

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 2480A

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)
B-1	Boiler 1	CO	1.03	4.51
		NO <sub>x</sub>	1.23	5.37
		PM	0.09	0.41
		PM <sub>10</sub>	0.09	0.41
		PM <sub>2.5</sub>	0.09	0.41
		SO <sub>2</sub>	0.01	0.03
		VOC	0.07	(12)
B-2	Boiler 2	CO	1.03	4.51
		NO <sub>x</sub>	1.23	5.37
		PM	0.09	0.41
		PM <sub>10</sub>	0.09	0.41
		PM <sub>2.5</sub>	0.09	0.41
		SO <sub>2</sub>	0.01	0.03
		VOC	0.07	(12)
FU-100TKS	Process Fugitives 100 Series Tanks (5)	VOC	1.40	(12)
FU-200TKS	Process Fugitives 200 Series Tanks (5)	VOC	0.62	(12)
L-1	Railcar/Tank Truck Load Station 1	VOC	103.03	(12)
L-2	Railcar/Tank Truck Load Station 2	VOC	103.03	(12)
L-3	Railcar/Tank Truck Load Station 3	VOC	103.03	(12)

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L-4	Railcar/Tank Truck Load Station 4	VOC	103.03	(12)
L-5	Railcar/Tank Truck Load Station 5	VOC	103.03	(12)
L-6	Railcar/Tank Truck Load Station 6	VOC	103.03	(12)
L-7	Railcar/Tank Truck Load Station 7	VOC	103.03	(12)
L-8	Railcar/Tank Truck Load Station 8	VOC	103.03	(12)
L-9	Tank Truck Loading Station 9	VOC	103.03	(12)
L-10	Railcar/Tank Truck Load Station 10	VOC	103.03	(12)
L-11	Tank Truck Loading Station 11	VOC	103.03	(12)
L-12	Railcar/Tank Truck Load Station 12	VOC	103.03	(12)
L-13	Railcar/Tank Truck Load Station 13	VOC	103.03	(12)
L-14	Railcar/Tank Truck Load Station 14	VOC	103.03	(12)
L-15	Railcar/Tank Truck Load Station 15	VOC	103.03	(12)
L-16	Drum Loading Station 16	VOC	17.62	(12)
L-17	Drum Loading Station 17	VOC	17.62	(12)
SD-1	Ship Dock Loading	VOC	58.00	(12)
		VOC (6)	1.00	4.36
TO-1	Vapor Combustion Unit (VCU) (7)	CO	7.40	6.54
		NO <sub>x</sub>	5.55	4.91
		PM	0.28	0.24
		PM <sub>10</sub>	0.28	0.24
		PM <sub>2.5</sub>	0.28	0.24
		SO <sub>2</sub>	0.02	0.02
		VOC	12.14	(12)
CAS	Carbon Adsorption System (8)	VOC	25.43	(12)
T-021	Storage Tank 21	VOC	17.74	(12)

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T-022	Storage Tank 22	VOC	17.74	(12)
T-023	Storage Tank 23	VOC	17.74	(12)
T-024	Storage Tank 24	VOC	17.74	(12)
T-025	Storage Tank 25	VOC	17.74	(12)
T-026	Storage Tank 26	VOC	17.74	(12)
T-101	Storage Tank 101	VOC	17.74	(12)
T-102	Storage Tank 102	VOC	17.74	(12)
T-103	Storage Tank 103	VOC	17.74	(12)
T-104	Storage Tank 104	VOC	17.74	(12)
T-105	Storage Tank 105	VOC	17.74	(12)
T-106	Storage Tank 106	VOC	17.74	(12)
T-115	Storage Tank 115	VOC	60.83	(12)
T-116	Storage Tank 116	VOC	60.83	(12)
T-117	Storage Tank 117	VOC	60.83	(12)
T-118	Storage Tank 118	VOC	60.83	(12)
T-119	Storage Tank 119	VOC	60.83	(12)
T-120	Storage Tank 120	VOC	60.83	(12)
T-121	Storage Tank 121	VOC	76.04	(12)
T-122	Storage Tank 122	VOC	76.04	(12)
T-123	Storage Tank 123	VOC	76.04	(12)
T-124	Storage Tank 124	VOC	76.04	(12)
T-125	Storage Tank 125	VOC	76.04	(12)
T-126	Storage Tank 126	VOC	76.04	(12)
T-127	Storage Tank 127	VOC	76.04	(12)
T-128	Storage Tank 128	VOC	76.04	(12)

