

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 169602

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 (4)
S-RM1	Silo 100 Baghouse Stack	PM	0.21	0.90
		PM <sub>10</sub>	0.21	0.90
		PM <sub>2.5</sub>	0.03	0.14
S-RM2	Silo 110 Baghouse Stack	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
S-RM3	Silo 120 Baghouse Stack	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
S-RM4	Silo 130 Baghouse Stack	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
S-P300	Silo 300 Baghouse Stack	PM	0.11	0.48
		PM <sub>10</sub>	0.11	0.48
		PM <sub>2.5</sub>	0.02	0.07
S-P400	Silo 400 Baghouse Stack	PM	0.07	0.30
		PM <sub>10</sub>	0.07	0.03
		PM <sub>2.5</sub>	0.01	0.05
S-AUX	Silo Aux Baghouse Stack	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
TRKLD-1	300 Truck Load Baghouse Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01

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S-2B	Silo 2B Baghouse Stack	PM	0.03	0.15
		PM <sub>10</sub>	0.03	0.15
		PM <sub>2.5</sub>	<0.01	0.02
S-CH2	Silo CH2 Baghouse Stack	PM	0.02	0.11
		PM <sub>10</sub>	0.02	0.11
		PM <sub>2.5</sub>	<0.01	0.02
SH-1	Surge Hopper to 1700 Baghouse Stack	PM	0.02	0.11
		PM <sub>10</sub>	0.02	0.11
		PM <sub>2.5</sub>	<0.01	0.02
S-P2	Silo P2 Baghouse Stack	PM	0.07	0.30
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	0.01	0.05
S-P3	Silo P3 Baghouse Stack	PM	0.07	0.30
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	0.01	0.05
S-DSS1	Silo DSS1 Baghouse Stack	PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.01	0.05
S-DSS2	Silo DSS2 Baghouse Stack	PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.01	0.05
SH-2	Surge Hopper to DSS Reactor Baghouse Stack	PM	0.02	0.11
		PM <sub>10</sub>	0.02	0.11
		PM <sub>2.5</sub>	<0.01	0.02
RR-1	FK Receiver Baghouse Stack	PM	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.01	0.06
RR-2	Small Mills Receiver Baghouse Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02

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		PM <sub>2.5</sub>	<0.01	<0.01
SH-3	DSS Bag Hopper Baghouse Stack	PM	0.02	0.11
		PM <sub>10</sub>	0.02	0.11
		PM <sub>2.5</sub>	<0.01	0.02
SH-4	P2 Bag Hopper Baghouse Stack	PM	0.02	0.11
		PM <sub>10</sub>	0.02	0.11
		PM <sub>2.5</sub>	<0.01	0.02
TRKLD-2	P2/P3 Truck Load Baghouse Stack	PM	0.07	0.30
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	0.01	0.04
D-FUG	Material Handling Drop Points (SC-1 to Paddle Belt, Paddle Belt to Screw Hopper, Hand Feed to R&D Mills) (5)	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01

- (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) 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
  - PM<sub>2.5</sub>
    - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: April 12, 2023