

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3506A

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
B-4	B-4 Boiler (94 MMBTU/HR, LHV)			PM	0.5	2.2
				VOC	0.3	1.2
				NO <sub>x</sub>	13.9	60.7
				SO <sub>2</sub>	3.0	13.0
				CO	3.5	15.2
B-5	B-5 Boiler (94 MMBTU/HR, LHV)			PM	0.5	2.2
				VOC	0.3	1.2
				NO <sub>x</sub>	13.9	60.7
				SO <sub>2</sub>	3.0	13.0
				CO	3.5	15.2
Q3-H-1	3-H-1 Heater (137 MMBTU/HR, LHV)			PM	0.7	3.2
				VOC	0.4	1.8
				NO <sub>x</sub>	20.2	88.4
				SO <sub>2</sub>	4.3	18.9
				CO	5.1	22.1
21	Methanol Tank			VOC	0.96	0.30
59	Methanol Tank			VOC	0.28	0.25
88	MTBE Tank			VOC	3.15	5.62
152	MTBE Tank			VOC	1.39	1.58
153	MTBE Tank			VOC	3.11	4.95
208	Methanol Tank			VOC	3.01	6.53
212	MTBE Tank			VOC	1.27	2.72

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
213	MTBE Tank	VOC	1.27	2.71
326	TBA Tank	VOC	0.24	0.14
327	TBA Tank	VOC	0.24	0.14

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
334	TBA Tank		VOC	1.10 0.54
335	TBA, Acetone, H <sub>2</sub> O Tank		VOC	1.33 1.11
357	TBA Tank		VOC	0.55 0.77
358	TBA Tank		VOC	0.55 0.77
MTBETK-FE	Fugitives (4)		VOC	0.16 0.70
MTBE-FE	Fugitives (4)		VOC	1.12 4.89
QTBA-FE	Fugitives (4)		VOC	1.28 5.61
QTBATK-FE	Fugitives (4)		VOC	0.36 1.57
QBTX-FE	Fugitives (4)		VOC	0.73 3.20
QTBABTX-CT	Cooling Towers (4)		VOC	0.50 2.21

- (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 - particulate matter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide
- (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

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

Dated\_\_\_\_\_