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	April 2022	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points	4 to 7 to Point 1 mark	ed and shown as EPA ID 2 on The Pla	ns ("VX837351	-1 AND "VX83735	51-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AN	ID DOC20/47669	95-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &	Date Sampled	Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed		Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Apr-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Apr-22	Chlorine	(mg/m3)	Every 6 months							20		
Apr-22	Fluorine	(mg/m3)	Every 6 months							30		
Apr-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Apr-22	Mercury	(mg/m3)	Every 6 months							0.05		
Apr-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Apr-22	398	605	771	850	980	No	
Apr-22	Solid Particles	(mg/m3)	Quarterly							50	No	
Apr-22	Sulfur dioxide	(mg/m3)	Continuous	100.0%	Apr-22	613	715	841	1400	1700	No	
Apr-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
4 22	VOC's as a propose equivalent	(/2)	Fuoni 6 months	i e						10		

POINT 3	Combined air emissions from boiler 6 via Points 8	to 11 to Point 1 mar	ked and shown as EPA ID 3 on The Pla	ans ("VX83735	51-1 AND "VX8373	51-2" 03/06/2020	O EPA REFERENC	E DOC20/476695 A	AND DOC20/4766	595-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Apr-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Apr-22	Chlorine	(mg/m3)	Every 6 months							20		
Apr-22	Fluorine	(mg/m3)	Every 6 months							30		
Apr-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Apr-22	Mercury	(mg/m3)	Every 6 months							0.05		
Apr-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Apr-22	518	662	789	850	980	No	
Apr-22	Solid Particles	(mg/m3)	Quarterly							50	No	
Apr-22	Sulfur dioxide	(mg/m3)	Continuous	100.0%	Apr-22	557	718	934	1400	1700	No	
Apr-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Apr-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10		

POINT 4	Boiler number 5 exhaust - duct A marked and sho	wn as EPA ID 4 on Th	e Plans ("VX837351-1 AND "VX83735	1-2" 03/06/2	020 EPA REFEREN	CE DOC20/476695	AND DOC20/47	6695-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	99 Percentile Concentration		Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Apr-22	Cadmium	(mg/m3)	Every 6 months									
Apr-22	Carbon dioxide	(%)	Every 6 months									
Apr-22	Chlorine	(mg/m3)	Every 6 months									
Apr-22	Flow rate	(m3/s)	Continuous									
Apr-22	Fluorine	(mg/m3)	Every 6 months									
Apr-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Apr-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Apr-22	Moisture	(%)	Continuous									monitoring instrumentation.
Apr-22	Oxygen (O2)	(%)	Continuous									
Apr-22	Solid Particles	(mg/m3)	Quarterly									
Apr-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Apr-22	Temperature	(°C)	Continuous									
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Apr-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

	Silet Halliber 5 exhaust - daet B marked and show	VII as EPA ID 5 UII III	e Plans ("VX837351-1 AND "VX83735	1-2" 03/06/2	UZU EPA KEFEKEN	CE DUC20/4/6695	AND DOC20/47	6695-1).				
Month	Pollutant	11-14-488	Sample/Measurement Frequency	Samples Collected &	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value		100 Percentile Concentration Limit		Comments
				Analyseu	Date Sampleu	Value	Samples	Value	Liffiit	LITTIL	(yes/110)	Comments
Apr-22 Cad	admium	(mg/m3)	Every 6 months									
Apr-22 Flo	ow rate	(m3/s)	Continuous									
Apr-22 Me	ercury	(mg/m3)	Every 6 months									
Apr-22 Mo	oisture	(%)	Continuous									See note at end of report regarding installation of continuous
Apr-22 Oxy	xygen (O2)	(%)	Continuous									monitoring instrumentation.
Apr-22 Sol	olid Particles	(mg/m3)	Quarterly									
Apr-22 Ter	emperature	(°C)	Continuous									
Apr-22 Typ	pe 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6 Boiler number 5 exhaust - duct C marked and shown as EPA ID 6 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695	POINT 6	351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/4	476695-1).
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				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
Apr-22	Cadmium	(mg/m3)	Every 6 months									
Apr-22	Carbon dioxide	(%)	Every 6 months									
Apr-22	Chlorine	(mg/m3)	Every 6 months									
Apr-22	Flow rate	(m3/s)	Continuous									
Apr-22	Fluorine	(mg/m3)	Every 6 months									
Apr-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Apr-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Apr-22	Moisture	(%)	Continuous									monitoring instrumentation.
Apr-22	Oxygen (O2)	(%)	Continuous									
Apr-22	Solid Particles	(mg/m3)	Quarterly									
Apr-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Apr-22	Temperature	(°C)	Continuous									
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Apr-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 7 Boiler number 5 exhaust - duct D marked and shown as EPA ID 7 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				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
Apr-22	Cadmium	(mg/m3)	Every 6 months									
Apr-22	Flow rate	(m3/s)	Continuous									
Apr-22	Mercury	(mg/m3)	Every 6 months									
Apr-22	Moisture	(%)	Continuous									See note at end of report regarding installation of continuous
Apr-22	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
Apr-22	Solid Particles	(mg/m3)	Quarterly									
Apr-22	Temperature	(°C)	Continuous									
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 8 Boiler number 6 exhaust - duct A marked and shown as EPA ID 8 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				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
Apr-22	Cadmium	(mg/m3)	Every 6 months									
Apr-22	Carbon dioxide	(%)	Every 6 months									
Apr-22	Chlorine	(mg/m3)	Every 6 months									
Apr-22	Flow rate	(m3/s)	Continuous									
Apr-22	Fluorine	(mg/m3)	Every 6 months									
Apr-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Apr-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of continuous
Apr-22	Moisture	(%)	Continuous									monitoring instrumentation.
Apr-22	Oxygen (O2)	(%)	Continuous									
Apr-22	Solid Particles	(mg/m3)	Quarterly									
Apr-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Apr-22	Temperature	(°C)	Continuous									
Apr-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Apr-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									_

