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 2023	
ADDRESS	VALES ROAD, MANNERING PARK NSW	



POINT 2 Combined air emissions from boiler 5 via Points 4 to 7 to Point 1 marked and shown as EPA ID 2 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1). Samples 99 Percentile 100 Percentile Exceed Collected 8 **Date Sampled** Lowest Sample Mean of Highest Sample Concentration Concentration 100% Limit Unit of Measure Month Pollutant Sample/Measurement Frequency Analysed Value Value (yes/no) Comments Samples Limit Limit May-23 Cadmium (mg/m3) Every 6 months 0.2 No Chlorine (mg/m3) 20 No May-23 Every 6 months May-23 Fluorine (mg/m3) Every 6 months 30 No Hydrogen chloride Every 6 months 50 No May-23 (mg/m3) 0.05 No May-23 Mercury (mg/m3) Every 6 months 95.8% May-23 320 605 745 850 980 No May-23 Nitrogen Oxides (mg/m3) Continuous May-23 Solid Particles (mg/m3) Quarterly 50 No May-23 Sulfur dioxide (mg/m3) Continuous 95.9% May-23 524 861 999 1400 1700 No May-23 Sulfuric acid mist and sulfur trioxide (as SO3) (mg/m3) 100 No Every 6 months May-23 Type 1 and Type 2 substances in aggregate (mg/m3) Every 6 months 0.75 No VOC's as n-propane equivalent (mg/m3) 10 No May-23 Every 6 months

POINT 3	Combined air emissions from boiler 6 via Points 8	3 to 11 to Point 1 mar	ked and shown as EPA ID 3 on The Pla	ans ("VX83735	1-1 AND "VX8373	351-2" 03/06/202	DEPA REFERENC	E DOC20/476695 A	AND DOC20/4766	595-1).		
				Samples					99 Percentile	100 Percentile	Exceed	
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	100% Limit	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months							0.2	No	
May-23	Chlorine	(mg/m3)	Every 6 months							20	No	
May-23	Fluorine	(mg/m3)	Every 6 months							30	No	
May-23	Hydrogen chloride	(mg/m3)	Every 6 months							50	No	
May-23	Mercury	(mg/m3)	Every 6 months							0.05	No	
May-23	Nitrogen Oxides	(mg/m3)	Continuous	95.6%	May-23	244	631	729	850	980	No	
May-23	Solid Particles	(mg/m3)	Quarterly							50	No	
May-23	Sulfur dioxide	(mg/m3)	Continuous	95.3%	May-23	340	849	1029	1400	1700	No	
May-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months							100	No	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months							0.75	No	
May-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months							10	No	

POINT 4 Boiler number 5 exhaust - duct A marked and shown as EPA ID 4 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 Mossuro	Sample/Measurement Frequency	Collected &	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	Concentration Limit	Concentration	Exceedance (yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months	Analyseu	Date Sampled	value	Samples	value	Linit	Linit	N/A	comments
1		(111g/1115)	, ·									
May-23	Carbon dioxide	(%)	Every 6 months								N/A	
May-23	Chlorine	(mg/m3)	Every 6 months								N/A	
May-23	Fluorine	(mg/m3)	Every 6 months								N/A	
May-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

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).

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				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

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
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Carbon dioxide	(%)	Every 6 months								N/A	
May-23	Chlorine	(mg/m3)	Every 6 months								N/A	
May-23	Fluorine	(mg/m3)	Every 6 months								N/A	
May-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POI	NT 7 Boiler	number 5 exhaust -	duct D marked and shown as	EPA ID 7 on The Plans	("VX837351-1 AND	"VX837351-2" 03	3/06/2020 EPA REFERENCE DOC20	/476695 AND DOC20/4	476695-1).
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				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

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						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Carbon dioxide	(%)	Every 6 months								N/A	
May-23	Chlorine	(mg/m3)	Every 6 months								N/A	
May-23	Fluorine	(mg/m3)	Every 6 months								N/A	
May-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT 9 Boiler number 6 exhaust - duct B marked and shown as EPA ID 9 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

i onti j				Samples Collected &		Lowest Sample				100 Percentile		
Month	Pollutant	Unit of Measure			Date Sampled		Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

