

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20135

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)	Name (3)	Air Contaminant lb/hr	TPY	Emission Rates *	
E01A002	Tank 9102Z			VOC	0.38	0.48
E01A010	Tank 9518			VOC	0.30	0.74
E01A011	Tank 9101W			VOC	0.28	0.80
E01A012	Tank 9102Y			VOC	0.38	0.48
E01A014	Tank 9002A			VOC	0.371	1.08
E01A015	Tank 9301			VOC	0.24	0.63
E01A029	East Railcar Rack Loading Losses (4)			VOC	0.22	0.56
E01A031	Tank Truck Rack Loading Losses (4)			VOC	0.04	0.09
E01A036	Tank 9429			VOC	0.58	1.67
<u>Burning Natural Gas</u>						
E01A048	Fume Incinerator (5)			CO	0.10	0.38
				NO <sub>x</sub>	0.47	1.79
				VOC	0.07	0.22
E01A048	Fume Incinerator (6)			CO	0.21	0.64
				NO <sub>x</sub>	1.0	3.07
				VOC	<0.01	0.01
<u>Burning Ethane Fuel</u>						
E01A048	Fume Incinerator (5)			CO	0.10	0.37
				NO <sub>x</sub>	0.45	1.75

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		VOC	0.07	0.22
E01A048	Fume Incinerator (6)	CO	0.21	0.64
		NO <sub>x</sub>	1.0	3.07
		VOC	<0.01	0.01
E01A060	Tank 9009	VOC	0.11	0.13

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Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr TPY	<u>Emission Rates *</u>	
E01A075	Tank 9110		VOC	0.07	0.09
E01A087	Tank 9211		VOC	0.43	1.11
E01A092	Tank 9503		VOC	0.11	0.22
E01A093	Tank 9505		VOC	0.09	0.22
E01A094	Tank 9506		VOC	0.09	0.22
E01A095	Tank 9507		VOC	0.08	0.20
E01A097	Tank 9602		VOC	0.08	0.20
E01A098	Tank 9603		VOC	0.08	0.20
E01A099	Tank 9604		VOC	0.09	0.19
E01A126	Tank 8119		VOC	2.55	0.87
E01A127	Tank 8120		VOC	2.55	0.87
E15A019	Tank 3739		VOC	0.36	0.13
E15A031	Tank 3763		VOC	0.27	0.13
E15A057	Rack 1 Loading Losses (4)	VOC	<0.01	<0.01	
E15A060	Rack 5 Loading Losses (4)	VOC		0.07	0.18

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E15A061	Rack 6 Loading Losses (4)	VOC	0.03	0.08
E15A062	Rack 7 Loading Losses (4)	VOC	0.07	0.18
E15A063	Rack 10 Loading Losses (4)	VOC	0.03	0.08
E15A092	Tank 952	EG	0.19	0.03
E15A093	Tank 953	VOC	0.20	0.12
E15A121	Tank 3762	VOC	0.25	0.15
E15A122	Tank 3766	VOC	0.16	0.30

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Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant lb/hr	TPY	<u>Emission Rates *</u>	
E15A129	Tank 3777		VOC		0.14	0.19
E15A149	Tank 955		VOC		0.32	0.12
F01A010	Tanks 9429 and 9518 Fugitives (4)		VOC		0.12	0.34
F01A011	Tank 9101W Fugitives (4)		VOC		0.09	0.34
F01A014	Tank 9002A Fugitives (4)		VOC		0.05	0.13
F01A015	Tank 9301 Fugitives (4)		VOC	0.14	0.43	
F01A060	Tank 9009 Fugitives (4) (7)		VOC		0.28	1.15
			VOC		0.07	0.26
F01A075	Tank 9110 Fugitives (4) (7)		VOC		0.47	1.88
			VOC		0.13	0.42
F01A087	Tank 9211 Fugitives (4)		VOC		0.06	0.23
F01A092	Tanks 9503, 9505, and 9506 Fugitives (4) (7)		VOC		1.33	5.14
			VOC		0.31	0.88

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F01A095	Tanks 9507, 9602, and 9604 Fugitives (4) (7)	VOC	0.58	2.23
		VOC	0.14	0.36
F01A098	Tank 9603 Fugitives (4) (7)	VOC	0.22	0.96
		VOC	0.05	0.18
F01A126	Tank 8119 Fugitives (4) (7)	VOC	0.22	0.94
		VOC	0.03	0.11
F01A127	Tank 8120 Fugitives (4) (7)	VOC	0.23	0.95
		VOC	0.03	0.12
F01AGF1-01	Tank 9102Z Fugitives (4)	VOC	0.02	0.09
F01AGF3-01	Tank 9102Y Fugitives (4)	VOC	0.02	0.09
F15A001-26	Pipeline Z-1366T Fugitives (4) (7)	VOC	0.07	0.32
		VOC	0.04	0.19
F15A001-27	Pipeline Z-1367T Fugitives (4) (7)	VOC	0.05	0.21
		VOC	0.03	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u>		
				TPY		
F15A019	Tank 3739 Fugitives (4) (7)	VOC	0.25	1.03		
		VOC		0.04		0.16
F15A031	Tank 3763 Fugitives (4)	VOC	0.19	0.80		
		VOC			0.02	0.09
F15A092	Tank 952 Fugitives (4)	EG	0.31	1.36		
F15A093	Tank 953 Fugitives (4) (7)	VOC	0.23	1.00		
		VOC		0.03		0.13
F15A121	Tank 3762 Fugitives (4) (7)	VOC	0.35	1.45		
		VOC		0.07	0.24	
F15A122	Tank 3766 Fugitives (4) (7)	VOC	0.53	2.03		
		VOC		0.14		0.38

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F15A129	Tank 3777 Fugitives (4) (7)	VOC	0.41	1.60		
			VOC		0.10	0.28
F15A149	Tank 955 Fugitives (4) (7)	VOC	0.20		0.87	
			VOC	0.03	0.11	

- (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) CO - carbon monoxide  
EG - ethylene glycol  
NO<sub>x</sub> - total oxides of nitrogen  
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.
- (5) The Incinerator, EPN E01A048, emissions listed are only from compounds being loaded from this permitted facility at 98 percent destruction and removal efficiency (DRE). Additional incinerator emissions are in Permit No. 22067.
- (6) The Incinerator, EPN E01A048, emissions listed are only from compounds being loaded from this permitted facility at 99.9 percent DRE. Additional incinerator emissions are in Permit No. 22067.

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(7) Each tank will comply with Special Provision No. 11 requirements. The greater number represents uncontrolled fugitive emissions.

- \* 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\_\_\_\_\_