Emission Sources - Maximum Allowable Emission Rates

Permit Number 56448

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 (5)(7)	
			lbs/hour	TPY (4)
1	Consumer Plant	VOC	0.46	0.11
		NH_3	16.56	3.86
		PM	0.29	1.27
		PM_{10}	0.14	0.63
		$PM_{2.5}$	0.14	0.63
DC-EPN2	Dust Collector – Industrial Main Plant	PM	0.33	1.43
		PM_{10}	0.16	0.72
		$PM_{2.5}$	0.16	0.72
DC-EPN3	Dust Collector – HM-11 and HM-12	PM	0.03	0.12
		PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.06
BLDG–I-DC	Dust Collector – Dispense	PM	0.04	0.17
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08
INDPL	Industrial Plant Building	VOC	1.81	1.89
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
DC-EPN2, DC-EPN3, BLDG-I-DC, INDPL	Industrial Plant	VOC	14.73	19.77
		Exempt Solvent	<0.01	<0.01
		Ammonia	<0.01	<0.01
BLDG–Q-DC	Dust Collector – Industrial Warehouse	PM	0.04	0.18
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09

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SB-12	0110-Spraybooth-12 (QC Lab)	VOC	0.80	3.51
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SB-11	0110-Spraybooth-11 (PE Lab)	VOC	0.47	2.05
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TD-01	0110-Turbodisk System	VOC	1.22	3.00
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SB-07	0110-Spraybooth-07	VOC	0.35	1.55
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SB-09	0110-Spraybooth-09 (North)	VOC	0.85	3.73
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SB-10	0110-Spraybooth-10 (South)	VOC	0.85	3.73
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
SB-08	0110-Spraybooth-08	VOC	0.25	0.33
		PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
TRKLOAD-I	Truck Loading - Industrial	VOC	4.68	0.07

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		Ammonia	0.01	<0.01
6	Packaging Plant Thermal Oxidizer/Waste Heat Boiler - 10.50 MMBtu/hr	VOC	0.56	1.34
		Exempt Solvent	<0.01	<0.01
		NO_x	3.80	10.52
		CO	1.56	5.29
		SO_2	0.01	0.03
		PM	0.41	0.95
		PM_{10}	0.38	0.94
		$PM_{2.5}$	0.38	0.94
		Ammonia	<0.01	0.01
SCRB-1 (6)	Packaging Plant Scrubber – Thermal Oxidizer/Waste Heat Boiler Backup	VOC	20.09	0.50
		Exempt Solvent	0.01	0.01
		Ammonia	0.20	<0.01
TRKLOAD-P	Truck Loading - Packaging	VOC	14.82	0.31
		Ammonia	0.15	0.01
SFL-P	Scaled Fill Line - Packaging	VOC	3.19	0.39
		Ammonia	0.07	0.01
B-001	Steam Boiler -01 – 10.04 MMBtu/hr	NO_x	0.29	1.25
		CO	0.83	3.62
		VOC	0.05	0.24
		SO_2	0.01	0.03
		PM	0.07	0.33
		PM_{10}	0.07	0.33
		$PM_{2.5}$	0.07	0.33
B-002	Steam Boiler -02 – 10.04 MMBtu/hr	NO_x	0.36	1.57
		CO	1.04	4.54
		VOC	0.07	0.30
		SO_2	0.01	0.03
		PM	0.09	0.42

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		PM_{10}	0.09	0.42
		$PM_{2.5}$	0.09	0.42
B-004	Steam Boiler -04 – 6.36 MMBtu/hr	NO_x	0.62	2.73
		CO	0.52	2.29
		VOC	0.03	0.15
		SO_2	0.01	0.02
		PM	0.05	0.21
		PM_{10}	0.05	0.21
		$PM_{2.5}$	0.05	0.21
NG Ovens	12 Laboratory Natural Gas Fired Ovens	NO_x	0.27	1.20
		CO	0.23	1.01
		VOC	0.02	0.07
		SO_2	<0.01	0.01
		PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
7	Storage Tanks	VOC	25.69	5.44
		NH_3	0.70	0.12
SRS	Solvent Recovery System	VOC	1.34	0.57
		Exempt Solvent	<0.06	<0.02
PIPEFUG (7)	Piping Fugitives	VOC	1.23	5.39
PKGPLT	Packaging Plant	VOC	<0.01	<0.01
WWTS	Waste Water Treatment System	VOC	<0.01	<0.01
Site MSS	Non-point Source MSS Activities	VOC	120.12	4.15
		Exempt Solvent	0.01	0.01
		NH_3	0.08	<0.01
		CO	1.43	0.01
		H_2S	1.43	0.01
		PM	<0.01	<0.01

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		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
All EPNs	All Sources at Site	Individual HAP	---	<10.00
		Total HAP	---	<25.00

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
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
CO - carbon monoxide
NH_3 -ammonia
H_2S -Hydrogen sulfide
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 rates include planned maintenance, startup and shutdown activities.
(6) Scrubber operation is limited to 50 hours per six month period while the Thermal Oxidizer/Waste Heat Boiler is undergoing planned maintenance, start-up or shutdown.
(7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 27, 2018