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	May 2021	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). POINT 2 99 Percentile 100 Percentile Unit of Measure (yes/no) Month Pollutant Analysed **Date Sampled** Value Samples Value Limit Limit Comments May-21 Cadmium (mg/m3) Every 6 months 0.2 May-21 Chlorine (mg/m3) Every 6 months 20 May-21 (mg/m3) Every 6 months 30 Every 6 months 50 May-21 Hydrogen chloride (mg/m3) May-21 Mercury (mg/m3) Every 6 months 0.05 99.1% 609 1100 1500 May-21 206 736 No May-21 Nitrogen Oxides (mg/m3) Continuous May-21 Solid Particles (mg/m3) Sulfur dioxide (mg/m3) Continuous 99.1% May-21 311 740 931 1400 1700 No May-21 May-21 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) Every 6 months 100 May-21 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.75 May-21 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	ns ("VX837351	-1 AND "VX837351	L-2" 03/06/2020 EI	PA REFERENCE D	OC20/476695 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
May-21	Cadmium	(mg/m3)	Every 6 months							0.2		
May-21	Chlorine	(mg/m3)	Every 6 months							20		
May-21	Fluorine	(mg/m3)	Every 6 months							30		
May-21	Hydrogen chloride	(mg/m3)	Every 6 months							50		
May-21	Mercury	(mg/m3)	Every 6 months							0.05		
May-21	Nitrogen Oxides	(mg/m3)	Continuous		May-21				1100	1500	No	Unit 6 was out of service for the entire month of May 2021
May-21	Solid Particles	(mg/m3)	Quarterly							50		
May-21	Sulfur dioxide	(mg/m3)	Continuous		May-21				1400	1700	No	
May-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
May-21	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 The F	Plans ("VX837351-1 AND "VX837351	-2" 03/06/20	20 EPA REFERENCE	DOC20/476695 At	ND DOC20/47669	95-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Carbon dioxide	(%)	Every 6 months									
May-21	Chlorine	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Fluorine	(mg/m3)	Every 6 months									
May-21	Hydrogen chloride	(mg/m3)	Every 6 months									
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
May-21	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 P	lans ("VX837351-1 AND "VX837351	-2" 03/06/202	0 EPA REFERENCE	DOC20/476695 AI	ND DOC20/47669	95-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Temperature	(°C)	Continuous				·					Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

POINT 6	Boiler number 5 exhaust - duct C marked and shown	as EPA ID 6 on The P	lans ("VX837351-1 AND "VX837351	-2" 03/06/202	0 EPA REFERENCE	DOC20/476695 At	ND DOC20/47669	95-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Carbon dioxide	(%)	Every 6 months									
May-21	Chlorine	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Fluorine	(mg/m3)	Every 6 months									
May-21	Hydrogen chloride	(mg/m3)	Every 6 months									
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
May-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									_

POINT 7	Boiler number 5 exhaust - duct D marked and show	n as EPA ID 7 on The P	lans ("VX837351-1 AND "VX837351	-2" 03/06/20	20 EPA REFERENCE	DOC20/476695 AI	ND DOC20/47669	95-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency			Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	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 F	Plans ("VX837351-1 AND "VX837351	-2" 03/06/20:	0 EPA REFERENCE	DOC20/476695 AI	ND DOC20/47669	95-1).				
				Samples						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Carbon dioxide	(%)	Every 6 months									
May-21	Chlorine	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Fluorine	(mg/m3)	Every 6 months									
May-21	Hydrogen chloride	(mg/m3)	Every 6 months									
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				•					
May-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