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
onth	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
or-22	Cadmium	(mg/m3)	Every 6 months									
or-22	Flow rate	(m3/s)	Continuous									
or-22	Mercury	(mg/m3)	Every 6 months									
or-22	Moisture	(%)	Continuous									See note at end of report regarding installation of conti
or-22	Oxygen (O2)	(%)	Continuous									monitoring instrumentation.
or-22	Solid Particles	(mg/m3)	Quarterly									
or-22	Temperature	(°C)	Continuous									
or-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months	l								
NT 10	Boiler number 6 exhaust - duct C marked and sho	our os EDA ID 10 on T	The Diane ("VV9273E1 1 AND "VV9273	DE1 2" 02/06/	2020 EDA DEFEDE	NCE DOC20/47660	E AND DOCAD/A	7660F 1\				
NI 10	Boller Hulliber 6 exhaust - duct C marked and sho	DWII AS EPA ID 10 OII I	THE Plans (VA837331-1 AND VA8373		ZUZU EPA KEFEKE	NCE DUC20/47663	3 AND DOC20/4	70095-1].		400 0		
				Samples Collected &		Lowest Sample	Mean of	115-b	99 Percentile Concentration	100 Percentile Concentration	Exceedance	
	D-U-tt	11-it -f 84	Sample /Magguroment Fraguency		Data Campled	7		Highest Sample				G
onth or-22	Pollutant Cadmium	Unit of Measure	Sample/Measurement Frequency Every 6 months	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
		(mg/m3) (%)	,									
or-22 or-22	Carbon dioxide Chlorine	(%) (mg/m3)	Every 6 months Every 6 months									
or-22	Flow rate	(m3/s)	Continuous									
or-22	Fluorine	(mg/m3)	Every 6 months									
or-22	Hydrogen chloride	(mg/m3)	Every 6 months	l								
or-22	Mercury	(mg/m3)	Every 6 months									See note at end of report regarding installation of conti
or-22	Moisture	(%)	Continuous									monitoring instrumentation.
or-22	Oxygen (O2)	(%)	Continuous		l							
or-22	Solid Particles	(mg/m3)	Quarterly									
or-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
or-22	Temperature	(°C)	Continuous									
or-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
or-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
NT 11	Boiler number 6 exhaust - duct D marked and she	own as EPA ID 11 on 1	The Plans ("VX837351-1 AND "VX8373	Samples	2020 EPA REFERE				99 Percentile	100 Percentile		
NT 11	Boiler number 6 exhaust - duct D marked and she	own as EPA ID 11 on T	The Plans ("VX837351-1 AND "VX8373		2020 EPA REFERE	NCE DOC20/47669 Lowest Sample Value	5 AND DOC20/4 Mean of Samples	Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
onth	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
onth or-22	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments
onth or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of conti
onth or-22 or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2)	Unit of Measure (mg/m3) (m3/s) (mg/s) (mg/m3) (%) (%)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
onth or-22 or-22 or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of contin
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of contin
onth or-22 or-22 or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		See note at end of report regarding installation of conti
onth or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency 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		See note at end of report regarding installation of conti
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency 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 AND DOC20/476	Concentration Limit		See note at end of report regarding installation of conti
onth or-22	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed lans ("VX8373 Samples	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit	(yes/no)	See note at end of report regarding installation of contin
onth or-22	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (B (points 4 and 5) mai	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed Plans ("VX8373 Samples Collected &	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 695-100 Percentile Concentration	(yes/no)	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12	Pollutant 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 I	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled	Lowest Sample Value 351-2" 03/06/20 Lowest Sample Value	Mean of Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value	Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit	Exceedance (yes/no)	See note at end of report regarding installation of conti
