

Emission Sources - Maximum Allowable Emission Rates

Permit Number 160845

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
HAZARDOUS WASTE INCINERATOR				
INC-001	Incinerator Stack	NO _x	229.00	1003.00
		CO	143.87	63.70
		SO ₂	10.00	43.80
		PM	8.60	37.60
		PM ₁₀	8.60	37.60
		PM _{2.5}	8.60	37.60
		VOC	2.50	10.95
		HCl	10.00	43.80
		Lead	0.02	0.10
		Beryllium	<0.01	<0.01
		Mercury	<0.01	0.01
		Fluorides (HF)	0.67	2.95
		Sulfuric Acid Mist	0.54	2.35
		Reduced Sulfur (H ₂ S)	0.53	2.33
		Vinyl Chloride	0.17	0.75
		Asbestos	<0.01	<0.01
INC-002	Incinerator Area Fugitives (5)	VOC	2.20	9.64
INC-CT01	Incinerator Cooling Tower	PM	1.47	3.85
		PM ₁₀	1.47	3.85
		PM _{2.5}	1.47	3.85
INC-FWD	Incinerator Front Wall Drum	PM	1.32	0.02
		PM ₁₀	1.32	0.02
		PM _{2.5}	1.32	0.02
INC-LOAD	Incinerator Area Loading/Unloading	VOC	12.58	2.00
INC-SAMPLE	Incinerator Sampling	VOC	0.99	0.77

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
INC-SP	Incinerator Seal Pots	VOC	0.07	0.01
INC-SCB	Incinerator Sample Bay Carbon Bed	VOC	1.50	0.35
INC-CSCB	Incinerator Container Storage Carbon Bed	VOC	3.01	0.69
INC-TFCB	Incinerator Tank Farm Carbon Bed	VOC	3.01	0.18
INC-REPAC	Incinerator Repackaging	VOC	3.48	1.34
MAINTENANCE START-UP, AND SHUTDOWN EMISSIONS				
INC-MAINT	Incinerator Maintenance	VOC	36.71	2.02
		PM	107.38	2.93
		PM ₁₀	107.38	2.93
		PM _{2.5}	107.38	2.93
	The firing of natural gas auxiliary fuel during start-up period	NO _x	11.36	3.14
		CO	5.02	1.39
		VOC	0.33	0.09
		SO ₂	<0.01	<0.01
	The firing of natural gas auxiliary fuel during shutdown period	NO _x	13.23	2.84
		CO	5.85	1.25
		VOC	0.38	0.08
		SO ₂	<0.01	<0.01
INC-ASH	Incinerator Ash Management	PM	0.78	0.02
		PM ₁₀	0.78	0.02
		PM _{2.5}	0.78	0.02
INC-SLAG	Incinerator Slag Management	PM	93.50	4.61
		PM ₁₀	93.50	4.61
		PM _{2.5}	93.50	4.61
VAC-LOAD	Vacuum Loading	VOC	1.99	0.56
VAC-UNLOAD	Vacuum Unloading	VOC	2.05	0.58
FUG-MAINT	Fugitive Maintenance	VOC	0.12	0.80

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
LINE-PURGE	Liquid Line Purging	VOC	3.75	3.32
REFR-REPL	Refractory Replacement	NO _x	3.51	0.11
		CO	1.49	0.05
		SO ₂	0.02	<0.01
		VOC	0.21	0.01
		PM	0.78	0.01
		PM ₁₀	0.52	0.01
		PM _{2.5}	0.52	0.01
TANK-VENT	TANK-VENT	VOC	0.14	<0.01
INC-TRANS	INC-TRANS	VOC	0.03	<0.01
INC-ADD	INC-ADD	PM	0.09	0.01
		PM ₁₀	0.09	0.01
		PM _{2.5}	0.09	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: June 22, 2020