## **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	October 2020	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). 99 Percentile 100 Percentile Pollutant Unit of Measure | Sample/Measurement Frequenc (yes/no) Month Analysed **Date Sampled** Value Samples Value Limit Limit Comments Oct-20 Cadmium (mg/m3) Every 6 months 0.2 Oct-20 Chlorine (mg/m3) Every 6 months 20 Oct-20 (mg/m3) Every 6 months 30 (mg/m3) 50 Oct-20 Hydrogen chloride Every 6 months Oct-20 Mercury (mg/m3) Every 6 months 0.05 99.7% Oct-20 718 1100 1500 No 376 535 Oct-20 Nitrogen Oxides (mg/m3) Continuous Solid Particles (mg/m3) Quarterly Oct-20 Sulfur dioxide (mg/m3) Continuous 99.7% Oct-20 517 663 874 1400 1700 No Oct-20 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months 100 Oct-20 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.75 VOC's as n-propane equivalent (mg/m3) Every 6 months 10

POINT 3	Combined air emissions from boiler 6 via Points 8 to	11 to Point 1 marked	and shown as EPA ID 3 on The Plan	s ("VX837351-	1 AND "VX837351	-2" 03/06/2020 EF	A REFERENCE DO	C20/476695 AND	DOC20/476695-	1).		
				Samples					99 Percentile	100 Percentile		
				Collected &		<b>Lowest Sample</b>	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
Oct-20	Cadmium	(mg/m3)	Every 6 months							0.2		
Oct-20	Chlorine	(mg/m3)	Every 6 months							20		
Oct-20	Fluorine	(mg/m3)	Every 6 months							30		
Oct-20	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Oct-20	Mercury	(mg/m3)	Every 6 months							0.05		
Oct-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Oct-20	480	747	876	1100	1500	No	The 99th percentile limit does not apply until 31/1/2021
Oct-20	Solid Particles	(mg/m3)	Quarterly							50		
Oct-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Oct-20	393	606	736	1400	1700	No	
Oct-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Oct-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10		

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Carbon dioxide	(%)	Every 6 months									
Oct-20	Chlorine	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Fluorine	(mg/m3)	Every 6 months									
Oct-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									_
Oct-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 5	Boiler number 5 exhaust - duct B marked and shown	as EPA ID 5 on The Pl	ans ("VX837351-1 AND "VX837351-	2" 03/06/202	DEPA REFERENCE	DOC20/476695 AN	D DOC20/47669	5-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Boiler number 5 exhaust - duct C marked and shown a	as EPA ID 6 on The Pla	ans ("VX837351-1 AND "VX837351-	2" 03/06/2020	D EPA REFERENCE	DOC20/476695 AN	ID DOC20/476695	5-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Carbon dioxide	(%)	Every 6 months									
Oct-20	Chlorine	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Fluorine	(mg/m3)	Every 6 months									
Oct-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Oct-20	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 Pl	lans ("VX837351-1 AND "VX837351-	2" 03/06/202	O EPA REFERENCE	DOC20/476695 AN	ID DOC20/47669	5-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	<b>Highest Sample</b>	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 8	Boiler number 6 exhaust - duct A marked and show	n as EPA ID 8 on The P	ans ("VX837351-1 AND "VX837351-	-2" 03/06/202	O EPA REFERENCE	DOC20/476695 AN	ID DOC20/47669	5-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Carbon dioxide	(%)	Every 6 months									
Oct-20	Chlorine	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Fluorine	(mg/m3)	Every 6 months									
Oct-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Oct-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									-

