## Vales Point Power Station Monthly Environmental Data Summary

LICENCE NO	761	http://www.epa.nsw.gov.au/prpoeoapp/
LICENCE HOLDER	SUNSET POWER INTERNATIONAL PTY LTD	
REPORTING PERIOD	August 2022	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2	Combined air emissions from boiler 5 via Points 4	to 7 to Point 1 mark	ed and shown as EPA ID 2 on The Pla	ns ("VX837351	-1 AND "VX83735	1-2" 03/06/2020	EPA REFERENCE	DOC20/476695 AN	ND DOC20/47669	<b>)5-1).</b>		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &	Date Sampled	Lowest Sample	Mean of	<b>Highest Sample</b>	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed		Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Aug-22	Chlorine	(mg/m3)	Every 6 months							20		
Aug-22	Fluorine	(mg/m3)	Every 6 months							30		
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Aug-22	Mercury	(mg/m3)	Every 6 months							0.05		
Aug-22	Nitrogen Oxides	(mg/m3)	Continuous	98.9%	Aug-22	542	705	822	850	980	No	
Aug-22	Solid Particles	(mg/m3)	Quarterly							50		
Aug-22	Sulfur dioxide	(mg/m3)	Continuous	98.9%	Aug-22	548	816	1072	1400	1700	No	
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
A= 22	VOC's as a propose equivalent	(/2)	Fuery 6 menths	i e						10		

POINT 3	Combined air emissions from boiler 6 via Points 8	to 11 to Point 1 mar	ked and shown as EPA ID 3 on The Pla	ans ("VX83735	1-1 AND "VX8373	51-2" 03/06/2020	EPA REFERENC	E DOC20/476695 A	ND DOC20/4766	595-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &		<b>Lowest Sample</b>	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months							0.2		
Aug-22	Chlorine	(mg/m3)	Every 6 months							20		
Aug-22	Fluorine	(mg/m3)	Every 6 months							30		
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months							50		
Aug-22	Mercury	(mg/m3)	Every 6 months							0.05		
Aug-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Aug-22	477	665	821	850	980	No	
Aug-22	Solid Particles	(mg/m3)	Quarterly							50		
Aug-22	Sulfur dioxide	(mg/m3)	Continuous	100.0%	Aug-22	500	806	974	1400	1700	No	
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100		
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75		
Aug-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10		

POINT 4	Boiler number 5 exhaust - duct A marked and sh	own as EPA ID 4 on Th	ie Plans ("VX837351-1 AND "VX8373	51-2" 03/06/2	020 EPA REFEREN	CE DOC20/476695	AND DOC20/47	76695-1).				
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency		Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Carbon dioxide	(%)	Every 6 months									
Aug-22	Chlorine	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Fluorine	(mg/m3)	Every 6 months									
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperatu
Aug-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Aug-22	Oxygen (O2)	(%)	Continuous									
Aug-22	Solid Particles	(mg/m3)	Quarterly									
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months				•					
Aug-22	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 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	<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	
Aug-22	Cadmium	(mg/m3)	Every 6 months										
Aug-22	Flow rate	(m3/s)	Continuous										
Aug-22	Mercury	(mg/m3)	Every 6 months										
Aug-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temperature	
Aug-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.	
Aug-22	Solid Particles	(mg/m3)	Quarterly										
Aug-22	Temperature	(°C)	Continuous										
Aug-22	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 Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Carbon dioxide	(%)	Every 6 months									
Aug-22	Chlorine	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Fluorine	(mg/m3)	Every 6 months									
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperature
Aug-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Aug-22	Oxygen (O2)	(%)	Continuous									
Aug-22	Solid Particles	(mg/m3)	Quarterly									
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

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

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Mercury	(mg/m3)	Every 6 months									
Aug-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temperature
Aug-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.
Aug-22	Solid Particles	(mg/m3)	Quarterly									
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									

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

				Samples					99 Percentile	100 Percentile		
				Collected &		<b>Lowest Sample</b>	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
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Carbon dioxide	(%)	Every 6 months									
Aug-22	Chlorine	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Fluorine	(mg/m3)	Every 6 months									
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temperature
Aug-22	Moisture	(%)	Continuous									not required until 30/11/2022.
Aug-22	Oxygen (O2)	(%)	Continuous									
Aug-22	Solid Particles	(mg/m3)	Quarterly									
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									

