium	(mg/L)	Quarterly	1	12/1/2021	821	821	821					
Jan-21	Manganese	(mg/L)	Quarterly	1	12/1/2021	4.23	4.23	4.23					
Jan-21	Nickel	(mg/L)	Quarterly	1	12/1/2021	0.0204	0.0204	0.0204					
Jan-21	рН	pН	Quarterly	1	12/1/2021	5.54	5.54	5.54					
Jan-21	Potassium	(mg/L)	Quarterly	1	12/1/2021	113	113	113					
Jan-21	Selenium	(mg/L)	Quarterly	1	12/1/2021	<0.002	< 0.002	< 0.002					
Jan-21	Sodium	(mg/L)	Quarterly	1	12/1/2021	5700	5700	5700					
Jan-21	Standing Water Level	(m)	Quarterly	1	12/1/2021	3.73	3.73	3.73					
Jan-21	Vanadium	(mg/L)	Quarterly	1	12/1/2021	0.0017	0.0017	0.0017					
Jan-21	Zinc	(mg/L)	Quarterly	1	12/1/2021	0.033	0.033	0.033					

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 sn	OWII as LFA ID 31 OII	THE FIGHS (VASS/331-1 AND VAS		JU/ ZUZU LFA KLFL	KLINCL DOCZU/470	093 AND DOCZU	470093-1].				
				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
Jan-21	Aluminium	(mg/L)	Quarterly	1	12/1/2021	1.4	1.4	1.4				
Jan-21	Ammonia	(mg/L)	Quarterly	1	12/1/2021	0.03	0.03	0.03				
Jan-21	Arsenic (III)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Arsenic (V)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Cadmium	(mg/L)	Quarterly	1	12/1/2021	0.00008	0.00008	0.00008				
Jan-21	Chromium (trivalent)	(mg/L)	Quarterly	1	12/1/2021	0.002	0.002	0.002				
Jan-21	Chromium (VI) Compounds	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Copper	(mg/L)	Quarterly	1	12/1/2021	0.017	0.017	0.017				
Jan-21	Electrical Conductivity	(us/cm)	Quarterly	1	12/1/2021	1460	1460	1460				
Jan-21	Iron	(mg/L)	Quarterly	1	12/1/2021	3.04	3.04	3.04				
Jan-21	Lead	(mg/L)	Quarterly	1	12/1/2021	0.0049	0.0049	0.0049				
Jan-21	Magnesium	(mg/L)	Quarterly	1	12/1/2021	10	10	10				
Jan-21	Manganese	(mg/L)	Quarterly	1	12/1/2021	0.048	0.048	0.048				
Jan-21	Nickel	(mg/L)	Quarterly	1	12/1/2021	0.0028	0.0028	0.0028				
Jan-21	pH	pН	Quarterly	1	12/1/2021	6.28	6.28	6.28				
Jan-21	Potassium	(mg/L)	Quarterly	1	12/1/2021	2	2	2				
Jan-21	Selenium	(mg/L)	Quarterly	1	12/1/2021	0.001	0.001	0.001				
Jan-21	Sodium	(mg/L)	Quarterly	1	12/1/2021	74	74	74				
Jan-21	Standing Water Level	(m)	Quarterly	1	12/1/2021	0.59	0.59	0.59				
Jan-21	Vanadium	(mg/L)	Quarterly	1	12/1/2021	0.0035	0.0035	0.0035				
Jan-21	Zinc	(mg/L)	Quarterly	1	12/1/2021	0.656	0.656	0.656				

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 DOC20/476695-1).												
				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	
Jan-21	Aluminium	(mg/L)	Quarterly	1	12/1/2021	2.46	2.46	2.46					
Jan-21	Ammonia	(mg/L)	Quarterly	1	12/1/2021	0.02	0.02	0.02					
Jan-21	Arsenic (III)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Arsenic (V)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Cadmium	(mg/L)	Quarterly	1	12/1/2021	0.00005	0.00005	0.00005					
Jan-21	Chromium (trivalent)	(mg/L)	Quarterly	1	12/1/2021	0.003	0.003	0.003					
Jan-21	Chromium (VI) Compounds	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Copper	(mg/L)	Quarterly	1	12/1/2021	0.0035	0.0035	0.0035					
Jan-21	Electrical Conductivity	(us/cm)	Quarterly	1	12/1/2021	547	547	547					
Jan-21	Iron	(mg/L)	Quarterly	1	12/1/2021	1.7	1.7	1.7					
Jan-21	Lead	(mg/L)	Quarterly	1	12/1/2021	0.0012	0.0012	0.0012					
Jan-21	Magnesium	(mg/L)	Quarterly	1	12/1/2021	6	6	6					
Jan-21	Manganese	(mg/L)	Quarterly	1	12/1/2021	0.027	0.027	0.027					
Jan-21	Nickel	(mg/L)	Quarterly	1	12/1/2021	0.0032	0.0032	0.0032					
Jan-21	pH	pН	Quarterly	1	12/1/2021	5.86	5.86	5.86					
Jan-21	Potassium	(mg/L)	Quarterly	1	12/1/2021	2	2	2					
Jan-21	Selenium	(mg/L)	Quarterly	1	12/1/2021	0.0002	0.0002	0.0002					
Jan-21	Sodium	(mg/L)	Quarterly	1	12/1/2021	57	57	57					
Jan-21	Standing Water Level	(m)	Quarterly	1	12/1/2021	1.88	1.88	1.88					
Jan-21	Vanadium	(mg/L)	Quarterly	1	12/1/2021	0.003	0.003	0.003					
Jan-21	Zinc	(mg/L)	Quarterly	1	12/1/2021	0.016	0.016	0.016					

POINT 33	Groundwater quality monitoring	ng bore marked and show	vn as EPA ID 33 on The	Plans ("VX837351-1 AND "\	/X837351-2" 03/0	06/2020 EPA REFEI	RENCE DOC20/476	695 AND DOC20/	476695-1).

