Emission Sources - Maximum Allowable Emission Rates

Permit Number 20178

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 (6)	
			lbs/hour	TPY (4)
6-175	Cooling Water Units	VOC	<0.01	<0.01
6-31	Boiler 6W	NO_x	2.04	0.31
		CO	1.00	0.24
		SO_2	2.56	0.10
		VOC	0.07	0.03
		PM	0.26	0.03
		PM_{10}	0.26	0.03
		$PM_{2.5}$	0.26	0.03
1-217	Tool & Die Shop	PM	0.03	0.03
		PM_{10}	0.02	0.02
		$PM_{2.5}$	<0.01	<0.01
1-220	Project Vapor Recovery	VOC	1.40	0.21
1-21	Print Shop	VOC	2.46	5.27
1-27	Needles Shop, Parts Washer, Epoxy Ovens, Heat Treating Ovens, and Plasma Oven	VOC	0.33	0.33
1-25	Silicone Mixing Room	VOC	0.38	0.81
		HAP (xylene)	<0.01	0.02
1-29	Machine Shop, Parts Washer, and Welding Booth	VOC	0.08	0.08
		PM	0.05	0.05
		PM_{10}	0.05	0.05
		$PM_{2.5}$	0.05	0.05

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Hot Room	Hot Room (5)	EtO	<0.01	<0.01
2-1	Maintenance Building, Welding Booth, and Abrasive Blast Cleaning	VOC	0.05	0.05
		PM	0.11	0.15
		PM_{10}	0.08	0.10
		$PM_{2.5}$	0.05	0.05
3-70	Lab Source A	VOC	<0.01	0.03
3-71	Lab Source B	VOC	<0.01	0.03
3-76	Lab Source C	VOC	<0.01	0.03
3-77	Mechanics Shop and Parts Washer	VOC	0.03	0.03
B-43	Boiler 43	NO_x	1.75	2.86
		CO	1.03	4.41
		SO_2	3.73	0.67
		VOC	0.07	0.29
		PM	0.18	0.41
		PM_{10}	0.18	0.41
		$PM_{2.5}$	0.18	0.41
B-44	Boiler 44	NO_x	1.75	2.86
		CO	1.03	4.41
		SO_2	3.73	0.67
		VOC	0.07	0.29
		PM	0.18	0.41
		PM_{10}	0.18	0.41
		$PM_{2.5}$	0.18	0.41
Fugitives	Maintenance Activities and Hand-held Equipment	VOC	0.10	0.10

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		PM	0.20	0.20
		PM_{10}	0.20	0.20
		$PM_{2.5}$	0.10	0.10
ETHSA1	25,000 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA7	200 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA8	500 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA9	700 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA10	300 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA11	250 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA12	150 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA15	55 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA16	169 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
ETHSA22	300 gal Distallate Fuel Oil Tank	VOC	<0.01	<0.01
11-01	LESNI Balance-Abator	EtO	0.09	0.20
11-02	LESNI Balance-Abator	EtO	0.09	0.20

(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) EtO -ethylene oxide
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

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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.
(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: November 27, 2023