Month							AND DOC20/47	6695-1).				
Month				Samples					99 Percentile	100 Percentile		
Month				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Mercury	(mg/m3)	Every 6 months									
Aug-22	Moisture	(%)	Continuous									Continuous monitoring of flow rate, moisture, O2 and temp
Aug-22	Oxygen (O2)	(%)	Continuous									not required until 30/11/2022.
Aug-22	Solid Particles	(mg/m3)	Quarterly									·
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
POINT 10	Boiler number 6 exhaust - duct C marked and she	own as EPA ID 10 on I	ne Plans ("VX83/351-1 AND "VX83/3	Samples	ZUZU EPA KEFEKE	NCE DOC20/4/669	S AND DOC20/4	/6695-1).	99 Percentile	100 Percentile		
						Laurant Carrella	Mean of	Illahaat Camala			F	
				Collected &		Lowest Sample		Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Cadmium	(mg/m3)	Every 6 months									
Aug-22	Carbon dioxide	(%)	Every 6 months									
Aug-22	Chlorine	(mg/m3)	Every 6 months									
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Fluorine	(mg/m3)	Every 6 months									
Aug-22	Hydrogen chloride	(mg/m3)	Every 6 months									
Aug-22	Mercury	(mg/m3)	Every 6 months									Continuous monitoring of flow rate, moisture, O2 and temp
Aug-22	Moisture	(%)	Continuous					1				not required until 30/11/2022.
Aug-22 Aug-22	Oxygen (O2)	(%)	Continuous					<del> </del>				not required until 50/11/2022.
Aug-22 Aug-22	Solid Particles	(mg/m3)	Quarterly									
_												
Aug-22	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months									
Aug-22	Temperature	(°C)	Continuous									
Aug-22	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months									
Aug-22	VOC's as n-propane equivalent	(mg/m3)	Every 6 months									
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
Aug-22	Cadmium	(mg/m3)	Every 6 months		·		•				,, ,	
Aug-22	Flow rate	(m3/s)	Continuous									
Aug-22	Mercury	(mg/m3)	Every 6 months									
	Moisture											
Aug-22		(%)										Continuous monitoring of flow rate, moisture, O2 and tem
		(%)	Continuous									
Aug-22	Oxygen (O2)	(%)	Continuous Continuous									Continuous monitoring of flow rate, moisture, O2 and temport not required until 30/11/2022.
Aug-22 Aug-22	Oxygen (O2) Solid Particles	(%) (mg/m3)	Continuous Continuous Quarterly									
Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature	(%) (mg/m3) (°C)	Continuous Continuous Quarterly Continuous									
Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles	(%) (mg/m3)	Continuous Continuous Quarterly									
Aug-22 Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature	(%) (mg/m3) (°C) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months	lans ("VX8373	51-1 AND "VX837	351-2" 03/06/202	O EPA REFERENC	E DOC20/476695	AND DOC20/476	695-1).		
Aug-22 Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(%) (mg/m3) (°C) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months		51-1 AND "VX837	351-2" 03/06/20	O EPA REFERENC	E DOC20/476695				
Aug-22 Aug-22 Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate	(%) (mg/m3) (°C) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months	Samples	51-1 AND "VX837				99 Percentile	100 Percentile		
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I	(%) (mg/m3) (°C) (mg/m3) B (points 4 and 5) mai	Continuous Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P	Samples Collected &		Lowest Sample	Mean of	Highest Sample	99 Percentile Concentration	100 Percentile Concentration	Exceedance	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I	(%) (mg/m3) (°C) (mg/m3) 8 (points 4 and 5) mai	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile	100 Percentile	(yes/no)	
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) mar  Unit of Measure (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous	Samples Collected & Analysed 98.9%	Date Sampled Aug-22	Lowest Sample Value 502	Mean of Samples 702	Highest Sample Value 838	99 Percentile Concentration	100 Percentile Concentration	(yes/no) N/A	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I	(%) (mg/m3) (°C) (mg/m3) 8 (points 4 and 5) mai	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	99 Percentile Concentration	100 Percentile Concentration	(yes/no)	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12 Month Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  8 (points 4 and 5) mai  Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 98.9% 98.9%	Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520	Mean of Samples 702 770	Highest Sample Value 838 1023	99 Percentile Concentration Limit	100 Percentile Concentration Limit	(yes/no) N/A	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides	(%) (mg/m3) (°C) (mg/m3)  8 (points 4 and 5) mai  Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 98.9% 98.9%	Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520	Mean of Samples 702 770	Highest Sample Value 838 1023	99 Percentile Concentration Limit	100 Percentile Concentration Limit	(yes/no) N/A	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12 Month Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  8 (points 4 and 5) mai  Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 98.9% 98.9%	Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520	Mean of Samples 702 770	Highest Sample Value 838 1023	99 Percentile Concentration Limit	100 Percentile Concentration Limit	(yes/no) N/A	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12 Month Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I Pollutant Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  8 (points 4 and 5) mai  Unit of Measure (mg/m3) (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373:	Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 351-2" 03/06/202	Mean of Samples 702 770 D EPA REFERENC	Highest Sample Value 838 1023 E DOC20/476695	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile	100 Percentile Concentration Limit  695-1).	