

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 1472

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)
A26F1	Flare	CO	158.69	36.31
		NO <sub>x</sub>	12.75	2.91
		VOC	2.77	0.77
		SO <sub>2</sub>	2.36	0.54
A26F1	Flare (maintenance)	CO	153.54	0.25
		NO <sub>x</sub>	22.37	0.04
		VOC	90.02	0.07
		SO <sub>2</sub>	1.60	0.01
A26LR01	Loading Area LR2620	NH <sub>3</sub>	0.80	0.06
A26LR02	Loading Area 941-2	NH <sub>3</sub>	0.97	0.02
A26LR06	Loading Area 942-2	NH <sub>3</sub>	0.67	0.03
A26RX2	Batch Reactor R-2	NO <sub>x</sub>	0.10	0.05
A26RX3A	Batch Reactor R-3A	NH <sub>3</sub>	0.03	0.01
A26RX320	Batch Reactor R-320	NH <sub>3</sub>	0.09	0.09
		PM	0.02	<0.01
		PM <sub>10</sub>	0.02	<0.01
		PM <sub>2.5</sub>	0.02	<0.01
A26S500	Waste Gas Boiler	CO	4.74	9.25
		NO <sub>x</sub>	18.59	59.89
		PM	1.09	3.57
		PM <sub>2.5</sub>	1.09	3.57
		PM <sub>10</sub>	1.09	3.57
		SO <sub>2</sub>	2.05	0.94
		VOC	0.96	3.29
		HCN	0.07	0.28

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	Waste Gas Boiler (MSS)	CO	2.52	1.81
		NO <sub>x</sub>	4.20	3.02
		PM	0.23	0.16
		PM <sub>2.5</sub>	0.23	0.16
		PM <sub>10</sub>	0.23	0.16
		SO <sub>2</sub>	0.43	0.04
		VOC	0.17	0.12
A26SP303	Loading Area BF-303	PM	0.01	0.06
		PM <sub>2.5</sub>	0.01	0.06
		PM <sub>10</sub>	0.01	0.06
A26ST14B	Storage Tank D-14B	NH <sub>3</sub>	0.24	0.13
A26ST15C	Storage Tank D-15C	VOC	0.40	0.02
A26ST19A	Storage Tank D-19A	NH <sub>3</sub>	<0.01	0.07
A26ST20E	Storage Tank D-20E	NH <sub>3</sub>	0.24	0.13
A26ST20H	Storage Tank V-500D	NH <sub>3</sub>	0.28	0.20
A26ST20N	Storage Tank D-20N	NH <sub>3</sub>	0.28	0.20
A26ST25C	Storage Tank D-25C	NH <sub>3</sub>	0.01	0.29
A26ST107	Storage Tank D-107	NH <sub>3</sub>	0.03	0.01
A26ST275A	Storage Tank D-275A	VOC	3.47	0.30
A26ST330	Storage Tank D-330	NH <sub>3</sub>	0.22	0.04
A26ST511	Storage Tank D-511	NH <sub>3</sub>	0.12	0.04
A26ST516	Storage Tank D-516	NH <sub>3</sub>	0.01	0.08
A26ST517	Storage Tank D-517	NH <sub>3</sub>	0.05	0.01
A26ST518	Storage Tank D-518	NH <sub>3</sub>	0.03	0.01
A26ST550	Storage Tank D-550	VOC	0.01	0.04
A26SV207	Scrubber D-207	PM	0.31	1.30
		PM <sub>10</sub>	0.31	1.30
		PM <sub>2.5</sub>	0.31	1.30
Project Number: 342555 A26SV615	Scrubber D-615	PM	0.01	0.04
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	0.01	0.04

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A26SV230	Scrubber D-230	PM	0.21	0.18
		PM <sub>10</sub>	0.21	0.18
		PM <sub>2.5</sub>	0.21	0.18
A26SV510	Scrubber SV-510	VOC	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01
	Scrubber SV-510 (maintenance)	NH <sub>3</sub>	3.45	<0.01
A26SV511	Scrubber SV-511	NH <sub>3</sub>	0.07	0.15
A26CT3	Cooling Tower CT-3 (5)	NH <sub>3</sub>	2.30	3.07
		VOC	0.80	2.63
		PM	0.21	0.75
		PM <sub>10</sub>	0.21	0.75
		PM <sub>2.5</sub>	0.21	0.75
		HCN	0.12	0.54
A26FU1	Process Fugitives (5)	Cl <sub>2</sub>	0.01	0.04
		VOC	0.37	1.62
		HCN	<0.01	0.02
		NH <sub>3</sub>	0.07	0.30
		NO <sub>x</sub>	0.02	0.06
		CFC-22	0.03	0.15
A26FU01	Maintenance Fugitives	Cl <sub>2</sub>	0.04	0.44
		VOC	0.56	1.34
		HCN	0.04	0.44
		NH <sub>3</sub>	0.37	0.44
		NO <sub>x</sub>	0.04	0.44
		CFC-22	0.93	0.44

- (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) NH<sub>3</sub> - ammonia  
 CO - carbon monoxide

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- Cl<sub>2</sub> - chlorine
  - CFC-22 - chlorodifluoromethane
  - HCN - hydrogen cyanide
  - NO<sub>x</sub> - nitrogen oxides
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns in diameter.
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined by Title 30 Texas Administrative Code § 101.1
- (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: October 27, 2022