

Emission Sources - Maximum Allowable Emission Rates

Permit Number 49050

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)
CONV3_ENTR	Converter / Hydrogenator 3	PM	0.17	0.13
		PM ₁₀	0.17	0.13
		PM _{2.5}	0.17	0.13
CONV4_ENTR	Converter / Hydrogenator 4	PM	0.17	0.13
		PM ₁₀	0.17	0.13
		PM _{2.5}	0.17	0.13
COOL-CON	Cooling Tower for Converters	PM	0.37	1.62
		PM ₁₀	0.37	1.62
		PM _{2.5}	0.37	1.62
		Cl ₂	<0.01	0.01
		Br ₂	<0.01	0.04
COOL-EVAP	Cooling Tower Evaporator 1	PM	0.29	1.26
		PM ₁₀	0.29	1.26
		PM _{2.5}	0.29	1.26
		Cl ₂	<0.01	0.01
COOL-WFE	Cooling Tower WFEs	PM	0.23	1.02
		PM ₁₀	0.23	1.02
		PM _{2.5}	0.23	1.02

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FU-5	Fugitive Components (5)	VOC	0.05	0.22
FU-6	Flaking/Bagging Building Fugitives (5)	PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
HEAT-7	Heater No. 7	VOC	0.03	0.12
		NO _x	0.49	2.15
		SO ₂	< 0.01	0.01
		PM	0.04	0.16
		PM ₁₀	0.04	0.16
		PM _{2.5}	0.04	0.16
		CO	0.41	1.80
LOAD_TC1	Tankcar Load/Unload E. Track	VOC	0.08	< 0.01
		PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	0.01	<0.01
LOAD_TR_E	Truck Load/Unload / East	VOC	0.04	<0.01
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
LOAD_TR_W	Truck Load/Unload / West	PM	0.10	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.10	0.01

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SCRUB-1	T-45 Drying emissions	PM	0.05	0.08
		PM ₁₀	0.05	0.08
		PM _{2.5}	0.05	0.08
T-27	Sweet Water Tank T-27	VOC	0.31	0.08
T-28	Sweet Water Tank T-28	VOC	0.31	0.08
T-29	Sweet Water Tank T-29	VOC	0.31	0.08
T-SCRAP2	FA Derivatives Recovery Tank 2	PM	1.06	0.18
		PM ₁₀	1.06	0.18
		PM _{2.5}	1.06	0.18
T44-BDWN	Splitter Blowdown Tank 44	PM	0.08	0.09
		PM ₁₀	0.08	0.09
		PM _{2.5}	0.08	0.09
T45-BDWN	Splitter Blowdown Tank 45	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	0.01	<0.01
T46-BDWN	Splitter Blowdown Tank 46	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	0.01	<0.01
T-42, T-43, T-108	Filter Press MSS	PM	0.20	0.03
		PM ₁₀	0.20	0.03
		PM _{2.5}	0.20	0.03

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T_WFE_STM	Steam Collection Tank MSS	VOC	2.82	0.02
		PM	0.18	0.01
		PM ₁₀	0.18	0.01
		PM _{2.5}	0.18	0.01
T-51	Pitch Tank T-51	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-55	Split Tallow / Pitch Tank T-55	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-56	Split Tallow / Pitch Tank T-56	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-59	Stearic Acid / Pitch Tank T-59	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-60	Pitch Tank T-60	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T64-BDWN	Splitter / Blowdown Tank T-64	PM	0.23	0.09
		PM ₁₀	0.23	0.09
		PM _{2.5}	0.23	0.09

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T-90	Pitch Tank T-90	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-91	Pitch Tank T-91	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-93	Pitch Tank T-93	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-94	Pitch Tank T-94	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
T-95	Pitch Tank T-95	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<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
- Cl₂ - chlorine
- Br₂ - bromine
- (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: October 25, 2013