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months red and shown as EPA ID 12 on The P	Samples Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22	Lowest Sample Value 351-2" 03/06/20. Lowest Sample Value 368	Mean of Samples O EPA REFERENT Mean of Samples 574	Highest Sample Value CE DOC20/476695 Highest Sample Value 724	Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 695-100 Percentile Concentration	Exceedance (yes/no) N/A	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12	Pollutant 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 I	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled	Lowest Sample Value 351-2" 03/06/20 Lowest Sample Value	Mean of Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value	Concentration Limit AND DOC20/476 99 Percentile Concentration	Concentration Limit 695-1). 695-100 Percentile Concentration	Exceedance (yes/no)	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0%	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/20: Lowest Sample Value 368 564	Mean of Samples O EPA REFERENCE Mean of Samples 574 669	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779	Concentration Limit AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 or-22	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0%	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/20: Lowest Sample Value 368 564	Mean of Samples O EPA REFERENCE Mean of Samples 574 669	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779	Concentration Limit AND DOC20/476 99 Percentile Concentration Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 or-22	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/20: Lowest Sample Value 368 564	Mean of Samples O EPA REFERENCE Mean of Samples 574 669	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779	AND DOC20/476	Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 or-22	Pollutant 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 I	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fixed and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Samples Samples Samples Samples	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/202 Lowest Sample Value 368 564 351-2" 03/06/202	Mean of Samples O EPA REFERENCE Mean of Samples 574 669 O EPA REFERENCE	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 E DOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile	Concentration Limit 695-1). 100 Percentile Concentration Limit 695-1). 100 Percentile	Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of conti monitoring instrumentation.
onth or-22 NT 12 onth or-22 NT 12	Pollutant 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 I	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months riked and shown as EPA ID 12 on The P	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% ans ("VX8373 Samples Collected & Collec	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837	Lowest Sample Value "351-2" 03/06/20: Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample	Mean of Samples O EPA REFERENCE Mean of Samples 574 669 O EPA REFERENCE Mean of Mean of Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695. Highest Sample	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Concentration Concentration Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) N/A N/A Exceedance	See note at end of report regarding installation of continuous monitoring instrumentation. Comments
onth 17-22 17-22 17-22 17-22 17-22 17-22 17-22 17-22 17-22 NT 12 Onth 17-22 NT 13	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Every 6 months Freed and shown as EPA ID 12 on The Part of	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% collected & Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled	351-2" 03/06/20: Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample Value	Mean of Samples O EPA REFERENCE Mean of Samples 574 669 O EPA REFERENCE Mean of Samples Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695 / Highest Sample Value	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Concentration Concentration Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of conti monitoring instrumentation. Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13 onth or-22 or-22 or-22 or-22	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months riced and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Lans ("VX8373 Samples Collected & Analysed 96.2% 96.2%	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/20: Lowest Sample Value 368 564 351-2" 03/06/20: Lowest Sample Value 412 642	Mean of Samples 50 EPA REFERENCE Mean of Samples 574 669 0 EPA REFERENCE Mean of Samples 637 762	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695 Highest Sample Value 819 902	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of conti monitoring instrumentation. Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months riced and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Lans ("VX8373 Samples Collected & Analysed 96.2% 96.2%	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/20: Lowest Sample Value 368 564 351-2" 03/06/20: Lowest Sample Value 412 642	Mean of Samples 50 EPA REFERENCE Mean of Samples 574 669 0 EPA REFERENCE Mean of Samples 637 762	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695 Highest Sample Value 819 902	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit 695-1). 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A	See note at end of report regarding installation of conti monitoring instrumentation. Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13 onth or-22 or-22 or-22 or-22	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months riced and shown as EPA ID 12 on The P Sample/Measurement Frequency Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% 200	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22	351-2" 03/06/202 Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample Value 412 642 351-2" 03/06/202	Mean of Samples DEPA REFERENCE Mean of Samples 574 669 DEPA REFERENCE Mean of Samples 637 762 DEPA REFERENCE	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 E DOC20/476695 Highest Sample Value 819 902 E DOC20/476695	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit Limit	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A N/A	See note at end of report regarding installation of conti monitoring instrumentation. Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13 onth or-22 NT 13	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fred and shown as EPA ID 12 on The Part of the	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Gollected & Analysed 96.2% 96.2% 96.2% 3ans ("VX8373 Samples Collected & Collected & Collected & Analysed 96.2% Samples Collected & Collect	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837	Lowest Sample Value 351-2" 03/06/202 Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample Value 412 642 351-2" 03/06/202 Lowest Sample	Mean of Samples 50 EPA REFERENCE Mean of Samples 574 669 0 EPA REFERENCE Mean of Samples 637 762 0 EPA REFERENCE Mean of Mean of Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695 Highest Sample Value 819 902 EE DOC20/476695 Highest Sample	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 AND DOC20/476 Concentration Limit Concentration Limit AND DOC20/476 Concentration Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit Concentration Limit Concentration Limit Concentration Limit Concentration Limit Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A Exceedance (yes/no)	See note at end of report regarding installation of conti monitoring instrumentation. Comments Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13 onth or-22 NT 13 onth or-22 NT 14	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and I Pollutant	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (rc) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3) Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months riced and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Freed and shownas EPA ID 13 on The Pl Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% lans ("VX8373 Samples Collected & Analysed 96.2% 96.2% Samples Collected & Analysed Collected & Analysed Analysed Collected & Analysed	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 Apr-22 Date Sampled Date Sampled Apr-22 Apr-22 Apr-22 Date Sampled	351-2" 03/06/202 Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample Value 412 642 351-2" 03/06/202 Lowest Sample Value 412 642 Lowest Sample Value 412 642	Mean of Samples 574 669 0 EPA REFERENC Mean of Samples 577 669 0 EPA REFERENC Mean of Samples 637 762 0 EPA REFERENC	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 CE DOC20/476695 Highest Sample Value 819 902 CE DOC20/476695 Highest Sample Value Highest Sample Value 819 902	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile 99 Percentile	Concentration Limit 695-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no)	See note at end of report regarding installation of conti monitoring instrumentation. Comments
onth or-22 or-22 or-22 or-22 or-22 or-22 NT 12 onth or-22 NT 13 onth or-22 NT 13	Pollutant 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 I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct C and I Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) man Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3) Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months Fred and shown as EPA ID 12 on The Part of the	Samples Collected & Analysed lans ("VX8373 Samples Collected & Analysed 100.0% 100.0% Samples Gollected & Analysed 96.2% 96.2% 96.2% 3ans ("VX8373 Samples Collected & Collected & Collected & Analysed 96.2% Samples Collected & Collect	Date Sampled 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837 Date Sampled Apr-22 Apr-22 51-1 AND "VX837	Lowest Sample Value 351-2" 03/06/202 Lowest Sample Value 368 564 351-2" 03/06/202 Lowest Sample Value 412 642 351-2" 03/06/202 Lowest Sample	Mean of Samples 50 EPA REFERENCE Mean of Samples 574 669 0 EPA REFERENCE Mean of Samples 637 762 0 EPA REFERENCE Mean of Mean of Samples	Highest Sample Value CE DOC20/476695 Highest Sample Value 724 779 EE DOC20/476695 Highest Sample Value 819 902 EE DOC20/476695 Highest Sample	AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 99 Percentile Concentration Limit AND DOC20/476 AND DOC20/476 Concentration Limit Concentration Limit AND DOC20/476 Concentration Concentration	Concentration Limit 695-1). 100 Percentile Concentration Limit Concentration Limit Concentration Limit Concentration Limit Concentration Limit Concentration Limit	Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance (yes/no) N/A Exceedance (yes/no)	See note at end of report regarding installation of conti monitoring instrumentation. Comments Comments

