

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 95968

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 (3)	Emission Rates	
			lbs/hour	TPY (4)
Tank Group 1				
390-103	DEFR Tank 390-103	VOC	3.87	2.35
		Benzene	0.12	0.07
390-103 MSS	DEFR Tank 390-103 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-104	DEFR Tank 390-104	VOC	3.87	2.35
		Benzene	0.12	0.07
390-104 MSS	DEFR Tank 390-104 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-105	DEFR Tank 390-105	VOC	3.87	2.35
		Benzene	0.12	0.07
390-105 MSS	DEFR Tank 390-105 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-112	DEFR Tank 390-112	VOC	3.87	2.35
		Benzene	0.12	0.07
390-112 MSS	DEFR Tank 390-112 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-113	DEFR Tank 390-113	VOC	3.87	2.35
		Benzene	0.12	0.07

Emission Sources - Maximum Allowable Emission Rates

390-113 MSS	DEFR Tank 390-113 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-114	DEFR Tank 390-114	VOC	3.87	2.35
		Benzene	0.12	0.07
390-114 MSS	DEFR Tank 390-114 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
210-115	DEFR Tank 210-115	VOC	5.22	1.89
		Benzene	0.16	0.06
210-115 MSS	DEFR Tank 210-115 Uncontrolled	VOC	691.72	--
		Benzene	20.76	--
210-116	DEFR Tank 210-116	VOC	5.22	1.89
		Benzene	0.16	0.06
210-116 MSS	DEFR Tank 210-116 Uncontrolled	VOC	691.72	--
		Benzene	20.76	--
210-119	DEFR Tank 210-119	VOC	5.22	1.89
		Benzene	0.16	0.06
210-119 MSS	DEFR Tank 210-119 Uncontrolled	VOC	691.72	--
		Benzene	20.76	--
210-120	DEFR Tank 210-120	VOC	5.22	1.89
		Benzene	0.16	0.06
210-120 MSS	DEFR Tank 210-120 Uncontrolled	VOC	691.72	--
		Benzene	20.76	--
	Tank Group 1 VOC and Benzene Compliance Caps	VOC	--	16.88
		Benzene	--	0.38
Tank Group 2				

Emission Sources - Maximum Allowable Emission Rates

390-102	DEFR Tank 390-102	VOC	3.87	2.35
		Benzene	0.12	0.07
390-102 MSS	DEFR Tank 390-102 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-106	DEFR Tank 390-106	VOC	3.87	2.35
		Benzene	0.12	0.07
390-106 MSS	DEFR Tank 390-106 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-107	DEFR Tank 390-107	VOC	3.87	2.35
		Benzene	0.12	0.07
390-107 MSS	DEFR Tank 390-107 Uncontrolled	VOC	1304.78	
		Benzene	39.15	
390-108	DEFR Tank 390-108	VOC	3.87	2.35
		Benzene	0.12	0.07
390-108 MSS	DEFR Tank 390-108 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-109	DEFR Tank 390-109	VOC	3.87	2.35
		Benzene	0.12	0.07
390-109 MSS	DEFR Tank 390-109 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
390-110	DEFR Tank 390-110	VOC	3.87	2.35
		Benzene	0.12	0.07
390-110 MSS	DEFR Tank 390-110 Uncontrolled	VOC	1304.78	--
		Benzene	39.15	--
320-111	DEFR Tank 320-111	VOC	5.22	1.94

Emission Sources - Maximum Allowable Emission Rates

		Benzene	0.16	0.06
320-111 MSS	DEFR Tank 320-111 Uncontrolled	VOC	1053.63	--
		Benzene	31.61	--
210-117	DEFR Tank 210-117	VOC	5.22	1.89
		Benzene	0.16	0.06
210-117 MSS	DEFR Tank 210-117 Uncontrolled	VOC	691.72	--
		Benzene	20.67	--
210-118	DEFR Tank 210-118	VOC	5.22	1.89
		Benzene	0.16	0.06
210-118 MSS	DEFR Tank 210-118 Uncontrolled	VOC	691.72	--
		Benzene	20.67	--
127-100	DEFR Tank 127-100	VOC	6.64	1.51
		Benzene	0.20	0.04
127-100 MSS	DEFR Tank 127-100 Uncontrolled	VOC	419.21	--
		Benzene	12.58	--
105-101	DEFR Tank 105-101	VOC	7.28	1.40
		Benzene	0.22	0.04
105-101 MSS	DEFR Tank 105-101 Uncontrolled	VOC	347.58	--
		Benzene	10.43	--
	Tank Group 2 VOC and Benzene Compliance Caps	VOC	--	18.78
		Benzene	--	0.69
	Tank Groups 1 and 2 MSS Uncontrolled VOC and Benzene Compliance Caps	VOC	3914.34	3.31
		Benzene	117.45	0.19
PORTVC	Portable Vapor Combustor (4 vapor combustors running simultaneously)	VOC	156.16	5.55
		Benzene	1.64	0.14

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		NO <sub>x</sub>	3.60	2.70
		CO	46.32	34.72
FUG 1	No. 1 Manifold Fugitives	VOC	0.49	2.11
		Benzene	0.02	0.08
OWS-1	Oil/Water Separator 1	VOC	5.89	0.15
OWS-2	Oil/Water Separator 2	VOC	5.89	0.15
<b>Engines</b>				
EMERGEN1	Emergency Generator Engine 1	VOC	0.18	0.01
		NO <sub>x</sub>	1.81	0.10
		CO	1.52	0.08
		SO <sub>2</sub>	1.12	0.06
		PM <sub>10</sub>	0.12	0.01
		PM <sub>2.5</sub>	0.10	0.01
FIREPUMP1	Firepump Engine 1	VOC	0.29	0.12
		NO <sub>x</sub>	2.96	1.08
		CO	2.48	0.90
		SO <sub>2</sub>	1.83	0.66
		PM <sub>10</sub>	0.19	0.08
		PM <sub>2.5</sub>	0.16	0.06
FIREPUMP2	Firepump Engine 2	VOC	0.29	0.12
		NO <sub>x</sub>	2.96	1.08
		CO	2.48	0.90
		SO <sub>2</sub>	1.83	0.66
		PM <sub>10</sub>	0.19	0.08
		PM <sub>2.5</sub>	0.16	0.06

Emission Sources - Maximum Allowable Emission Rates

	Annual Engine Compliance Caps	VOC		0.13
		NOx		1.18
		CO		0.98
		SO <sub>2</sub>		0.72
		PM <sub>10</sub>		0.09
		PM <sub>2.5</sub>		0.07
Diesel Tanks				
DTANK-1	Diesel Tank 1	VOC	0.06	0.001
DTANK-2	Diesel Tank 2	VOC	0.06	0.009
DTANK-3	Diesel Tank 3	VOC	0.06	0.009
	Annual Diesel Tank Compliance Cap	VOC		0.01

- (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) 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  
 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  
 CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: \_\_\_\_\_ DATE