#### Permit Numbers 1567 and PSD-TX-118M4

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**
233	G5 Catalyst Feed Vent	PM VOC	0.01 0.31	0.01 1.36
245	Y-System Baghouse Vent	PM	0.10	0.19
246	Large Flare	VOC NO <sub>x</sub> CO <b>(PSD)</b> SO <sub>2</sub>	210.30 29.75 151.57 0.40	65.79 18.26 93.06 0.50
246	Large Flare (Start-Up, Shutdown, and Maintenance	VOC nance) NO <sub>x</sub> CO	507.88 46.31 235.99	2.93 0.27 1.38
248	G5 Gas Compressor Seal Oil Vent	VOC	0.27	1.16
249	Analyzer Vents	zer Vents VOC	0.32	1.37
401, 402, 404, and 615	X-1, X-2, X-5, and X-6 Transfer Systems	РМ	0.29	0.79 (7)
403	X-3 Transfer System	PM	0.10	0.19
409	Blending Bins Baghouse	PM	7.20	2.70
540	Master Batch System Vent	PM	0.02	0.01
1005	G-5 Product Purge Bin Rotary Feeder Vent	РМ	0.02	0.08

Emission	Source	Air Contaminant	Emission F	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**	
1029	Resin Seed Bed Vent (8)	PM	8.13	0.13	
<u>SILOS</u>					
234 H 235 H 236 H 237 H 238 H 239 H 240 H 241 H 242 H 243 H 244 H 399 H 400 H 387 H 388 H 389 H 390 H 391 H 392 H 393 H 394 H 395 H 396 H	Silo 101 Baghouse Silo 102 Baghouse Silo 103 Baghouse Silo 104 Baghouse Silo 105 Baghouse Silo 106 Baghouse Silo 201 Baghouse Silo 201 Baghouse Silo 202 Baghouse Silo 203 Baghouse Silo 204 Baghouse Silo 205 Baghouse Silo 206 Baghouse Silo 401 Baghouse Silo 402 Baghouse Silo 403 Baghouse Silo 404 Baghouse Silo 405 Baghouse Silo 406 Baghouse Silo 301 Baghouse Silo 301 Baghouse Silo 302 Baghouse Silo 303 Baghouse Silo 304 Baghouse				
397 H 398 H	Silo 305 Baghouse Silo 306 Baghouse				
	Total Silos	PM VOC	0.21 (6) 7.03 (6)	0.79 (7) 11.46 (7)	
1081	Block 12 North Catalyst	VOC	5.87	0.85	

Emission	Source	Air Contaminant	Emission Rates *		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**	
	Wash Pot				
1082	Block 12 Middle Catalyst Wash Pot	VOC	5.87	0.85	
1083	Block 12 South Catalyst Wash Pot	VOC	5.87	0.85	
1084	Block 25 Precursor Wash Pot	VOC	5.87	1.45	
1085	Block 25 G-2/G-4 Blender Wash Pot	VOC	5.87 1.45		
BLENDING BINS					
405	North Blending Bin				
406	South Blending Bin				
Total EPNs 405 and 406		РМ	0.90 (6)	0.49 (7)	
766-3	Feed Stream Fugitives (4)	VOC	8.57	37.58	
766-7	Reactor Fugitives (4)	VOC	5.77	25.28	
CATALYST EXPANSION/ISOPENTANE RECOVERY					
1125	No. 4 Activator Vent Filter	Filter PM		0.02	
1126	No. 4 Activator Blow Tank Vent Filter	РМ	0.01	0.01	
1127	G2 Blender Blow Tank Vent Filter	PM VOC	0.01 0.10	0.01 0.45	
1128	G4 Blender Blow Tank Vent Filter	PM VOC	0.01 0.10	0.01 0.45	

Emission	on Source Air Contam		Emission	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**	
1129	Catalyst Expansion Area Fugitives (4) (9)	VOC	1.16	5.09	
705	Small Flare	VOC NO <sub>x</sub> CO <b>(PSD)</b>	17.47 8.17 12.52	5.06 3.02 4.63	
530	THF Tank Vent	VOC	22.06	0.53	
535	Bin 7117 Vent Filter	PM Chromium Metal VOC	0.01 0.01 0.10	0.01 0.01 0.45	
535L	Bin 7117 Cylinder Loading Filter	PM Chromium Metal VOC	0.01 0.01 0.04	0.01 0.01 0.18	
1044	South Ethylene Sieve Vent	VOC	6.00		
1045	West Ethylene Sieve Vent	VOC	6.00		
Total EPNs 1044 and 1045		VOC	1.62		
1046	Isopentane Sieves Combined Vent	VOC	6.0	0.94	
1047	Butene Sieves Combined Vent	VOC	6.0	3.95	
1048	Hexene Sieves Combined Vent	VOC	6.0	0.75	
1007	Catalyst Bin 31 Loading	PM VOC	0.02 0.71	0.09 3.09	
1009	Catalyst Cylinder Loading	PM	0.01	0.01	

Emission	Source	Air Contaminant	Emission	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**	
		VOC	0.02	0.07	
UCAT-J FACILITY					
705	Small Flare	VOC NO <sub>x</sub> CO	0.82 0.39 0.59	0.37 0.17 0.27	
1150	Silica Charge Pot Filter	PM	0.01	0.02	
1151	Magnesium Chloride Charge Pot Filter	РМ	0.01	0.01	
1152A	Product Cylinder Vent	VOC	0.01	0.01	
1152B	Product Cylinder Vent	VOC	0.01	0.01	
1154	Mineral Oil Tank Vent	VOC	0.01	.01	
1155	Fugitives (4)	Inorganic VOC	0.01 0.52	0.02 2.24	
1156A	Fugitives (4)-Silica Truck No. 1	РМ	0.01	0.01	
1156B	Fugitives (4)-Silica Truck No. 2	РМ	0.01	0.01	
1158A	THF Filters	VOC	0.07	0.01	
1158B	THF Filters	VOC	0.07	0.01	
1159A	THF Filters	VOC	0.07	0.01	
1159B	THF Filters	VOC	0.07	0.01	

# AIR CONTAMINANTS DATA

Dated April 2, 2004

Emis	ssion	Source		Air Contaminant		Emission	Rates *
<u>Poin</u>	t No. (1)	Name (2)		Name (3)		lb/hr	TPY**
(1)	Emission po		- either specific e	quipment desigr	nation or e	emission p	oint number
(2) (3)	Specific point PM - part PM <sub>10</sub> - part listed VOC - voc NO <sub>x</sub> - to	nt source names. articulate matter, articulate matter , it shall be assur platile organic cor tal oxides of nitro arbon monoxide	For fugitive source suspended in the a equal to or less to ned that no particum pounds as define gen	atmosphere, inclo han 10 microns llate matter great	uding PM <sub>10</sub> in diamet ter than 10	er. Where microns is	e PM is not s emitted.
(4)	=		timate only and sh	ould not be con	sidered as	a maximu	m allowable
` '	ssion rate.		,				
(5) (6) (7) (8) (9)	Maximum to This EPN is 0.48 tpy of i	tal annual emiss associated with	e from any one en on rates for the gro eactor start-up onl horized through P oided.	oup of listed emis	ssion point	S.	14680. This
* sche	Emission ra edule:	tes are based or	and the facilities	are limited by t	he followir	ng maximu	m operating
	Hrs/day	Days/week	Weeks/year	or Hrs/year <u>8</u>	3,760		
**	Compliance	with annual emis	sion limits is base	d on a rolling 12-	month per	iod.	