

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 31376

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)
Wastewater Treatment Process				
08TFX-002	311 Equalization Tank	VOC	<0.01	<0.01
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08TFX-002	311 Equalization Tank (MSS)	VOC	<0.01	<0.01
		NH <sub>3</sub>	0.04	<0.01
08CLT-005	Mixed Liquor Cooling Tower	VOC (5)	<0.01	<0.01
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
		PM	0.63	2.76
		PM <sub>10</sub>	0.52	2.26
		PM <sub>2.5</sub>	<0.01	0.01
08RXN-006	Anoxic Reactor A	VOC	0.18	0.35
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08RXN-007	Anoxic Reactor B	VOC	0.18	0.35
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08RXN-006 08RXN-007	Anoxic Reactor A Anoxic Reactor B	VOC (6)	0.20	0.39
		Exempt Solvent (6)	<0.01	<0.01
		NH <sub>3</sub> (6)	<0.01	<0.01
08RXN-008	Aerobic Reactor A	VOC	8.50	5.49
		Exempt Solvent	0.02	0.02
		NH <sub>3</sub>	<0.01	<0.01

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08RXN-009	Aerobic Reactor B	VOC	8.50	5.49
		Exempt Solvent	0.02	0.02
		NH <sub>3</sub>	<0.01	<0.01
08RXN-008 08RXN-009	Aerobic Reactor A Aerobic Reactor B	VOC (6)	8.50	5.49
		Exempt Solvent (6)	0.02	0.02
		NH <sub>3</sub> (6)	<0.01	<0.01
08TNK-010	Head Tank 1	VOC	<0.01	<0.01
		Exempt Solvent	0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08TNK-011	Head Tank 2	VOC	<0.01	<0.01
		Exempt Solvent	0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08TNK-010 08TNK-011	Head Tank 1 Head Tank 2	VOC (6)	<0.01	<0.01
		Exempt Solvent (6)	0.01	<0.01
		NH <sub>3</sub> (6)	<0.01	<0.01
08CLF-012	Secondary Clarifier 1	VOC	0.06	0.11
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08CLF-013	Secondary Clarifier 2	VOC	0.06	0.11
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
08CLF-012 08CLF-013	Secondary Clarifier 1 Secondary Clarifier 2	VOC (6)	0.06	0.11
		Exempt Solvent (6)	<0.01	<0.01
		NH <sub>3</sub> (6)	<0.01	<0.01
08BLT-001	Belt Filter	VOC	<0.01	0.03
		Exempt Solvent	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
Other Sources				

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08CLT-004	Influent Cooling Tower	VOC (5)	0.09	0.38
		PM	0.16	0.68
		PM <sub>10</sub>	0.13	0.56
		PM <sub>2.5</sub>	<0.01	<0.01
08TOTE-001	Polymer Tank	VOC	<0.01	<0.01
08FUG	Biotreatment Unit Fugitives (5)	VOC	0.05	0.23
		NH <sub>3</sub>	<0.01	<0.01
08FUGMSS	Biotreatment Unit MSS Fugitives (5)	VOC	3.78	0.10
		NH <sub>3</sub>	0.10	<0.01

- (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
  - NH<sub>3</sub> - ammonia
  - 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
- (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.
- (6) The emission rates represent a combined cap on the maximum emission rates authorized for the following EPN pairs: a) RXN-006, RXN-007, b) 08RXN-008, 08RXN-009, c) 08TNK-010, 08TNK-011, d) 08CLF-012, 08CLF-013.

Date: February 13, 2020