

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 148931

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)
TK-1101	Storage Tank TK-1101	VOC	6.52	(6)
TK-1102	Storage Tank TK-1102	VOC	2.54	(6)
	Routine Tank Landing TK-1102	VOC	154.08	(6)
TK-1103	Storage Tank 1103	VOC	2.74	(6)
	Routine Tank Landing TK-1103	VOC	154.08	(6)
TK-1104	Storage Tank 1104	VOC	2.74	(6)
	Routine Tank Landing TK-1104	VOC	154.08	(6)
TK-1105	Storage Tank TK-1105	VOC	0.6	(6)
TK-1106	Storage Tank TK-1106	VOC	0.22	(6)
TK-1107	Storage Tank TK-1107	VOC	0.22	(6)
TK-1108	Storage Tank TK-1108	VOC	1.13	(6)
TK-1109	Storage Tank TK-1109	VOC	1.13	(6)
TK-1110	Storage Tank TK-1110	VOC	6.22	(6)
TK-1111	Storage Tank TK-1111	VOC	12.34	(6)
TK-1112	Storage Tank TK-1112	VOC	3.98	(6)
TK-1113	Storage Tank TK-1113	VOC	6.22	(6)
TK-1114	Storage Tank TK-1114	VOC	6.22	(6)
TK-1115	Storage Tank TK-1115	VOC	6.22	(6)
TKCAP	Storage Tank Emissions Cap	VOC		21.81
LDVCU	Loading VCU	VOC	20.43	37.23
		NOx	6.87	17.04
		CO	17.17	42.60
		SO2	0.05	0.1

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		PM	0.58	1.27
		PM10	0.58	1.27
		PM2.5	0.58	1.27
LDVRU	Loading VRU	VOC	20.43	37.23
LDFUG	Uncontrolled Loading Emissions	VOC	31.79	35.64
LDCAP	Loading Emissions Cap	VOC	-	72.88
TK-1130	Oil/Water Separator	VOC	6.58	2.08
SUMP	OWS Sump Tank	VOC	6.58	1.29
FUG	Fugitives (5)	VOC	0.24	1.04
FWP	Stand-By Fire Water Pump	VOC	1.27	0.06
		NOx	1.53	0.08
		CO	2.42	0.12
		SO2	0.01	0.01
		PM	0.14	0.01
		PM10	0.14	0.01
		PM2.5	0.14	0.01
TKFUG	Controlled MSS Tank Landing Fugitives	VOC	152.70	(7)
PVCU	Controlled MSS Tank Landing	VOC	7.44	(7)
		NOx	11.25	0.04
		CO	15.00	0.05
		SO2	0.04	0.01
		PM	0.56	0.01
		PM10	0.56	0.01
		PM2.5	0.56	0.01
LDMSS	Temporary Product Transfer	VOC	49.22	(7)
VPMSS-G	Gasoline Vessels and Piping MSS	VOC	43.03	(7)
VPMSS-D	Diesel Vessels and Piping MSS	VOC	1.43	(7)

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PIGMSS	Pigging MSS Emissions	VOC	0.59	(7)
MSS-CAP	MSS Cap	VOC	-	5.87
HAPCAP	Hazardous Air Pollutants Cap	HAPs		<25 (total HAPs)
				<10 (individual HAP)

- (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) 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
  - HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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) Annual emission limits for these sources are contained in the annual emission limit for EPN: TKCAP
- (7) Annual emission limits for these sources are contained in the annual emission limit for EPN: MSS-CAP

Date: May 25, 2018