POINT 9	Boiler number 6 exhaust - duct B marked and show	vn as EPA IL) 4 on Ino D	lans ("VX837351-1 AND "VX827251	-2" 03/06/70.	O FAU KEFFKEMLE	DOC20/476695 A	ND DOCZN/47669	5-1).				
OINT 9	Boller number 6 exhaust - duct 6 marked and show	VII as EPA ID 9 OII THE P	Juli2 (AV02\2221-1 WIND AV02\2221	Samples	O EPA REFERENCE	DOC20/476695 A	ND DOC20/47669	5-1).	99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Cadmium	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
OINT 10	Boiler number 6 exhaust - duct C marked and show	n as EPA ID 10 on The	Plans ("VX83/351-1 AND "VX83/35		20 EPA REFERENC	E DOC20/4/6695 A	ND DOC20/4/66	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 (yes/no)	Comments
May-21	Cadmium	(mg/m3)		Analysed	Date Sampled	value	Samples	value	Limit	Limit	(yes/no)	Comments
May-21	Carbon dioxide	(%)	Every 6 months Every 6 months									
May-21	Chlorine	(mg/m3)	Every 6 months									
May-21	Flow rate	(m3/s)	Continuous									Not required until 31 October 2021
May-21	Fluorine	(m3/s) (mg/m3)	Every 6 months									Not required until 51 October 2021
May-21	Hydrogen chloride	(mg/m3)	Every 6 months									
May-21	Mercury	(mg/m3)	Every 6 months									
May-21	Moisture	(%)	Continuous									Not required until 31 October 2021
May-21	Oxygen (O2)	(%)	Continuous									Not required until 31 October 2021 Not required until 31 October 2021
May-21	Solid Particles	(mg/m3)	Quarterly									Not required until 31 October 2021
May-21	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
May-21	Temperature	(°C)	Continuous									Not required until 31 October 2021
May-21	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									Not required until 51 October 2021
May-21	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
DINT 11	Boiler number 6 exhaust - duct D marked and show	vn as EPA ID 11 on The	Plans ("VX837351-1 AND "VX83735	Samples	020 EPA REFERENC				99 Percentile	100 Percentile	Evenedones	
OINT 11 Month	Boiler number 6 exhaust - duct D marked and shov	vn as EPA ID 11 on The Unit of Measure	Plans ("VX837351-1 AND "VX83735 Sample/Measurement Frequency	Samples Collected &		Lowest Sample	Mean of Samples	95-1). Highest Sample Value	99 Percentile Concentration Limit	100 Percentile Concentration Limit	Exceedance (yes/no)	Comments
				Samples	Date Sampled	Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance (yes/no)	Comments
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		Comments Not required until 31 October 2021
Month May-21 May-21 May-21	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 May-21 May-21	Pollutant Cadmium Flow rate	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%)	Sample/Measurement Frequency Every 6 months Continuous	Samples Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration		
Month May-21 May-21 May-21 May-21 May-21	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 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (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 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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 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 May-21 Way-21 Way-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Month May-21 Way-21 Way-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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 ans ("VX83735 Samples	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 May-21 Way-21 Way-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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		Not required until 31 October 2021 Not required until 31 October 2021 Not required until 31 October 2021
Month May-21 Way-21 Way-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21 May-21	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 ans ("VX83735 Samples	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit D DOC20/47669 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 May-21	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 (Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (°C) (mg/m3) (points 4 and 5) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0%	Date Sampled 51-1 AND "VX8373: Date Sampled May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399	Mean of Samples EPA REFERENCE I Mean of Samples 554	Highest Sample Value OC20/476695 AN Highest Sample Value 681	Concentration Limit D DOC20/47669 99 Percentile Concentration	Concentration Limit 5-1). 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021
Month May-21	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boller number 5 combined exhaust - duct A and B	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (*C) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed	Date Sampled	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value	Mean of Samples EPA REFERENCE I Mean of Samples	Highest Sample Value OC20/476695 AN Highest Sample Value	Concentration Limit D DOC20/47669 99 Percentile Concentration	Concentration Limit 5-1). 100 Percentile Concentration	(yes/no) Exceedance (yes/no)	Not required until 31 October 2021
Month May-21	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boller number 5 combined exhaust - duct A and B Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (points 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 d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0%	Date Sampled S1-1 AND "VX8373" Date Sampled May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431	Mean of Samples EPA REFERENCE I Mean of Samples 554 667	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843	Concentration Limit D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Month May-21	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 (Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (points 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 d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0%	Date Sampled S1-1 AND "VX8373" Date Sampled May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431	Mean of Samples EPA REFERENCE I Mean of Samples 554 667	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843	Concentration Limit D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021
Month May-21	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boller number 5 combined exhaust - duct A and B Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (points 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 d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0% 100.0%	Date Sampled S1-1 AND "VX8373" Date Sampled May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431	Mean of Samples EPA REFERENCE I Mean of Samples 554 667	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843	D DOC20/47669	Concentration Limit 5-1). 100 Percentile Concentration Limit 5-1).	Exceedance (yes/no) No	Not required until 31 October 2021
Month May-21	Pollutant Cadmium Flow rate Mercury Moisture Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate Boller number 5 combined exhaust - duct A and B Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (°C) (mg/m3) (points 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 d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Samples Samples Samples	Date Sampled S1-1 AND "VX8373" Date Sampled May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D	Highest Sample Value OC20/476695 AN Highest Sample Value 681 681 682 684 680 682 684 685	D DOC20/476699 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) No	Not required until 31 October 2021
