

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1685

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, sources, and related activities. 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 0	Emission Rates	
			lbs/hour	TPY (3)
A-160	Tank Vent	VOC	0.01	0.01
A-203	Tank Vent	VOC	1.51	0.05
A-204	Tank Vent	VOC	0.03	0.01
A-205	Tank Vent	VOC	0.29	0.01
A-212	Tank Vent	VOC	0.29	0.01
A-213	Tank Vent	VOC	0.07	0.01
A-215	Tank Vent	VOC	0.74	0.01
A-216	Tank Vent	VOC	1.51	0.06
A-218	Raw Material Storage Tank	VOC	0.08	0.01
C-210	Tank Vent	VOC	0.04	0.01
C-211	Tank Vent	VOC	0.04	0.01
C-212	Tank Vent	VOC	0.04	0.01
C-213	Tank Vent	VOC	0.04	0.01
C-214	Finished Product Storage Tank	VOC	0.61	0.15
C-217	Tank Vent	VOC	0.04	0.01
C-218	Tank Vent	VOC	0.04	0.01
DC-FAUB2	Filter Aid Storage Silo	PM	0.09	0.01
FH-200	Hot Oil Heater	NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		PM	0.01	0.04
		VOC	0.01	0.03
		SO <sub>2</sub>	0.02	0.08
K-F201	Plate and Frame Filter Press	VOC	1.42	1.78
		PM	0.47	1.83
K-F204	Plate and Frame Filter Press	VOC	0.06	0.15
		PM	0.08	0.10
K-F205	Plate and Frame Filters (4)	VOC	1.36	3.27
		PM	0.39	3.46

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K-F209	Plate and Frame Filter (4)	VOC	1.36	2.45
		PM	0.39	1.30
SA-219	Tank Vent	VOC	2.47	0.01
FUG-2	Fugitives (4)	VOC	3.76	16.64
PROTRILOAD	Recovered Propylene Trimer Loading	VOC	0.04	0.01
2-18	Alkarylamine Loading	VOC	0.37	0.27
X-201	Vapor Oxidizer	PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08
		SO <sub>2</sub>	0.01	0.01
		NO <sub>x</sub>	0.31	1.05
		CO	0.25	0.88
		VOC	1.17	1.22
		HCl	0.18	0.14
X-202	Flare	SO <sub>2</sub>	0.03	0.01
		NO <sub>x</sub>	2.93	0.70
		CO	24.86	4.61
		VOC	23.29	1.96
		HCl	0.18	0.01
MSS-P2V44	MSS-V-44 Unit	VOC	11.01	0.31
MSS-P2AAA	MSS-Alkarylamines Unit	VOC	3.01	0.04
<b>Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:</b>				
PBR 106.472				
2-12	Loading	VOC	0.04	0.01
PBR 106.472				
2-13	Loading	VOC	0.04	0.01
PBR 106.472				
2-14	Loading	VOC	0.04	0.01
PBR 106.472				
B-251	Tank	VOC	0.03	0.11

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PBR 106.472				
B-3	Loading	VOC	0.02	0.01
PBR 83572				
B229B-LR	Loading	VOC	4.07	0.08

- (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.
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - HCl - hydrogen chloride
- (3) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 3, 2017