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	VOC	0.07	***
		NOx	1.23	5.37
		SO2	0.01	0.03
		PM10	0.09	0.41
		CO	1.03	4.51
B-2	Boiler 2	VOC	0.07	***
		NOx	1.23	5.37
		SO2	0.01	0.03
		PM10	0.09	0.41
		CO	1.03	4.51
FU-100TKS	Process Fugitives 100 Series Tanks (5)	VOC	1.4	***
FU-200TKS	Process Fugitives 200 Series Tanks (5)	VOC	0.62	***
L-1	Railcar/Tank Truck Load Station 1	VOC	103.03	***
L-2	Railcar/Tank Truck Load Station 2	VOC	103.03	***
L-3	Railcar/Tank Truck Load Station 3	VOC	103.03	***
L-4	Railcar/Tank Truck Load Station 4	VOC	103.03	***
L-5	Railcar/Tank Truck Load Station	VOC	103.03	***

Emission Sources - Maximum Allowable Emission Rates

	5			
L-6	Railcar/Tank Truck Load Station 6	VOC	103.03	***
L-7	Railcar/Tank Truck Load Station 7	VOC	103.03	***
L-8	Railcar/Tank Truck Load Station 8	VOC	103.03	***
L-9	Tank Truck Loading Station 9	VOC	103.03	***
L-10	Railcar/Tank Truck Load Station 10	VOC	103.03	***
L-11	Tank Truck Loading Station 11	VOC	103.03	***
L-12	Railcar/Tank Truck Load Station 12	VOC	103.03	***
L-13	Railcar/Tank Truck Load Station 13	VOC	103.03	***
L-14	Railcar/Tank Truck Load Station 14	VOC	103.03	***
L-15	Railcar/Tank Truck Load Station 15	VOC	103.03	***
L-16	Drum Loading Station 16	VOC	17.62	***
L-17	Drum Loading Station 17	VOC	17.62	***
SD-1	Ship Dock Loading	VOC	58.00	***
		VOC (6)	1.00	4.36

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TO-1	Enclosed Flare (7)	VOC	25.40	***
		NOx	2.37	0.52
		CO	20.34	4.44
TO-2	Marine Enclosed Flare (7)	VOC	25.4	***
		NOx	2.37	0.52
		CO	20.34	4.44
TO-3	North Enclosed Flare (7)	VOC	25.40	***
		NOx	2.37	0.52
		CO	20.34	4.44
CAS	Carbon Adsorption System (8)	VOC	25.4	***
T-021	Storage Tank 21	VOC	21.44	***
T-022	Storage Tank 22	VOC	21.44	***
T-023	Storage Tank 23	VOC	21.44	***
T-024	Storage Tank 24	VOC	21.44	***
T-025	Storage Tank 25	VOC	21.44	***
T-026	Storage Tank 26	VOC	21.44	***
T-101	Storage Tank 101	VOC	21.44	***
T-102	Storage Tank 102	VOC	21.44	***
T-103	Storage Tank 103	VOC	21.44	***
T-104	Storage Tank 104	VOC	21.44	***

Emission Sources - Maximum Allowable Emission Rates

T-105	Storage Tank 105	VOC	21.44	***
T-106	Storage Tank 106	VOC	21.44	***
T-115	Storage Tank 115	VOC	73.5	***
T-116	Storage Tank 116	VOC	73.5	***
T-117	Storage Tank 117	VOC	73.5	***
T-118	Storage Tank 118	VOC	73.5	***
T-119	Storage Tank 119	VOC	73.5	***
T-120	Storage Tank 120	VOC	73.5	***
T-121	Storage Tank 121	VOC	91.88	***
T-122	Storage Tank 122	VOC	91.88	***
T-123	Storage Tank 123	VOC	91.88	***
T-124	Storage Tank 124	VOC	91.88	***
T-125	Storage Tank 125	VOC	91.88	***
T-126	Storage Tank 126	VOC	91.88	***
T-127	Storage Tank 127	VOC	91.88	***
T-128	Storage Tank 128	VOC	91.88	***
T-129	Storage Tank 129	VOC	91.88	***
T-130	Storage Tank 130	VOC	91.88	***
T-131	Storage Tank 131	VOC	91.88	***
T-132	Storage Tank 132	VOC	91.88	***
T-133	Storage Tank 133	VOC	91.88	***
T-134	Storage Tank 134	VOC	91.88	***
T-135	Storage Tank 135	VOC	91.88	***