				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
Apr-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Apr-22	462	591	739			N/A	
Apr-22	Sulfur dioxide	(mg/m3)	Continuous	100.0%	Apr-22	541	685	897			N/A	

POINT 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 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	98.5 Percentile Concentration Limit	Concentration		
Apr-22	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	13/04/2022	<0.1	<0.1	<0.1		0.2	No	
Apr-22	Copper	(mg/L)	Monthly during discharge	1	13/04/2022	0.0030	0.0030	0.0030		0.005	No	
Apr-22	Iron	(mg/L)	Monthly during discharge	1	13/04/2022	0.065	0.065	0.065		0.3	No	
Apr-22	Oil and Grease	Visible	Continuous during discharge	100%	Apr-22	NIL	NIL	NIL				
Apr-22	Selenium	(mg/L)	Monthly during discharge	1	13/04/2022	<0.002	<0.002	<0.002		0.005	No	_
Apr-22	Temperature	(°C)	Continuous during discharge	100%	Apr-22	24.0	30.1	33.9	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).

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" 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	
Apr-22	Aluminium	(mg/L)	Monthly during discharge	1	13/04/2022	0.168	0.168	0.168					
Apr-22	Ammonia	(mg/L)	Monthly during discharge	1	13/04/2022	0.09	0.09	0.09					
Apr-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	13/04/2022	<0.0006	<0.0006	<0.0006					
Apr-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	13/04/2022	0.0028	0.0028	0.0028					
Apr-22	Cadmium	(mg/L)	Monthly during discharge	1	13/04/2022	<0.00005	<0.00005	<0.00005					
Apr-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	13/04/2022	0.002	0.002	0.002					
Apr-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	13/04/2022	0.019	0.019	0.019					
Apr-22	Copper	(mg/L)	Monthly during discharge	1	13/04/2022	0.0014	0.0014	0.0014					
Apr-22	Iron	(mg/L)	Monthly during discharge	1	13/04/2022	0.097	0.097	0.097					
Apr-22	Lead	(mg/L)	Monthly during discharge	1	13/04/2022	0.0002	0.0002	0.0002					
Apr-22	Manganese	(mg/L)	Monthly during discharge	1	13/04/2022	0.0044	0.0044	0.0044					
Apr-22	Nickel	(mg/L)	Monthly during discharge	1	13/04/2022	0.0005	0.0005	0.0005					
Apr-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	13/04/2022	0.06	0.06	0.06					
Apr-22	Nitrogen	(mg/L)	Monthly during discharge	1	13/04/2022	0.50	0.50	0.50					
Apr-22	pH	pН	Monthly during discharge	1	13/04/2022	8.86	8.86	8.86		6.5 - 9.5	No		
Apr-22	Phosphorus	(mg/L)	Monthly during discharge	1	13/04/2022	0.03	0.03	0.03					
Apr-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	13/04/2022	<0.01	<0.01	< 0.01					
Apr-22	Selenium	(mg/L)	Monthly during discharge	1	13/04/2022	0.0373	0.0373	0.0373					
Apr-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	13/04/2022	0.4	0.4	0.4					
Apr-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	13/04/2022	7.0	7.0	7.0		50	No		
Apr-22	Vanadium	(mg/L)	Monthly during discharge	1	13/04/2022	0.0394	0.0394	0.0394					
Apr-22	Zinc	(mg/L)	Monthly during discharge	1	13/04/2022	0.003	0.003	0.003					

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
Apr-22	Aluminium	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Ammonia	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Cadmium	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Copper	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Iron	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Lead	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Manganese	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Nickel	(mg/L)	Monthly during discharge	1	13/04/2022				No			No discharge from EPA Point 24 during April 2022
Apr-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Nitrogen	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	pH	pH	Monthly during discharge	1	13/04/2022				No	6.5 - 9.5	No	
Apr-22	Phosphorus	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Selenium	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	13/04/2022				No	50	No	
Apr-22	Vanadium	(mg/L)	Monthly during discharge	1	13/04/2022				No			
Apr-22	Zinc	(mg/L)	Monthly during discharge	1	13/04/2022				No			

				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Discharge	100 Percentile Concentration	Evenodanco	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	(yes/no)	Limit	(yes/no)	Comments
Apr-22	Aluminium	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.128	0.175	0.266	Yes		() = 2, = 7	
Apr-22	Ammonia	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.04	0.11	0.26	Yes			
Apr-22	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<0.0005	0.0010	0.0030	Yes			
Apr-22	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<0.0005	0.0025	0.0031	Yes			
Apr-22	Cadmium	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<0.00005	<0.00005	< 0.00005	Yes			
Apr-22	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	< 0.001	0.002	0.007	Yes			
Apr-22	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.012	0.019	0.023	Yes			
Apr-22	Copper	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<0.0005	0.0009	0.0037	Yes			
Apr-22	Iron	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.052	0.109	0.279	Yes			
Apr-22	Lead	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	< 0.0001	0.0001	0.0003	Yes			
Apr-22	Manganese	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.0039	0.0056	0.0096	Yes			
Apr-22	Nickel	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<0.0005	0.0019	< 0.01	Yes			
Apr-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.01	0.03	0.06	Yes			
Apr-22	Nitrogen	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.2	0.44	0.7	Yes			
Apr-22	pH	pH	Daily for any discharge >2 hrs	14	1-14/4/2022	7.93	8.62	9.04	Yes	6.5 - 9.5	No	
Apr-22	Phosphorus	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.01	0.046	0.21	Yes			
Apr-22	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	< 0.01	0.01	0.01	Yes			
Apr-22	Selenium	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.0033	0.0334	0.0410	Yes			
Apr-22	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	0.2	0.429	0.7	Yes			
Apr-22	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs	14	1-14/4/2022	<2	5.50	9.0	Yes	50	No	

