

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 128752

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)
EG2-EP910	EG2 Common Waste Heat Boiler Stack	VOC	0.47	1.67
		NO <sub>x</sub>	2.04	4.53
		CO	3.61	9.76
		PM	0.53	1.77
		PM <sub>10</sub>	0.53	1.77
		PM <sub>2.5</sub>	0.53	1.77
		SO <sub>2</sub>	0.01	<0.01
	EG2 Common Waste Heat Boiler Stack - MSS	VOC	0.09	0.01
		NO <sub>x</sub>	1.02	0.09
		CO	4.00	0.37
		PM	0.13	0.01
		PM <sub>10</sub>	0.13	0.01
		PM <sub>2.5</sub>	0.13	0.01
		SO <sub>2</sub>	0.01	<0.01
EG2-RTO221	EG2 RTO Vent	VOC	0.38	1.65
		NO <sub>x</sub>	0.37	1.60
		CO	0.31	1.35
		PM	0.03	0.12
		PM <sub>10</sub>	0.03	0.12
		PM <sub>2.5</sub>	0.03	0.12
		SO <sub>2</sub>	0.01	<0.01
EG2-EP221	EG2 CO2 Regenerator Vent and Recovery System	VOC	35.83	5.16

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EG2-PFL01	EG2 Glycol Loading Losses	VOC	0.37	0.01
EG2-EP615A	EG2 B-T-615A Tank	VOC	0.21	*
EG2-EP615B	EG2 B-T-615B Tank	VOC	0.21	
EG2-EP630A	EG2 B-T-630 Tank	VOC	0.16	
EG2-EP730	EG2 B-T-730 Tank	VOC	0.01	
EG2-EP740	EG2 B-T-740 Tank	VOC	<0.01	
EG2-EP750	EG2 B-T-750 Tank	VOC	<0.01	
Tank Cap*	Annual Glycol Storage Cap	VOC	**	0.46
EG2-EP501	EG2 Caustic Tank B-T-501	NaOH	<0.01	<0.01
EG2-CT	EG2-Cooling Tower	HOCl	<0.01	<0.01
		PM	3.00	13.14
		PM <sub>10</sub>	1.11	4.85
		PM <sub>2.5</sub>	0.01	0.03
		VOC	1.45	6.33
EG2-FUG1	EG2 Fugitives (5)	VOC	2.22	9.71
EG2-MANTAB	EG2 Equipment MSS – A/B Activity	VOC	243.96	0.88
EG2-MANTC	EG2 Equipment MSS – C Activity	VOC	1431.48	3.95

\* Tank Cap includes total annual VOC emissions from all glycol tanks

\*\* Short-term limits are specified for individual tanks; no hourly collective cap applies

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
- 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 - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - 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

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HOCl	- hypochlorous acid
NaOH	- sodium hydroxide

- (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.

Dated: June 14, 2017