

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.

AIR CONTAMINANTS DATA

<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
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
DRY271	Sieve Dryers and Waste Catalyst Vent	VOC	6.05	5.56
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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u> lb/hr	<u>TPY</u>	
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-Building Exhausts 120.94	VOC	118.18	
		Low Mol. Wt. Oil	4.98	7.26
DL 36E1,E2:	E-Building Exhausts	VOC	118.18	120.94
		Low Mol. Wt. Oil	4.98	7.26
DL 36DE	D and E Building Exhausts	VOC	36.61	64.00
		Low Mol. Wt. Oil	1.66	2.42

---FUGITIVE EMISSIONS (4)---

FDITCH	Wastewater Ditch	VOC	4.19	9.80
FCOOLT	Cooling Tower	VOC	0.93	0.30
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

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
FBDUS	Butadiene Unload/Store	VOC	1.05	4.60
FALCAT	Alum. Catalyst Unload/Store	VOC	1.01	4.40
FETPRL	Ethylene and Propylene Pipeline	VOC	0.93	4.06
FMCCMP	Reactor Compressor Distance Pieces	VOC	1.91	7.72
FMPRX	Hexadiene and Polymer Building	VOC	30.30	122.56
FRCCMP	Recycle Compressor Distance Pieces	VOC	1.48	6.01
FRRUNL	Rail Car Unload	VOC	0.55	2.21
FRSMST	Recycle Solvent and Hexadiene Storage	VOC	3.76	16.85
FRXCM	Hexadiene Compressor Distance Pieces	VOC	2.53	10.16
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.

PM - particulate matter.

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 _____