(yes/no) N/A N/A	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12 Month Aug-22 Aug-22 OINT 13	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  D (points 6 and 7) man	Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous ked and shownas EPA ID 13 on The PI	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected &	Date Sampled Aug-22 Aug-22 51-1 AND "VX837"	Lowest Sample Value 502 520 351-2" 03/06/202 Lowest Sample	Mean of Samples 702 770 DEPA REFERENC	Highest Sample Value 838 1023  E DOC20/476695 // Highest Sample	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration	100 Percentile Concentration Limit  695-1).  100 Percentile Concentration	(yes/no) N/A N/A Exceedance	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure	Continuous Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed	Date Sampled Aug-22 Aug-22 51-1 AND "VX837	Lowest Sample Value 502 520 351-2" 03/06/202  Lowest Sample Value	Mean of Samples 702 770 DEPAREFERENCE Mean of Samples	Highest Sample Value 838 1023  E DOC20/476695 / Highest Sample Value	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile	100 Percentile Concentration Limit  695-1).	(yes/no) N/A N/A  Exceedance (yes/no)	not required until 30/11/2022.
Aug-22 Aug-22 Aug-22 DINT 12  Month Aug-22 Aug-22  Month Aug-22  Month Aug-22  Month Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides  Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant Nitrogen Oxides	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3)	Continuous Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed 98.9%	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22	Lowest Sample Value 502 520 520 351-2" 03/06/202 Lowest Sample Value 546	Mean of Samples 702 770  DEPA REFERENCE  Mean of Samples 708	Highest Sample Value 838 1023 E DOC20/476695 / Highest Sample Value 899	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration	100 Percentile Concentration Limit  695-1).  100 Percentile Concentration	(yes/no) N/A N/A  Exceedance (yes/no) N/A	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure	Continuous Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed	Date Sampled Aug-22 Aug-22 51-1 AND "VX837	Lowest Sample Value 502 520 351-2" 03/06/202  Lowest Sample Value	Mean of Samples 702 770 DEPAREFERENCE Mean of Samples	Highest Sample Value 838 1023  E DOC20/476695 / Highest Sample Value	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration	100 Percentile Concentration Limit  695-1).  100 Percentile Concentration	(yes/no) N/A N/A  Exceedance (yes/no)	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month Aug-22 Aug-22 OINT 2	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides  Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant Nitrogen Oxides	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3) (mg/m3)	Continuous  Quarterly  Continuous  Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency  Continuous  Continuous  ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency  Continuous  Continuous  Continuous  Continuous  Continuous	Samples Collected & Analysed 98.9% 98.9%  Samples Collected & Analysed 98.9% 98.9%	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 520 351-2" 03/06/202 Lowest Sample Value 546 573	Mean of Samples 702 770 PEPA REFERENCE Mean of Samples 708 863	Highest Sample Value 838 1023 E DOC20/476695 / Highest Sample Value 899 1140	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit	100 Percentile Concentration Limit  695-1).  100 Percentile Concentration Limit	(yes/no) N/A N/A  Exceedance (yes/no) N/A	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month Aug-22 Aug-22 OINT 13	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant  Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3) (mg/m3)	Continuous  Quarterly  Continuous  Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency  Continuous  Continuous  ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency  Continuous  Continuous  Continuous  Continuous  Continuous	Samples Collected & Analysed 98.9% 98.9%  Samples Collected & Analysed 98.9% 98.9%	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 520 351-2" 03/06/202 Lowest Sample Value 546 573	Mean of Samples 702 770 PEPA REFERENCE Mean of Samples 708 863	Highest Sample Value 838 1023 E DOC20/476695 / Highest Sample Value 899 1140	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit	100 Percentile Concentration Limit  695-1).  