

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. 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)	<u>Emission Rates</u>	
			lb/hr	TPY
FUG-1	Receiving Operations (6) (Truck Offloading, Loading into Hopper, and Partially Enclosed Transfer to Elevator)	PM	5.40	1.35
		PM ₁₀ /PM _{2.5}	1.77	0.44
FUG-2	Transfer Operations (6) (Partially Enclosed Transfer to Augers, Partially Enclosed and Open Transfers to Belts, Partially Enclosed Transfer to Elevators, Partially Enclosed Transfer to Bins, and Hooded Transfers)	PM	0.44	0.74
		PM ₁₀ /PM _{2.5}	0.21	0.35
FUG-3	Delinting Operations (6)	HCl (4)	0.10	0.16
FUG-4	Gravity Table (6)	PM	0.02	0.04
		PM ₁₀ /PM _{2.5}	0.01	0.02
FUG-5	Rework Table (6)	PM	0.02	0.01
		PM ₁₀ /PM _{2.5}	0.01	0.01
FUG-6	Shaker Table (6)	PM	0.11	0.18

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		PM ₁₀ /PM _{2.5}	0.06	0.10
C-2	Dryer Operations (Dryer Cyclone and Dryer Burner)	PM/PM ₁₀ /PM _{2.5} SO ₂ NO _x CO VOC	1.17 <0.01 0.20 0.16 0.01	3.52 <0.01 0.60 0.48 0.03
C-4	Cleaner Cyclone	PM/PM ₁₀ /PM _{2.5}	2.48	7.43
C-6	Treater/Bagger Cyclone	PM/PM ₁₀ /PM _{2.5}	0.39	1.18
C-7	Gravity Table Cyclone	PM/PM ₁₀ /PM _{2.5}	0.21	0.64
C-8	Gravity Table Cyclone	PM/PM ₁₀ /PM _{2.5}	1.03	3.09
C-9	Gravity Table Cyclone	PM/PM ₁₀ /PM _{2.5}	1.58	4.73
F-1	Delinting Operations Bag Filter (Delinting Drum and Delinting Burner)	PM/PM ₁₀ /PM _{2.5} /NH ₄ Cl (5) NH ₃ SO ₂ NO _x CO VOC	0.86 1.00 <0.01 0.10 0.08 0.01	2.57 1.50 <0.01 0.30 0.24 0.03
L-1	Loadout 1	PM PM ₁₀ /PM _{2.5}	0.13 0.04	-- --
L-2	Loadout 2	PM PM ₁₀ /PM _{2.5}	0.13 0.04	-- --
Total L-1 and L-2		PM PM ₁₀ /PM _{2.5}	-- --	0.22 0.07

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - HCl - hydrogen chloride
 - SO₂ - sulfur dioxide
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NH₄Cl - ammonium chloride
 - NH₃ - anhydrous ammonia
- (4) HCl is a hazardous air pollutant.
- (5) PM/PM₁₀/PM_{2.5} emissions for EPN F-1 include particulate matter from products of combustion, but consist primarily of NH₄Cl.
- (6) Fugitive emissions are an estimate only.

Dated August 23, 2010