

Emission Sources - Maximum Allowable Emission Rates

Permit Number 87835

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 (7)	
			lbs/hour	TPY (4)
GRIT8	Grit Booth - Bldg 8	PM	0.06	---
		PM ₁₀	0.04	---
		PM _{2.5}	0.03	---
GRIT11_1, GRIT11_2, GRIT11_3, and GRIT11_4	Grit Booth - Bldg 11	PM	0.11	---
		PM ₁₀	0.09	---
		PM _{2.5}	0.06	---
GRITCAP	Abrasive Blasting Operations Bldg 8 and Bldg 11	PM	---	0.24
		PM ₁₀	---	0.19
		PM _{2.5}	---	0.13
ENG1	Engine Testing - Bldg 1	VOC	1.94	0.20
		PM	0.08	0.01
		PM ₁₀	0.08	0.01
		PM _{2.5}	0.08	0.01
		NO _x	2.80	0.23
		CO	7.18	0.68
		SO ₂	0.01	0.01
ENG6	Engine Testing - Bldg 6	VOC	1.94	0.20
		PM	0.08	0.01
		PM ₁₀	0.08	0.01
		PM _{2.5}	0.08	0.01
		NO _x	2.80	0.23
		CO	7.18	0.68
		SO ₂	0.01	0.01
ENGTESTCAP	Engine Testing in Assembly 1 & 6	VOC	1.94	0.20

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		PM	0.08	0.01
		PM ₁₀	0.08	0.01
		PM _{2.5}	0.08	0.01
		NO _x	2.80	0.23
		CO	7.18	0.68
		SO ₂	0.01	0.01
DYNO	Dyno Test at Full Load	VOC	6.58	0.16
		PM	0.31	0.01
		PM ₁₀	0.31	0.01
		PM _{2.5}	0.31	0.01
		NO _x	20.88	0.20
		CO	28.71	0.72
		SO ₂	0.02	0.01
STK11_1 through STK11_8	Bldg 11 Painting Operations and Air Make-up Units 1, 2, 3. and 4	VOC	105.59	---
		Exempt Solvent	31.06	---
		PM	0.03	---
		PM ₁₀	0.03	---
		PM _{2.5}	0.03	---
		VOC (6)	0.07	0.30
		PM (6)	0.09	0.41
		PM ₁₀ (6)	0.09	0.41
		PM _{2.5} (6)	0.09	0.41
		NO _x	1.23	5.38
		CO	1.03	4.52
		SO ₂	0.01	0.03
STK11_1 through STK11_8	Cleaning Emissions - Bldg 11	VOC	29.76	---
		Exempt Solvent	26.36	---
STK8_1 and STK8_2	Painting Operations - Bldg 8	VOC	105.59	---
		Exempt Solvent	31.06	---

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		PM	0.03	---
		PM ₁₀	0.03	---
		PM _{2.5}	0.03	---
STK8_1 and STK8_2	Cleaning Emissions – Bldg 8	VOC	29.76	---
		Exempt Solvent	26.36	---
CAP811	CAP: Paint Booth & Cleaning Emissions: Bldg 8 & 11	VOC	---	61.15
		Exempt Solvent	---	36.85
		PM	---	0.02
		PM ₁₀	---	0.02
		PM _{2.5}	---	0.02
STK9_1 through STK9_6	Painting Operations – Bldg 9	VOC	33.79	---
		Exempt Solvent	9.94	---
		PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
STK9_1 through STK9_6	Cleaning Emissions – Bldg 9	VOC	5.58	---
		Exempt Solvent	4.94	---
CAP9	CAP: Paint Booth & Cleaning Emissions: Bldg 9	VOC	---	21.96
		Exempt Solvent	---	12.80
FUG	Touch-up Emissions	VOC	1.06	1.28
		Exempt Solvent	0.31	0.45
FUG	Manual Application of High-Temperature Paint	VOC	6.93	0.07
FUG	Aerosol Spray Cans	VOC	0.87	0.10
		Exempt Solvent	0.40	0.05
		PM	0.12	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
All EPNs at Site	All Sources at Site	Individual HAP	---	<10
		Total HAP	---	<25

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- (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
 - SO₂
 - sulfur dioxide
 - PM
 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀
 - 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
 - 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) From products of combustion/
- (7) Emission rates include planned maintenance startup and shutdown activities.

Date: DRAFT OCT XX, 2021