100 Percentile Concentration Limit	(yes/no) N/A N/A  Exceedance (yes/no) N/A	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 Aug-22	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant  Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3) (mg/m3)	Continuous  Quarterly  Continuous  Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency  Continuous  Continuous  ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency  Continuous  Continuous  Continuous  Continuous  Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed 98.9% 98.9% ans ("VX8373:	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 520 351-2" 03/06/202 Lowest Sample Value 546 573	Mean of Samples 702 770 PEPA REFERENCE Mean of Samples 708 863	Highest Sample Value 838 1023 E DOC20/476695 / Highest Sample Value 899 1140	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit  AND DOC20/476	100 Percentile Concentration Limit  100 Percentile Concentration Limit  595-1).	(yes/no) N/A N/A  Exceedance (yes/no) N/A	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month Aug-22 Aug-22 OINT 2	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant  Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3) (mg/m3)	Continuous  Quarterly  Continuous  Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency  Continuous  Continuous  ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency  Continuous  Continuous  Continuous  Continuous  Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed 98.9% 98.9% sans ("VX8373: Samples	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 3351-2" 03/06/202 Lowest Sample Value 546 573 351-2" 03/06/202	Mean of Samples 702 770 DEPA REFERENC Mean of Samples 708 863 DEPA REFERENC	Highest Sample Value 838 1023  E DOC20/476695 / Highest Sample Value 899 1140  E DOC20/476695 /	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit  AND DOC20/476  99 Percentile	100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile 100 Percentile	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A	not required until 30/11/2022.  Comments
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 Aug-22 OINT 13  Month Aug-22 Aug-22 OINT 14	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant Nitrogen Oxides Sulfur dioxide  Boiler number 6 combined exhaust - duct A and I  Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) mai  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) mai  Unit of Measure (mg/m3) (mg/m3)  B (points 8 and 9) mai	Continuous Quarterly Continuous Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency Continuous Continuous ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency Continuous ked and shownas EPA ID 13 on The Pl  Continuous Continuous Continuous Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected &	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22 Aug-22 51-1 AND "VX837	Lowest Sample Value 502 520 351-2" 03/06/202 Lowest Sample 546 573 351-2" 03/06/202 Lowest Sample	Mean of Samples 702 770 DEPA REFERENC Mean of Samples 708 863 DEPA REFERENC	Highest Sample Value 838 1023 E DOC20/476695 / Highest Sample 899 1140 E DOC20/476695 / Highest Sample	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration	100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile Concentration	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A Exceedance	Comments
Aug-22 Aug-22 Aug-22 Aug-22 OINT 12  Month Aug-22 OINT 13  Month Aug-22 Aug-22 OINT 13	Oxygen (O2) Solid Particles Temperature Type 1 and Type 2 substances in aggregate  Boiler number 5 combined exhaust - duct A and I  Pollutant  Nitrogen Oxides Sulfur dioxide  Boiler number 5 combined exhaust - duct C and I  Pollutant  Nitrogen Oxides Sulfur dioxide	(%) (mg/m3) (°C) (mg/m3)  B (points 4 and 5) man  Unit of Measure (mg/m3) (mg/m3)  O (points 6 and 7) man  Unit of Measure (mg/m3) (mg/m3)	Continuous  Quarterly  Continuous  Every 6 months  ked and shown as EPA ID 12 on The P  Sample/Measurement Frequency  Continuous  Continuous  ked and shownas EPA ID 13 on The Pl  Sample/Measurement Frequency  Continuous  Continuous  Continuous  Continuous  Continuous	Samples Collected & Analysed 98.9% 98.9% ans ("VX8373: Samples Collected & Analysed 98.9% 98.9% sans ("VX8373: Samples	Date Sampled Aug-22 Aug-22 51-1 AND "VX837  Date Sampled Aug-22 Aug-22	Lowest Sample Value 502 520 3351-2" 03/06/202 Lowest Sample Value 546 573 351-2" 03/06/202	Mean of Samples 702 770 DEPA REFERENC Mean of Samples 708 863 DEPA REFERENC	Highest Sample Value 838 1023  E DOC20/476695 / Highest Sample Value 899 1140  E DOC20/476695 /	99 Percentile Concentration Limit  AND DOC20/476  99 Percentile Concentration Limit  AND DOC20/476  99 Percentile	100 Percentile Concentration Limit  100 Percentile Concentration Limit  100 Percentile 100 Percentile	(yes/no) N/A N/A Exceedance (yes/no) N/A N/A	not required until 30/11/2022.  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 &		<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
Aug-22	Nitrogen Oxides	(mg/m3)	Continuous	100.0%	Aug-22	428	602	760			N/A	
Δμσ-22	Sulfur diovide	(mg/m3)	Continuous	100.0%	Δ11σ-22	388	806	977			N/A	