Month May-21 OINT 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 B Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked Unit of Measure (mg/m3) (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pleasurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0% 100.0% Samples Collected & Collect	Date Sampled 51-1 AND "VX83733 Date Sampled May-21 May-21 1-1 AND "VX83735	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample	D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Month May-21 Month Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked (mg/m3) (mg/m3) (points 6 and 7) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0% 100.0% samples Collected & Analysed Analysed	Date Sampled 51-1 AND "VX8373: Date Sampled May-21 May-21 1-1 AND "VX83735	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D	Highest Sample Value DOC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value	D DOC20/476699 99 Percentile Concentration Limit	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 May-21 OINT 12 Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked (mg/m3) (mg/m3) (points 6 and 7) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous Continuous Continuous Continuous	Samples Collected & Analysed ans ("VX83735 Samples Collected & Analysed 100.0% 100.0% Samples Collected & Collect	Date Sampled 51-1 AND "VX83733 Date Sampled May-21 May-21 1-1 AND "VX83735 Date Sampled May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 61-2" 03/06/2020 Lowest Sample Value 499	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample	D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Month May-21 OINT 12 Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked (mg/m3) (mg/m3) (points 6 and 7) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 100.0% Analysed 100.0% 100.0% Samples Collected & Analysed 100.0% 100.0%	Date Sampled 51-1 AND "VX8373: Date Sampled May-21 May-21 1-1 AND "VX83735	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670	Highest Sample Value OC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value 804	D DOC20/47669 99 Percentile Concentration Limit	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Month May-21 Month Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) market (mg/m3) (mg/m3) (mg/m3) (mg/m3) (points 6 and 7) market Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 198.6%	Date Sampled Date Sampled May-21 May-21 LAND "VX83735 Date Sampled May-21 May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value 499 593	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670 818	Highest Sample Value DOC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value 804 931	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile Concentration Limit Limit	5-1). 100 Percentile Concentration Limit 5-1). 100 Percentile Concentration Limit	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) market (mg/m3) (mg/m3) (mg/m3) (mg/m3) (points 6 and 7) market Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 98.6% 98.6% 98.6%	Date Sampled Date Sampled May-21 May-21 LAND "VX83735 Date Sampled May-21 May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value 499 593	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670 818	Highest Sample Value DOC20/476695 AN Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value 804 931	D DOC20/476699 D DOC20/476699 Percentile Concentration Limit D DOC20/476699	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 5-1).	Exceedance (yes/no) No	Not required until 31 October 2021 Comments
Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) market (mg/m3) (mg/m3) (mg/m3) (mg/m3) (points 6 and 7) market Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 198.6% 98.6% 98.6% Samples Samples Samples Samples Samples Samples Samples Samples	Date Sampled Date Sampled May-21 May-21 LAND "VX83735 Date Sampled May-21 May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value 499 593 593	Mean of Samples Mean of Samples Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670 818	Highest Sample Value DOC20/476695 ANI Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value 804 804 931	D DOC20/47669: 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) No No No No No	Not required until 31 October 2021 Comments
Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 6 combined exhaust - duct A and B (Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) marked (mg/m3) (mg/m3) (mg/m3) (points 6 and 7) marked (mg/m3) (mg/m3) (points 8 and 9) marked	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous Continuous Continuous Continuous Continuous d and shownas EPA ID 13 on The Pla Sample/Measurement Frequency Continuous Continuous Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% 100.0% 98.6% 98.6% 98.6% Samples Collected & Analysed 98.6% Samples Collected & Samples Collected & Collected & Samples Collected & Collect	Date Sampled Si-1 AND "VX8373: Date Sampled May-21 1-1 AND "VX83735 Date Sampled May-21 May-21 AND "VX83735	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value 499 593 51-2" 03/06/2020 Lowest Sample Value 499 593	Mean of Samples EPA REFERENCE I Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670 818 EPA REFERENCE D	Highest Sample Value OCC20/476695 AN Highest Sample Value 681 843 OCC20/476695 ANI Highest Sample Value 804 931 OCC20/476695 ANI Highest Sample	D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669 99 Percentile Concentration Limit D DOC20/47669	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile Concentration	Exceedance (yes/no) No No Exceedance (yes/no) No No Exceedance (yes/no) No Exceedance	Not required until 31 October 2021 Comments Comments
Month May-21	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 (Pollutant Nitrogen Oxides Sulfur dioxide Boiler number 5 combined exhaust - duct C and D (Pollutant Nitrogen Oxides Sulfur dioxide	Unit of Measure (mg/m3) (m3/s) (mg/m3) (%) (%) (%) (mg/m3) (*C) (mg/m3) (points 4 and 5) market (mg/m3) (mg/m3) (mg/m3) (mg/m3) (points 6 and 7) market Unit of Measure (mg/m3) (mg/m3)	Sample/Measurement Frequency Every 6 months Continuous Every 6 months Continuous Continuous Quarterly Continuous Every 6 months d and shown as EPA ID 12 on The Pl Sample/Measurement Frequency Continuous	Samples Collected & Analysed Analysed Samples Collected & Analysed 100.0% 100.0% Samples Collected & Analysed 198.6% 98.6% 98.6% Samples Samples Samples Samples Samples Samples Samples Samples	Date Sampled Date Sampled May-21 May-21 LAND "VX83735 Date Sampled May-21 May-21 May-21	Lowest Sample Value 51-2" 03/06/2020 Lowest Sample Value 399 431 51-2" 03/06/2020 Lowest Sample Value 499 593 593	Mean of Samples Mean of Samples Mean of Samples 554 667 EPA REFERENCE D Mean of Samples 670 818	Highest Sample Value DOC20/476695 ANI Highest Sample Value 681 843 OC20/476695 ANI Highest Sample Value 804 804 931	D DOC20/47669: 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile Concentration Limit D DOC20/47669: 99 Percentile	Concentration Limit 5-1). 100 Percentile Concentration Limit 100 Percentile Concentration Limit 100 Percentile	Exceedance (yes/no) No No No No No	Not required until 31 October 2021 Comments