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T-129	Storage Tank 129	VOC	76.04	(12)
T-130	Storage Tank 130	VOC	76.04	(12)
T-131	Storage Tank 131	VOC	76.04	(12)
T-132	Storage Tank 132	VOC	76.04	(12)
T-133	Storage Tank 133	VOC	76.04	(12)
T-134	Storage Tank 134	VOC	76.04	(12)
T-135	Storage Tank 135	VOC	76.04	(12)
T-136	Storage Tank 136	VOC	76.04	(12)
T-137	Storage Tank 137	VOC	76.04	(12)
T-138	Storage Tank 138	VOC	76.04	(12)
T-139	Storage Tank 139	VOC	76.04	(12)
T-140	Storage Tank 140	VOC	76.04	(12)
T-141	Storage Tank 141	VOC	76.04	(12)
T-142	Storage Tank 142	VOC	76.04	(12)
T-143	Storage Tank 143	VOC	76.04	(12)
T-144	Storage Tank 144	VOC	76.04	(12)
T-145	Storage Tank 145	VOC	76.04	(12)
T-146	Storage Tank 146	VOC	76.04	(12)
T-147	Storage Tank 147	VOC	76.04	(12)
T-148	Storage Tank 148	VOC	76.04	(12)
T-149	Storage Tank 149	VOC	76.04	(12)
T-150	Storage Tank 150	VOC	76.04	(12)
T-151	Storage Tank 151	VOC	76.04	(12)
T-152	Storage Tank 152	VOC	76.04	(12)
T-153	Storage Tank 153	VOC	76.04	(12)

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T-154	Storage Tank 154	VOC	76.04	(12)
T-155	Storage Tank 155	VOC	76.04	(12)
T-197	Storage Tank 197	VOC	152.08	(12)
T-198	Storage Tank 198	VOC	86.18	(12)
T-199	Storage Tank 199	VOC	86.18	(12)
T-200	Storage Tank 200	VOC	86.18	(12)
T-201	Storage Tank 201	VOC	76.04	(12)
T-202	Storage Tank 202	VOC	76.04	(12)
T-204	Storage Tank 204	VOC	76.04	(12)
T-205	Storage Tank 205	VOC	76.04	(12)
T-206	Storage Tank 206	VOC	76.04	(12)
T-207	Storage Tank 207	VOC	76.04	(12)
T-208	Storage Tank 208	VOC	86.18	(12)
T-209	Storage Tank 209	VOC	86.18	(12)
T-210	Storage Tank 210	VOC	152.08	(12)
T-211	Storage Tank 211	VOC	152.08	(12)
T-212	Storage Tank 212	VOC	152.08	(12)
T-215	Storage Tank 215	VOC	152.08	(12)
T-216	Storage Tank 216	VOC	152.08	(12)
T-219	Storage Tank 219	VOC	152.08	(12)
T-220	Storage Tank 220	VOC	152.08	(12)
T-221	Storage Tank 221	VOC	76.04	(12)
T-222	Storage Tank 222	VOC	76.04	(12)
T-223	Storage Tank 223	VOC	76.04	(12)
T-224	Storage Tank 224	VOC	76.04	(12)

