

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 55504

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)
FUGREC	Receiving Operations Fugitives (6) (Truck Offloading, Loading into Hopper, and Partially Enclosed Transfer to Elevator)	PM	5.40	1.35
		PM <sub>10</sub>	1.77	0.44
		PM <sub>2.5</sub>	1.77	0.44
PROCFUG	Process Operations Fugitives (6) (Partially Enclosed Transfer to Augers, Partially Enclosed and Open Transfers to Belts, Partially Enclosed Transfer to Elevators, Partially Enclosed Transfer to Bins, Hooded Transfers, Delinting Operations Fugitives, Gravity Table Fugitives, Rework Table Fugitives, and Shaker Table Fugitives)	PM	0.44	0.74
		PM <sub>10</sub>	0.21	0.35
		PM <sub>2.5</sub>	0.21	0.35
		HCl	0.10	0.16
C-2	Dryer Operations Cyclone Stack (Dryer Cyclone and Dryer Burner)	PM	1.17	3.52
		PM <sub>10</sub>	1.17	3.52
		PM <sub>2.5</sub>	1.17	3.52
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.20	0.60
		CO	0.16	0.48
		VOC	0.01	0.03

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C-4	Cleaner Cyclone Stack	PM	2.48	7.43
		PM <sub>10</sub>	2.48	7.43
		PM <sub>2.5</sub>	2.48	7.43
C-6	Treater/Bagger Cyclone Stack	PM	0.39	1.18
		PM <sub>10</sub>	0.39	1.18
		PM <sub>2.5</sub>	0.39	1.18
C-7	Gravity Tables Cyclone Stack	PM	0.10	0.31
		PM <sub>10</sub>	0.10	0.31
		PM <sub>2.5</sub>	0.10	0.31
F-1	Delinting Operations Bag Filter Stack (Delinting Drum and Delinting Burner)	PM (Including NH <sub>4</sub> Cl)	1.20	3.60
		PM <sub>10</sub> ( Including NH <sub>4</sub> Cl)	1.20	3.60
		PM <sub>2.5</sub> (Including NH <sub>4</sub> Cl)	1.20	3.60
		NH <sub>3</sub>	1.00	1.50
		SO <sub>2</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.10	0.30
		CO	0.08	0.24
		VOC	0.01	0.03
L-1	Loadout Fugitives (6)	PM	0.13	0.22
		PM <sub>10</sub>	0.04	0.07
		PM <sub>2.5</sub>	0.04	0.07

- (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
- 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>, 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

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PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
NH <sub>4</sub> Cl	- ammonium chloride
NH <sub>3</sub>	- anhydrous ammonia
HCl	- hydrogen chloride

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: September 23, 2014