



EPL No:	4560
Entity Name:	CLEANAWAY OPERATIONS PTY LTD
Site:	CORNER OF PONDAGE LINK & HILL RD, HOMEBUSH BAY, NSW, 2127
Monitoring Frequency:	Quarterly, 6 Monthly & Annual (Parameter dependent)
Link to NSW EPA Register:	LINK

Discharge & Monitoring Point 1

Discharge from stack, Main Thermal Oil Heater stack (MTOH). Shown as point A on the Plant Layout Site Plan Discharge Points; drawing L-M-020, Edition F, dated 21/11/97.

Pollutant	Unit of measure	EPL Limit	No. of samples required per reporting period*	No. of samples collected and analysed to date*	Sample 1	Exceedance (Yes / No)	Sample 2	Exceedance (Yes / No)	Lowest sample value *	Mean of sample *	Highest sample value *
Cadmium	milligrams per cubic metre	1	1	0	-	-	MTOH non-operational in alignment with notification to NSW EPA. Monitoring in November 2022 was undertaken in alignment with EPL.	-	0	0	0
Carbon dioxide	percent	-	1	0	-	-		-	0	0	0
Carbon monoxide	milligrams per cubic metre	-	1	0	-	-		-	0	0	0
Chlorine	grams per cubic metre	200	1	0	-	-		-	0	0	0
Dioxins & Furans	nanograms per cubic metre	0.1	2	1	0.0021	No		-	0.0021	0.0021	0.0021
Fluorine	milligrams per cubic metre	50	1	0	-	-		-	0	0	0
Hydrogen chloride	grams per cubic metre	100	1	0	-	-		-	0	0	0
Hydrogen Sulfide	grams per cubic metre	5	1	0	-	-		-	0	0	0
Mercury	milligrams per cubic metre	1	1	0	-	-		-	0	0	0
Moisture content	percent	-	1	1	1	No		-	1	1	1
Molecular weight of stack gases	grams per gram mole	-	1	1	29	No		-	29	29	29
Nitric acid	grams per cubic metre	-	1	0	-	-		-	0	0	0
Nitrogen Oxides	grams per cubic metre	2000	1	0	-	-		-	0	0	0
Odour	odour units times cubic metres per	-	4	1	103.3333333	No		-	103.3333333	103.3333333	103.3333333
Oxygen (O2)	percent	-	1	0	-	-		-	0	0	0
Solid Particles	milligrams per cubic metre	100	1	0	-	-		-	0	0	0
Sulfuric acid mist and sulfur trioxide (as	milligrams per cubic metre	80	1	0	-	-		-	0	0	0
Temperature	Kelvin	-	1	1	305	No		-	305	305	305
Type 1 and Type 2 substances in	milligrams per cubic metre	5	1	0	-	-		-	0	0	0
Velocity	metres per second	-	1	1	5.6	No		-	5.6	5.6	5.6
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	1	2.2	No	-	2.2	2.2	2.2	
					15/12/2022	13/12/2022	3/11/2022		N/A	N/A	N/A
					Published Date	Report Date	Sample Date		Published Date	Report Date	Sample Date

Discharge & Monitoring Point 2

Discharge from stack, Auxiliary Thermal Oil Heater stack (ATOH). Shown as point B on the Plant Layout Site Plan Discharge Points; drawing L-M-020, Edition F, dated 21/11/97.

Pollutant	Unit of measure	EPL Limit	No. of samples required per reporting period*	No. of samples collected and analysed to date*	Sample 1	Exceedance (Yes / No)	Lowest sample value *	Mean of sample *	Highest sample value *	
Carbon dioxide	percent	-	1	1	7.8	No	7.8	7.8	7.8	
Nitrogen Oxides	grams per cubic metre	2000	1	1	110	No	110	110	110	
Moisture content	percent	-	1	1	18	No	18	18	18	
Molecular weight of stack gases	grams per gram mole	-	1	1	27.6	No	27.6	27.6	27.6	
Oxygen (O2)	percent	-	1	1	6.9	No	6.9	6.9	6.9	
Temperature	Kelvin	-	1	1	485	No	485	485	485	
Velocity	metres per second	-	1	1	3.2	No	3.2	3.2	3.2	
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	1	1.2	No	1.2	1.2	1.2	
					27/06/2023	14/06/2023	25/05/2023			
					Published Date	Report Date	Sample Date			

Discharge & Monitoring Point 4

Discharge from stack, Odour Control Furnace (OCF). Shown as point D on the Plant Layout Site Plan; Drawing L-M-020, Edition F, dated 21/11/97.

