

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9092

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>
T-121/2121	Tank T-121/2121 Seal Pot Vent	VOC	0.02	0.10
T-130	Tank T-130 Breathing Losses	VOC	0.07	0.31
Z-130	Tank T-130 Working Losses	VOC	0.37	<0.01
T-140	Tank T-140 Seal Pot Vent	VOC	0.21	0.92
T-150	Tank T-150 Seal Pot Vent	VOC	0.03	0.15
T-2130	Tank T-2130 Seal Pot Vent	VOC	<0.01	0.02
T-125	Tank T-125 Seal Pot Vent	VOC	1.12	0.02
V-335	Tank V-335	VOC	1.12	0.01
V-362	Tank V-362	VOC	1.12	0.02
V-2340	Tank V-2340	VOC	1.12	<0.01
V-3123	Tank V-3123	VOC	1.23	<0.01
V-3336	Tank V-3336	VOC	1.23	0.02
T-3107	Tank T-3107	VOC	0.50	0.07
Z-2655	Line No. 2 Dryer	VOC	8.09	26.21
		PM <sub>10</sub>	3.69	12.92

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
Z-652	Line No. 1 Aftertreatment Stack	VOC	1.90	4.57
		PM <sub>10</sub>	0.02	0.04
Z-2652	Line No. 2 Aftertreatment Stack	VOC	0.01	0.02
		PM <sub>10</sub>	0.01	0.05
WG-1	Waste Gas from Boilers	VOC	0.96	0.68
		NO <sub>x</sub>	30.00	13.00
Z-2781	Boiler No. 2	VOC	0.16	0.72
		NO <sub>x</sub>	3.00	13.13
		CO	2.52	11.03
		PM <sub>10</sub>	0.23	1.00
		SO <sub>2</sub>	0.02	0.08
Z-1871	Boiler No. 3	VOC	0.38	1.66
		NO <sub>x</sub>	2.21	9.67
		CO	5.79	25.38
		PM <sub>10</sub>	0.52	2.30
		SO <sub>2</sub>	0.04	0.18
Z-3781	Boiler No. 4	VOC	0.55	2.39
		NO <sub>x</sub>	3.18	13.93
		CO	8.35	36.56
		PM <sub>10</sub>	0.76	3.31
		SO <sub>2</sub>	0.06	0.26
WW-1A	Z-670 Wastewater	VOC	<0.01	<0.01
WW-1B	Z-3672 Wastewater	VOC	0.04	0.16
WW-1C	Line No. 3 Wastewater	VOC	0.67	2.94
WW-1D	Line Nos. 1 and 2 Wastewater	VOC	0.05	0.22
F-1	Line Nos. 1 and 2 Fugitives (4)	VOC	0.17	0.76

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
F-2A	Line No. 3 Dissolving Area Fugitives (4)	VOC	0.01	0.02
F-2B	Line No. 3 Polymerization Area Fugitives (4)	VOC	0.07	0.31
F-3A	Area A Tank Farm Fugitives (4)	VOC	0.04	0.17
F-3B	Area B Tank Farm Fugitives (4)	VOC	0.04	0.17
F-3C	Area C Tank Farm Fugitives (4)	VOC	0.04	0.17
F-4	Boiler Area Fugitives (4)	VOC	0.04	0.19
Z-656	Line No. 1 Bagging	PM <sub>10</sub>	0.19	0.83
Z-2656	Line No. 2 Bagging	PM <sub>10</sub>	0.06	0.25
Z-3652	Line No. 3 Aftertreatment Stack	VOC	0.32	1.34
Z-3656	Line No. 3 Bagging	PM <sub>10</sub>	0.29	1.28
F-3603	Dust Collectors	PM <sub>10</sub>	0.29	1.28
L-4014-A1	Test Oven No. 3	VOC	<0.01	<0.01
L-4015-A1	Test Oven No. 4	VOC	<0.01	<0.01

Case 1: FM Production by Modifier Line No. 3

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
Z-655	Line No.1 Dryer (5)	VOC	10.38	24.96
		PM <sub>10</sub>	12.32	29.62
Z-3654	Line No. 3 Dryer (5)	VOC	22.78	12.48
		PM <sub>10</sub>	2.70	9.78

Case 2: FM Production by Modifier Line No. 1

Z-655	Line No. 1 Dryer (5)	VOC	13.60	24.96
		PM <sub>10</sub>	12.32	29.62
Z-3654	Line No. 3 Dryer (5)	VOC	0.73	12.48
		PM <sub>10</sub>	2.70	9.78

- (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 30 Texas Administrative Code Section 101.1.  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 PM<sub>10</sub> - particulate matter, (PM) 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.  
 SO<sub>2</sub> - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Case 1 and Case 2 operations can be interchanged using the authorization granted under the Senate Bill 1126 request dated March 1999. See Special Condition Nos. 29 and 30.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day\_\_\_\_ Days/week\_\_\_\_ Weeks/year\_\_\_\_ or Hrs/year 8,760

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

Dated July 2, 2001