POINT 9	Boiler number 6 exhaust - duct B marked and shown											
POINT 9	Boiler number 6 exhaust - duct B marked and shown	as EPA ID 9 on The P	Idiis ( VA63/331-1 AND  VA63/331-	Samples	O EL A REI EREIGEE	DOC20/470093 AIN	D DOC20/47003	5-1).	99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20	Cadmium	(mg/m3)	Every 6 months									
Oct-20	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
Oct-20	Mercury	(mg/m3)	Every 6 months									
Oct-20	Moisture	(%)	Continuous									Not required until 31 October 2021
Oct-20	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
Oct-20	Solid Particles	(mg/m3)	Quarterly									
Oct-20	Temperature	(°C)	Continuous									Not required until 31 October 2021
Oct-20	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
POINT 10	Boiler number 6 exhaust - duct C marked and shown	as EPA ID 10 on The	Plans ("VX837351-1 AND "VX837351		20 EPA REFERENCE	DOC20/476695 A	ND DOC20/47669	95-1).				
				Samples					99 Percentile	100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit	Exceedance	Comments
	Cadmium			Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Oct-20		(mg/m3)	Every 6 months									
Oct-20	Carbon dioxide	(%)	Every 6 months		-	<del>                                     </del>						
Oct-20	Chlorine	(mg/m3)	Every 6 months									Net remised method Ortobach 2004
Oct-20	Flow rate	(m3/s)	Continuous		-	<del>                                     </del>						Not required until 31 October 2021
Oct-20	Fluorine	(mg/m3)	Every 6 months			-						
Oct-20	Hydrogen chloride	(mg/m3)	Every 6 months									
Oct-20 Oct-20	Mercury Moisture	(mg/m3) (%)	Every 6 months Continuous		-			-				Not required until 31 October 2021
Oct-20 Oct-20		(%)	Continuous		-	<del>                                     </del>						Not required until 31 October 2021  Not required until 31 October 2021
	Oxygen (O2)				-			-				Not required until 31 October 2021
Oct-20	Solid Particles Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Quarterly		-			-				
Oct-20 Oct-20	Sulfuric acid mist and sulfur trioxide (as SO3)  Temperature	(mg/m3) (°C)	Every 6 months Continuous		1	1		-				Not required until 31 October 2021
	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									Not required until 31 October 2021
Oct-20 Oct-20	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
OC1-20	VOC 3 as 11-proparie equivalent	(1118/1113)	LVELY O IIIOIILIIS									
OINT 11	Boiler number 6 exhaust - duct D marked and show	n as EPA ID 11 on The	Plans ("VX837351-1 AND "VX837351	Samples	20 EPA REFERENCI				99 Percentile	100 Percentile	Evenadouse	
	Boiler number 6 exhaust - duct D marked and shows	n as EPA ID 11 on The Unit of Measure	Sample/Measurement Frequency		20 EPA REFERENCI	E DOC20/476695 A Lowest Sample Value	ND DOC20/47669  Mean of  Samples	95-1). Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
Month Oct-20	Pollutant Cadmium	Unit of Measure (mg/m3)	Sample/Measurement Frequency Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
Month Oct-20 Oct-20	Pollutant Cadmium Flow rate	Unit of Measure (mg/m3) (m3/s)	Sample/Measurement Frequency Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments  Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20	Pollutant Cadmium Flow rate Mercury	Unit of Measure (mg/m3) (m3/s) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20 Oct-20	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		Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2)	Unit of Measure (mg/m3) (m3/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		Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20	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		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) 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		Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20 Oct-20	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		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) 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 Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	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 Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	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 Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	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 Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration Limit		Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	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 Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit  D DOC20/476699  99 Percentile	Concentration Limit	(yes/no)  Exceedance (yes/no)	Not required until 31 October 2021  Not required until 31 October 2021  Not required until 31 October 2021
Month Det-20	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 B (p	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) Doints 4 and 5) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20	Lowest Sample Value	Mean of Samples  PA REFERENCE D  Mean of Samples  496	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653	Concentration Limit  D DOC20/476699  99 Percentile Concentration	Concentration Limit  5-1).  100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
Wonth Det-20	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 B (p	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) coints 4 and 5) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months	Samples Collected & Analysed  Ins ("VX83735 Samples Collected & Analysed	Date Sampled  1-1 AND "VX83735  Date Sampled	Lowest Sample Value  1-2" 03/06/2020 t  Lowest Sample Value	Mean of Samples  PA REFERENCE D  Mean of Samples	Highest Sample Value  OC20/476695 AND  Highest Sample Value	Concentration Limit  D DOC20/476699  99 Percentile Concentration	Concentration Limit  5-1).  100 Percentile Concentration	(yes/no)  Exceedance (yes/no)	Not required until 31 October 2021