Emission Sources - Maximum Allowable Emission Rates

T-136	Storage Tank 136	VOC	91.88	***
T-137	Storage Tank 137	VOC	91.88	***
T-138	Storage Tank 138	VOC	91.88	***
T-139	Storage Tank 139	VOC	91.88	***
T-140	Storage Tank 140	VOC	91.88	***
T-141	Storage Tank 141	VOC	91.88	***
T-142	Storage Tank 142	VOC	91.88	***
T-143	Storage Tank 143	VOC	91.88	***
T-144	Storage Tank 144	VOC	91.88	***
T-145	Storage Tank 145	VOC	91.88	***
T-146	Storage Tank 146	VOC	91.88	***
T-147	Storage Tank 147	VOC	91.88	***
T-148	Storage Tank 148	VOC	91.88	***
T-149	Storage Tank 149	VOC	91.88	***
T-150	Storage Tank 150	VOC	91.88	***
T-151	Storage Tank 151	VOC	91.88	***
T-152	Storage Tank 152	VOC	91.88	***
T-153	Storage Tank 153	VOC	91.88	***
T-154	Storage Tank 154	VOC	91.88	***
T-155	Storage Tank 155	VOC	91.88	***
T-197	Storage Tank 197	VOC	183.75	***
T-198	Storage Tank 198	VOC	104.13	***
T-199	Storage Tank 199	VOC	104.13	***

Emission Sources - Maximum Allowable Emission Rates

T-200	Storage Tank 200	VOC	104.13	***
T-201	Storage Tank 201	VOC	91.88	***
T-202	Storage Tank 202	VOC	91.88	***
T-204	Storage Tank 204	VOC	91.88	***
T-205	Storage Tank 205	VOC	91.88	***
T-206	Storage Tank 206	VOC	91.88	***
T-207	Storage Tank 207	VOC	91.88	***
T-208	Storage Tank 208	VOC	104.13	***
T-209	Storage Tank 209	VOC	104.13	***
T-210	Storage Tank 210	VOC	183.75	***
T-211	Storage Tank 211	VOC	183.75	***
T-212	Storage Tank 212	VOC	183.75	***

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
T-213	Storage Tank 213	VOC	183.75	***
T-214	Storage Tank 214	VOC	183.75	***
T-215	Storage Tank 215	VOC	183.75	***
T-216	Storage Tank 216	VOC	183.75	***
T-219	Storage Tank 219	VOC	183.75	***
T-220	Storage Tank 220	VOC	183.75	***
T-221	Storage Tank 221	VOC	91.88	***
T-222	Storage Tank 222	VOC	91.88	***
T-223	Storage Tank 223	VOC	91.88	***
T-224	Storage Tank 224	VOC	91.88	***
T-225	Storage Tank 225	VOC	91.88	***
T-226	Storage Tank 226	VOC	91.88	***
T-227	Storage Tank 227	VOC	91.88	***
T-228	Storage Tank 228	VOC	91.88	***
T-229	Storage Tank 229	VOC	91.88	***
T-230	Storage Tank 230	VOC	91.88	***
T-231	Storage Tank 231	VOC	91.88	***
T-232	Storage Tank 232	VOC	91.88	***
T-233	Storage Tank 233	VOC	91.88	***
T-234	Storage Tank 234	VOC	91.88	***

Emission Sources - Maximum Allowable Emission Rates

T-235	Storage Tank 235	VOC	91.88	***
T-236	Storage Tank 236	VOC	91.88	***
T-237	Storage Tank 237	VOC	91.88	***
T-238	Storage Tank 238	VOC	91.88	***
All EPNs	**All Sources**	**VOC**		**107.7**
2011 Expansion Project				
T-203	Storage Tank 203	VOC	0.67	18.5
T-239	Storage Tank 239	VOC	0.91	18.5
T-240	Storage Tank 240	VOC	1.49	18.5
T-241	Storage Tank 241	VOC	1.49	18.5
T-242	Storage Tank 242	VOC	1.49	18.5
T-243	Storage Tank 243	VOC	1.49	18.5
T-244	Storage Tank 244	VOC	0.67	18.5
T-245	Storage Tank 245	VOC	0.67	18.5
T-246	Storage Tank 246	VOC	1.61	18.5
T-247	Storage Tank 247	VOC	1.62	18.5
T-248	Storage Tank 248	VOC	1.62	18.5
L-18	Railcar/Tank Truck Load Station 18	VOC	103.03	2.59

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
T-03	Flare TO-3	VOC	24.79	0.84
		NOx	3.49	0.15
		CO	6.97	0.3
		SO2	0.01	0.01
Routine Annual Emissions Cap for 2011 Expansion Project (10)	**VOC**			**21.93**
UNC-MSS	Uncontrolled MSS Emissions	VOC	346.48	1.62
PTO	Portable Thermal Oxidizer	VOC	1.16	0.04
		NOx	3.35	0.22
		CO	1.94	0.07
		PM/PM10/PM2.5	0.18	0.02
FUG	Fugitives (2011 Expansion Project) (5)	VOC	0.32	1.39
B-3	Boiler 3 (9)	VOC	0.11	0.48
		NOx	2	8.76
		SO2	0.01	0.05
		PM10	0.15	0.67
		CO	1.68	7.36

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) 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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCL - hydrogen chloride
(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) Flares 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) Subcap for 2011 Expansion project. The emissions are considered part of the All EPNs - All Sources Cap.

Date: April 10, 1012