0.0341

<0.001

0.0366

0.002

0.0389

Yes

POINT 25 Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

Daily for any discharge >2 hrs

Daily for any discharge >2 hrs

(mg/L)

(mg/L)

Apr-22

Apr-22

Vanadium

Zinc

14

14

1-14/4/2022

1-14/4/2022

POINT 30	Groundwater quality monitoring bore marked as	nd shown as EPA ID 30	on The Plans ("VX837351-1 AND "V	X837351-2" 03	/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DO	220/476695-1).			
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	Exceedance (yes/no)	Comments
Apr-22	Aluminium	(mg/L)	Quarterly	1	13/04/2022	0.449	0.449	0.449			
Apr-22	Ammonia	(mg/L)	Quarterly	1	13/04/2022	1.66	1.66	1.66			
Apr-22	Arsenic (III)	(mg/L)	Quarterly	1	13/04/2022	< 0.004	< 0.004	< 0.004			
Apr-22	Arsenic (V)	(mg/L)	Quarterly	1	13/04/2022	< 0.004	< 0.004	< 0.004			
Apr-22	Cadmium	(mg/L)	Quarterly	1	13/04/2022	0.00006	0.00006	0.00006			
Apr-22	Chromium (trivalent)	(mg/L)	Quarterly	1	13/04/2022	0.002	0.002	0.002			
Apr-22	Chromium (VI) Compounds	(mg/L)	Quarterly	1	13/04/2022	< 0.001	< 0.001	< 0.001			
Apr-22	Copper	(mg/L)	Quarterly	1	13/04/2022	0.004	0.004	0.004			
Apr-22	Electrical Conductivity	(us/cm)	Quarterly	1	13/04/2022	23800	23800	23800			
Apr-22	Iron	(mg/L)	Quarterly	1	13/04/2022	37.6	37.6	37.6			
Apr-22	Lead	(mg/L)	Quarterly	1	13/04/2022	0.0013	0.0013	0.0013			
Apr-22	Magnesium	(mg/L)	Quarterly	1	13/04/2022	556	556	556			
Apr-22	Manganese	(mg/L)	Quarterly	1	13/04/2022	2.46	2.46	2.46			
Apr-22	Nickel	(mg/L)	Quarterly	1	13/04/2022	0.0149	0.0149	0.0149			
Apr-22	рН	рН	Quarterly	1	13/04/2022	6.00	6.00	6.00			
Apr-22	Potassium	(mg/L)	Quarterly	1	13/04/2022	71	71	71			
Apr-22	Selenium	(mg/L)	Quarterly	1	13/04/2022	0.0004	0.0004	0.0004			
Apr-22	Sodium	(mg/L)	Quarterly	1	13/04/2022	4080	4080	4080			
Apr-22	Standing Water Level	(m)	Quarterly	1	13/04/2022	3.62	3.62	3.62			
Apr-22	Vanadium	(mg/L)	Quarterly	1	13/04/2022	0.0010	0.0010	0.0010			
Apr-22	Zinc	(mg/L)	Quarterly	1	13/04/2022	0.014	0.014	0.014			