Month Oct-20	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 B (p	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Analysed  Samples Collected & Analysed  100%	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20  Oct-20	Lowest Sample Value  1-2" 03/06/2020  Lowest Sample Value  346 440	Mean of Samples  PA REFERENCE D  Mean of Samples  496 599	Highest Sample Value  OC20/476695 AND  Highest Sample Value  653 831	Concentration Limit  D DOC20/476695  99 Percentile Concentration Limit	Concentration Limit  5-1).  100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Month Oct-20	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 B (p	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Analysed  Samples Collected & Analysed  100%	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20  Oct-20	Lowest Sample Value  1-2" 03/06/2020  Lowest Sample Value  346 440	Mean of Samples  PA REFERENCE D  Mean of Samples  496 599	Highest Sample Value  OC20/476695 AND  Highest Sample Value  653 831	Concentration Limit  D DOC20/476699  99 Percentile Concentration Limit	Concentration Limit  5-1).  100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Month Oct-20	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 B (p	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Analysed  Ins ("VX83735" Samples Collected & Analysed 100% 100%	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20  Oct-20	Lowest Sample Value  1-2" 03/06/2020  Lowest Sample Value  346 440	Mean of Samples  PA REFERENCE D  Mean of Samples  496 599	Highest Sample Value  OC20/476695 AND  Highest Sample Value  653 831	DOC20/476695	Concentration Limit  5-1).  100 Percentile Concentration Limit  -1).	Exceedance (yes/no) No	Not required until 31 October 2021
Month Oct-20	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 B (p	Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Samples Collected & Analysed  100% 100% 100% Samples Samples Samples Samples	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20  Oct-20	Lowest Sample Value  1-2" 03/06/2020 I  Lowest Sample Value  346 440  1-2" 03/06/2020 E	Mean of Samples  PA REFERENCE D  Mean of Samples  496 599  PA REFERENCE DI	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  DC20/476695 AND	DOC20/476695  DOC20/476695  99 Percentile  DOC20/476695	Concentration Limit  5-1).  100 Percentile Concentration Limit  100 Percentile	Exceedance (yes/no) No No	Not required until 31 October 2021  Not required until 31 October 2021
Month Oct-20	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 B (p	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (°C) (mg/m3)  coints 4 and 5) marked Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed  Analysed  Samples Collected & Analysed  100%  100%  Samples Collected &	Date Sampled  1-1 AND "VX83735  Date Sampled  Oct-20  Oct-20  -1 AND "VX83735	Lowest Sample Value  1-2" 03/06/2020 E  Lowest Sample Value 346 440  1-2" 03/06/2020 E  Lowest Sample	Mean of Samples  PA REFERENCE D  Mean of Samples 496 599  PA REFERENCE DI  Mean of	Highest Sample Value  OC20/476695 AND Highest Sample Value 653 831  OC20/476695 AND Highest Sample	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Concentration Concentration	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Concentration	Exceedance (yes/no) No No	Not required until 31 October 2021  Comments
Month Det-20 DiNT 12  Month Det-20 Det-20 DinT 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 B (p	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) ((c) (mg/m3) (°C) (mg/m3) (onts 4 and 5) marked Unit of Measure Unit of Measure Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Ins ("VX837355 Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled	Lowest Sample Value  1-2" 03/06/2020 E  Lowest Sample Value 346 440  1-2" 03/06/2020 E  Lowest Sample Value	Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value	DOC20/476695  DOC20/476695  99 Percentile  DOC20/476695	Concentration Limit  5-1).  100 Percentile Concentration Limit  100 Percentile	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021
Month Det-20 Dint 12  Month Det-20 Dint 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 B (p  Pollutant Nitrogen Oxides  Boiler number 5 combined exhaust - duct C and D (p	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) coints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Plate Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Samples Collected & Analysed  100% 100% SirvX837353 Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100% 100	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20  Date Sampled Oct-20 Oct-20	Lowest Sample Value  1-2" 03/06/2020 t  Lowest Sample Value  346 440  1-2" 03/06/2020 t  Lowest Sample Value 393	Mean of Samples  PA REFERENCE D  Mean of Samples 496 599  PA REFERENCE DI  Mean of Samples 575	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Concentration Concentration	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Concentration	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021  Comments
Month Det-20 Dint 12  Month Det-20 Dint 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 B (p	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) ((c) (mg/m3) (°C) (mg/m3) (onts 4 and 5) marked Unit of Measure Unit of Measure Unit of Measure	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed  Ins ("VX837355 Samples Collected & Analysed 100% Samples Collected & Analysed Analysed Analysed	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled	Lowest Sample Value  1-2" 03/06/2020 E  Lowest Sample Value 346 440  1-2" 03/06/2020 E  Lowest Sample Value	Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Concentration Concentration	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Concentration	Exceedance (yes/no) No No Exceedance (yes/no)	Not required until 31 October 2021  Comments