POINT 15	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
May-21	Nitrogen Oxides	(mg/m3)	Continuous		May-21						No	Unit 6 was out of service for the entire month of May 2021
May-21	Sulfur dioxide	(mg/m3)	Continuous		May-21						No	

POINT 22	T 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).													
				Samples					97 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		
May-21	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	11/05/2021	0.14	0.14	0.14		0.2	No			
May-21	Copper	(mg/L)	Monthly during discharge	1	11/05/2021	0.001	0.001	0.001		0.005	No			
May-21	Iron	(mg/L)	Monthly during discharge	1	11/05/2021	0.215	0.215	0.215		0.3	No			
May-21	Oil and Grease	Visible	Continuous during discharge	100%	May-21	NIL	NIL	NIL						
May-21	Selenium	(mg/L)	Monthly during discharge	1	11/05/2021	< 0.002	<0.002	< 0.002		0.005	No			

21.1

28.2

35.1

35

37.5 No

78 minutes > 97 percentile limit (35 degrees C) on 8/5/2021.

Continuous during discharge 100% May-21

May-21 Temperature

(°C)

POINT 23	Discharge of supernatant water from the ash dam to	the cooling water or	utlet canal to Wyee Bay marked and	d shown as EPA	A ID 23 on The Pla	ns ("VX837351-1 A	ND "VX837351-2	" 03/06/2020 EPA	REFERENCE DO	C20/476695 AND	DOC20/4766	95-1).
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Aluminium	(mg/L)	Monthly during discharge	1	11/05/2021	0.517	0.517	0.517				
May-21	Ammonia	(mg/L)	Monthly during discharge	1	11/05/2021	0.66	0.66	0.66				
May-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	11/05/2021	0.0008	0.0008	8000.0				
May-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	11/05/2021	0.0115	0.0115	0.0115				
May-21	Cadmium	(mg/L)	Monthly during discharge	1	11/05/2021	0.00012	0.00012	0.00012				
May-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	11/05/2021	0.011	0.011	0.011				
May-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	11/05/2021	0.004	0.004	0.004				
May-21	Copper	(mg/L)	Monthly during discharge	1	11/05/2021	0.0059	0.0059	0.0059				
May-21	Iron	(mg/L)	Monthly during discharge	1	11/05/2021	1.120	1.120	1.120				
May-21	Lead	(mg/L)	Monthly during discharge	1	11/05/2021	0.0011	0.0011	0.0011				
May-21	Manganese	(mg/L)	Monthly during discharge	1	11/05/2021	0.4910	0.4910	0.4910				
May-21	Nickel	(mg/L)	Monthly during discharge	1	11/05/2021	0.0070	0.0070	0.0070				
May-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	11/05/2021	0.20	0.20	0.20				
May-21	Nitrogen	(mg/L)	Monthly during discharge	1	11/05/2021	1.40	1.40	1.40				
May-21	pH	рН	Monthly during discharge	1	11/05/2021	8.04	8.04	8.04		6.5 - 9.5	No	
May-21	Phosphorus	(mg/L)	Monthly during discharge	1	11/05/2021	0.18	0.18	0.18				
May-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	11/05/2021	0.05	0.05	0.05				
May-21	Selenium	(mg/L)	Monthly during discharge	1	11/05/2021	0.0453	0.0453	0.0453				
May-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	11/05/2021	1.2	1.2	1.2				
May-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	11/05/2021	68	68	68		50	Yes	EPA notifed as per conditon R4.1 of the Vales Point EPL.
May-21	Vanadium	(mg/L)	Monthly during discharge	1	11/05/2021	0.0481	0.0481	0.0481				
May-21	Zinc	(mg/L)	Monthly during discharge	1	11/05/2021	0.066	0.066	0.066				

