

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	0.08
T-140	Tank T-140 Seal Pot Vent	VOC	0.17	0.76
T-150	Tank T-150 Seal Pot Vent	VOC	0.03	0.12
T-2130	Tank T-2130 Seal Pot Vent	VOC	<0.01	0.02
T-125	Tank T-125 Seal Pot Vent	VOC	1.12	<0.01
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
Z-130	Tank T-130 Working Losses	VOC	0.37	<0.01
T-130	Tank T-130 Breathing Losses	VOC	0.05	0.22
T-3107	Tank T-3107	VOC	0.50	0.06
V-3123	Tank V-3123	VOC	1.23	<0.01
V-3336	Tank V-3336	VOC	1.23	0.02

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			<u>lb/hr</u>	<u>TPY</u>
Z-3781	Boiler No. 4	VOC	0.27	1.17
		NO _x	4.59	20.09
		CO	7.16	31.38
		PM ₁₀	1.31	5.73
		SO ₂	0.06	0.25
G-3	Treater	VOC	1.90	4.42
		PM ₁₀	0.02	0.04
G-5	Line I Bagging	PM ₁₀	0.40	1.80
2ST-2	Line II Dryer	VOC	7.42	24.45
		PM ₁₀	3.65	11.85
2ST-3	Line II Bagging	PM ₁₀	0.10	0.30
2ST-4	Boiler No. 2	VOC	0.09	0.38
		NO _x	3.76	16.45
		CO	1.10	4.80
		PM ₁₀	0.16	0.69
		SO ₂	0.02	0.08
Z-1871	Boiler No. 3	VOC	0.18	0.81
		NO _x	3.96	17.34
		CO	2.64	11.56
		PM ₁₀	0.33	1.45
		SO ₂	0.04	0.17
Z-2652	MA-II Vent	PM ₁₀	0.01	0.04
		VOC	0.01	0.04
Z-3652	Line III Aftertreatment Stack	VOC	1.36	2.50
Z-3656	Bagging Vent	PM ₁₀	0.29	1.28
WG-1	Combusted Waste Gas	VOC	0.68	1.28

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			<u>lb/hr</u>	<u>TPY</u>
		NO _x	66.22	57.89
F-3603	Dust Collectors	PM ₁₀	0.29	1.28
WW-1	Wastewater	VOC	0.05	0.05
F-1	Line I and II Fugitives (4)	VOC	0.17	0.76
F-2A	Line 3 Dissolving Area Fugitives (4)	VOC	0.01	0.04
F-2B	Line 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) Fugitives (4)	VOC	0.04	0.17
<u>Case 1:</u> FM Production by Modifier Line III				
Z-655	Line I Dryer (5)	VOC	10.38	24.10
		PM ₁₀	12.32	28.60
Z-3654	Line III Dryer (5)	VOC	22.78	12.54
		PM ₁₀	2.70	8.25

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			lb/hr	TPY
<u>Case 2:</u> FM Production by Modifier Line I				
Z-655	Line I Dryer (5)	VOC	13.61	24.10
		PM ₁₀	12.32	28.60
Z-3654	Line III Dryer (5)	VOC	0.73	12.54
		PM ₁₀	2.70	8.25

- (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_x - total oxides of nitrogen
 CO - carbon monoxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - 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.
- SO₂ - 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. 28 and 29.

* 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

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Dated August 18, 2000