Emission Sources - Maximum Allowable Emission Rates

Permit Number 669

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-9	Blending Vessel	VOC	6.41	0.21
BD-1	Storage Tank	VOC	7.71	0.28
BL-1	Blending Vessel	VOC	6.41	0.22
BL-2	Blending Vessel	VOC	6.41	0.22
BL-3	Blending Vessel	VOC	6.41	0.14
BL-6	Blending Vessel	VOC	6.41	0.02
BL-7	Blending Vessel	VOC	7.64	0.16
BL-8	Blending Vessel	VOC	7.71	0.16
BL-9	Blending Vessel	VOC	6.41	0.19
BL-10	Blending Vessel	VOC	6.41	0.22
BL-12	Storage Tank	VOC	7.71	0.27
BL-13	Storage Tank	VOC	7.71	0.22
SBD-PV1	Blending Vessel BL-14	VOC	6.41	0.08
	Blending Vessel BL-15	VOC	6.41	0.08
	Blending Vessel BL-16	VOC	6.41	0.08
SBD-PV2	Blending Vessel BL-19	VOC	6.41	0.21
	Blending Vessel BL-20	VOC	6.41	0.21
SBD-PV3	Blending Vessel BL-21	VOC	6.41	0.21
	Blending Vessel BL-22	VOC	7.72	0.24
BL-23	Blending Vessel	VOC	6.41	0.21
BL-24	Blending Vessel	VOC	6.41	0.21
BL-25	Blending Vessel	VOC	6.41	0.42
BL-26	Blending Vessel	VOC	6.41	0.42
BL-27	Blending Vessel	VOC	6.41	0.22

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BL-28	Blending Vessel	VOC	6.41	0.22
BL-29	Blending Vessel	VOC	6.41	1.41
BL-30	Blending Vessel	VOC	6.41	0.47
BL-31	Blending Vessel	VOC	6.41	0.47
BL-32	Blending Vessel	VOC	6.41	1.42
BL-33	Blending Vessel	VOC	0.01	0.01
BL-36	Blending Vessel	VOC	0.89	0.08
D-67	Blending Vessel	VOC	6.41	1.42
D-68	Blending Vessel	VOC	6.41	1.42
D-69	Blending Vessel	VOC	6.41	1.42
D-70	Blending Vessel	VOC	6.41	1.42
I-4	Blending Vessel	VOC	0.48	0.19
SS-1	Blending Vessel	VOC	0.66	0.06
SS-2	Blending Vessel	VOC	0.66	0.06
SA-1	Storage Tank	VOC	0.08	0.01
SA-2	Storage Tank	VOC	0.22	0.02
SA-3	Storage Tank	VOC	0.09	0.01
FI-02	BSL Blending Vessel and Tank Emissions Vented to the 177 Unit Incinerator	VOC	0.01	0.01
		H_2S	0.02	0.01
		SO_2	3.41	0.24
FI-03	PRO-1 MSS Emissions vented to MMB Incinerator	VOC	0.89	0.01
		HAP	0.89	0.01
FL-MMB	PRO-1 MSS Emissions vented to MMB Flare	VOC	8.91	0.01
		HAP	8.91	0.01
S-36	Scrubber	VOC	0.02	0.01
		HCl	0.01	0.01
S-61	Scrubber	VOC	0.01	0.01
		HCl	0.03	0.01

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S-41	PRO-1 MSS Emissions vented to Scrubber	VOC	0.83	0.01
		HAP	0.83	0.01
MSS-PRO1	PRO-1 MSS Emissions vented to Atmosphere	VOC	0.01	0.01
		HAP	0.01	0.01
FL-177	Standby Flare Service when Incinerator FI-02 is not in operation	VOC	0.14	0.01
		H_2S	0.02	0.01
		SO_2	3.41	0.02
BSL-FUG	Blending, Storage, Loading, and Fugitives (5)	VOC	2.73	11.97
		HAP	0.78	3.42
		H_2S	0.01	0.01
		SO_2	0.01	0.01
SD-31	D-31 Scrubber	VOC	0.02	0.02
		H_2S	0.02	0.02
		NaHS	0.01	0.01
		Na_2S	0.01	0.01
		Na_2CO_3	0.01	0.01
D-90	Storage Tank	VOC	0.35	0.08
D-91	Storage Tank	VOC	5.22	0.08
P-36A	Storage Tank	VOC	0.22	0.02
MSS-BLEND	Routine Maintenance Activities	VOC	5.51	0.14
RAILCARCLN	Railcar Cleaning	VOC	1.24	1.34
		H_2S	0.01	0.01
		HCl	0.01	0.01
		H_2SO_4	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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HCl - hydrogen chloride
H_2SO_4 - sulfuric acid
H_2S - hydrogen sulfide
NaHS - sodium hydrosulfide
Na_2CO_3 - sodium carbonate

Emission Sources - Maximum Allowable Emission Rates

Na_2S	- sodium sulfide
NOx	- 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
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.

Date: September 17, 2019