POINT 10 Boiler number 6 exhaust - duct C marked and shown as EPA ID 10 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Cadmium	(mg/m3)	Every 6 months								N/A	
May-23	Carbon dioxide	(%)	Every 6 months								N/A	
May-23	Chlorine	(mg/m3)	Every 6 months								N/A	
May-23	Fluorine	(mg/m3)	Every 6 months								N/A	
May-23	Hydrogen chloride	(mg/m3)	Every 6 months								N/A	
May-23	Mercury	(mg/m3)	Every 6 months								N/A	
May-23	Solid Particles	(mg/m3)	Quarterly								N/A	
May-23	Sulfuric acid mist and sulfur trioxide (as SO3)	(mg/m3)	Every 6 months								N/A	
May-23	Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	
May-23	VOC's as n-propane equivalent	(mg/m3)	Every 6 months								N/A	

POINT	11 Boiler number 6 exhaust - duct D marked and sh	own as EPA ID 11 on T	he Plans ("VX837351-1 AND "VX837	351-2" 03/06/	2020 EPA REFERE	NCE DOC20/47669	95 AND DOC20/4	76695-1).				
				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Mont	h Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-2	3 Cadmium	(mg/m3)	Every 6 months								N/A	
May-2	3 Mercury	(mg/m3)	Every 6 months								N/A	
May-2	3 Solid Particles	(mg/m3)	Quarterly								N/A	
May-2	3 Type 1 and Type 2 substances in aggregate	(mg/m3)	Every 6 months								N/A	

POINT 12 Boiler number 5 combined exhaust - duct A and B (points 4 and 5) marked and shown as EPA ID 12 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		
								• •				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Nitrogen Oxides	(mg/m3)	Continuous	97.8%	May-23	301	598	761			N/A	
May-23	Sulfur dioxide	(mg/m3)	Continuous	97.8%	May-23	395	796	923			N/A	

POINT 13 Boiler number 5 combined exhaust - duct C and D (points 6 and 7) marked and shownas EPA ID 13 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples Collected &		Lowest Sample	Mean of	Highest Sample		100 Percentile Concentration		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Nitrogen Oxides	(mg/m3)	Continuous	93.7%	May-23	299	611	737			N/A	
May-23	Sulfur dioxide	(mg/m3)	Continuous	94.0%	May-23	359	925	1097			N/A	

POINT 14 Boiler number 6 combined exhaust - duct A and B (points 8 and 9) marked and shownas EPA ID 14 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-23	Nitrogen Oxides	(mg/m3)	Continuous	95.9%	May-23	257	652	769			N/A	
May-23	Sulfur dioxide	(mg/m3)	Continuous	95.6%	May-23			1040			N/A	

POINT 15 Boiler number 6 combined exhaust - duct C and D (points 10 and 11) marked and shownas EPA ID 12 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

				Samples					99 Percentile	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	Concentration	Concentration	Exceedance	
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Nitrogen Oxides	(mg/m3)	Continuous	95.3%	May-23	232	610	707			N/A	
May-23	Sulfur dioxide	(mg/m3)	Continuous	94.9%	May-23	308	825	1027			N/A	

POINT 22	Discharge of cooling water from the cooling water	r outlet canal to Wye	e Bay marked and shown as EPA ID 2	2 on The Plans	("VX837351-1 AM	ND "VX837351-2"	03/06/2020 EPA	REFERENCE DOC2	0/476695 AND D	OC20/476695-1).	
				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
May-23	Chlorine (free residual)	(mg/L)	Monthly during discharge	1	3/05/2023	<0.1	<0.1	<0.1		0.2	No	
May-23	Copper	(mg/L)	Monthly during discharge	1	3/05/2023	0.002	0.002	0.002		0.005	No	
May-23	Iron	(mg/L)	Monthly during discharge	1	3/05/2023	0.120	0.120	0.120		0.3	No	
May-23	Oil and Grease	Visible	Continuous during discharge	100%	May-23	NIL	NIL	NIL				
May-23	Selenium	(mg/L)	Monthly during discharge	1	3/05/2023	0.001	0.001	0.001		0.005	No	
May-23	Temperature	(°C)	Continuous during discharge	100%	May-23	17.8	23.9	30.0	35	37.5	No	