POINT 22	POINT 22 Discharge of cooling water from the cooling water outlet canal to Wyee Bay marked and shown as EPA ID 22 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration			
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	Limit (yes/no)	Comments	
Aug-22	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	2/08/2022	<0.1	<0.1	<0.1		0.2	No		
Aug-22	Copper	(mg/L)	Monthly during discharge	1	2/08/2022	0.002	0.002	0.002		0.005	No		
Aug-22	Iron	(mg/L)	Monthly during discharge	1	2/08/2022	0.079	0.079	0.079		0.3	No		
Aug-22	Oil and Grease	Visible	Continuous during discharge	100%	Aug-22	NIL	NIL	NIL					
Aug-22	Selenium	(mg/L)	Monthly during discharge	1	2/08/2022	0.002	0.002	0.002		0.005	No		
Aug-22	Temperature	(°C)	Continuous during discharge	100%	Aug-22	19.9	24.3	28.6	35	37.5	No		

POINT 23														
				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		
Aug-22	Aluminium	(mg/L)	Monthly during discharge	1	2/08/2022	0.07	0.07	0.07						
Aug-22	Ammonia	(mg/L)	Monthly during discharge	1	2/08/2022	0.11	0.11	0.11						
Aug-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	2/08/2022	<0.001	<0.001	< 0.001						
Aug-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	2/08/2022	0.007	0.007	0.007						
Aug-22	Cadmium	(mg/L)	Monthly during discharge	1	2/08/2022	<0.0001	<0.0001	<0.0001						
Aug-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	2/08/2022	<0.005	<0.005	<0.005						
Aug-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	2/08/2022	0.040	0.040	0.040						
Aug-22	Copper	(mg/L)	Monthly during discharge	1	2/08/2022	<0.001	<0.001	< 0.001						
Aug-22	Iron	(mg/L)	Monthly during discharge	1	2/08/2022	0.073	0.073	0.073						
Aug-22	Lead	(mg/L)	Monthly during discharge	1	2/08/2022	<0.001	<0.001	< 0.001						
Aug-22	Manganese	(mg/L)	Monthly during discharge	1	2/08/2022	<0.005	<0.005	<0.005						
Aug-22	Nickel	(mg/L)	Monthly during discharge	1	2/08/2022	< 0.001	< 0.001	< 0.001						
Aug-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	2/08/2022	0.08	0.08	0.08						
Aug-22	Nitrogen	(mg/L)	Monthly during discharge	1	2/08/2022	0.30	0.30	0.30						
Aug-22	pH	pН	Monthly during discharge	1	2/08/2022	9.02	9.02	9.02		6.5 - 9.5	No			
Aug-22	Phosphorus	(mg/L)	Monthly during discharge	1	2/08/2022	< 0.05	<0.05	< 0.05						
Aug-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	2/08/2022	< 0.005	< 0.005	< 0.005						
Aug-22	Selenium	(mg/L)	Monthly during discharge	1	2/08/2022	0.05	0.05	0.05						
Aug-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	2/08/2022	0.3	0.3	0.3						
Aug-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	2/08/2022	<5	<5	<5		50	No			
Aug-22	Vanadium	(mg/L)	Monthly during discharge	1	2/08/2022	0.097	0.097	0.097						
Aug-22	Zinc	(mg/L)	Monthly during discharge	1	2/08/2022	0.002	0.002	0.002			·			

