

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 20564

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 (6) *	
			lbs/hour	TPY
Wood	Material Handling and Stockpiles (4)	PM	8.30	6.14
		PM <sub>10</sub>	3.97	3.03
Aggregate	Material Handling and Stockpiles (4)	PM	16.12	6.44
		PM <sub>10</sub>	6.15	2.97
Iron Ore	Material Handling and Stockpiles (4)	PM	< 0.01	< 0.01
		PM <sub>10</sub>	< 0.01	< 0.01
DC1	Conveyor Transfer Baghouse	PM <sub>10</sub>	0.05	0.23
DC2	Conveyor Transfer Baghouse	PM <sub>10</sub>	0.05	0.23
DC3	Conveyor Transfer Baghouse	PM <sub>10</sub>	0.05	0.23
DC4	Ship Loading Spout Baghouse	PM <sub>10</sub>	0.08	0.35
Soda Ash	Material Handling (4) (5)	PM	1.82	0.67
		PM <sub>10</sub>	0.67	0.34
Potash	Material Handling (4) (5)	PM	0.57	0.29
		PM <sub>10</sub>	0.21	0.11
Ammonium Sulfate	Material Handling (4) (5)	PM	0.57	0.14
		PM <sub>10</sub>	0.14	0.05

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) 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
- (4) Fugitive emissions are an estimate only.
- (5) Includes emissions from the railcar unloading and conveyor fugitives associated with the soda ash/potash/ammonium sulfate handling.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

## Emission Sources - Maximum Allowable Emission Rates

- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule and throughput rates:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

<u>Materials</u>	<u>Inbound Tons/Hour</u>	<u>Outbound Tons/Hour</u>	<u>Tons/Year</u>
Wood chips	800	2,000	1,000,000
Washed aggregate	4,000	1,200	1,000,000
Washed sand and washed gravel	4,000	1,200	1,000,000
Crushed limestone	4,000	1,200	360,000
Iron ore briquettes	4,000	1,200	150,000
Potash or soda ash	1,000	1,000	1,000,000
Ammonium sulfate	1,000	1,000	500,000

Date: March 22, 2013