POINT 24	Discharge of seepage water from the ash dam reha	bilitation area to Man	nering Bay marked and shown as E	PA ID 24 on Th	e Plans ("VX83735	1-1 AND "VX83735	51-2" 03/06/202	O EPA REFERENCE D	OC20/476695	AND DOC20/476	695-1).	
				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/no)	Limit	(yes/no)	Comments
May-21	Aluminium	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Ammonia	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Arsenic (III)	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Arsenic (V)	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Cadmium	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Copper	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Iron	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Lead	(mg/L)	Monthly during discharge	1	11/05/2021				No			No discharge from EPA Point 24 during May 2021
May-21	Manganese	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Nickel	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Nitrogen	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	pH	pН	Monthly during discharge	1	11/05/2021				No	6.5 - 9.5		
May-21	Phosphorus	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	11/05/2021				No			_
May-21	Selenium	(mg/L)	Monthly during discharge	1	11/05/2021				No			
May-21	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	11/05/2021				No			_
May-21	Total Suspended Solids	(mg/L)	Monthly during discharge	1	11/05/2021				No	50		
May-21	Vanadium	(mg/L)	Monthly during discharge	1	11/05/2021				No			-
May-21	Zinc	(mg/L)	Monthly during discharge	1	11/05/2021				No			

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

POINT 30	Groundwater quality monitoring bore marked and shown as EPA ID 30 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Aluminium	(mg/L)	Quarterly									
May-21	Ammonia	(mg/L)	Quarterly									
May-21	Arsenic (III)	(mg/L)	Quarterly									
May-21	Arsenic (V)	(mg/L)	Quarterly									
May-21	Cadmium	(mg/L)	Quarterly									
May-21	Chromium (trivalent)	(mg/L)	Quarterly									
May-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-21	Copper	(mg/L)	Quarterly									
May-21	Electrical Conductivity	(us/cm)	Quarterly									
May-21	Iron	(mg/L)	Quarterly									
May-21	Lead	(mg/L)	Quarterly									Next sample due July 2021
May-21	Magnesium	(mg/L)	Quarterly									
May-21	Manganese	(mg/L)	Quarterly									
May-21	Nickel	(mg/L)	Quarterly									
May-21	pH	pH	Quarterly									
May-21	Potassium	(mg/L)	Quarterly									
May-21	Selenium	(mg/L)	Quarterly									
May-21	Sodium	(mg/L)	Quarterly									-
May-21	Standing Water Level	(m)	Quarterly									
May-21	Vanadium	(mg/L)	Quarterly									·
May-21	Zinc	(mg/L)	Quarterly									

POINT 31	Croundwater quality manitoring have marked and shown as EDA ID 31 on The Diane	("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
May-21	Aluminium	(mg/L)	Quarterly									
May-21	Ammonia	(mg/L)	Quarterly									
May-21	Arsenic (III)	(mg/L)	Quarterly									
May-21	Arsenic (V)	(mg/L)	Quarterly									
May-21	Cadmium	(mg/L)	Quarterly									
May-21	Chromium (trivalent)	(mg/L)	Quarterly									
May-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-21	Copper	(mg/L)	Quarterly									
May-21	Electrical Conductivity	(us/cm)	Quarterly									
May-21	Iron	(mg/L)	Quarterly									
May-21	Lead	(mg/L)	Quarterly									
May-21	Magnesium	(mg/L)	Quarterly									Next sample due July 2021
May-21	Manganese	(mg/L)	Quarterly									
May-21	Nickel	(mg/L)	Quarterly									
May-21	рН	pH	Quarterly									
May-21	Potassium	(mg/L)	Quarterly									
May-21	Selenium	(mg/L)	Quarterly									
May-21	Sodium	(mg/L)	Quarterly									
May-21	Standing Water Level	(m)	Quarterly									
May-21	Vanadium	(mg/L)	Quarterly									
May-21	Zinc	(mg/L)	Quarterly									_

