

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 5071

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)
1	Concrete Bins North Inside Truck Receiving Pit No. 1 (6)	PM	3.57	3.83
		PM <sub>10</sub>	0.53	0.56
		PM <sub>2.5</sub>	0.09	0.09
2	Concrete Bins South Inside Truck Receiving Pit No. 1 (6)	PM	3.57	3.83
		PM <sub>10</sub>	0.53	0.56
		PM <sub>2.5</sub>	0.09	0.09
3	Concrete Bins Outside Truck Receiving Pit No. 2 (6)	PM	2.55	3.83
		PM <sub>10</sub>	0.38	0.56
		PM <sub>2.5</sub>	0.06	0.09
4	Concrete Bins Rail Receiving Pit (6)	PM	0.67	3.83
		PM <sub>10</sub>	0.16	0.56
		PM <sub>2.5</sub>	0.03	0.09
5	Steel Bins Truck Receiving Pit No. 3 (6)	PM	2.55	3.83
		PM <sub>10</sub>	0.38	0.56
		PM <sub>2.5</sub>	0.06	0.09
6	Black Steel Bins Truck Receiving Pit No. 4 (6)	PM	3.57	3.83
		PM <sub>10</sub>	0.53	0.56
		PM <sub>2.5</sub>	0.09	0.09
7	Black Steel Bins Rail Receiving Pit (6)	PM	0.67	3.83
		PM <sub>10</sub>	0.16	0.56
		PM <sub>2.5</sub>	0.03	0.09
8	Portable Belt Conveyor Receiving	PM	0.51	3.83

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		PM <sub>10</sub>	0.08	0.56
		PM <sub>2.5</sub>	0.01	0.09
	Total Receiving Operations (6)	PM	--	3.83
		PM <sub>10</sub>	--	0.56
		PM <sub>2.5</sub>	--	0.09
Dryer 1	Chicago Eastern Grain Dryer	PM	20.00	1.71
		PM <sub>10</sub>	5.15	0.47
		PM <sub>2.5</sub>	1.04	0.13
		VOC	0.14	0.04
		NO <sub>x</sub>	2.62	0.80
		CO	2.36	0.67
		SO <sub>2</sub>	0.02	0.01
Dryer 2	Zimmerman Grain Dryer	PM	31.36	8.35
		PM <sub>10</sub>	8.10	2.17
		PM <sub>2.5</sub>	1.67	0.46
		VOC	0.25	0.07
		NO <sub>x</sub>	4.52	1.35
		CO	3.80	1.13
		SO <sub>2</sub>	0.03	0.01
9	Concrete Bins Inside Truck Loadout Spout (6)	PM	7.74	19.35
		PM <sub>10</sub>	2.61	6.53
		PM <sub>2.5</sub>	0.44	1.10
10	Concrete Bins Outside Truck Loadout Spout (6)	PM	15.48	19.35
		PM <sub>10</sub>	5.22	6.53
		PM <sub>2.5</sub>	0.88	1.10
11	Concrete Bins North Rail Loadout Spout (6)	PM	2.43	19.35
		PM <sub>10</sub>	0.20	6.53
		PM <sub>2.5</sub>	0.03	1.10
12	Concrete Bins South	PM	2.43	19.35

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		PM <sub>10</sub>	0.20	6.53
		PM <sub>2.5</sub>	0.03	1.10
13	Steel Bins North Butler Truck Loadout Spout (6)	PM	30.96	19.35
		PM <sub>10</sub>	10.44	6.53
		PM <sub>2.5</sub>	1.76	1.10
14	Steel Bins Middle Butler Truck Loadout Spout (6)	PM	30.96	19.35
		PM <sub>10</sub>	10.44	6.53
		PM <sub>2.5</sub>	1.76	1.10
15	Steel Bins South Butler Truck Loadout Spout (6)	PM	30.96	19.35
		PM <sub>10</sub>	10.44	6.53
		PM <sub>2.5</sub>	1.76	1.10
16	Black Steel Bins (Bin No. 1 or Bin No. 2) Truck Loadout Spout (6)	PM	30.96	19.35
		PM <sub>10</sub>	10.44	6.53
		PM <sub>2.5</sub>	1.76	1.10
17	Front End Loader Truck Loadout (6)	PM	10.32	19.35
		PM <sub>10</sub>	3.48	6.53
		PM <sub>2.5</sub>	0.59	1.10
18	Grain Vacuum Truck Loadout Spout (6)	PM	15.48	19.35
		PM <sub>10</sub>	5.22	6.53
		PM <sub>2.5</sub>	0.88	1.10
	Total Loadout Operations (6)	PM	--	19.35
		PM <sub>10</sub>	--	6.53
		PM <sub>2.5</sub>	--	1.10

- (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

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PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

(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: April 30, 2015