



EPL No:	4560
Entity Name:	CLEANAWAY OPERATIONS PTY LTD
Site:	CORNER OF PONDAGE LINK & HILL RD, HOMEBUSH BAY, NSW 2127
Monitoring Frequency:	Quarterly & 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	-	N/A	MTOH non-operational in alignment with notification to NSW EPA. Monitoring in November 2023 was undertaken in alignment with EPL.	N/A	0	0	0
Carbon dioxide	percent	-	1	0	-	N/A		N/A	0	0	0
Carbon monoxide	milligrams per cubic metre	-	1	0	-	N/A		N/A	0	0	0
Chlorine	grams per cubic metre	200	1	0	-	N/A		N/A	0	0	0
Fluorine	milligrams per cubic metre	50	1	0	-	N/A		N/A	0	0	0
Hydrogen chloride	grams per cubic metre	100	1	0	-	N/A		N/A	0	0	0
Hydrogen Sulfide	grams per cubic metre	5	1	0	-	N/A		N/A	0	0	0
Mercury	milligrams per cubic metre	1	1	0	-	N/A		N/A	0	0	0
Moisture content	percent	-	1	1	3.4	N/A		N/A	3.4	3.4	3.4
Molecular weight of stack gases (wet)	grams per gram mole	-	1	1	28.7	N/A		N/A	28.7	28.7	28.7
Nitric acid	grams per cubic metre	-	1	0	-	N/A		N/A	0	0	0
Nitrogen Oxides	grams per cubic metre	2000	1	0	-	N/A		N/A	0	0	0
Odour	odour units times cubic metres per second	-	4	0	-	N/A		N/A	0	0	0
Oxygen (O2)	percent	-	1	0	-	N/A		N/A	0	0	0
Solid Particles	milligrams per cubic metre	100	1	0	-	N/A		N/A	0	0	0
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	80	1	0	-	N/A		N/A	0	0	0
Temperature	Kelvin	-	1	1	309	N/A		N/A	309	309	309
Type 1 and type 2 substances in	milligrams per cubic metre	5	1	0	-	N/A		N/A	0	0	0
Velocity	metres per second	-	1	1	6.6	N/A	N/A	6.6	6.6	6.6	
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	1	2.5	N/A	N/A	2.5	2.5	2.5	
					21/12/2023	13/12/2023	30/11/2023	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., Auxillary 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	8.3	N/A	8.3	8.3	8.3	
Nitrogen Oxides	grams per cubic metre	2000	1	1	100	No	100	100	100	
Moisture content	percent	-	1	1	15	N/A	15	15	15	
Molecular weight of stack gases (wet)	grams per gram mole	-	1	1	28	N/A	28	28	28	
Oxygen (O2)	percent	-	1	1	6.9	N/A	6.9	6.9	6.9	
Temperature	Kelvin	-	1	1	480	N/A	480	480	480	
Velocity	metres per second	-	1	1	3	N/A	3	3	3	
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	1	1.1	N/A	1.1	1.1	1.1	
					21/12/2023	13/12/2023	30/11/2023			
					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	Exceedance (Yes / No)	Sample 2	Exceedance (Yes / No)	Sample 3	Exceedance (Yes / No)	Sample 4	Exceedance (Yes / No)	Lowest sample value *	Mean of sample *	Highest sample value *				
Cadmium	milligrams per cubic metre	1	1	1	-	N/A	-	N/A	0.011	No		N/A	0.011	0.011	0.011				
Carbon dioxide	percent	-	1	1	-	N/A	-	N/A	0.9	N/A		N/A	0.9	0.9	0.9				
Carbon monoxide	milligrams per cubic metre	-	1	1	-	N/A	-	N/A	31	N/A		N/A	31	31	31				
Chlorine	grams per cubic metre	200	1	1	-	N/A	-	N/A	0.00027	No		N/A	0.00027	0.00027	0.00027				
Fluorine	milligrams per cubic metre	50	1	1	-	N/A	-	N/A	0.078	No		N/A	0.078	0.078	0.078				
Hydrogen chloride	grams per cubic metre	100	1	1	-	N/A	-	N/A	0.00012	No		N/A	0.00012	0.00012	0.00012				
Hydrogen Sulfide	grams per cubic metre	5	1	1	-	N/A	-	N/A	<0.0005	No		N/A	0	0	0				
Mercury	milligrams per cubic metre	1	1	1	-	N/A	-	N/A	0.019	No		N/A	0.019	0.019	0.019				
Moisture content	percent	-	1	3	1.6	N/A	2.9	N/A	2.3	N/A	2.5	N/A	1.6	2.26666667	2.9				
Molecular weight of stack gases (wet)	grams per gram mole	-	1	3	28.9	N/A	28.7	N/A	28.8	N/A	28.8	N/A	28.7	28.8	28.9				
Nitric acid	grams per cubic metre	-	1	1	-	N/A	-	N/A	0.00099	N/A		N/A	0.00099	0.00099	0.00099				
Nitrogen Oxides	grams per cubic metre	2000	1	1	-	N/A	-	N/A	0.046	No		N/A	0.046	0.046	0.046				
Odour	odour units times cubic metres per second	-	4	4	10166.66667	N/A	4666.666667	N/A	6333.333333	N/A	16666.66667	N/A	4666.666667	7055.555556	16666.66667				
Oxygen (O2)	percent	-	1	1	-	N/A	-	N/A	19.5	N/A		N/A	19.5	19.5	19.5				
Solid Particles	milligrams per cubic metre	100	1	1	-	N/A	-	N/A	<2	No		N/A	0	0	0				
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	80	1	1	-	N/A	-	N/A	0.21	No		N/A	0.21	0.21	0.21				
Temperature	Kelvin	-	1	3	466	N/A	469	N/A	469	N/A	469	N/A	466	468.25	469				
Type 1 and Type 2 substances in	milligrams per cubic metre	5	1	1	-	N/A	-	N/A	≤0.049	No		N/A	0	0	0				
Velocity	metres per second	-	1	3	14	N/A	14	N/A	15	N/A	15	N/A	14	14.5	15				
Volumetric flowrate (Wet STP)	normalised cubic metres per second	-	1	3	9	N/A	9.3	N/A	10	N/A	10	N/A	9	9.575	10				
					21/12/2023	13/12/2023	30/11/2023		20/05/2024	17/05/2024	7/03/2024		18/07/2024	16/07/2024	7-8/05/2024		4/10/2024	29/08/2024	6/08/2024
					Published Date	Report Date	Sample Date		Published Date	Report Date	Sample Date		Published Date	Report Date	Sample Date		Published Date	Report Date	Sample Date