				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-23	Aluminium	(mg/L)	Monthly during discharge	1	3/05/2023	0.04	0.04	0.04				
May-23	Ammonia	(mg/L)	Monthly during discharge	1	3/05/2023	<0.005	<0.005	< 0.005				
May-23	Arsenic (III)	(mg/L)	Monthly during discharge	1	3/05/2023	< 0.001	< 0.001	< 0.001				
May-23	Arsenic (V)	(mg/L)	Monthly during discharge	1	3/05/2023	0.011	0.011	0.011				
May-23	Cadmium	(mg/L)	Monthly during discharge	1	3/05/2023	< 0.0001	<0.0001	< 0.0001				
May-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1	3/05/2023	<0.005	< 0.005	< 0.005				
May-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1	3/05/2023	0.030	0.030	0.030				
May-23	Copper	(mg/L)	Monthly during discharge	1	3/05/2023	< 0.001	< 0.001	< 0.001				
May-23	Iron	(mg/L)	Monthly during discharge	1	3/05/2023	0.066	0.066	0.066				
May-23	Lead	(mg/L)	Monthly during discharge	1	3/05/2023	< 0.001	< 0.001	< 0.001				
May-23	Manganese	(mg/L)	Monthly during discharge	1	3/05/2023	<0.005	< 0.005	< 0.005				
May-23	Nickel	(mg/L)	Monthly during discharge	1	3/05/2023	< 0.001	< 0.001	< 0.001				
May-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1	3/05/2023	0.02	0.02	0.02				
May-23	Nitrogen	(mg/L)	Monthly during discharge	1	3/05/2023	0.30	0.30	0.30				
May-23	рН	pH	Monthly during discharge	1	3/05/2023	8.60	8.60	8.60		6.5 - 9.5	No	
May-23	Phosphorus	(mg/L)	Monthly during discharge	1	3/05/2023	0.05	0.05	0.05				
May-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1	3/05/2023	0.01	0.01	0.01				
May-23	Selenium	(mg/L)	Monthly during discharge	1	3/05/2023	0.063	0.063	0.063				
May-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1	3/05/2023	0.3	0.3	0.3				
May-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1	3/05/2023	7	7	7		50	No	
May-23	Vanadium	(mg/L)	Monthly during discharge	1	3/05/2023	0.12	0.12	0.12				
May-23	Zinc	(mg/L)	Monthly during discharge	1	3/05/2023	0.004	0.004	0.004				

POINT 24 Discharge of seepage water from the ash dam rehabilitation area to Mannering Bay marked and shown as EPA ID 24 on The Plans ("VX837351-1 AND "VX837351-2" 03/06/2020 EPA REFERENCE DOC20/476695 AND DOC20/476695-1).

POINT 24	Discharge of seepage water from the ash dam reh	abilitation area to M	lannering Bay marked and shown as I		he Plans ("VX8373	351-1 AND "VX837	351-2" 03/06/2	020 EPA REFERENC	CE DOC20/47669		6695-1).	
				Samples					Discharge	100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample	(yes/no)	Concentration		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	(903/110)	Limit	(yes/no)	Comments
May-23	Aluminium	(mg/L)	Monthly during discharge	1					No			
May-23	Ammonia	(mg/L)	Monthly during discharge	1					No			
May-23	Arsenic (III)	(mg/L)	Monthly during discharge	1					No			
May-23	Arsenic (V)	(mg/L)	Monthly during discharge	1					No			
May-23	Cadmium	(mg/L)	Monthly during discharge	1					No			
May-23	Chromium (trivalent)	(mg/L)	Monthly during discharge	1					No			
May-23	Chromium (VI) Compounds	(mg/L)	Monthly during discharge	1					No			
May-23	Copper	(mg/L)	Monthly during discharge	1					No			
May-23	Iron	(mg/L)	Monthly during discharge	1					No			
May-23	Lead	(mg/L)	Monthly during discharge	1					No			No discharge from EPA Point 24 during May 2023
May-23	Manganese	(mg/L)	Monthly during discharge	1					No			
May-23	Nickel	(mg/L)	Monthly during discharge	1					No			
May-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Monthly during discharge	1					No			
May-23	Nitrogen	(mg/L)	Monthly during discharge	1					No			
May-23	рН	pН	Monthly during discharge	1					No	6.5 - 9.5	No	
May-23	Phosphorus	(mg/L)	Monthly during discharge	1					No			
May-23	Reactive Phosphorus	(mg/L)	Monthly during discharge	1					No			
May-23	Selenium	(mg/L)	Monthly during discharge	1					No			
May-23	Total Kjeldahl Nitrogen	(mg/L)	Monthly during discharge	1					No			
May-23	Total Suspended Solids	(mg/L)	Monthly during discharge	1					No	50	No	
May-23	Vanadium	(mg/L)	Monthly during discharge	1					No			
May-23	Zinc	(mg/L)	Monthly during discharge	1					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	Mean of	Highest Sample	(yes/no)	Concentration		
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	()00)	Limit	(yes/no)	Comments
May-23	Aluminium	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Ammonia	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Arsenic (III)	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Arsenic (V)	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Cadmium	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Chromium (trivalent)	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Chromium (VI) Compounds	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Copper	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Iron	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Lead	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Manganese	(mg/L)	Daily for any discharge >2 hrs						No			No discharge from EPA Point 25 during May 2023
May-23	Nickel	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Nitrate + nitrite (oxidised nitrogen)	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	рН	pН	Daily for any discharge >2 hrs						No	6.5 - 9.5	No	
May-23	Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Reactive Phosphorus	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Selenium	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Total Kjeldahl Nitrogen	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	Total Suspended Solids	(mg/L)	Daily for any discharge >2 hrs						No	50	No	
May-23	Vanadium	(mg/L)	Daily for any discharge >2 hrs						No			
May-23	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