POINT 31														
Manuth	D-Waterst	Hait of Manager	S	Samples Collected &	Data Camalad	Lowest Sample Value	Mean of	Highest Sample Value		100 Percentile Concentration Limit	Exceedance	C		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled		Samples		Limit	Limit	(yes/no)	Comments		
Apr-22	Aluminium	(mg/L)	Quarterly	1	13/04/2022	2.37	2.37	2.37						
Apr-22	Ammonia	(mg/L)	Quarterly	1	13/04/2022	0.03	0.03	0.03						
Apr-22	Arsenic (III)	(mg/L)	Quarterly	1	13/04/2022	<0.0005	<0.0005	<0.0005						
Apr-22	Arsenic (V)	(mg/L)	Quarterly	1	13/04/2022	<0.0005	<0.0005	<0.0005						
Apr-22	Cadmium	(mg/L)	Quarterly	1	13/04/2022	<0.00005	<0.00005	<0.00005						
Apr-22	Chromium (trivalent)	(mg/L)	Quarterly	1	13/04/2022	0.002	0.002	0.002						
Apr-22	Chromium (VI) Compounds	(mg/L)	Quarterly	1	13/04/2022	< 0.01	< 0.01	< 0.01						
Apr-22	Copper	(mg/L)	Quarterly	1	13/04/2022	0.0211	0.0211	0.0211						
Apr-22	Electrical Conductivity	(us/cm)	Quarterly	1	13/04/2022	255	255	255						
Apr-22	Iron	(mg/L)	Quarterly	1	13/04/2022	2.80	2.80	2.80						
Apr-22	Lead	(mg/L)	Quarterly	1	13/04/2022	0.0087	0.0087	0.0087						
Apr-22	Magnesium	(mg/L)	Quarterly	1	13/04/2022	3	3	3						
Apr-22	Manganese	(mg/L)	Quarterly	1	13/04/2022	0.038	0.038	0.038						
Apr-22	Nickel	(mg/L)	Quarterly	1	13/04/2022	0.0030	0.0030	0.0030						
Apr-22	pH	pН	Quarterly	1	13/04/2022	6.52	6.52	6.52						
Apr-22	Potassium	(mg/L)	Quarterly	1	13/04/2022	2	2	2						
Apr-22	Selenium	(mg/L)	Quarterly	1	13/04/2022	0.0008	0.0008	0.0008						
Apr-22	Sodium	(mg/L)	Quarterly	1	13/04/2022	25	25	25						
Apr-22	Standing Water Level	(m)	Quarterly	1	13/04/2022	0.26	0.26	0.26						
Apr-22	Vanadium	(mg/L)	Quarterly	1	13/04/2022	0.005	0.005	0.005						
Apr-22	Zinc	(mg/L)	Quarterly	1	13/04/2022	0.56	0.56	0.56				_		

POINT 32	Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples 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	
Apr-22	Aluminium	(mg/L)	Quarterly	1	13/04/2022	1.25	1.25	1.25					
Apr-22	Ammonia	(mg/L)	Quarterly	1	13/04/2022	0.01	0.01	0.01					
Apr-22	Arsenic (III)	(mg/L)	Quarterly	1	13/04/2022	< 0.0005	<0.0005	< 0.0005					
Apr-22	Arsenic (V)	(mg/L)	Quarterly	1	13/04/2022	<0.0005	<0.0005	< 0.0005					
Apr-22	Cadmium	(mg/L)	Quarterly	1	13/04/2022	<0.00005	<0.00005	<0.00005					
Apr-22	Chromium (trivalent)	(mg/L)	Quarterly	1	13/04/2022	0.002	0.002	0.002					
Apr-22	Chromium (VI) Compounds	(mg/L)	Quarterly	1	13/04/2022	<0.001	< 0.001	< 0.001					
Apr-22	Copper	(mg/L)	Quarterly	1	13/04/2022	0.0085	0.0085	0.0085					
Apr-22	Electrical Conductivity	(us/cm)	Quarterly	1	13/04/2022	345	345	345					
Apr-22	Iron	(mg/L)	Quarterly	1	13/04/2022	0.54	0.54	0.54					
Apr-22	Lead	(mg/L)	Quarterly	1	13/04/2022	0.0008	0.0008	0.0008					
Apr-22	Magnesium	(mg/L)	Quarterly	1	13/04/2022	2	2	2					
Apr-22	Manganese	(mg/L)	Quarterly	1	13/04/2022	0.0117	0.0117	0.0117					
Apr-22	Nickel	(mg/L)	Quarterly	1	13/04/2022	0.0014	0.0014	0.0014					
Apr-22	pH	pH	Quarterly	1	13/04/2022	6.18	6.18	6.18					
Apr-22	Potassium	(mg/L)	Quarterly	1	13/04/2022	1	1	1					
Apr-22	Selenium	(mg/L)	Quarterly	1	13/04/2022	0.0002	0.0002	0.0002					
Apr-22	Sodium	(mg/L)	Quarterly	1	13/04/2022	17	17	17					
Apr-22	Standing Water Level	(m)	Quarterly	1	13/04/2022	0.46	0.46	0.46					
Apr-22	Vanadium	(mg/L)	Quarterly	1	13/04/2022	0.0016	0.0016	0.0016					
Apr-22	Zinc	(mg/L)	Quarterly	1	13/04/2022	0.014	0.014	0.014					