Month Oct-20	Pollutant  Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and B (p  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Ins ("VX83735 Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled Oct-20 Oct-20	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E  Lowest Sample Value 333 591	Mean of Samples  Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828 935	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  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
Month Oct-20 Oint 12  Month Oct-20	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 B (p  Pollutant Nitrogen Oxides  Boiler number 5 combined exhaust - duct C and D (p	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Ins ("VX83735 Samples Collected & Analysed 100% Samples Collected & Analysed 100% 100% 100%	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled Oct-20 Oct-20	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E  Lowest Sample Value 333 591	Mean of Samples  Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828 935	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  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
Month Oct-20	Pollutant  Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and B (p  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Analysed  Samples Collected & Analysed  100% 100% 100% Samples Collected & Analysed 100% 100% 100% 100% 100% 100% 100% 100	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled Oct-20 Oct-20	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E  Lowest Sample Value 333 591	Mean of Samples  Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828 935	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Limit  Limit	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit  11.	Exceedance (yes/no) No No Exceedance (yes/no) No No	Not required until 31 October 2021  Comments
Month Oct-20	Pollutant  Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and B (p  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Ins ("VX83735" Samples Collected & Analysed  100% Samples Collected & Analysed  100% Samples	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled Oct-20 Oct-20	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E  Lowest Sample Value 393 591  1-2" 03/06/2020 E	Mean of Samples  PA REFERENCE DI  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727  PA REFERENCE DI	Highest Sample Value  OC20/476695 AND  Highest Sample Value  653 831  OC20/476695 AND  Highest Sample Value 828 935  OC20/476695 AND	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Limit  DOC20/476695	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit	Exceedance (yes/no) No No No	Not required until 31 October 2021  Comments
Month Oct-20 Oint 12  Month Oct-20 Oct-20 Oint 13  Month Oct-20 Oct-20 Oct-20 Oint 14  Month	Pollutant  Cadmium Flow rate Mercury Moisture Oxygen (02) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and B (p  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide  Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked Unit of Measure (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (oints 6 and 7) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months i and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous I and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous I and shownas EPA ID 13 on The Pla	Samples Collected & Analysed  Samples Collected & Analysed  100% 100% 100% 100% 100% 100% 100% Samples Collected & Analysed 100% 100% 100% 100% 100% Collected & C	Date Sampled  1-1 AND "VX83735  Date Sampled Oct-20 Oct-20 -1 AND "VX83735  Date Sampled Oct-20 Oct-20	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E  Lowest Sample Value 333 591	Mean of Samples  Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828 935	DOC20/476695  DOC20/476695	Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit  11.	Exceedance (yes/no) No No No Exceedance (yes/no) No No Exceedance (yes/no) No Exceedance	Not required until 31 October 2021  Comments
Month Oct-20	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 B (p  Pollutant  Nitrogen Oxides Sulfur dioxide  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and D (p	Unit of Measure (mg/m3) (m3/s) (%) (%) (%) (%) (rC) (mg/m3) (°C) (mg/m3) (oints 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months  I and shown as EPA ID 12 on The Pla Sample/Measurement Frequency Continuous	Samples Collected & Analysed  Ins ("VX83735" Samples Collected & Analysed  100% Samples Collected & Analysed  100% Samples	Date Sampled  1-1 AND "VX83735  Date Sampled	Lowest Sample Value  Lowest Sample Value  346 440  1-2" 03/06/2020 E Lowest Sample Value 393 591  Lowest Sample Lowest Sample Value Lowest Sample Value Lowest Sample Value Lowest Sample Value	Mean of Samples  Mean of Samples  Mean of Samples  496 599  PA REFERENCE DI  Mean of Samples 575 727  PA REFERENCE DI  Mean of Mean of Mean of Samples	Highest Sample Value  OC20/476695 AND  Highest Sample Value 653 831  OC20/476695 AND  Highest Sample Value 828 935  OC20/476695 AND  Highest Sample Value 828	DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Limit  DOC20/476695  99 Percentile Concentration Limit  Concentration Limit	Concentration Limit  5-1).  100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit	Exceedance (yes/no) No No No	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	
Oct-20	Nitrogen Oxides	(mg/m3)	Continuous	100%	Oct-20	470	775	893			No		
Oct-20	Sulfur dioxide	(mg/m3)	Continuous	100%	Oct-20	336	580	724			No		

