

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9008

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 Rates*	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
001		Loading Rack		
total VOC (5)		21.52	9.43	
		Fugitives (4)		
Benzene	0.12	0.05		
0.01		Ethylbenzene	0.01	
		Hexane	0.43	0.19
		Toluene	0.14	0.06
0.09		2,2,4-Trimethylpentane	0.21	
		Xylenes	0.04	0.02
		Ethanol	0.05	0.02
9.00		VOC, other (6)	20.52	
FL-1	LR Flare	total VOC (5)		
53.37	23.40	Benzene	0.30	0.13
		Ethylbenzene	0.02	
		0.01		
		Hexane	1.07	0.47
		Toluene	0.34	0.15
0.23		2,2,4-Trimethylpentane	0.52	
		Xylenes	0.09	0.04
		Ethanol	0.13	0.06
22.31		VOC, other (6)	50.89	

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Emission Rates*	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
6.54 				

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Emission Rates*	Source	Air Contaminant	Emission	
Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
604	Tank 604	total VOC (5)	8.59	
1.14		Benzene	0.41	0.05
		Cumene	0.01	0.01
		Ethylbenzene	0.04	
0.01		Hexane	0.32	
0.04		Toluene	0.23	0.03
		2,2,4-Trimethylpentane	0.01	
0.01		Xylenes	0.13	0.02
		Naphthalene	0.05	
0.01		VOC, other (6)	7.39	0.98
609	Tank 609	total VOC (5)	1.42	
3.00		Benzene	0.01	0.02
		Ethylbenzene	0.01	
0.01		Hexane	0.03	0.06
		Toluene	0.01	0.02
		2,2,4-Trimethylpentane	0.01	
0.03		Xylenes	0.01	0.01
2.87		VOC, other (6)	1.36	
610	Tank 610	total VOC (5)	0.90	
2.93		Benzene	0.01	0.02
		Hexane	0.02	0.06
		Toluene	0.01	0.02

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Emission Rates*	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
0.03		2,2,4-Trimethylpentane	0.01	
		Xylenes	0.01	0.01
		VOC, other (6)	0.86	2.80

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Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
611	Tank 611	total VOC (5)	1.00	
0.59		Benzene	0.05	0.03
		Hexane	0.04	0.02
		Toluene	0.03	0.02
		2,2,4-Trimethylpentane	0.01	
0.01		Xylenes	0.02	0.01
		Naphthalene	0.01	
0.01		VOC, other (6)	0.86	0.51
645	Tank 645	total VOC (5)	1.49	
2.74		Benzene	0.01	0.02
		Hexane	0.03	0.05
		Toluene	0.01	0.02
		2,2,4-Trimethylpentane	0.01	
0.03		Xylenes	0.01	0.01
		VOC, other (6)	1.42	2.62
680	Tank 680	total VOC (5)		
12.02	2.14	Benzene	0.57	0.10
		Cumene	0.01	0.01
		Ethylbenzene	0.05	
0.01		Hexane	0.45	0.08
		Toluene	0.33	0.06
		Xylenes	0.18	0.03
		Naphthalene	0.07	
0.01		VOC, other (6)	10.35	
1.85				

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Emission Rates*	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
8001A	Additive Tank	8001A	total VOC (5)	
0.31	0.60	Benzene	0.01	0.02
		Ethylbenzene	0.01	
0.01		Hexane	0.01	0.01
		Toluene	0.01	0.01
		2,2,4-Trimethylpentane	0.01	
0.01		Xylenes	0.01	0.01
		VOC, other (6)	0.29	0.54
8002A	Additive Tank	8002A	total VOC (5)	
0.03	0.08	Ethylbenzene		0.01
0.01		Xylenes	0.02	0.05
		VOC, other (6)	0.01	0.02
8003D	Additive Tank	8003D	total VOC (5)	
0.33	0.39	Benzene	0.01	
0.01		Hexane	0.01	
0.01		Toluene	0.01	
0.01		2,2,4-Trimethylpentane		0.01
	0.01	VOC, other (6)		0.30
	0.36			
8004	Additive Tank	8004	total VOC (5)	
0.09	0.01			

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Emission Rates*	Source		Air Contaminant	<u>Emission</u>
Point No. (1)	Name(2)		Name	lb/hr
TPY **				
0.01			Hexane	0.02
			VOC, other (6)	0.06
8005	Additive Tank	8005	total VOC (5)	0.01
0.56	0.01			
			Benzene	0.03
0.01			Hexane	0.02
0.01			Toluene	0.01
0.01			2,2,4-Trimethylpentane	0.02
	0.01		Xylenes	0.01
			VOC, other (6)	0.48
8006	Additive Tank	8006	total VOC (5)	
2.04	0.10			
			Toluene	1.19
0.06			VOC, other (6)	0.86
				0.04

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Point No. (1)	Name(2)	Name	lb/hr	
TPY **				
8007	Additive Tank	8007	total VOC (5)	
0.25	0.66			
		Ethanol	0.24	
0.63		VOC, other (6)	0.01	0.03
		2,2,4-Trimethylpentane		0.01
	0.01			
		VOC, other (6)	0.12	0.54
SMP		Rack Sump	total VOC (5)	
0.06			0.25	
		Hexane	0.01	
0.01				
		VOC, other (6)	0.05	0.24

(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 General Rule 101.1

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO_x - sulfur oxides

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

(5) total VOC - includes speciated VOC

(6) VOC, other - includes non-speciated VOC

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Date: May 4, 2009