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		
Apr-22	Aluminium	(mg/L)	Quarterly	1	13/04/2022	0.52	0.52	0.52						
Apr-22	Ammonia	(mg/L)	Quarterly	1	13/04/2022	0.15	0.15	0.15						
Apr-22	Arsenic (III)	(mg/L)	Quarterly	1	13/04/2022	< 0.004	<0.004	< 0.004						
Apr-22	Arsenic (V)	(mg/L)	Quarterly	1	13/04/2022	< 0.004	< 0.004	< 0.004						
Apr-22	Cadmium	(mg/L)	Quarterly	1	13/04/2022	<0.0002	<0.0002	<0.0002						
Apr-22	Chromium (trivalent)	(mg/L)	Quarterly	1	13/04/2022	< 0.001	< 0.001	< 0.001						
Apr-22	Chromium (VI) Compounds	(mg/L)	Quarterly	1	13/04/2022	0.007	0.007	0.007						
Apr-22	Copper	(mg/L)	Quarterly	1	13/04/2022	0.005	0.005	0.005						
Apr-22	Electrical Conductivity	(us/cm)	Quarterly	1	13/04/2022	50000	50000	50000						
Apr-22	Iron	(mg/L)	Quarterly	1	13/04/2022	64.4	64.4	64.4						
Apr-22	Lead	(mg/L)	Quarterly	1	13/04/2022	0.0012	0.0012	0.0012						
Apr-22	Magnesium	(mg/L)	Quarterly	1	13/04/2022	1350	1350	1350						
Apr-22	Manganese	(mg/L)	Quarterly	1	13/04/2022	0.675	0.675	0.675						
Apr-22	Nickel	(mg/L)	Quarterly	1	13/04/2022	0.0020	0.0020	0.0020						
Apr-22	pH	pH	Quarterly	1	13/04/2022	6.79	6.79	6.79						
Apr-22	Potassium	(mg/L)	Quarterly	1	13/04/2022	294	294	294						
Apr-22	Selenium	(mg/L)	Quarterly	1	13/04/2022	<0.002	<0.002	<0.002						
Apr-22	Sodium	(mg/L)	Quarterly	1	13/04/2022	9960	9960	9960						
Apr-22	Standing Water Level	(m)	Quarterly	1	13/04/2022	0.01	0.01	0.01						
Apr-22	Vanadium	(mg/L)	Quarterly	1	13/04/2022	0.0030	0.0030	0.0030						
Apr-22	Zinc	(mg/L)	Quarterly	1	13/04/2022	0.016	0.016	0.016						

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	
Apr-22	Aluminium	(mg/L)	Quarterly	1	13/04/2022	0.52	0.52	0.52					
Apr-22	Ammonia	(mg/L)	Quarterly	1	13/04/2022	0.03	0.03	0.03					
Apr-22	Arsenic (III)	(mg/L)	Quarterly	1	13/04/2022	<0.0005	<0.0005	< 0.0005					
Apr-22	Arsenic (V)	(mg/L)	Quarterly	1	13/04/2022	<0.0005	<0.0005	< 0.0005					
Apr-22	Cadmium	(mg/L)	Quarterly	1	13/04/2022	< 0.00005	<0.00005	< 0.00005					
Apr-22	Chromium (trivalent)	(mg/L)	Quarterly	1	13/04/2022	0.001	0.001	0.001					
Apr-22	Chromium (VI) Compounds	(mg/L)	Quarterly	1	13/04/2022	< 0.001	<0.001	< 0.001					
Apr-22	Copper	(mg/L)	Quarterly	1	13/04/2022	0.0061	0.0061	0.0061					
Apr-22	Electrical Conductivity	(us/cm)	Quarterly	1	13/04/2022	815	815	815					
Apr-22	Iron	(mg/L)	Quarterly	1	13/04/2022	5.68	5.68	5.68					
Apr-22	Lead	(mg/L)	Quarterly	1	13/04/2022	0.0012	0.0012	0.0012					
Apr-22	Magnesium	(mg/L)	Quarterly	1	13/04/2022	12	12	12					
Apr-22	Manganese	(mg/L)	Quarterly	1	13/04/2022	0.0747	0.0747	0.0747					
Apr-22	Nickel	(mg/L)	Quarterly	1	13/04/2022	0.0061	0.0061	0.0061					
Apr-22	pH	pH	Quarterly	1	13/04/2022	5.91	5.91	5.91					
Apr-22	Potassium	(mg/L)	Quarterly	1	13/04/2022	2	2	2					
Apr-22	Selenium	(mg/L)	Quarterly	1	13/04/2022	<0.0002	<0.0002	<0.0002					
Apr-22	Sodium	(mg/L)	Quarterly	1	13/04/2022	120	120	120					
Apr-22	Standing Water Level	(m)	Quarterly	1	13/04/2022	0.55	0.55	0.55					
Apr-22	Vanadium	(mg/L)	Quarterly	1	13/04/2022	0.0020	0.0020	0.0020					
Apr-22	Zinc	(mg/L)	Quarterly	1	13/04/2022	0.030	0.030	0.030					

GENERAL COMMENTS

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