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

		·		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
Oct-20	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	7/10/2020	<0.1	<0.1	<0.1		0.2	No	
Oct-20	Copper	(mg/L)	Monthly during discharge	1	7/10/2020	0.007	0.007	0.007		0.005	Yes	EPA notified of non-compliance.
Oct-20	Iron	(mg/L)	Monthly during discharge	1	7/10/2020	0.505	0.505	0.505		0.3	Yes	EPA notified of non-compliance.
Oct-20	Oil and Grease	Visible	Continuous during discharge	100%	Oct-20	NIL	NIL	NIL				
Oct-20	Selenium	(mg/L)	Monthly during discharge	1	7/10/2020	<0.002	<0.002	< 0.002		0.005	No	
Oct-20	Temperature	(°C)	Continuous during discharge	100%	Oct-20	24.0	29.2	31.8	35	37.5	No	

POINT 23 Discharge of supernatant water from the ash dam to the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 23 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). 99 Percentile 100 Percentile Collected & Lowest Sample Mean of **Highest Sample** Concentration Concentration Month Pollutant Unit of Measure Sample/Measurement Frequency Analysed **Date Sampled** Value Samples Value Limit (yes/no) Comments Oct-20 Aluminium (mg/L) Monthly during discharge 7/10/2020 0.082 0.082 0.082 Monthly during discharge Oct-20 Ammonia (mg/L) 7/10/2020 < 0.10 <0.10 < 0.10 <0.005 Arsenic (III) < 0.005 Oct-20 (mg/L) Monthly during discharge 7/10/2020 < 0.005 Oct-20 Arsenic (V) (mg/L) Monthly during discharge 7/10/2020 < 0.005 <0.005 < 0.005 Oct-20 Cadmium (mg/L) Monthly during discharge 7/10/2020 < 0.0002 < 0.0002 <0.0002 7/10/2020 < 0.001 Chromium (trivalent) Monthly during discharge < 0.001 < 0.001 Oct-20 (mg/L) Oct-20 Chromium (VI) Compounds (mg/L) Monthly during discharge 7/10/2020 0.003 0.003 0.003 Oct-20 (mg/L) Monthly during discharge 7/10/2020 0.001 0.001 0.001 Copper Oct-20 Iron (mg/L) Monthly during discharge 7/10/2020 0.24 0.24 0.24 7/10/2020 0.0002 0.0002 0.0002 Oct-20 Lead (mg/L) Monthly during discharge 7/10/2020 0.049 0.049 0.049 Oct-20 Manganese (mg/L) Monthly during discharge Monthly during discharge 7/10/2020 0.0011 0.0011 0.0011 Oct-20 Nickel (mg/L) Oct-20 Nitrate + nitrite (oxidised nitrogen) (mg/L) Monthly during discharge 7/10/2020 0.06 0.06 0.06 Monthly during discharge 7/10/2020 <0.5 <0.5 <0.5 Oct-20 Nitrogen (mg/L) Oct-20 рН Monthly during discharge 7/10/2020 6.95 6.95 6.95 6.5 - 9.5 No Monthly during discharge Oct-20 Phosphorus (mg/L) 7/10/2020 0.3 0.3 0.3 Oct-20 Reactive Phosphorus (mg/L) Monthly during discharge 7/10/2020 0.02 0.02 0.02 0.034 0.034 Oct-20 Monthly during discharge 7/10/2020 0.034 Selenium (mg/L) Oct-20 Total Kjeldahl Nitrogen (mg/L) Monthly during discharge 7/10/2020 <0.5 <0.5 <0.5 Monthly during discharge 7/10/2020 No Oct-20 Total Suspended Solids (mg/L) 6 50 0.0279 Oct-20 Vanadium (mg/L) Monthly during discharge 7/10/2020 0.0279 0.0279 Oct-20 Zinc Monthly during discharge 7/10/2020 0.008 0.008 0.008 (mg/L)

POINT 24	Discharge of seepage water from the ash dam rehabi	litation area to Mann	ering Bay marked and shown as EP	A ID 24 on The	e Plans ("VX83735	1-1 AND "VX83735	1-2" 03/06/2020	EPA REFERENCE D	OC20/476695 A	ND DOC20/4766	95-1).	
	Delladare	Heit of Manager	S	Samples Collected &	Data Canadad	Lowest Sample	Mean of	Highest Sample	Discharge (yes/no)	100 Percentile Concentration	Exceedance	Comments.
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value		Limit	(yes/no)	Comments
Oct-20	Aluminium	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Ammonia	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Arsenic (III)	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Arsenic (V)	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Cadmium	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Copper	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Iron	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Lead	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Manganese	(mg/L)	Monthly during discharge	1	7/10/2020				No			No discharge from EPA Point 24 during October 2020
Oct-20	Nickel	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Nitrogen	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	pH	pН	Monthly during discharge	1	7/10/2020				No	6.5 - 9.5		
Oct-20	Phosphorus	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Selenium	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Total Suspended Solids	(mg/L)	Monthly during discharge	1	7/10/2020				No	50		
Oct-20	Vanadium	(mg/L)	Monthly during discharge	1	7/10/2020				No			
Oct-20	Zinc	(mg/L)	Monthly during discharge	1	7/10/2020				No			