POINT 24													
				Samples					Disabassa	100 Percentile			
				Collected &		Lowest Sample	Mean of	<b>Highest Sample</b>	Discharge	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(yes/no)	Limit	(yes/no)	Comments	
Aug-22	Aluminium	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Ammonia	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Arsenic (III)	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Arsenic (V)	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Cadmium	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Copper	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Iron	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Lead	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Manganese	(mg/L)	Monthly during discharge	1	2/08/2022				No			No discharge from EPA Point 24 during August 2022	
Aug-22	Nickel	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Nitrogen	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	рН	pH	Monthly during discharge	1	2/08/2022				No	6.5 - 9.5	No		
Aug-22	Phosphorus	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	2/08/2022				No				
Aug-22	Selenium	(mg/L)	Monthly during discharge	1	2/08/2022		•		No				
Aug-22	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	2/08/2022		•		No				
Aug-22	Total Suspended Solids	(mg/L)	Monthly during discharge	1	2/08/2022		•		No	50	No		
Aug-22	Vanadium	(mg/L)	Monthly during discharge	1	2/08/2022		•		No			_	
Aug-22	Zinc	(mg/L)	Monthly during discharge	1	2/08/2022	_			No			·	

POINT 25	Discharge of over boarded water from the ash dam to Mannering Bay marked and shown as EPA ID 25 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					Discharge	100 Percentile			
				Collected &		Lowest Sample		Highest Sample	(yes/no)	Concentration			
Month	Pollutant	_	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value		Limit	(yes/no)	Comments	
Aug-22	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Copper	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Iron	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Lead	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during August 2022	
Aug-22	Nickel	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	pH	pH	Daily for any discharge >2 hrs						No	6.5 - 9.5	No		
Aug-22	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Selenium	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No				
Aug-22	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No		
Aug-22	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No		-		
Aug-22	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 &		<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
Aug-22	Aluminium	(mg/L)	Quarterly									
Aug-22	Ammonia	(mg/L)	Quarterly									
Aug-22	Arsenic (III)	(mg/L)	Quarterly									
Aug-22	Arsenic (V)	(mg/L)	Quarterly									
Aug-22	Cadmium	(mg/L)	Quarterly									
Aug-22	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-22	Copper	(mg/L)	Quarterly									
Aug-22	Electrical Conductivity	(us/cm)	Quarterly									Next sample scheduled for October 2022
Aug-22	Iron	(mg/L)	Quarterly									
Aug-22	Lead	(mg/L)	Quarterly									
Aug-22	Magnesium	(mg/L)	Quarterly									
Aug-22	Manganese	(mg/L)	Quarterly									
Aug-22	Nickel	(mg/L)	Quarterly									
Aug-22	pH	pН	Quarterly									
Aug-22	Potassium	(mg/L)	Quarterly									
Aug-22	Selenium	(mg/L)	Quarterly									
Aug-22	Sodium	(mg/L)	Quarterly									
Aug-22	Standing Water Level	(m)	Quarterly									
Aug-22	Vanadium	(mg/L)	Quarterly									
Aug-22	Zinc	(mg/L)	Quarterly									

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).											
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Aluminium	(mg/L)	Quarterly									
Aug-22	Ammonia	(mg/L)	Quarterly									
Aug-22	Arsenic (III)	(mg/L)	Quarterly									
Aug-22	Arsenic (V)	(mg/L)	Quarterly									
Aug-22	Cadmium	(mg/L)	Quarterly									
Aug-22	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-22	Copper	(mg/L)	Quarterly									
Aug-22	Electrical Conductivity	(us/cm)	Quarterly									
Aug-22	Iron	(mg/L)	Quarterly									Next sample scheduled for October 2022
Aug-22	Lead	(mg/L)	Quarterly									
Aug-22	Magnesium	(mg/L)	Quarterly									
Aug-22	Manganese	(mg/L)	Quarterly									
Aug-22	Nickel	(mg/L)	Quarterly									
Aug-22	pH	pH	Quarterly									
Aug-22	Potassium	(mg/L)	Quarterly									
Aug-22	Selenium	(mg/L)	Quarterly									
Aug-22	Sodium	(mg/L)	Quarterly									
Aug-22	Standing Water Level	(m)	Quarterly									
Aug-22	Vanadium	(mg/L)	Quarterly									
Aug-22	Zinc	(mg/L)	Quarterly									_

