

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 39281

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)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
T-220	Tank 220	VOC (5)	3.767	3.974
		Benzene	0.049	0.052
		Toluene	0.049	0.052
		Ethylbenzene	0.004	0.004
		Xylene	0.019	0.020
		Hexane	0.060	0.064
		MTBE	0.448	0.473
		2,2,4-Triethylpentane		0.030
	0.032			
T-221	Tank 221	VOC (5)	3.651	4.221
		Benzene	0.048	0.055
		Toluene	0.048	0.055
		Ethylbenzene	0.004	0.004
		Xylene	0.018	0.021
		Hexane	0.058	0.068
		MTBE	0.434	0.502
		2,2,4-Triethylpentane		0.029
	0.034			
T-222	Tank 222	VOC (5)	3.951	3.774
		Benzene	0.051	0.049
		Toluene	0.051	0.049
		Ethylbenzene	0.004	0.004
		Xylene	0.020	0.019
		Hexane	0.063	0.060
		MTBE	0.470	0.449

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
	0.030	2,2,4-Triethylpentane	0.032	
T-223	Tank 223	VOC (5)	3.873	3.626
		Benzene	0.050	0.047
		Toluene	0.050	0.047
		Ethylbenzene	0.004	0.004
		Xylene	0.019	0.018
		Hexane	0.062	0.058
		MTBE	0.461	0.432
		2,2,4-Triethylpentane	0.031	
	0.029			
T-224	Tank 224	VOC (5)	3.710	5.408
		Benzene	0.048	0.070
		Toluene	0.048	0.070
		Ethylbenzene	0.004	0.005
		Xylene	0.019	0.027
		Hexane	0.059	0.087
		MTBE	0.441	0.644
		2,2,4-Triethylpentane	0.030	
	0.043			
T-225	Tank 225	VOC (5)	1.795	3.100
		Benzene	0.023	0.040
		Toluene	0.023	0.040
		Ethylbenzene	0.002	0.002
		Xylene	0.009	0.016
		Hexane	0.029	0.050
		MTBE	0.442	0.369

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
		2,2,4-Triethylpentane	0.014	
	0.025			
T-230	Tank 230	VOC (5)	3.767	3.971
		Benzene	0.049	0.052
		Toluene	0.049	0.052
		Ethylbenzene	0.004	0.004
		Xylene	0.019	0.020
		Hexane	0.060	0.064
		MTBE	0.448	0.473
		2,2,4-Triethylpentane	0.030	
	0.032			
T-231	Tank 231	VOC (5)	3.875	3.628
		Benzene	0.050	0.047
		Toluene	0.050	0.047
		Ethylbenzene	0.004	0.004
		Xylene	0.019	0.018
		Hexane	0.062	0.058
		MTBE	0.461	0.432
		2,2,4-Triethylpentane	0.031	
	0.029			
T-232	Tank 232	VOC (5)	4.070	3.615
		Benzene	0.053	0.047
		Toluene	0.053	0.047
		Ethylbenzene	0.004	0.004
		Xylene	0.020	0.018
		Hexane	0.065	0.058
		MTBE	0.484	0.430
		2,2,4-Triethylpentane	0.033	
	0.029			
T-233	Tank 233	VOC (5)	3.904	5.776

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
		Benzene	0.051	0.075
		Toluene	0.051	0.075
		Ethylbenzene	0.004	0.006
		Xylene	0.020	0.029
		Hexane	0.063	0.092
		MTBE	0.465	0.687
		2,2,4-Triethylpentane		0.031
	0.046			
T-234	Tank 234	VOC (5)	1.795	2.668
		Benzene	0.023	0.035
		Toluene	0.023	0.035
		Ethylbenzene	0.002	0.003
		Xylene	0.009	0.013
		Hexane	0.029	0.043
		MTBE	0.214	0.317
		2,2,4-Triethylpentane		0.014
	0.021			
T-235	Tank 235	VOC (5)	4.836	3.983
		Benzene	0.063	0.052
		Toluene	0.063	0.052
		Ethylbenzene	0.005	0.004
		Xylene	0.024	0.020
		Hexane	0.077	0.064
		MTBE	0.575	0.474
		2,2,4-Triethylpentane		0.039
	0.032			
T-250	Tank 250	VOC (5)	19.235	2.549
		Benzene	1.231	0.163
		Toluene	0.731	0.097
		Ethylbenzene	0.135	0.018
		Xylene	0.327	0.043

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
		Hexane	0.981	0.130
		MTBE	0.000	0.000
		2,2,4-Triethylpentane		0.000
	0.000			
T-251	Tank 251	VOC (5)	20.941	7.057
		Benzene	1.340	0.452
		Toluene	0.796	0.268
		Ethylbenzene	0.147	0.049
		Xylene	0.356	0.120
		Hexane	1.068	0.360
		MTBE	0.000	0.000
		2,2,4-Triethylpentane		0.000
	0.000			
T-270	Tank 270	VOC (5)	20.879	0.705
		Benzene	1.336	0.045
		Toluene	0.793	0.027
		Ethylbenzene	0.146	0.005
		Xylene	0.355	0.012
		Hexane	1.065	0.036
		MTBE	0.000	0.000
		2,2,4-Triethylpentane		0.000
	0.000			
T-290	Tank 290	VOC (5)	18.170	2.431
		Benzene	0.236	0.032
		Toluene	0.236	0.032
		Ethylbenzene	0.018	0.002
		Xylene	0.091	0.012
		Hexane	0.291	0.039
		MTBE	2.162	0.289
		2,2,4-Triethylpentane		0.145
	0.019			

FUG	Equipment Fugitives (4)	VOC (5)	0.317
	1.389		
		Benzene	0.004 0.018
		Toluene	0.004 0.018
		Ethylbenzene	0.0003 0.001
		Xylene	0.002 0.007
		Hexane	0.005 0.022
		MTBE	0.038 0.165
		2,2,4-Triethylpentane	0.003
	0.011		
OWS	Oil/Water Separator	VOC (5)	0.003 0.0135
		Benzene	0.000 0.0002
		Toluene	0.000 0.0002
		Ethylbenzene	0.000 0.0000
		Xylene	0.000 0.0001
		Hexane	0.000 0.0002
		MTBE	0.004 0.0016
		2,2,4-Triethylpentane	0.000
	0.0001		
AS	Air Stripper	VOC (5)	0.038 0.009
		Benzene	0.0005 0.0001
		Toluene	0.0005 0.0001
		Ethylbenzene	0.0000 0.0000
		Xylene	0.0002 0.0000
		Hexane	0.0006 0.0001
		MTBE	0.0045 0.0010
		2,2,4-Triethylpentane	0.0003
	0.0001		

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- (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
MTBE - methyl t-butyl ether.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) VOCs include speciated compounds that follow.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

Dated_____