

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number T-9964

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**
E-DRYBH-01	DFB Bag House	PM <sub>10</sub>	0.008	0.003
		VOC	0.530	0.033
E-DRYBH-02	DFB Bag House	PM <sub>10</sub>	0.023	0.008
		VOC	1.060	0.067
E-DRY-D1	DFB Door	VOC	0.180	0.011
E-DRY-D2	DFB Door	VOC	0.180	0.011
E-DRY-D3	DFB Door	VOC	0.180	0.011
E-LIQBH-01	LFB Bag House	PM <sub>10</sub>	0.001	0.001
E-CF-01	LFB Carbon Bed (Micro Air Cleaner)	PM <sub>10</sub>	0.001	0.001
		VOC	0.040	0.001
		1,1,1 TCA	0.074	0.001
		Acetone	0.004	0.001
E-CF-02	LFB Carbon Bed (Micro Air Cleaner)	PM <sub>10</sub>	0.001	0.001
		VOC	0.040	0.001
		1,1,1 TCA	0.074	0.001
		Acetone	0.004	0.001
E-CF-03	LFB Carbon Bed (Micro Air Cleaner)	PM <sub>10</sub>	0.001	0.001
		VOC	0.040	0.001
		1,1,1 TCA	0.074	0.001
		Acetone	0.004	0.001

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
E-CF-04	LFB Carbon Bed (Micro Air Cleaner)	PM <sub>10</sub>	0.001	0.001
		VOC	0.040	0.001
		1,1,1 TCA	0.074	0.001
		Acetone	0.004	0.001
E-CF-05	LFB Carbon Bed (Micro Air Cleaner)	PM <sub>10</sub>	0.001	0.001
		VOC	0.040	0.001
		1,1,1 TCA	0.074	0.001
		Acetone	0.004	0.001
E-LFB-01	LFB Ventilation Fan	VOC	0.340	0.630
		1,1,1 TCA	0.370	0.001
		Acetone	0.017	0.001
E-LFB-02	LFB Ventilation Fan	VOC	0.340	0.630
		1,1,1 TCA	0.370	0.001
		Acetone	0.017	0.001
E-LFB-03	LFB Ventilation Fan	VOC	0.340	0.630
		1,1,1 TCA	0.370	0.001
		Acetone	0.017	0.001
E-LFB-04	LFB Ventilation Fan	VOC	0.340	0.630
		1,1,1 TCA	0.370	0.001
		Acetone	0.017	0.001
E-LFB-05	LFB Natural Draft Fan	VOC	0.340	0.630
		1,1,1 TCA	0.370	0.001
		Acetone	0.017	0.001
E-ST-01	Storage Tank	VOC	0.047	0.003
E-ST-02	Storage Tank	VOC	0.052	0.008

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			<u>lb/hr</u>	<u>TPY**</u>
E-ST-03	Storage Tank	VOC	0.210	0.030
E-ST-04	Storage Tank	VOC	0.059	0.005
E-ST-05	Storage Tank	VOC	0.086	0.005
E-ST-06	Storage Tank	VOC	0.240	0.008
E-ST-07	Storage Tank	VOC	0.086	0.011
E-F-01	Fugitives (4)	VOC	0.300	1.210

(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) 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.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.

TCA - trichloroethane

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the material throughput limitations listed on the Table 1-2 dated May 2004 entitled "Permit Limitations on Raw Materials In The DFB and LFB" submitted by the applicant in May 2004, and 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.

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Emission	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY**</u>

Dated October 25, 2004