EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3069A

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. 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 * lb/hr	TPY**
B-1	400-Hp Boiler	VOC	0.11	0.40
		NO_x	4.03	7.94
		CO	1.98	6.05
		SO_2	5.09	5.04
		PM_{10}	0.36	0.66
B-2	400-Hp Boiler	VOC	0.11	0.40
		NO_x	4.03	7.94
		CO	1.98	6.05
		SO_2	5.09	5.04
		PM_{10}	0.36	0.66
BOT-9	Batch Out Tank	VOC	0.01	0.01
D-1	Centrifugal Dryer D-1	VOC	0.62	2.72
D-2	Centrifugal Dryer D-2	VOC	0.62	2.72
D-3	Centrifugal Dryer D-3	VOC	0.62	2.72
D-4	Centrifugal Dryer D-4	VOC	0.62	2.72
VCU	Vapor Combustion Unit			
TO-1	Thermal Oxidizer			
CD-2	Alternative Control Device-2	VOC	6.76	28.62
	combined VCU/TO-1/CD	NO_x	2.25	9.86
		CO	8.24	36.11
MUTVENT-1	Blower Vent from Poly Silo	PM_{10}	0.06	0.26
	to MUT			
MUTVENT-2	Blower Vent from Poly Silo	PM_{10}	0.26	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	Emission Rates * TPY**
		to MUT		
P-1	Torit Filter	PM_{10}	0.26	0.06
R-9	Reactor 9	VOC	31.54	2.62
REACTFUG-1	Reactor 1 Manway Fugitives	VOC	11.82	0.90
REACTFUG-2	Reactor 2 Manway Fugitives	VOC	11.82	0.90
REACTFUG-3	Reactor 3 Manway Fugitives	VOC	11.82	0.90
REACTFUG-4	Reactor 4 Manway Fugitives	VOC	11.82	0.90
REACTFUG-5	Reactor 5 Manway Fugitives	VOC	11.82	0.90
REACTFUG-6	Reactor 6 Manway Fugitives	VOC	15.06	1.15
REACTFUG-7	Reactor 7 Manway Fugitives	VOC	15.06	1.15
REACTFUG-8	Reactor 8 Manway Fugitives	VOC	11.82	0.90
RPV-1	Reactor 1, 6, 7, and 8 Purge Vent	VOC	26.88	0.82
RPV-2	Reactor 2 Purge Vent	VOC	11.82	0.18

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
RPV-3	Reactor 3 Purge Vent	VOC	11.82	0.18
RPV-4	Reactor 4 Purge Vent	VOC	11.82	0.18
RPV-5	Reactor 5 Purge Vent	VOC	11.82	0.18

RPV-9	Reactor 9 Purge Vent	VOC	31.54	0.48	
RPV-10	Reactor 10 Purge Vent	VOC	31.54	0.48	
RPV-11	Reactor 11 Purge Vent	VOC	31.54	0.48	
S-1	Polystyrene Silo	PM_{10}	0.04	0.06	
S-2	Polystyrene Silo	PM_{10}	0.04	0.06	
S-3	Polystyrene Silo	PM_{10}	0.04	0.06	
S-4	Polystyrene Silo	PM_{10}	0.04	0.06	
S-5	Polystyrene Silo	PM_{10}	0.04	0.06	
S-6	Polystyrene Silo	PM_{10}	0.04	0.06	
S-7	Polystyrene Silo	PM_{10}	0.04	0.06	
S-8	Polystyrene Silo	PM_{10}	0.04	0.06	
S-9	Polystyrene Silo	PM_{10}	0.04	0.06	
S-10	Polystyrene Silo	PM_{10}	0.04	0.06	
SOCMIFUG	Fugitives (4)	VOC	0.86	3.76	
T-4	Styrene Storage Tank	VOC	0.06	0.16	
T-5	Styrene Storage Tank	VOC	0.06	0.16	
T-6	Styrene Storage Tank	VOC	0.06	0.16	
T-32	HCl Tank	HCl	2.61	0.01	
Wastewater	Wastewater Fugitives	VOC	0.88	0.89	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
VCU	Vapor Combustor	VOC	80.80	29.17
		NOx	2.25	9.86
		CO	8.24	36.11
		SO2	0.01	0.04
PLANT-MSS	MSS Emission Cap (5) (Pentane Equipment MSS, Styrene Equipment MSS, Tank MSS, Blower MSS, Aerosol Can Usage, Painting Operations, PM Filter Changes)	VOC	92.77	4.22
		PM	5.00	0.05

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources, use an 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
CO - carbon monoxide
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
HCl - hydrogen chloride
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) MSS Emission Cap allowables are the sum of the controlled and uncontrolled emissions associated with the planned maintenance, startup, and shutdown activities listed above.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

___ Hrs/day ___ Days/week ___Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

Dated