POINT 32	Groundwater quality monitoring bore marked and shown as EPA ID 32 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Aluminium	(mg/L)	Quarterly									
May-21	Ammonia	(mg/L)	Quarterly									
May-21	Arsenic (III)	(mg/L)	Quarterly									
May-21	Arsenic (V)	(mg/L)	Quarterly									
May-21	Cadmium	(mg/L)	Quarterly									
May-21	Chromium (trivalent)	(mg/L)	Quarterly									
May-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-21	Copper	(mg/L)	Quarterly									
May-21	Electrical Conductivity	(us/cm)	Quarterly									
May-21	Iron	(mg/L)	Quarterly									
May-21	Lead	(mg/L)	Quarterly									
May-21	Magnesium	(mg/L)	Quarterly									Next sample due July 2021
May-21	Manganese	(mg/L)	Quarterly									
May-21	Nickel	(mg/L)	Quarterly									
May-21	pH	pН	Quarterly									
May-21	Potassium	(mg/L)	Quarterly									
May-21	Selenium	(mg/L)	Quarterly									
May-21	Sodium	(mg/L)	Quarterly									
May-21	Standing Water Level	(m)	Quarterly									
May-21	Vanadium	(mg/L)	Quarterly									<u> </u>
May-21	Zinc	(mg/L)	Quarterly									

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

				Samples						100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Collected &		Lowest Sample Value	Mean of Samples	Highest Sample Value	Limit		(yes/no)	Comments
May-21	Aluminium	(mg/L)	Quarterly	rinarysea	Dute dampied	Value	Jampies	varac		2	(400)0)	comments
May-21	Ammonia	(mg/L)	Quarterly									
May-21	Arsenic (III)	(mg/L)	Quarterly									
May-21	Arsenic (V)	(mg/L)	Quarterly									
May-21	Cadmium	(mg/L)	Quarterly									
May-21	Chromium (trivalent)	(mg/L)	Quarterly									
May-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-21	Copper	(mg/L)	Quarterly									
May-21	Electrical Conductivity	(us/cm)	Quarterly									
May-21	Iron	(mg/L)	Quarterly									
May-21	Lead	(mg/L)	Quarterly									
May-21	Magnesium	(mg/L)	Quarterly									Next sample due July 2021
May-21	Manganese	(mg/L)	Quarterly									
May-21	Nickel	(mg/L)	Quarterly									
May-21	pH	pH	Quarterly									
May-21	Potassium	(mg/L)	Quarterly									
May-21	Selenium	(mg/L)	Quarterly									
May-21	Sodium	(mg/L)	Quarterly									
May-21	Standing Water Level	(m)	Quarterly									
May-21	Vanadium	(mg/L)	Quarterly									
May-21	Zinc	(mg/L)	Quarterly									

POINT 34	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).											
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-21	Aluminium	(mg/L)	Quarterly									
May-21	Ammonia	(mg/L)	Quarterly									
May-21	Arsenic (III)	(mg/L)	Quarterly									
May-21	Arsenic (V)	(mg/L)	Quarterly									
May-21	Cadmium	(mg/L)	Quarterly									
May-21	Chromium (trivalent)	(mg/L)	Quarterly									
May-21	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-21	Copper	(mg/L)	Quarterly									
May-21	Electrical Conductivity	(us/cm)	Quarterly									
May-21	Iron	(mg/L)	Quarterly									
May-21	Lead	(mg/L)	Quarterly									Next sample due July 2021
May-21	Magnesium	(mg/L)	Quarterly									
May-21	Manganese	(mg/L)	Quarterly									
May-21	Nickel	(mg/L)	Quarterly									
May-21	pH	pН	Quarterly									
May-21	Potassium	(mg/L)	Quarterly									
May-21	Selenium	(mg/L)	Quarterly									
May-21	Sodium	(mg/L)	Quarterly									
May-21	Standing Water Level	(m)	Quarterly									
May-21	Vanadium	(mg/L)	Quarterly									
May-21	Zinc	(mg/L)	Quarterly									

GENERAL COMMENTS