

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1710

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.

(3/24/95)

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
CDR5	CONDENSER, RECYCLE SOLVENT TANKS		VOC		38.83	3.78
TFX35	ALUM. CATALYST STORAGE		VOC		30.90	2.60
TFX61A,B,C:	PURE SOLVENT STORAGE		VOC		30.32	3.96
TFX62A	VIRGIN SOLVENT STORAGE		VOC		32.20	0.89
TFX62B	VIRGIN SOLVENT STORAGE		VOC		3.91	0.89
STR63	VIRGIN HEXANE STRIPPER		VOC		30.53	25.78
CDR131	CONDENSER, HEXADIENE STORAGE		VOC		1.16	0.23
VNT 138	AWWT REACTOR VENT		VOC		1.60	6.48
DRY271	SIEVE DRYERS AND WASTE CATALYST VENT		VOC		6.05	5.56
VNT 305	REACTOR COMPRESSOR DISTANCE PIECES		VOC		1.91	7.72
VNT 306	RECYCLE COMPRESSOR DISTANCE PIECES		VOC		1.48	6.01
VNT 307	HEXADIENE COMPRESSOR DISTANCE PIECES		VOC		2.53	10.16

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
VNT 400	ISOLATION VENT	VOC	0.08	0.34
SAM 401	SAMPLE LAB HOOD	VOC	0.47	0.98
VNT 406	PELLET DUSTING BAG FILTER	PM	0.50	2.01
DEW 36A,B,C:	DEWATER EXHAUSTS	VOC	199.83	297.30
DRY 36A,B,C:	DRYER EXHAUSTS	VOC	135.60	178.20
		LOW MOL.WT.OIL	14.76	21.48
CCE 36A,B,C:	COOLER CONVEYOR EXHAUSTS	VOC	200.31	243.00
		LOW MOL.WT.OIL	7.86	11.43
		PM	6.90	27.98
DL 36D1,D2:	D-BLDG. EXHAUSTS	VOC	118.18	120.94
		LOW MOL.WT.OIL	4.98	7.26
DL 36E1,E2:	E-BLDG. EXHAUSTS	VOC	118.18	120.94
		LOW MOL.WT.OIL	4.98	7.26
DL 36DE	D AND E BLDG. EXHAUSTS	VOC	36.61	64.00
		LOW MOL.WT.OIL	1.66	2.42
<b>---FUGITIVE EMISSIONS---</b>				
FDITCH	WASTEWATER DITCH	VOC	4.19	9.80
FAWWT	AWWT REACTOR AREA	VOC	0.20	0.80
FCOOLT	COOLING TOWER	VOC	0.93	3.74

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
FDRY		DRYER BUILDING		VOC	51.19	110.26
FPACK		PACKAGING BUILDING		VOC	0.22	0.88
FAEC		AEC AREA		VOC	0.69	3.03
FBLNTK		BLEND TANK		VOC	0.91	3.98
FBDUS		BUTADIENE UNLOAD/STORE		VOC	1.05	4.60
FALCAT		ALUM. CATALYST UNLOAD/STORE		VOC	1.01	4.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
FETPRL		ETHYLENE AND PROPYLENE PIPELINE	VOC	0.93 4.06
FMPRX		HEXADIENE AND POLYMER BUILDING	VOC	30.30 122.56
FRRUNL		RAIL CAR UNLOAD	VOC	0.55 2.21
FRSMST		RECYCLE SOLVENT AND HEXADIENE STORAGE	VOC	3.76 16.85
FSTMST		STEAM STILL AREA	VOC	3.00 12.11
FSVTF		SOLVENT TANK FARM	VOC	4.77 20.90

(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) HEXANE (") - all isomers of hexane.  
VOC - volatile organic compounds as defined in General Rule 101.1

(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 following maximum operating schedule:

Hrs/day\_\_\_Days/week\_\_\_Weeks/year\_\_\_or Hrs/year 8,760

Dated 3-24-95