

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 20485

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)
RSWLDFLR	Dock Flare	VOC (7)	40.40	11.17
		1,3 butadiene	40.40	3.05
		NO <sub>x</sub>	8.08	4.79
		CO	41.71	15.94
		SO <sub>2</sub>	0.01	0.01
C4FUG	Fugitives (5)	VOC (7)	3.43	15.04
		1,3 butadiene	1.24	5.42
C4ICEDFT	Diesel Fuel Tanks (6)	VOC	0.52	0.01
C4WW	C4 Wastewater	VOC	0.01	0.01
TK55	Tank No. 55	VOC	0.33	0.86
TK56	Tank No. 56	VOC	0.33	0.86
TK55 and TK56	Tank Nos. 55 and Tank 56 Annual Cap	VOC	--	0.86
MAINT-ALL	C4 Maintenance	VOC (7)	7.54	0.68
		1,3 butadiene	4.11	0.37
MAINT - TO	Thermal Control Device	VOC (7)	0.80	0.10
		1,3 butadiene	0.44	0.06
		NO <sub>x</sub>	1.20	0.27
		CO	2.00	0.45
		SO <sub>2</sub>	0.01	0.01
		PM	0.15	0.03
		PM10	0.15	0.03

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM2.5	0.15	0.03
FWENG3-PH	Firewater Engine 3 - Pump House	VOC	0.96	0.01
		NOx	11.78	0.15
		CO	2.54	0.03
		SO2	0.01	0.01
		PM	0.84	0.01
		PM10	0.84	0.01
		PM2.5	0.84	0.01
EMERGEN1	Emergency Generator 1	VOC	0.42	0.01
		NOx	5.21	0.07
		CO	1.12	0.01
		SO2	0.01	0.01
		PM	0.37	0.01
		PM10	0.37	0.01
		PM2.5	0.37	0.01
EMERGEN2	Emergency Generator 2	VOC	0.42	0.01
		NOx	5.21	0.07
		CO	1.12	0.01
		SO2	0.01	0.01
		PM	0.37	0.01
		PM10	0.37	0.01
		PM2.5	0.37	0.01
FW1-WW	Firewater Engine 1 - JWWTP	VOC	0.03	0.01
		NOx	0.37	0.02
		CO	0.1	0.01
		SO2	0.01	0.01
		PM	0.01	0.01
		PM10	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM2.5	0.01	0.01
FW1-PH	Firewater Engine 1 - Pump House	VOC	0.09	0.01
		NOx	0.38	0.02
		CO	0.21	0.01
		SO2	0.01	0.01
		PM	0.02	0.01
		PM10	0.02	0.01
		PM2.5	0.02	0.01
FW2-PH	Firewater Engine 2 - Pump House	VOC	0.09	0.01
		NOx	0.38	0.02
		CO	0.21	0.01
		SO2	0.01	0.01
		PM	0.02	0.01
		PM10	0.02	0.01
		PM2.5	0.02	0.01
FWJ-PH	Firewater Jockey Pump - Pump House	VOC	0.01	0.02
		NOx	0.09	0.41
		CO	0.05	0.23
		SO2	0.01	0.01
		PM	0.01	0.05
		PM10	0.01	0.05
		PM2.5	0.01	0.05
FW-DOCK	Firewater Engine - Dock	VOC	0.09	0.01
		NOx	0.38	0.01
		CO	0.21	0.01
		SO2	0.01	0.01
		PM	0.02	0.01
		PM10	0.02	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM2.5	0.02	0.01
SWP-B9	Storm Water Pump - Block 9	VOC	0.19	0.09
		NOx	0.56	0.28
		CO	0.01	0.01
		SO2	0.01	0.01
		PM	0.01	0.01
		PM10	0.01	0.01
		PM2.5	0.01	0.01
SW1-B6	Storm Water Pump 1 - Block 6	VOC	0.01	0.01
		NOx	0.09	0.24
		CO	0.05	0.13
		SO2	0.01	0.01
		PM	0.01	0.03
		PM10	0.01	0.03
		PM2.5	0.01	0.03
SW2-B6	Storm Water Pump 2 - Block 6	VOC	0.01	0.01
		NOx	0.09	0.24
		CO	0.05	0.13
		SO2	0.01	0.01
		PM	0.01	0.03
		PM10	0.01	0.03
		PM2.5	0.01	0.03
SWP-B13	Storm Water Pump - Block 13	VOC	0.09	0.04
		NOx	0.36	0.14
		CO	0.13	0.05
		SO2	0.01	0.01
		PM	0.01	0.01
		PM10	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		PM2.5	0.01	0.01
RW-1	Raw Water Pump 1	VOC	0.01	0.02
		NOx	0.09	0.38
		CO	0.05	0.21
		SO2	0.01	0.01
		PM	0.01	0.04
		PM10	0.01	0.04
		PM2.5	0.01	0.04
RW-2	Raw Water Pump 2	VOC	0.01	0.02
		NOx	0.09	0.38
		CO	0.05	0.21
		SO2	0.01	0.01
		PM	0.01	0.04
		PM10	0.01	0.04
		PM2.5	0.01	0.04
TO-GEN	N-TO Generator	VOC	0.03	0.12
		NOx	0.07	0.31
		CO	0.01	0.02
		SO2	0.01	0.01
		PM	0.01	0.02
		PM10	0.01	0.02
		PM2.5	0.01	0.02
LTGEN	Light Plant Generator	VOC	0.02	0.04
		NOx	0.06	0.14
		CO	0.01	0.02
		SO2	0.01	0.01
		PM	0.01	0.01
		PM10	0.01	0.01

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		PM2.5	0.01	0.01
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- (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) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen  
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  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Emissions from several small internal combustion engines and storage tanks.
- (7) The VOC emissions rates include the 1,3-butadiene emissions listed under them.

Date: February 16, 2024