Permit No. 1567

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 Rates *	Source	Air Contaminant		Emission
Point No. (1)	Name (2)	Name (3)1b/hr		TPY
A-226	Silica Preheater	PM	0.01	0.02
A-227	No. 1 Activator	PM C 72.00	0.01 9.92	0.01
A-228	No. 1 Activator Blow 0.01	Tank	PM	0.04
A-229	Filter, Bins 1 throug 0.04	h 5	PM	0.14
A-230	G-5 Blender Blow Tank	РМ	0.12	0.02
A-231	Filter, Bins 11 throu 0.01	gh 15	PM	0.09
A-232	Filter, Bins 16 throu 0.02	gh 20	PM	0.13
A-233	G5 Catalyst Feed Vent	PM	0.01	<0.01
A-245	Y-System Baghouse Ven	t PM	0.10	0.19
246	Large Flare NO CO	• • •	126.73 7.43 37.84	68.66
A-248	G5 Gas Compressor Seal Oil Vent	VOC	0.20	0.88

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates_
Point No. (1)	Name (2)	Name (3)	lb/hrTi	ΡΥ
A-249	Analyzer Vents	VOC	0.32	1.36
A-401, A-402, A-404, A-615	X-1, X-2, X-5, and Transfer Systems	X-6 PM	0.29	0.69(7)
A-403	X-3 Transfer System	РМ	0.10	0.19
A-409	Blending Bins Bagho	use PM	7.20	2.70
A-540	Master Batch System	Vent <0.01	PM	0.02
1005	G-5 Product Purge B Rotary Feeder Ven		0.04	0.18
A-1029	Resin Seed Bed Vent	(8)	PM	
<u>SILOS</u>				
A-234 A-235 A-236 A-237 A-238 A-239 A-240 A-241 A-242 A-243 A-244 A-399 A-400 A-387	Silo 101 Baghouse Silo 102 Baghouse Silo 103 Baghouse Silo 104 Baghouse Silo 105 Baghouse Silo 106 Baghouse Silo 201 Baghouse Silo 202 Baghouse Silo 203 Baghouse Silo 204 Baghouse Silo 205 Baghouse Silo 206 Baghouse Silo 206 Baghouse			

Emission *	Source	Air Contaminant	Emission Rates		
Point No. (1)	Name (2)	Name (3)	lb/hrTPY		
A-388 A-389 A-390 A-391 A-392 A-393 A-394 A-395 A-396 A-397 A-398	Silo 402 Baghouse Silo 403 Baghouse Silo 404 Baghouse Silo 405 Baghouse Silo 301 Baghouse Silo 302 Baghouse Silo 303 Baghouse Silo 304 Baghouse Silo 305 Baghouse Silo 306 Baghouse				
LENDING BINS	Total Silos	PM VOC	0.15(6) 0.69(7) 6.61(6)11.37(7)		
A-405 A-406	North Blending Bin South Blending Bi	n			
	Total EPNs A-405 and A-406	РМ	0.90(6) 0.49(7)		
Feed Streams	Fugitives (4) (ethylene, butene and isopentane)	, hexene, VOC	7.69 33.66		
Reactor Area	Fugitives (4)	VOC	5.87 25.71		
CATALYST EXPANSION/ISOPENTANE RECOVERY					
1125	No. 4 Activator Ven	t Filter	PM <0.01		
1126	No. 4 Activator Blow Vent Filter	w Tank PM	<0.01 0.01		

Permit No. 1567 Page 4

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hrT	PY
1127	G2 Blender Blow Tan Vent Filter	k PM	<0.01	0.01
1128	G4 Blender Blow Tan Vent Filter	k PM	<0.01	0.01
1129	Catalyst Expansion Area Fugitives (4)) V0C	1.05	4.59
705	Small Flare	VOC NO _X CO	14.41 8.15 12.46	5.03 3.01 4.60
530	THF Tank Vent	VOC	22.06	0.53
535	Bin 7117 Vent Filte	r PM	<0.01	0.01
535L	Bin 7117 Cylinder Loading Filter	PM	<0.01	0.01
1044 (9)	South Ethylene Sieve	e Vent	VOC	<6.00
1045 (9)	West Ethylene Sieve	Vent	VOC	<6.00
	Total EPNs 1044 and	1045	VOC	1.35
1046 (9)	Isopentane Sieves Co Vent	ombined VOC	<6.00	0.94
1047 (9)	Butene Sieves Combi Vent	ned VOC	<6.00	2.56
1048 (9)	Hexene Sieves Combi	ned		

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hrT	PY
	Vent	VOC	<6.00	0.84
UCAT-J FACILITY				
705	Small Flare	VOC NO _x CO	0.82 0.39 0.59	0.37 0.17 0.27
1150	Silica Charge Pot Filter <0.01		РМ	<0.01
1151	Magnesium Chloride Charge Pot Filter	РМ	<0.01	<0.01
1152A	Product Cylinder Ven	t VOC	<0.01	<0.01
1152B	Product Cylinder Ven	t VOC	<0.01	<0.01
1154	Mineral Oil Tank Ven	t VOC	<0.01	<0.01
1155	Fugitives (4)	Inorganic VOC	<0.01 0.46	0.02 2.00
1156A	Fugitives (4)-Silica Truck No. 1	PM	<0.01	<0.01
1156B	Fugitives (4)-Silica Truck No. 2	РМ	<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.

Dated____

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hrTPY
VOC - volati	oxides of nitrogen	as defined in Genera	.l Rule 101.1
· · ·		estimate only and	should not be
(5) Average ar	ourly emission rate	emission rate. remission for large from any one emissi	
.		on rate for the g	roup of listed
(9) These act by Standard Exc	is associated with re ivities and associa	eactor start-up only. ted emissions were No. 30100 on Septem 567.	first authorized
	are based on and num operating schedu	the facilities are le:	limited by the
Hrs/day 8,760	Days/week	Weeks/year	or Hrs/year