POINT 25	Discharge of over boarded water from the ash d	am to Mannering Bay mai	rked and shown as EPA ID 25 on The	e Plans ("VX83	7351-1 AND "VX8	37351-2" 03/06/20	20 EPA REFEREN	ICE DOC20/476695	AND DOC20/47	6695-1).		
Month	Pollutant	Unit of Manager	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample	Mean of Samples	Highest Sample	Discharge (yes/no)	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
				Analyseu	Date Sampled	value	Samples	value	No	Limit	(yes/no)	Comments
Oct-20	Aluminium	(mg/L)	Daily for any discharge >2 hrs									
Oct-20	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Lead	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during October 2020
Oct-20	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	рН	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
Oct-20	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs				·		No			_
Oct-20	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
Oct-20	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
Oct-20	Zinc	(mg/L)	Daily for any discharge >2 hrs						No			

POINT 30	Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					99 Percentile	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Oct-20	Aluminium	(mg/L)	Quarterly	1	7/10/2020	1.26	1.26	1.26					
Oct-20	Ammonia	(mg/L)	Quarterly	1	7/10/2020	3.44	3.44	3.44					
Oct-20	Arsenic (III)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	< 0.005	< 0.005					
Oct-20	Arsenic (V)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	< 0.005	< 0.005					
Oct-20	Cadmium	(mg/L)	Quarterly	1	7/10/2020	< 0.0002	<0.0002	< 0.0002					
Oct-20	Chromium (trivalent)	(mg/L)	Quarterly	1	7/10/2020	0.001	0.001	0.001					
Oct-20	Chromium (VI) Compounds	(mg/L)	Quarterly	1	7/10/2020	< 0.001	< 0.001	< 0.001					
Oct-20	Copper	(mg/L)	Quarterly	1	7/10/2020	0.003	0.003	0.003					
Oct-20	Electrical Conductivity	(us/cm)	Quarterly	1	7/10/2020	28600	28600	28600					
Oct-20	Iron	(mg/L)	Quarterly	1	7/10/2020	73.9	73.9	73.9					
Oct-20	Lead	(mg/L)	Quarterly	1	7/10/2020	0.0025	0.0025	0.0025					
Oct-20	Magnesium	(mg/L)	Quarterly	1	7/10/2020	583	583	583					
Oct-20	Manganese	(mg/L)	Quarterly	1	7/10/2020	3.98	3.98	3.98					
Oct-20	Nickel	(mg/L)	Quarterly	1	7/10/2020	0.017	0.017	0.017					
Oct-20	pH	pН	Quarterly	1	7/10/2020	6.16	6.16	6.16					
Oct-20	Potassium	(mg/L)	Quarterly	1	7/10/2020	98	98	98					
Oct-20	Selenium	(mg/L)	Quarterly	1	7/10/2020	<0.002	< 0.002	<0.002					
Oct-20	Sodium	(mg/L)	Quarterly	1	7/10/2020	3920	3920	3920					
Oct-20	Standing Water Level	(m)	Quarterly	1	7/10/2020	3.87	3.87	3.87					
Oct-20	Vanadium	(mg/L)	Quarterly	1	7/10/2020	0.0024	0.0024	0.0024					
Oct-20	Zinc	(mg/L)	Quarterly	1	7/10/2020	0.02	0.02	0.02					