POINT 32	Groundwater quality monitoring bore marked and	d shown as EPA ID 32	on The Plans ("VX837351-1 AND "V	(837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).				
				Samples Collected &		Lowest Sample		Highest Sample	Concentration		Exceedance	
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
Aug-22	Aluminium	(mg/L)	Quarterly									
Aug-22	Ammonia	(mg/L)	Quarterly									
Aug-22	Arsenic (III)	(mg/L)	Quarterly									
Aug-22	Arsenic (V)	(mg/L)	Quarterly									
Aug-22	Cadmium	(mg/L)	Quarterly									
Aug-22	Chromium (trivalent)	(mg/L)	Quarterly									
Aug-22	Chromium (VI) Compounds	(mg/L)	Quarterly									
Aug-22	Copper	(mg/L)	Quarterly									
Aug-22	Electrical Conductivity	(us/cm)	Quarterly									
Aug-22	Iron	(mg/L)	Quarterly									Next sample scheduled for October 2022
Aug-22	Lead	(mg/L)	Quarterly									
Aug-22	Magnesium	(mg/L)	Quarterly									
Aug-22	Manganese	(mg/L)	Quarterly									
Aug-22	Nickel	(mg/L)	Quarterly									
Aug-22	pH	pH	Quarterly									
Aug-22	Potassium	(mg/L)	Quarterly									
Aug-22	Selenium	(mg/L)	Quarterly									
Aug-22	Sodium	(mg/L)	Quarterly									
Aug-22	Standing Water Level	(m)	Quarterly									
Aug-22	Vanadium	(mg/L)	Quarterly									
Aug-22	Zinc	(mg/L)	Quarterly									_

POINT 33	Groundwater quality monitoring bore marked and shown as EPA ID 33 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).												
				Samples					99 Percentile	100 Percentile			
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments	
Aug-22	Aluminium	(mg/L)	Quarterly										
Aug-22	Ammonia	(mg/L)	Quarterly										
Aug-22	Arsenic (III)	(mg/L)	Quarterly										
Aug-22	Arsenic (V)	(mg/L)	Quarterly										
Aug-22	Cadmium	(mg/L)	Quarterly										
Aug-22	Chromium (trivalent)	(mg/L)	Quarterly										
Aug-22	Chromium (VI) Compounds	(mg/L)	Quarterly										
Aug-22	Copper	(mg/L)	Quarterly										
Aug-22	Electrical Conductivity	(us/cm)	Quarterly										
Aug-22	Iron	(mg/L)	Quarterly									Next sample scheduled for October 2022	
Aug-22	Lead	(mg/L)	Quarterly										
Aug-22	Magnesium	(mg/L)	Quarterly										
Aug-22	Manganese	(mg/L)	Quarterly										
Aug-22	Nickel	(mg/L)	Quarterly										
Aug-22	pH	pН	Quarterly										
Aug-22	Potassium	(mg/L)	Quarterly										
Aug-22	Selenium	(mg/L)	Quarterly										
Aug-22	Sodium	(mg/L)	Quarterly										
Aug-22	Standing Water Level	(m)	Quarterly										
Aug-22	Vanadium	(mg/L)	Quarterly										
Aug-22	Zinc	(mg/L)	Quarterly				<u> </u>					-	

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	
Aug-22	Aluminium	(mg/L)	Quarterly										
Aug-22	Ammonia	(mg/L)	Quarterly										
Aug-22	Arsenic (III)	(mg/L)	Quarterly										
Aug-22	Arsenic (V)	(mg/L)	Quarterly										
Aug-22	Cadmium	(mg/L)	Quarterly										
Aug-22	Chromium (trivalent)	(mg/L)	Quarterly										
Aug-22	Chromium (VI) Compounds	(mg/L)	Quarterly										
Aug-22	Copper	(mg/L)	Quarterly										
Aug-22	Electrical Conductivity	(us/cm)	Quarterly										
Aug-22	Iron	(mg/L)	Quarterly									Next sample scheduled for October 2022	
Aug-22	Lead	(mg/L)	Quarterly										
Aug-22	Magnesium	(mg/L)	Quarterly										
Aug-22	Manganese	(mg/L)	Quarterly										
Aug-22	Nickel	(mg/L)	Quarterly										
Aug-22	pH	pH	Quarterly										
Aug-22	Potassium	(mg/L)	Quarterly										
Aug-22	Selenium	(mg/L)	Quarterly										
Aug-22	Sodium	(mg/L)	Quarterly									_	
Aug-22	Standing Water Level	(m)	Quarterly									_	
Aug-22	Vanadium	(mg/L)	Quarterly									_	
Aug-22	Zinc	(mg/L)	Quarterly							_		_	

GENERAL COMMENTS