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T-225	Storage Tank 225	VOC	76.04	(12)
T-226	Storage Tank 226	VOC	76.04	(12)
T-227	Storage Tank 227	VOC	76.04	(12)
T-228	Storage Tank 228	VOC	76.04	(12)
T-229	Storage Tank 229	VOC	76.04	(12)
T-230	Storage Tank 230	VOC	76.04	(12)
T-231	Storage Tank 231	VOC	76.04	(12)
T-232	Storage Tank 232	VOC	76.04	(12)
T-233	Storage Tank 233	VOC	76.04	(12)
T-234	Storage Tank 234	VOC	76.04	(12)
T-235	Storage Tank 235	VOC	76.04	(12)
T-236	Storage Tank 236	VOC	76.04	(12)
T-237	Storage Tank 237	VOC	76.04	(12)
T-238	Storage Tank 238	VOC	76.04	(12)
<b>2011 Expansion Project</b>				
T-203	Storage Tank 203	VOC	0.75	(10)
T-239	Storage Tank 239	VOC	1.04	(10)
T-240	Storage Tank 240	VOC	1.63	(10)
T-241	Storage Tank 241	VOC	1.63	(10)
T-242	Storage Tank 242	VOC	1.63	(10)
T-243	Storage Tank 243	VOC	1.63	(10)
T-244	Storage Tank 244	VOC	0.75	(10)
T-245	Storage Tank 245	VOC	0.75	(10)
T-246	Storage Tank 246	VOC	1.91	(10)

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T-247	Storage Tank 247	VOC	1.91	(10)
T-248	Storage Tank 248	VOC	1.91	(10)
<b>Routine Annual Tank Emissions Subcap for 2011 Expansion Project (10)(11)</b>		<b>VOC</b>		<b>18.50</b>
L-18	Railcar/Tank Truck Load Station 18	VOC	103.03	2.59
<b>Routine Annual Emissions Cap for 2011 Expansion Project (11)</b>		<b>VOC</b>		<b>21.09</b>
<b>All EPNs Above (12)</b>	<b>All Sources Above</b>	<b>VOC</b>		<b>107.70</b>
UNC-MSS	Uncontrolled MSS Emissions	VOC	346.43	1.39
PTO	Portable Thermal Oxidizer	CO	1.77	0.06
		NO <sub>x</sub>	3.06	0.11
		PM	0.16	0.01
		PM <sub>10</sub>	0.16	0.01
		PM <sub>2.5</sub>	0.16	0.01
		VOC	1.04	0.04
FUG	Fugitives (2011 Expansion Project) (5)	VOC	0.32	1.39
B-3	Boiler 3 (9)	CO	1.68	7.36
		NO <sub>x</sub>	2.00	8.76
		PM	0.15	0.67
		PM <sub>10</sub>	0.15	0.67
		PM <sub>2.5</sub>	0.15	0.67
		SO <sub>2</sub>	0.01	0.05
		VOC	0.11	0.48

Emission Sources - Maximum Allowable Emission Rates

- (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)

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 authorized by Permit by Rule Registration Number 76067.
- (7) The vapor combustion unit (VCU) shall be used for abatement of nonhalogenated hydrocarbons.
- (8) CAS can be used for abatement of both nonhalogenated and/or halogenated hydrocarbons.
- (9) Emissions authorized by Permit by Rule 106.183.
- (10) Total annual routine VOC emissions from the storage tanks in the 2011 Expansion Project may not exceed the Routine Annual Tank Emissions Subcap for 2011 Expansion Project.
- (11) Total annual routine VOC emissions from the storage tanks and Load Station in the 2011 Expansion Project may not exceed the Routine Annual Emissions Cap for 2011 Expansion Project.
- (12) Total annual routine VOC emissions from all sources prior to the 2011 Expansion Project, plus the storage tanks and Load Station in the 2011 Expansion Project, may not exceed the annual emissions cap for the All EPNs Above - All Sources Above Cap.

Date: January 17, 2019