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	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
Building 12-19 (Effective until Building 1	1-50 is fully operational	Deleted upon full operation	ons at Building	11-50)
(Encouve until Dalialing 1	is so is raily operational.	Deleted aport fall operation	713 at Ballaling	11 30.)
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 1.00
Building 11-50, Bays 1, 6	5, and 8			
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	

Emission	Source	Air Contaminant	Emission F	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
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	5.50 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 3.00 7.00 3.00 0.30	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	

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

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

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
		_		
11-55 PS4	Condenser Stack	VOC	16.83	1.51
		NO _x	0.30	0.50
		SO₃	0.50	0.01
		CO	0.15 2.00	0.05 0.69
		NH₃ HCl	0.10	0.09
		HCN	0.10	0.10
		Nitric Acid	0.50	<0.02
		Nitrous Oxide	2.07	0.66
		HAP	2.01	0.19
		104		0.13
11-55 Tanks	DPM Storage Tanks	VOC	12.20	0.80
	TK1	NH ₃	0.20	0.20
	TK2	HAP		0.02
	TK3			
	TK4			
11-55 VPC	Vacuum Pump Condensate	e VOC	0.10	0.01
11-55 Com Fug	Fugitives (4)	VOC	0.10	0.40
11-33 Com r ug	r ugitives (4)	NH ₃	0.10	0.40
		HCI	0.01	0.01
		HAP	0.01	0.16
				0.10
Firing Sites				
FS-4	Outdoor Firing Site 4			
FS-10	Outdoor Firing Site 10			
FS-16	Outdoor Firing Site 16			
FS-21	Outdoor Firing Site 21			
FS-22	Outdoor Firing Site 22			
FS-23	Outdoor Firing Site 23			
FS-23A	Outdoor Firing Site 23A			
FS-23B	Outdoor Firing Site 23B			

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emissior</u> lb/hr	Rates *
FS-24A FS-24B Chamber 11-18	Outdoor Firing Site 24A Outdoor Firing Site 24B			
Chamber 11-38B				
Emissions from All Firing	Sites (9)	VOC PM NH₃ CO Cl₂ HCI HCN HF Nitrous Oxide NO _x HAP	131.00 97.60 1.00 716.00 12.00 24.00 1.00 23.70 1.00 50.10 76.80	0.76 0.51 0.02 3.65 0.40 0.80 0.02 0.20 0.02 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) VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

HAP - hazardous air pollutant

 $\,$ 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.

 $NO_{\scriptscriptstyle X}~$ - total oxides of nitrogen

SO₃ - sulfur trioxide

CO - carbon monoxide

 NH_3 - ammonia

HCI - hydrogen chloride HCN - hydrogen cyanide

AIR CONTAMINANTS DATA

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

Cl₂ - chlorine

HF - hydrogen fluoride

- (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, <u>per year, per facility</u> :
	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 September 12, 2005