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.

CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission lb/hr	Rates * TPY**
Building 12-19	Name (2)	Name (5)	10/111	1111
(Effective until Building 11-50 is fully operational. Deleted upon full operations at Building 11-50.)			11-50.)	
12-19 FUG	Fugitives (4)	VOC HAP	0.10 0.10	0.10 0.10
SROTOCLONE	South Rotoclone	VOC PM HAP	5.00 0.03 5.00	0.50 0.01 0.50
NROTOCLONE	North Rotoclone	VOC PM HAP	12.00 0.15 12.00	3.40 0.20 3.40
Building 11-50, Bays 1,6	<u>, and 8</u>			
11-50 TE1	Bay 1 Task Exhaust	VOC PM Total HAP NO _x Ammonia Sulfur trioxide	9.00 0.10 3.00 9.90 0.30	3.00 (5) 0.10 (5) 3.00 (5) 0.50 (5) 0.70 (5) 0.10 (5)
11-50 TE6	Bay 6 Task Exhaust	VOC NO _x PM Ammonia Sulfur trioxide	9.00 3.00 0.10 9.90 0.30	

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Ra lb/hrTPY**	tes *
11-50 TE8	Bay 8 Task Exhaust	VOC PM NO _x Ammonia Sulfur trioxide	9.00 0.10 3.00 9.90 0.30	
Building 11-50, Bays 2, 3	3, 5, and 7			
11-50 TE2	Bay 2 Task Exhaust	VOC PM Total HAP	0.20	1.00 (6) 0.30 (6) 1.00 (6)
11-50 TE3	Bay 3 Task Exhaust	VOC PM	5.50 0.20	
11-50 TE5	Bay 5 Task Exhaust	VOC PM	5.50 0.20	
11-50 TE7	Bay 7 Task Exhaust	VOC PM	5.50 0.20	
Building 11-50, Vacuum	Vents 1, 2, and 3			
11-50 VV1	Vacuum Vent 1	VOC PM Total HAP NO _x Ammonia Sulfur trioxide	3.00 (7.00 (1.00 (7) 0.10 (7) 1.00 (7) 0.50 (7) 0.20 (7) 0.01 (7)
11-50 VV2	Vacuum Vent 2	VOC PM NO _x Ammonia Sulfur trioxide	3.00 3.00 7.00 3.00 0.30	

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission F lb/hrTPY**	Rates *
11-50 VV3	Vacuum Vent 3	Total Organics PM NO _x Ammonia Sulfur trioxide	3.00 3.00 7.00 3.00 0.30	
Building 11-55				
11-55 PS1	Dust Collector 1 Stack	VOC NO _x SO ₃ CO NH ₃ HCI HCN Nitric Acid Nitrous Oxide HAP	17.10 0.70 0.10 0.64 13.50 0.10 0.24 1.00 7.70	3.97 (8) 0.22 (8) 0.10 (8) 0.21 (8) 4.40 (8) 0.10 (8) 0.08 (8) 0.01 (8) 2.78 (8) 1.51(8)
11-55 PS2	Dust Collector 2 Stack	VOC NO _x SO ₃ CO NH ₃ HCI HCN Nitric Acid Nitrous Oxide	17.10 0.70 0.10 0.64 13.50 0.10 0.24 1.00 7.70	
11-55 PS3	Dust Collector 3 Stack	VOC NO _x SO ₃ CO NH ₃ HCI HCN Nitric Acid Nitrous Oxide HAP	11.93 0.11 0.10 0.01 0.50 0.10 0.01 0.05 0.11	0.57 0.01 0.01 0.01 0.13 0.10 0.01 0.01 0.04 0.16

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hrTPY**	
11-55 PS4	Condenser Stack	VOC NOx SO₃ CO NH₃ HCI HCN Nitric Acid Nitrous Oxide HAP	16.83 0.30 0.50 0.15 2.00 0.10 0.06 0.50 2.07	1.51 0.50 0.01 0.05 0.69 0.10 0.02 <0.01 0.66 0.19
11-55 Tanks	DPM Storage Tanks TK1 TK2 TK3 TK4	VOC NH₃ HAP	12.20 0.20	0.80 0.20 0.02
11-55 VPC	Vacuum Pump Condensate	e VOC	0.10	0.01
11-55 Com Fug	Fugitives (4)	VOC NH₃ HCI HAP	0.10 0.01 0.01	0.40 0.01 0.01 0.16
Firing Sites (9)				
FS-4 FS-10 FS-16 FS-21 FS-22 FS-23 FS-23A FS-23B FS-24A	Outdoor Firing Site 4 Outdoor Firing Site 10 Outdoor Firing Site 16 Outdoor Firing Site 21 Outdoor Firing Site 22 Outdoor Firing Site 23 Outdoor Firing Site 23A Outdoor Firing Site 23B Outdoor Firing Site 24A	VOC PM NH₃ CO Cl₂ HCI HCN HF Nitrous Oxide	131.00 97.60 1.00 716.00 12.00 24.00 1.00 23.70 1.00	0.76 0.51 0.02 3.65 0.40 0.80 0.02 0.20 0.02

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	<u>Emissior</u>	n Rates *
Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
FS-24B Chamber 11-18 Chamber 11-38A Chamber 11-38B	Outdoor Firing Site 24B	NO _x HAP	50.10 76.80	0.38 1.59

- (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) NH₃ ammonia
 - CO carbon monoxide HCl - hydrogen chloride NO_x - total oxides of nitrogen
 - SO₂ sulfur dioxide SO₃ - sulfur trioxide
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - $\,$ PM $\,$ $\,$ particulate matter, suspended in the atmosphere, including $PM_{10}.$
 - PM_{10} particulate matter 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.

HCN - hydrogen cyanideHF - hydrogen fluoride

Cl₂ - chlorine

HAP - hazardous air pollutant

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (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.
- (9) Combined hourly and annual emissions from all Firing Sites. The HAP emission rate listed is the total for all HAPs emitted.
- * 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/day7 Days/week52_ Weeks/year or Hrs/year
**Compliance with annual emission limits is based on a rolling 12-month period.
Dated