POINT 30	Groundwater quality monitoring bore marked a	ind shown as EPA ID 30) on The Plans ("VX837351-1 AND "V	(837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DO	20/476695-1).				
				Samples						100 Percentile		
				Collected &		Lowest Sample	Mean of	Highest Sample				
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Aluminium	(mg/L)	Quarterly									
May-23	Ammonia	(mg/L)	Quarterly									
May-23	Arsenic (III)	(mg/L)	Quarterly									
May-23	Arsenic (V)	(mg/L)	Quarterly									
May-23	Cadmium	(mg/L)	Quarterly									
May-23	Chromium (trivalent)	(mg/L)	Quarterly									
May-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-23	Copper	(mg/L)	Quarterly									
May-23	Electrical Conductivity	(us/cm)	Quarterly									
May-23	Iron	(mg/L)	Quarterly									Next sample scheduled for July 2023
May-23	Lead	(mg/L)	Quarterly									
May-23	Magnesium	(mg/L)	Quarterly									
May-23	Manganese	(mg/L)	Quarterly									
May-23	Nickel	(mg/L)	Quarterly									
May-23	pH	pН	Quarterly									
May-23	Potassium	(mg/L)	Quarterly									
May-23	Selenium	(mg/L)	Quarterly									
May-23	Sodium	(mg/L)	Quarterly									
May-23	Standing Water Level	(m)	Quarterly									
May-23	Vanadium	(mg/L)	Quarterly									
May-23	Zinc	(mg/L)	Quarterly									

POINT 31	Groundwater quality monitoring bore marked a	nd shown as EPA ID 31	on The Plans ("VX837351-1 AND "V	(837351-2" 0	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	100 Percentile Concentration Limit	Comments
May-23	Aluminium	(mg/L)	Quarterly							
May-23	Ammonia	(mg/L)	Quarterly							
May-23	Arsenic (III)	(mg/L)	Quarterly							
May-23	Arsenic (V)	(mg/L)	Quarterly							
May-23	Cadmium	(mg/L)	Quarterly							
May-23	Chromium (trivalent)	(mg/L)	Quarterly							
May-23	Chromium (VI) Compounds	(mg/L)	Quarterly							
May-23	Copper	(mg/L)	Quarterly							
May-23	Electrical Conductivity	(us/cm)	Quarterly							
May-23	Iron	(mg/L)	Quarterly							
May-23	Lead	(mg/L)	Quarterly							Next sample scheduled for July 2023
May-23	Magnesium	(mg/L)	Quarterly							
May-23	Manganese	(mg/L)	Quarterly							
May-23	Nickel	(mg/L)	Quarterly							
May-23	pH	рН	Quarterly							
May-23	Potassium	(mg/L)	Quarterly							
May-23	Selenium	(mg/L)	Quarterly							
May-23	Sodium	(mg/L)	Quarterly							
May-23	Standing Water Level	(m)	Quarterly							
May-23	Vanadium	(mg/L)	Quarterly							
May-23	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