POINT 33												
				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
Jan-21	Aluminium	(mg/L)	Quarterly	1	12/1/2021	2.06	2.06	2.06				
Jan-21	Ammonia	(mg/L)	Quarterly	1	12/1/2021	0.26	0.26	0.26				
Jan-21	Arsenic (III)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Arsenic (V)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Cadmium	(mg/L)	Quarterly	1	12/1/2021	<0.0002	< 0.0002	<0.0002				
Jan-21	Chromium (trivalent)	(mg/L)	Quarterly	1	12/1/2021	0.002	0.002	0.002				
Jan-21	Chromium (VI) Compounds	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001				
Jan-21	Copper	(mg/L)	Quarterly	1	12/1/2021	0.007	0.007	0.007				
Jan-21	Electrical Conductivity	(us/cm)	Quarterly	1	12/1/2021	43500	43500	43500				
Jan-21	Iron	(mg/L)	Quarterly	1	12/1/2021	118	118	118				
Jan-21	Lead	(mg/L)	Quarterly	1	12/1/2021	0.0051	0.0051	0.0051				
Jan-21	Magnesium	(mg/L)	Quarterly	1	12/1/2021	805	805	805				
Jan-21	Manganese	(mg/L)	Quarterly	1	12/1/2021	0.565	0.565	0.565				
Jan-21	Nickel	(mg/L)	Quarterly	1	12/1/2021	0.0032	0.0032	0.0032				
Jan-21	pH	pH	Quarterly	1	12/1/2021	6.49	6.49	6.49				
Jan-21	Potassium	(mg/L)	Quarterly	1	12/1/2021	214	214	214				
Jan-21	Selenium	(mg/L)	Quarterly	1	12/1/2021	<0.002	< 0.002	< 0.002				
Jan-21	Sodium	(mg/L)	Quarterly	1	12/1/2021	5960	5960	5960				_
Jan-21	Standing Water Level	(m)	Quarterly	1	12/1/2021	0.02	0.02	0.02				_
Jan-21	Vanadium	(mg/L)	Quarterly	1	12/1/2021	0.0074	0.0074	0.0074				_
Jan-21	Zinc	(mg/L)	Quarterly	1	12/1/2021	0.059	0.059	0.059				_

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	
Jan-21	Aluminium	(mg/L)	Quarterly	1	12/1/2021	3.84	3.84	3.84					
Jan-21	Ammonia	(mg/L)	Quarterly	1	12/1/2021	0.06	0.06	0.06					
Jan-21	Arsenic (III)	(mg/L)	Quarterly	1	12/1/2021	< 0.001	< 0.001	< 0.001					
Jan-21	Arsenic (V)	(mg/L)	Quarterly	1	12/1/2021	<0.001	<0.001	< 0.001					
Jan-21	Cadmium	(mg/L)	Quarterly	1	12/1/2021	0.00007	0.00007	0.00007					
Jan-21	Chromium (trivalent)	(mg/L)	Quarterly	1	12/1/2021	0.006	0.006	0.006					
Jan-21	Chromium (VI) Compounds	(mg/L)	Quarterly	1	12/1/2021	<0.001	< 0.001	< 0.001					
Jan-21	Copper	(mg/L)	Quarterly	1	12/1/2021	0.007	0.007	0.007					
Jan-21	Electrical Conductivity	(us/cm)	Quarterly	1	12/1/2021	1380	1380	1380					
Jan-21	Iron	(mg/L)	Quarterly	1	12/1/2021	6.75	6.75	6.75					
Jan-21	Lead	(mg/L)	Quarterly	1	12/1/2021	0.0046	0.0046	0.0046					
Jan-21	Magnesium	(mg/L)	Quarterly	1	12/1/2021	12	12	12					
Jan-21	Manganese	(mg/L)	Quarterly	1	12/1/2021	0.089	0.089	0.089					
Jan-21	Nickel	(mg/L)	Quarterly	1	12/1/2021	0.0091	0.0091	0.0091					
Jan-21	pH	pН	Quarterly	1	12/1/2021	5.60	5.60	5.60					
Jan-21	Potassium	(mg/L)	Quarterly	1	12/1/2021	2	2	2					
Jan-21	Selenium	(mg/L)	Quarterly	1	12/1/2021	0.0003	0.0003	0.0003					
Jan-21	Sodium	(mg/L)	Quarterly	1	12/1/2021	109	109	109					
Jan-21	Standing Water Level	(m)	Quarterly	1	12/1/2021	-0.28	-0.28	-0.28					
Jan-21	Vanadium	(mg/L)	Quarterly	1	12/1/2021	0.0106	0.0106	0.0106					
Jan-21	Zinc	(mg/L)	Quarterly	1	12/1/2021	0.053	0.053	0.053					

GENERAL COMMENTS