

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19663

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)
0030-994	Process Oil Storage Tank	VOC	0.07	0.02
M	M Line Vent	PM	0.17	0.73
		PM ₁₀	0.17	0.73
		PM _{2.5}	0.17	0.73
		VOC	14.80	-
N	N Line Vent	PM	0.25	1.08
		PM ₁₀	0.25	1.08
		PM _{2.5}	0.25	1.08
		VOC	18.00	-
M and N Line Vent Cap		VOC	-	36.44
TK-2D-1C	ENB Storage Tank Vent	VOC	0.46	0.25
TK-2D-2C	No. 2 Oil Feed Tank	VOC	0.07	0.01
TK-2D-3C	Recycle ENB Tank Vent	VOC	0.47	0.06
TK-2D-5E	Wet Cyclohexane Storage Vent	VOC	12.30	1.78
TK-2D-6E	In Process Heavies Tank Vent	VOC	11.75	0.82
TK-2D-7E	No. 1 Oil Feed Tank	VOC	0.07	0.01
TK-2D-14GV	Catalyst KO Tank Vent	VOC	16.88	1.00
TK-2D-15D	Intermediate Tank Vent	VOC	18.61	1.66
TK-2D-22E	Dry Cyclohexane Vent	VOC	8.95	1.77
WCT-32	Cooling Tower	VOC	0.50	1.66
		PM	0.08	0.26
		PM ₁₀	0.05	0.17
		PM _{2.5}	0.01	0.01
WWFUG	Wastewater	VOC	0.03	0.03

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EPFUG	EPR Unit Fugitives (5)	VOC	3.56	15.61
EPFUG2	Refrigeration System Fugitives (5)	NH ₃	0.02	0.08

- (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 § 101.1PM
 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as representedPM₁₀
 - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as representedPM_{2.5}
 - particulate matter equal to or less than 2.5 microns in diameterNH₃
 - ammonia
- (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: March 28, 2018