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													
				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	
Oct-20	Aluminium	(mg/L)	Quarterly	1	7/10/2020	0.90	0.90	0.90					
Oct-20	Ammonia	(mg/L)	Quarterly	1	7/10/2020	0.08	0.08	0.08					
Oct-20	Arsenic (III)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	<0.005	<0.005					
Oct-20	Arsenic (V)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	<0.005	< 0.005					
Oct-20	Cadmium	(mg/L)	Quarterly	1	7/10/2020	0.00016	0.00016	0.00016					
Oct-20	Chromium (trivalent)	(mg/L)	Quarterly	1	7/10/2020	0.001	0.001	0.001					
Oct-20	Chromium (VI) Compounds	(mg/L)	Quarterly	1	7/10/2020	< 0.001	< 0.001	< 0.001					
Oct-20	Copper	(mg/L)	Quarterly	1	7/10/2020	0.018	0.018	0.018					
Oct-20	Electrical Conductivity	(us/cm)	Quarterly	1	7/10/2020	19700	19700	19700					
Oct-20	Iron	(mg/L)	Quarterly	1	7/10/2020	121.0	121.0	121.0					
Oct-20	Lead	(mg/L)	Quarterly	1	7/10/2020	0.0068	0.0068	0.0068					
Oct-20	Magnesium	(mg/L)	Quarterly	1	7/10/2020	495	495	495					
Oct-20	Manganese	(mg/L)	Quarterly	1	7/10/2020	2.28	2.28	2.28					
Oct-20	Nickel	(mg/L)	Quarterly	1	7/10/2020	0.082	0.082	0.082					
Oct-20	рН	pH	Quarterly	1	7/10/2020	5.76	5.76	5.76					
Oct-20	Potassium	(mg/L)	Quarterly	1	7/10/2020	45	45	45					
Oct-20	Selenium	(mg/L)	Quarterly	1	7/10/2020	0.002	0.002	0.002					
Oct-20	Sodium	(mg/L)	Quarterly	1	7/10/2020	2760	2760	2760					
Oct-20	Standing Water Level	(m)	Quarterly	1	7/10/2020	0.80	0.80	0.80					
Oct-20	Vanadium	(mg/L)	Quarterly	1	7/10/2020	0.0021	0.0021	0.0021					
Oct-20	Zinc	(mg/L)	Quarterly	1	7/10/2020	1.16	1.16	1.16					

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).											
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of	Highest Sample Value		100 Percentile Concentration Limit		Comments
Oct-20	Aluminium	(mg/L)	Quarterly	1	7/10/2020	1.59	1.59	1.59			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Oct-20	Ammonia	(mg/L)	Quarterly	1	7/10/2020	0.04	0.04	0.04				
Oct-20	Arsenic (III)	(mg/L)	Quarterly	1	7/10/2020	<0.0005	<0.0005	<0.0005				
Oct-20	Arsenic (V)	(mg/L)	Quarterly	1	7/10/2020	< 0.0005	<0.0005	<0.0005				
Oct-20	Cadmium	(mg/L)	Quarterly	1	7/10/2020	< 0.00005	< 0.00005	< 0.00005				
Oct-20	Chromium (trivalent)	(mg/L)	Quarterly	1	7/10/2020	< 0.001	<0.001	< 0.001				
Oct-20	Chromium (VI) Compounds	(mg/L)	Quarterly	1	7/10/2020	0.002	0.002	0.002				
Oct-20	Copper	(mg/L)	Quarterly	1	7/10/2020	0.0041	0.0041	0.0041				
Oct-20	Electrical Conductivity	(us/cm)	Quarterly	1	7/10/2020	986	986	986				
Oct-20	Iron	(mg/L)	Quarterly	1	7/10/2020	5.76	5.76	5.76				
Oct-20	Lead	(mg/L)	Quarterly	1	7/10/2020	0.0036	0.0036	0.0036				
Oct-20	Magnesium	(mg/L)	Quarterly	1	7/10/2020	12	12	12				
Oct-20	Manganese	(mg/L)	Quarterly	1	7/10/2020	0.08	0.08	0.08				
Oct-20	Nickel	(mg/L)	Quarterly	1	7/10/2020	0.01	0.01	0.01				
Oct-20	pH	pH	Quarterly	1	7/10/2020	6.76	6.76	6.76				
Oct-20	Potassium	(mg/L)	Quarterly	1	7/10/2020	2	2	2				
Oct-20	Selenium	(mg/L)	Quarterly	1	7/10/2020	0.0003	0.0003	0.0003				
Oct-20	Sodium	(mg/L)	Quarterly	1	7/10/2020	97	97	97				
Oct-20	Standing Water Level	(m)	Quarterly	1	7/10/2020	2.61	2.61	2.61				
Oct-20	Vanadium	(mg/L)	Quarterly	1	7/10/2020	0.003	0.003	0.003				
Oct-20	Zinc	(mg/L)	Quarterly	1	7/10/2020	0.015	0.015	0.015				