Pollutant	Unit of measure	EPL Limit	No. of samples required per reporting period*	No. of samples collected and analysed to date*	Sample 1			Sample 2			Sample 3			Sample 4			Sample 5			Lowest sample value*	Mean of sample *	Highest sample value*					
					Exceedance (Yes / No)	Value	Unit	Exceedance (Yes / No)	Value	Unit	Exceedance (Yes / No)	Value	Unit	Exceedance (Yes / No)	Value	Unit	Exceedance (Yes / No)	Value	Unit				Exceedance (Yes / No)	Value	Unit		
Cadmium	milligrams per cubic metre	1	1	1	-	-	-	-	-	0.0006	No	-	-	-	-	-	-	-	0.0006	0.0006	0.0006						
Carbon dioxide	percent	-	1	1	-	-	-	-	-	1	No	-	-	-	-	-	-	-	1	1	1						
Carbon monoxide	milligrams per cubic metre	-	1	1	-	-	-	-	-	22	No	-	-	-	-	-	-	-	22	22	22						
Chlorine	grams per cubic metre	200	1	1	-	-	-	-	-	0.13	No	-	-	-	-	-	-	-	0.13	0.13	0.13						
Dioxins & Furans	nanograms per cubic metre	0.1	2	2	0.0062	No	-	-	-	0.0021	No	-	-	-	-	-	-	0.0021	0.00415	0.0062							
Fluorine	milligrams per cubic metre	50	1	1	-	-	-	-	-	0.12	No	-	-	-	-	-	-	-	0.12	0.12	0.12						
Hydrogen chloride	grams per cubic metre	100	1	1	-	-	-	-	-	0.18	No	-	-	-	-	-	-	-	0.18	0.18	0.18						
Hydrogen Sulfide	grams per cubic metre	5	1	1	-	-	-	-	-	0.5	No	-	-	-	-	-	-	-	0.5	0.5	0.5						
Mercury	milligrams per cubic metre	1	1	1	-	-	-	-	-	0.0007	No	-	-	-	-	-	-	-	0.0007	0.0007	0.0007						
Moisture content	percent	-	1	5	2	No	-	1.1	-	2.5	No	3.3	-	1.7	-	-	-	1.1	2.12	3.3							
Molecular weight of stack gases	grams per gram mole	-	1	5	28.8	No	-	28.9	-	28.8	No	28.6	-	28.9	-	-	-	28.6	28.8	28.9							
Nitric acid	grams per cubic metre	-	1	1	-	-	-	-	-	0.81	No	-	-	-	-	-	-	-	0.81	0.81	0.81						
Nitrogen Oxides	grams per cubic metre	2000	1	1	-	-	-	-	-	22	No	-	-	-	-	-	-	-	22	22	22						
Odour	odour units times cubic metres per	-	4	5	6500	No	-	5333.333333	-	5166.666667	No	-	-	240	-	-	-	240	4614.666667	6500							
Oxygen (O2)	percent	-	1	1	-	-	-	-	-	19.7	No	-	-	-	-	-	-	-	19.7	19.7	19.7						
Solid Particles	milligrams per cubic metre	100	1	1	-	-	-	-	-	3.5	No	-	-	-	-	-	-	-	3.5	3.5	3.5						
Sulfuric acid mist and sulfur trioxide (as	milligrams per cubic metre	80	1	1	-	-	-	-	-	0.55	No	-	-	-	-	-	-	-	0.55	0.55	0.55						
Temperature	Kelvin	-	1	5	470	No	-	433	-	470	No	466	-	466	-	-	-	433	461	470							
Type 1 and Type 2 substances in	milligrams per cubic metre	5	1	1	-	-	-	-	-	0.024	No	-	-	-	-	-	-	-	0.024	0.024	0.024						
Velocity	metres per second	-	1	5	15	No	-	10	-	15	No	14	-	14	-	-	-	10	13.6	15							
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	5	9.4	No	-	7.1	-	10	No	9.1	-	9.1	-	-	-	7.1	8.94	10							
					15/12/2022	13/12/2022	26/10/2022			15/12/2022	13/12/2022	3/11/2022			13/04/2023	11/04/2023	7/02/2023			27/06/2023	14/06/2023	25/05/2023			10/08/2023	9/08/2023	27/07/2023
					Published Date	Report Date	Sample Date			Published Date	Report Date	Sample Date			Published Date	Report Date	Sample Date			Published Date	Report Date	Sample Date			Published Date	Report Date	Sample Date