

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 6382

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)
A38S31	S-31 Absorber	NH <sub>3</sub>	<0.01	<0.01
		VOC	0.28	0.02
A38S61	S-61 Absorber	VOC	0.10	<0.01
A38S501	S-501 Absorber	VOC	<0.01	<0.01
A38S100	S-100 Absorber	VOC	0.38	0.12
A38S540	S-540 Absorber	VOC	0.26	0.03
A38S503R	S-503 Absorber	VOC	0.72	0.20
A38S545	S-545 Absorber	VOC	1.05	<0.01
A38S296	S-296 Absorber	VOC	0.50	0.16
A38S396	S-396 Absorber	VOC	1.03	0.24
A38SU1052	Sump SU-1052	NH <sub>3</sub>	0.01	0.06
		VOC	<0.01	<0.01
A38SU1057	Sump SU-1057	NH <sub>3</sub>	<0.01	0.01
		VOC	<0.01	<0.01
A38SU1058	Sump SU-1058	NH <sub>3</sub>	0.01	0.06
		VOC	<0.01	<0.01
A38SU1059	Sump SU-1059	NH <sub>3</sub>	0.01	0.06
		VOC	<0.01	0.01
A38SU1060	Sump SU-1060	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1062	Sump SU-1062	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1063	Sump SU-1063	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1064	Sump SU-1064	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1065	Sump SU-1065	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1067	Sump SU-1067	NH <sub>3</sub>	<0.01	0.01
		VOC	<0.01	<0.01
A38SU1068	Sump SU-1068	NH <sub>3</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
A38SU1072	Sump SU-1072	NH <sub>3</sub>	0.03	0.15
		VOC	<0.01	0.01

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A38SU1075	Sump SU-1075	NH <sub>3</sub>	<0.01	0.02
		VOC	<0.01	<0.01
A38SU1076	Sump SU-1076	NH <sub>3</sub>	<0.01	0.01
		VOC	<0.01	<0.01
A38D102	Storage Tank D-102	VOC	0.07	<0.01
A38D104	Storage Tank D-104	VOC	0.10	<0.01
A38D107	Storage Tank D-107	VOC	<0.01	<0.01
A38D108	Storage Tank D-108	VOC	<0.01	<0.01
A38D111	Storage Tank D-111	VOC	<0.01	<0.01
A38D112	Storage Tank D-112	VOC	0.10	<0.01
A38D113	Storage Tank D-113	VOC	0.10	<0.01
A38D116	Storage Tank D-116	VOC	0.02	<0.01
A38D153	Storage Tank D-153	VOC	0.02	<0.01
A38D156	Storage Tank D-156	VOC	<0.01	<0.01
A38D157	Storage Tank D-157	VOC	<0.01	<0.01
A38D601	Wastewater Tank D-601	VOC	0.08	0.03
A38D602	Wastewater Tank D-602	NH <sub>3</sub>	0.12	0.02
		VOC	0.07	0.01
A38D603	Mixed AMINES Tank D-603	VOC	6.98	0.14
A38D604	Mixed AMINES Tank D-604	VOC	6.99	0.19
A38D660	Storage Tank D-660	VOC	0.13	0.02
		NH <sub>3</sub>	0.24	0.04
A38D661	Storage Tank D-661	VOC	0.13	0.02
		NH <sub>3</sub>	0.24	0.04
A38D700A	Castmate and Mormate Drumming	VOC	0.11	<0.01
A38WW	Wastewater Collection System	NH <sub>3</sub>	<0.01	0.04
		VOC	<0.01	<0.01
A38COOLTWR	Cooling Tower	NH <sub>3</sub>	0.18	0.78
		PM	0.52	1.42
		PM <sub>10</sub>	0.29	0.80
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.95	2.21
A38PARTCLR	MAINTENANCE PARTS CLEANER	VOC	0.25	0.25
A38FUGITIV	A3800 Process Fugitives (5)	HCL	0.02	0.08
		NH <sub>3</sub>	0.35	1.55
		EDC	0.24	1.03

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		VCM	0.28	1.23
		VOC (6)	1.66	7.26
MSS-Line	MSS Line Breaks	VOC	0.38	0.01
		NH <sub>3</sub>	0.03	0.01
MSS-Wash	MSS Washouts	VOC	4.42	0.01
		NH <sub>3</sub>	0.01	0.01
MSS-Pan	MSS Pan Emissions	VOC	0.82	0.06
		NH <sub>3</sub>	0.01	0.01
MSS-Tran	MSS Transfer Pumps	VOC	0.14	0.01
		NH <sub>3</sub>	0.01	0.01
MSS-Frac	MSS Frac Tanks	VOC	5.49	0.62
		NH <sub>3</sub>	0.63	1.00
MSS-Prim	MSS Priming Pumps	VOC	4.00	0.01
		NH <sub>3</sub>	2.00	0.01
MSS-Aero	MSS Aerosols	VOC	11.25	0.31

- (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
- 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
- VCM - vinyl chloride monomer
- EDC - ethylene dichloride
- HCL - hydrochloric acid
- NaOH - sodium hydroxide
- (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) The EDC and VCM emissions are included in total VOC.

Date: May 28, 2021