

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 43652

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)	
			lbs/hour	TPY (4)
DC1	Product Finishing Dust Collector # 1	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.11	0.35
DC3	Product Finishing Dust Collector # 3	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	2.14	7.02
DC4	Product Finishing Dust Collector # 4	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.72	2.36
DC5	Product Finishing Dust Collector # 5	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	2.14	7.02
DC6	Phthalic Anhydride/ Alicyclic Anhydride Dust Collector # 6	Phthalic Anhydride (PM)	< 0.01	0.02
		Alicyclic Anhydride (VOC)	< 0.01	< 0.01
DC7	Silica Silo # 1 Dust Collector # 7	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.16	0.52
DC8	Silica Silo # 2 Dust Collector # 8	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.09	0.28
DC11	Silica Silo # 3 Dust Collector # 11	PM/PM <sub>10</sub>	0.12	0.08
		PM <sub>2.5</sub>	0.02	0.01
DC12	Silica Silo # 4 Dust Collector # 12	PM/PM <sub>10</sub>	0.12	0.08
		PM <sub>2.5</sub>	< 0.01	< 0.01
FUG1	Building Fugitives	VOC	19.80	40.64
		Exempt Solvent	7.63	14.84
		Phthalic Anhydride (PM)	< 0.01	< 0.01

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S3 - S5, S10- S12, S16 - S20, S23 - S24, and S26-S29	Gel Ovens #1-15, Small Parts Ovens #1-4, and Sink Ovens #1-7	VOC	0.27	1.20
		Phthalic Anhydride (PM)	0.14	0.62
S3 - S20, and S23 - S29	Gel Ovens #1-15, Cure Ovens #1-9, Sink Ovens #1-7, Small Parts Ovens #1-4, and Trough Ovens #1-3	NO <sub>x</sub> (combustion)	0.61	2.45
		CO (combustion)	0.51	0.62
		SO <sub>2</sub> (combustion)	< 0.01	0.01
		VOC (combustion)	0.03	0.13
		PM (combustion)	0.05	0.19
		PM <sub>10</sub> (combustion)	0.05	0.19
		PM <sub>2.5</sub> (combustion)	0.05	0.19
All	Site-Wide	Single HAP		< 10.00
		Total HAPs		< 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<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - 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) The allowable emission rates include emissions from planned maintenance, startup, and shutdown activities.

Date: November 26, 2013