POINT 33	DINT 33 Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					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	
Oct-20	Aluminium	(mg/L)	Quarterly	1	7/10/2020	54.70	54.70	54.70					
Oct-20	Ammonia	(mg/L)	Quarterly	1	7/10/2020	0.40	0.40	0.40					
Oct-20	Arsenic (III)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	<0.005	< 0.005					
Oct-20	Arsenic (V)	(mg/L)	Quarterly	1	7/10/2020	< 0.005	<0.005	< 0.005					
Oct-20	Cadmium	(mg/L)	Quarterly	1	7/10/2020	0.003	0.003	0.003					
Oct-20	Chromium (trivalent)	(mg/L)	Quarterly	1	7/10/2020	0.029	0.029	0.029					
Oct-20	Chromium (VI) Compounds	(mg/L)	Quarterly	1	7/10/2020	< 0.01	< 0.01	< 0.01					
Oct-20	Copper	(mg/L)	Quarterly	1	7/10/2020	0.05	0.05	0.05					
Oct-20	Electrical Conductivity	(us/cm)	Quarterly	1	7/10/2020	48700	48700	48700					
Oct-20	Iron	(mg/L)	Quarterly	1	7/10/2020	358	358	358					
Oct-20	Lead	(mg/L)	Quarterly	1	7/10/2020	0.0905	0.0905	0.0905					
Oct-20	Magnesium	(mg/L)	Quarterly	1	7/10/2020	1310	1310	1310					
Oct-20	Manganese	(mg/L)	Quarterly	1	7/10/2020	0.790	0.790	0.790					
Oct-20	Nickel	(mg/L)	Quarterly	1	7/10/2020	0.0972	0.0972	0.0972					
Oct-20	рН	pH	Quarterly	1	7/10/2020	6.52	6.52	6.52				_	
Oct-20	Potassium	(mg/L)	Quarterly	1	7/10/2020	286	286	286				-	
Oct-20	Selenium	(mg/L)	Quarterly	1	7/10/2020	0.007	0.007	0.007					
Oct-20	Sodium	(mg/L)	Quarterly	1	7/10/2020	9680	9680	9680					
Oct-20	Standing Water Level	(m)	Quarterly	1	7/10/2020	-0.05	-0.05	-0.05					

0.106

0.534

7/10/2020

7/10/2020

0.106

0.534

0.106

0.534

Vanadium

Zinc

Oct-20

Oct-20

(mg/L) (mg/L) Quarterly

Quarterly

POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples					99 Percentile	100 Percentile		
				Collected &		<b>Lowest Sample</b>	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
Oct-20	Aluminium	(mg/L)	Quarterly	1	7/10/2020	11.9	11.9	11.9				
Oct-20	Ammonia	(mg/L)	Quarterly	1	7/10/2020	0.03	0.03	0.03				
Oct-20	Arsenic (III)	(mg/L)	Quarterly	1	7/10/2020	<0.0005	<0.0005	< 0.0005				
Oct-20	Arsenic (V)	(mg/L)	Quarterly	1	7/10/2020	<0.0005	<0.0005	<0.0005				
Oct-20	Cadmium	(mg/L)	Quarterly	1	7/10/2020	0.00013	0.00013	0.00013				
Oct-20	Chromium (trivalent)	(mg/L)	Quarterly	1	7/10/2020	0.018	0.018	0.018				
Oct-20	Chromium (VI) Compounds	(mg/L)	Quarterly	1	7/10/2020	<0.001	< 0.001	< 0.001				
Oct-20	Copper	(mg/L)	Quarterly	1	7/10/2020	0.015	0.015	0.015				
Oct-20	Electrical Conductivity	(us/cm)	Quarterly	1	7/10/2020	1290	1290	1290				
Oct-20	Iron	(mg/L)	Quarterly	1	7/10/2020	10.3	10.3	10.3				
Oct-20	Lead	(mg/L)	Quarterly	1	7/10/2020	0.0111	0.0111	0.0111				
Oct-20	Magnesium	(mg/L)	Quarterly	1	7/10/2020	12	12	12				
Oct-20	Manganese	(mg/L)	Quarterly	1	7/10/2020	0.0994	0.0994	0.0994				
Oct-20	Nickel	(mg/L)	Quarterly	1	7/10/2020	0.019	0.019	0.019				
Oct-20	pH	pН	Quarterly	1	7/10/2020	6.64	6.64	6.64				
Oct-20	Potassium	(mg/L)	Quarterly	1	7/10/2020	3	3	3				
Oct-20	Selenium	(mg/L)	Quarterly	1	7/10/2020	0.002	0.002	0.002				
Oct-20	Sodium	(mg/L)	Quarterly	1	7/10/2020	115	115	115				
Oct-20	Standing Water Level	(m)	Quarterly	1	7/10/2020	0.14	0.14	0.14				
Oct-20	Vanadium	(mg/L)	Quarterly	1	7/10/2020	0.0306	0.0306	0.0306				
Oct-20	Zinc	(mg/L)	Quarterly	1	7/10/2020	0.092	0.092	0.092				

GENERAL COMMENTS