

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 8522

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)
036LR2	Railcar Degassing	VOC	8.37	0.05
135F809	Baghouse Vent (Routine Emissions)	PM <sub>10</sub>	0.12	0.53
135F809	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	1.00	0.06
135F810	Baghouse Vent (Routine Emissions)	PM <sub>10</sub>	0.12	0.53
135F810	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	1.00	0.06
135F813	Baghouse Vent (Routine Emissions)	PM <sub>10</sub>	0.10	0.44
135F813	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	1.00	0.06
135F814	Baghouse Vent (Routine Emissions)	PM <sub>10</sub>	0.10	0.44
135F814	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	1.00	0.06
135T804	Tank No. 91TK-804	VOC	0.01	0.01
137F803	Baghouse Vent (Routine Emissions)	PM <sub>10</sub>	0.17	0.75
137F803	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	1.00	0.06
137VS1	Baghouse Vent (Routine Emissions)	VOC	14.49	49.95
		PM <sub>10</sub>	0.42	1.84
137VS1	Baghouse Vent (Maintenance Emissions)	PM <sub>10</sub>	2.74	0.42
143FG2	Wax Blowdown	VOC	1.36	2.92

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143GA	Analyzer Vent	VOC	0.17	0.75
143MNT	Maintenance Emissions	VOC	29.07	0.12
143T152	Tank No. 91TK-152	VOC	0.29	0.01
143T425	Deactivation Basin (Maintenance Emissions)	VOC	25.73	1.66
143T425	Deactivation Basin (Routine Emissions)	VOC	3.15	2.30
143TOIL	Miscellaneous Oil Storage Tank	VOC	0.01	0.01
143VT	Vacuum Truck	VOC	2.47	0.12
		Acetone	1.78	0.01
145FL1	Flare (Maintenance Emissions)	VOC	233.39	0.57
		NOx	22.85	0.06
		CO	165.04	0.39
145FL1	Flare (Routine Emissions)	VOC	5.49	23.94
		NOx	0.55	2.40
		CO	3.95	17.29
		SO2	0.01	0.02
145T1501 and 145T1502	Tank Nos. 91TK-1501 and 91TK-1502	VOC	4.87	0.25
146LT1	Tank Truck Loading	VOC	0.30	0.02
224GA	Analyzer Vent	VOC	0.13	0.57
224LT1	Tank Truck Loading	VOC	0.03	0.01
224R401	Tank No. 91R-401	VOC	0.02	0.01
224R402	Tank No. 91R-402	VOC	0.02	0.01
224S204	Vacuum Extruder Liquid Separator Drain Valve	VOC	0.39	0.08
224T111	Tank No. 91TK-111	VOC	0.01	0.01

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224T209	Tank No. 91TK-209	VOC	0.01	0.01
224T261	Tank No. 91T-261	VOC	0.06	0.01
224T402	Common vent for Tank Nos. 91TK-401 and 91TK-402	VOC	0.31	0.01
224T408	Tank No. 91TK-408	VOC	0.04	0.01
224T409	Tank No. 91TK-409	VOC	0.04	0.01
224T413	Tank No. 91TK-413	VOC	0.05	0.01
224T414	Tank No. 91TK-414	VOC	0.24	0.45
224T417	Tank No. 91TK-417	VOC	0.12	0.01
224T418	Tank No. 91TK-418	VOC	0.06	0.01
224T419	Common vent for Tank Nos. 91TK-419 and 91TK-420	VOC	1.08	0.03
224T445	Tank No. 91TK-445	VOC	0.01	0.01
F143FG1	Piping Fugitives (5)	VOC	8.44	36.97

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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> - particulate matter equal to or less than 10 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: August 15, 2018