

Emission Sources - Maximum Allowable Emission Rates

Permit Number 155341

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)
F-68-4A	Brine Pond	VOC	0.04	0.19
F-68-4B	Brine Pond	VOC	0.02	0.10
F-68-4C	Brine Pond	VOC	0.03	0.14
F-68-4D	Brine Pond	VOC	0.02	0.09
F-68-4E	Brine Pond	VOC	0.01	0.07
F-68-4F	Brine Pond	VOC	0.08	0.34
F-68-4G	Brine Pond	VOC	0.50	2.20
F-68-4H	Brine Pond	VOC	0.60	2.62
F-68-4T	Fugitives	VOC	12.47	54.62
		NH3	0.04	0.0003
		Benzene	0.02	0.0034
		H2S	0.03	0.0236
		HCl	0.02	0.0008
		HF	0.01	0.0004
	Tank Cap	VOC	-	26.58
5525	Tank	VOC	6.18	See Tank Cap
5536	Tank	VOC	6.18	See Tank Cap
5537	Tank	VOC	31.60	See Tank Cap
5539	Tank	VOC	3.90	See Tank Cap
5540	Tank	VOC	4.12	See Tank Cap
5541	Tank	VOC	4.00	See Tank Cap
5542	Tank	VOC	6.65	See Tank Cap
5543	Tank	VOC	5.49	See Tank Cap
5544	Tank	VOC	6.67	See Tank Cap
5545	Tank	VOC	6.66	See Tank Cap
5548	Tank	VOC	3.90	See Tank Cap
66FL8 Project Number: 295680	Flare	NOX	0.61	0.83
		SO2	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		VOC	2.59	8.01
		CO	1.21	1.66
		Benzene	0.0002	0.0008
		H ₂ S	<0.0001	<0.0001
		HCL	0.0001	0.0003
66FL10	Flare	NOX	0.31	0.44
		SO ₂	0.0003	0.0015
		VOC	2.05	7.29
		CO	0.62	0.87
		Benzene	0.0002	0.0008
		H ₂ S	<0.0001	<0.0001
		HCL	0.0001	0.0003
66FL11	Flare	NOX	0.31	0.44
		SO ₂	0.01	0.03
		VOC	2.05	7.29
		CO	0.62	0.87
		Benzene	0.0002	0.0008
		H ₂ S	<0.0001	<0.0001
		HCL	0.0001	0.0003
MSS-VAC MSS-CHEM MSS-BLAST MSS-FRAC MSS-MAINTACT MSS-DRAING	Atmospheric MSS	VOC	21.84	1.36
		PM	0.23	0.14
		PM ₁₀	0.23	0.14
		PM _{2.5}	0.23	0.14
MSS-CHEM	Chemicals and Cleaners for MSS	VOC	1.14	1.18
MISC-MSS	Miscellaneous MSS Activities (Low Emitting Activities)	VOC	4.21	0.22
MSS-TANKS	Tank MSS (5)	VOC	0.48	0.02
F-68-4A F-68-4B F-68-4C F-68-4D F-68-4E F-68-4F F-68-4G F-68-4H	Brine Flare MSS	CO	0.02	0.03
		NO _x	0.01	0.01
		VOC	2.04	4.52

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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
NH₃ - ammonia
H₂S - hydrogen sulfide
HCl - hydrogen chloride
HF - hydrogen fluoride
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emissions may occur at any tank.

Date: March 22, 2019

ATTACHMENT I

CONTAMINANTS, EMISSION POINT NUMBERS, AND SOURCE NAMES

Permit Number 155341

This table lists the emission point numbers and source names by contaminant included in the emission limit in the maximum allowable emission rate table.

Contaminant (3)	Emission Point No. (1)	Source Name (2)
-----------------	------------------------	-----------------

SO₂ SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit

VOC SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit
F-68-4t	JTF Fugitives
F-68-4a	100M SWT Brine Pond
F-68-4b	55M SWT Brine Pond
F-68-4c	100M Sour Brine Pond
F-68-4d	100M SWT Brine Pond
F-68-4e	30M SWT Brine Pond
F-68-4f	300M Sour Brine Pond
F-68-4g	2MM Brine Pond
F-68-4h	3MM Brine Pond
5525	Tank Storage
5536	Tank Storage
5537	Tank Storage
5539	Tank Storage
5540	Tank Storage
5541	Tank Storage
5542	Tank Storage
5543	Tank Storage
5544	Tank Storage
5545	Tank Storage
5548	Tank Storage

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

NO_x SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit

CO SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit

BENZENE SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit
F-68-4t	JTF Fugitives

H₂S SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL10	100M Swt Brine Flare Pit
66FL11	30M Swt Brine Flare Pit
F-68-4t	JTF Fugitives

NH₃ SOURCES:

F-68-4t	JTF Fugitives
---------	---------------

HCl SOURCES:

66FL8	100M Sour Brine Flare Pit
66FL11	30M Swt Brine Flare Pit
F-68-4t	JTF Fugitives

HF SOURCES:

F-68-4t	JTF Fugitives
---------	---------------

CONTAMINANTS, EMISSION POINT NUMBERS,
AND SOURCE NAMES

- (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
 - HCl - hydrogen chloride
 - HF - hydrogen fluoride
 - H₂S - hydrogen sulfide
 - NH₃ - ammonia
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

Dated: March 22, 2019