Emission Sources - Maximum Allowable Emission Rates

Permit Number 94791

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)
101	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
102	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
103	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
104	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
105	Storage tank	VOC	81.48	1.96
		OO	81.38	2.04
106	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
107	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
108	Storage tank	VOC	79.42	2.32
		OO	79.33	2.43
109	Storage tank	VOC	79.42	2.32
		OO	79.33	2.43
110	Storage tank	VOC	77.63	1.31
		OO	77.53	1.38

Emission Sources - Maximum Allowable Emission Rates

111	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
112	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
113	Storage tank	VOC	81.23	1.96
		OO	81.13	2.04
114	Storage tank	VOC	81.23	1.96
		OO	81.13	2.04
115	Storage tank	VOC	81.23	1.96
		OO	81.13	2.04
116	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
117	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
118	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
119	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
120	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
121	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
122	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53

Emission Sources - Maximum Allowable Emission Rates

123	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
124	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
125	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
126	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
127	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
128	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
129	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
130	Storage tank	VOC	81.48	1.96
		OO	81.38	2.04
131	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
132	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
133	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
134	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70

Emission Sources - Maximum Allowable Emission Rates

135	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
136	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
137	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
138	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
139	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
140	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
141	Storage tank	VOC	51.30	1.09
		OO	51.24	1.13
143	Storage tank	VOC	51.30	1.09
		OO	51.24	1.13
144	Storage tank	VOC	79.42	2.32
		OO	79.33	2.43
145	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
146	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
147	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78

Emission Sources - Maximum Allowable Emission Rates

148	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
149	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
150	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
151	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
152	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
153	Storage tank	VOC	70.53	1.31
		OO	70.44	1.38
154	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
155	Storage tank	VOC	81.48	1.96
		OO	81.38	2.04
156	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
157	Storage tank	VOC	80.23	1.46
		OO	80.13	1.53
158	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
159	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70

Emission Sources - Maximum Allowable Emission Rates

160	Storage tank	VOC	79.39	1.63
		OO	79.29	1.70
161	Storage tank	VOC	49.37	1.09
		OO	49.31	1.13
162	Storage tank	VOC	49.37	1.09
		OO	49.31	1.13
163	Storage tank	VOC	49.37	1.09
		OO	49.31	1.13
164	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
165	Storage tank	VOC	43.20	1.00
		OO	43.15	1.05
166	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
167	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
168	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
169	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
170	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
171	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78

Emission Sources - Maximum Allowable Emission Rates

172	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
173	Storage tank	VOC	86.84	2.67
		OO	86.74	2.78
B1	Blend Tank	VOC	70.01	1.31
		OO	69.92	1.38
B2	Blend Tank	VOC	70.01	1.31
		OO	69.92	1.38
B3	Blend Tank	VOC	31.67	0.96
		OO	31.63	1.02
S1	Silicone Storage Tank	VOC	75.82	1.31
		OO	75.73	1.38
SB1	Silicone Blend Tank	VOC	14.05	0.82
		OO	14.03	0.86
ALL TANKS		VOC	-	14.24
		OO	-	91.84
RL	Railcar Loading	VOC	1.92	0.01
		OO	2.11	0.01
DL-9	Drum Loading Station 9	VOC	0.55	0.01
		OO	0.61	0.01
RTO1	Regenerative Thermal Oxidizer	Total VOC	5.24	3.04
		Isopropyl Ether (7)	2.56	--
		N-butyraldehyde (7)	0.50	--
		Hexene (7)	2.54	--

Emission Sources - Maximum Allowable Emission Rates

		Octene (7)	0.70	--
		OO	4.58	0.55
		CO	1.95	0.82
		NOx	0.42	0.42
		PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		SO_2	0.01	0.02
FUG1	Fugitive Area 1	VOC	1.27	5.56
		OO	1.27	5.56
FUG2	Fugitive Area 2	VOC	0.24	1.03
		OO	0.24	1.03
ALL	Site-wide Emissions (8)	Total VOC	-	24.5
		Total OO	-	99.00
		Individual HAPS	-	<10.00
		Aggregate HAPS	-	<25.00
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
Unregistered PBR 106.511				
FWP	Firewater Pump	VOC (6)	2.42	0.60
		NOx	1.77	0.44
		CO	1.12	0.28
		PM	0.12	0.03
		PM_{10}	0.12	0.03
		$PM_{2.5}$	0.12	0.03

Emission Sources - Maximum Allowable Emission Rates

		SO_2	0.10	0.02
BG	Backup Generator	VOC (6)	0.03	0.01
		NOx	1.04	0.26
		CO	0.08	0.02
		PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		SO_2	0.01	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
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 $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
OO - Other Organics not classified as VOC
(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 emissions are not included in EPN ALL annual emissions cap.
(7) Short term and annual emissions are included in Total VOC short term and annual limits.
(8) Cap includes all emissions as authorized by 30 TAC Chapter 116 and 30 TAC Chapter 106 for the site.

Date : March 5, 2013