EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21233

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.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Building 12-19				
(Effective until Building 11-50 is fully operational. Deleted upon full operations at Building 11-50.)				
12-19 FUG	Fugitives (4)	VOC	9.6	2.80
SROTOCLONE	South Rotoclone	VOC	10.3	1.45
		PM	0.10	<0.10
NROTOCLONE	North Rotoclone	VOC	67.0	11.25
		PM	0.10	<0.10
Building 11-36				
(Effective until Building 11-55 is fully operational. Deleted upon full operations at Building 11-55.)				
Scrubber	Vent Scrubber	VOC	52.00	4.50
		PM	0.10	<0.10
FLRSWP	Floor Sweeps	VOC	4.10	0.30
VACKST	Vacuum Pump Exhaust	VOC	2.55	<0.10
MT	Measuring Tank	VOC	0.55	<0.10
WT 1	Waste Trailer 1	VOC	1.20	<0.10
WT 2	Waste Trailer 2	VOC	1.20	<0.10
WT 3	Waste Trailer 3	VOC	1.20	<0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
WT 4	Waste Trailer 4	VOC	1.20	<0.10
Building 11-50, Bays 1,6, and 8				
Building 11-50	Bay 1 Task Exhaust	Total Organics	9.0	3.0 (5)
		PM	0.1	0.1 (5)
		Total HAP		3.0 (5)
		NO_x	3.0	0.5 (5)
		Ammonia	9.9	0.7 (5)
		Sulfur trioxide	0.3	0.1 (5)
	Bay 6 Task Exhaust	Total Organics	9.0	
		NO_x	3.0	
		PM	0.1	
		NO_x	3.0	
		Ammonia	9.9	
		Sulfur trioxide	0.3	
	Bay 8 Task Exhaust	Total Organics	9.0	
		PM	0.1	
		NO_x	3.0	
		Ammonia	9.9	
		Sulfur trioxide	0.3	
Building 11-50, Bays 2, 3, 5, and 7				
Building 11-50	Bay 2 Task Exhaust	Total Organics	5.5	1.0 (6)
		PM	0.2	0.3 (6)
		Total HAP		1.0 (6)
	Bay 3 Task Exhaust	Total Organics	5.5	
		PM	0.2	
	Bay 5 Task Exhaust	Total Organics	5.5	
		PM	0.2	
	Bay 7 Task Exhaust	Total Organics	5.5	
		PM	0.2	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Building 11-50, Vacuum Vents 1, 2, and 3				
Building 11-50	Vacuum Vent 1	Total Organics	3.0	1.0 (7)
		PM	3.0	0.1 (7)
		Total HAP		1.0 (7)
		NO_x	7.0	0.5 (7)
		Ammonia	3.0	0.2 (7)
		Sulfur trioxide	0.3	0.01 (7)
	Vacuum Vent 2	Total Organics	3.0	
		PM	3.0	
		NO_x	7.0	
		Ammonia	3.0	
		Sulfur trioxide	0.3	
	Vacuum Vent 3	Total Organics	3.0	
		PM	3.0	
		NO_x	7.0	
		Ammonia	3.0	
		Sulfur trioxide	0.3	
Building 11-55				
PS1	Dust Collector 1 Stack	VOC	17.10	3.97 (8)
		NO_x	0.70	0.22 (8)
		SO_3	0.10	0.10 (8)
		CO	0.64	0.21 (8)
		NH_3	7.50	2.53 (8)
		HCl	0.10	0.10 (8)
		HCN	0.24	0.08 (8)
		Nitric Acid	1.00	<0.01 (8)
		Nitrous Oxide	8.70	2.78 (8)
PS2	Dust Collector 2 Stack	VOC	17.10	
		NO_x	0.70	
		SO_3	0.10	
		CO	0.64	
		NH_3	7.50	
		HCl	0.10	
		HCN	0.24	
		Nitric Acid	1.00	
		Nitrous Oxide	8.70	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
PS3	Dust Collector 3 Stack	VOC	4.60	0.22
		NO_x	0.11	0.01
		SO_3	0.10	<0.01
		CO	<0.01	<0.01
		NH_3	0.10	0.13
		HCl	0.10	0.10
		HCN	<0.01	<0.01
		Nitric Acid	0.05	<0.01
		Nitrous Oxide	0.11	0.04
PS4	Condenser Stack	VOC	9.10	0.24
		NO_x	0.30	0.50
		SO_3	0.50	<0.01
		CO	0.15	0.05
		NH_3	2.00	0.69
		HCl	0.10	0.10
		HCN	0.06	0.02
		Nitric Acid	0.50	<0.01
		Nitrous Oxide	2.07	0.66
		Acetone	4.00	0.14
Tanks	DPM Storage Tanks	VOC	12.20	0.80
	TK1	NH_3	0.06	<0.01
	TK2	Acetone	0.06	<0.01
	TK3			
	TK4			
SEG	Diesel Generator	VOC	<0.10	<0.10
		PM	<0.10	<0.10
		CO	0.10	<0.10
		NO_x	0.50	<0.10
		Aldehydes	<0.10	<0.10
		SO_2	<0.10	<0.10
VPC	Vacuum Pump Condensate	VOC	<0.10	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
Com Fug	Fugitives (4)	VOC	0.39	0.40
		NH_3	0.01	<0.01
		HCl	<0.01	<0.01
		Acetone	0.17	0.18
		Nitric Acid	0.02	<0.01
		Sulfuric Acid	0.06	<0.01
Firing Site 21				
FS-21	Firing Site 21	VOC	131.00	0.76
		PM	97.60	0.51
		NH_3	<0.01	<0.01
		CO	716.00	3.65
		Cl_2	12.00	0.40
		HCl	24.00	0.80
		HCN	<0.01	<0.01
		HF	23.70	0.20
		Nitrous Oxide	0.02	<0.01
		NO_x	50.10	0.38

(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) NH_3 - ammonia
CO - carbon monoxide
HCl - hydrogen chloride
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
SO_3 - sulfur trioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
HCN - hydrogen cyanide
HF - hydrogen fluoride
Cl_2 - chlorine
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

(5) Combined annual emissions from Building 11-50, Bays 1, 6, and 8.
(6) Combined annual emissions from Building 11-50, Bays 2, 3, 5, and 7.
(7) Combined annual emissions from Building 11-50, Vacuum Vents 1, 2, and 3
(8) Combined annual emissions from Building 11-55, PS1 and PS2.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* Emission rates are based on and the facilities are limited by the following maximum operating schedule, per year, per facility until Building 11-50, Bays 1, 6, and 8 start operations:

24 Hrs/day 7 Days/week 52 Weeks/year or ____ Hrs/year

Once Building 11-50, Bays 1, 6, and 8 start operations, the facilities are limited by the following maximum operating schedule, per year, per facility:

16 Hrs/day 7 Days/week 52 Weeks/year or ____ Hrs/year

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

Dated MAR 07 2003