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 **

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5572B

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.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY **
19/20	A and B Line Pellet Silos	VOC	2.41	9.78
23	Storage Hopper	PM_{10}	0.055	0.24
24	A and B Finishing and Shipping Roof Fugitives	PM	0.013	0.06
		PM_{10}	0.01	0.03
30	Boiler A	VOC	0.27	1.18
		PM_{10}	0.37	1.63
		NO_x	5.56	24.33
		SO_2	0.03	0.13
		CO	4.12	18.04
33	Cooling Tower	VOC	0.46	2.01
43	RH Loading	VOC	13.63	0.19
44	A and B Flare	VOC	29.80	49.15
		NO_x	3.99	3.79
		SO_2	0.12	0.53

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 **
		CO	20.55	26.79
46A	Tank D-104 (5)	VOC	13.08	0.98
46B	Tank D-105 (5)	VOC	13.08	0.98
49	A and B Fugitives (4)	VOC	4.76	20.85
52	A and B Finishing and Shipping System Losses	VOC	0.35	1.56
56/57	Alumina Bed Filters	VOC	0.26	0.074
110	Line No. 3 Pellet Silo	PM_{10}	0.017	0.19
	VOC	3.97	10.08	
111	Pellet Blending Silos	PM_{10}	1.75	3.82
112	Eultriator Bag Filter	PM_{10}	1.08	2.19
114	Extrusion Vents	PM_{10}	0.062	0.27
120	Boiler C	VOC	0.67	2.93
		PM_{10}	0.92	4.05
		NO_x	4.46	10.86
		SO_2	0.07	0.32
		CO	7.42	32.48
130	New Cooling Tower	VOC	1.01	4.42
140	C Flare (6)	VOC	27.20	3.76
		NO_x	3.64	1.15
		SO_2	0.01	0.01
		CO	18.75	4.13
150	Line No. 3 Fugitives (4)	VOC	1.78	7.77

170	Wastewater Fugitives		VOC	0.11	0.47

MAINTENANCE, START-UP, AND SHUTDOWN EMISSIONS

140	C Flare Routine Start-Up and Shutdowns (7)		VOC	31.43	0.33
			NO_x	4.21	0.04
		CO	21.67	0.23	

(1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
(2) Specific point source names. 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
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 in emitted.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Tank D-104 and Tank D-105 shall not be filled simultaneously.
(6) Emission rates include routine product transitions at the "C" polypropylene production line.
(7) Emission rates are due to routine shutdowns and start-ups of the "C" polypropylene production line for maintenance purposes.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated February 6, 2007