POINT 32	Groundwater quality monitoring bore marked	d and shown as EPA ID 32	on The Plans ("VX837351-1 AND "V	X837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).				
				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-23	Aluminium	(mg/L)	Quarterly									
May-23	Ammonia	(mg/L)	Quarterly									
May-23	Arsenic (III)	(mg/L)	Quarterly									
May-23	Arsenic (V)	(mg/L)	Quarterly									
May-23	Cadmium	(mg/L)	Quarterly									
May-23	Chromium (trivalent)	(mg/L)	Quarterly									
May-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-23	Copper	(mg/L)	Quarterly									
May-23	Electrical Conductivity	(us/cm)	Quarterly									
May-23	Iron	(mg/L)	Quarterly									
May-23	Lead	(mg/L)	Quarterly									Next sample scheduled for July 2023
May-23	Magnesium	(mg/L)	Quarterly									
May-23	Manganese	(mg/L)	Quarterly									
May-23	Nickel	(mg/L)	Quarterly									
May-23	рН	рН	Quarterly									
May-23	Potassium	(mg/L)	Quarterly									
May-23	Selenium	(mg/L)	Quarterly									
May-23	Sodium	(mg/L)	Quarterly									
May-23	Standing Water Level	(m)	Quarterly									
May-23	Vanadium	(mg/L)	Quarterly									
May-23	Zinc	(mg/L)	Quarterly									

POINT 33	Groundwater quality monitoring bore marked an	nd shown as EPA ID 33	8 on The Plans ("VX837351-1 AND "V)	(837351-2" 03	3/06/2020 EPA RE	FERENCE DOC20/4	76695 AND DOC	20/476695-1).		
Month	Pollutant	Unit of Measure	Sample/Measurement Frequency	Samples Collected & Analysed	Date Sampled	Lowest Sample Value	Mean of Samples	Highest Sample Value	100 Percentile Concentration Limit	Comments
May-23	Aluminium	(mg/L)	Quarterly							
May-23	Ammonia	(mg/L)	Quarterly							
May-23	Arsenic (III)	(mg/L)	Quarterly							
May-23	Arsenic (V)	(mg/L)	Quarterly							
May-23	Cadmium	(mg/L)	Quarterly							
May-23	Chromium (trivalent)	(mg/L)	Quarterly							
May-23	Chromium (VI) Compounds	(mg/L)	Quarterly							
May-23	Copper	(mg/L)	Quarterly							
May-23	Electrical Conductivity	(us/cm)	Quarterly							
May-23	Iron	(mg/L)	Quarterly							Next sample scheduled for July 2023
May-23	Lead	(mg/L)	Quarterly							
May-23	Magnesium	(mg/L)	Quarterly							
May-23	Manganese	(mg/L)	Quarterly							
May-23	Nickel	(mg/L)	Quarterly							
May-23	pH	рН	Quarterly							
May-23	Potassium	(mg/L)	Quarterly							
May-23	Selenium	(mg/L)	Quarterly							
May-23	Sodium	(mg/L)	Quarterly							
May-23	Standing Water Level	(m)	Quarterly							
May-23	Vanadium	(mg/L)	Quarterly							
May-23	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).

POINT 34	Groundwater quality monitoring bore marked and	a shown as LFA ID 55	OIT THE FIBILS (VA037331-1 AND VA		700/2020 EI A RE	ENERCE DOCLO/-	70055 AND DOC	.20/4/0055-1/.				
				Samples						100 Percentile		
				Collected &		Lowest Sample		Highest Sample				
Month	Pollutant		Sample/Measurement Frequency	Analysed	Date Sampled	Value	Samples	Value	Limit	Limit	(yes/no)	Comments
May-23	Aluminium	(mg/L)	Quarterly									
May-23	Ammonia	(mg/L)	Quarterly									
May-23	Arsenic (III)	(mg/L)	Quarterly									
May-23	Arsenic (V)	(mg/L)	Quarterly									
May-23	Cadmium	(mg/L)	Quarterly									
May-23	Chromium (trivalent)	(mg/L)	Quarterly									
May-23	Chromium (VI) Compounds	(mg/L)	Quarterly									
May-23	Copper	(mg/L)	Quarterly									
May-23	Electrical Conductivity	(us/cm)	Quarterly									
May-23	Iron	(mg/L)	Quarterly									Next sample scheduled for July 2023
May-23	Lead	(mg/L)	Quarterly									
May-23	Magnesium	(mg/L)	Quarterly									
May-23	Manganese	(mg/L)	Quarterly									
May-23	Nickel	(mg/L)	Quarterly									
May-23	pH	рН	Quarterly									
May-23	Potassium	(mg/L)	Quarterly									
May-23	Selenium	(mg/L)	Quarterly									
May-23	Sodium	(mg/L)	Quarterly									
May-23	Standing Water Level	(m)	Quarterly									
May-23	Vanadium	(mg/L)	Quarterly									
May-23	Zinc	(mg/L)	Quarterly									

GENERAL COMMENTS