

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 50498

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)	Emission Rates *	
			lb/hr	TPY

EMISSION POINTS AND EMISSION RATES AUTHORIZED WHEN NOT HANDLING CEMENT

EP003	Wall Conveyor Hopper (4)	PM	0.08	0.03
		PM ₁₀	0.04	0.01
EP004	Stacker to Wall Belt (4)	PM	0.05	0.02
		PM ₁₀	0.03	0.01
EP005	Stacker Hopper (4)	PM	0.05	0.03
		PM ₁₀	0.02	0.01
EP006	Stacker Transfer (4)	PM	0.11	0.04
		PM ₁₀	0.05	0.02
EP007	Stockpile (4)	PM	0.04	0.19
		PM ₁₀	0.02	0.09
EP008	Tripper (4)	PM	0.11	0.04
		PM ₁₀	0.05	0.02
EP010	Ship Loader (4)	PM	0.06	0.03
		PM ₁₀	0.03	0.01
EP013	Intermediate Conveyor (4)	PM	0.05	0.02
		PM ₁₀	0.03	0.01
EP015	RR Station Hopper (4)	PM	0.09	0.04
		PM ₁₀	0.04	0.02
EP016	Truck Loading (4)	PM	0.08	0.03
		PM ₁₀	0.04	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EP017	Stockpile (4)	PM	0.17	0.73
		PM ₁₀	0.08	0.35
EP0020	Incline Conveyor (4)	PM	0.05	0.02
		PM ₁₀	0.03	0.01
EP021	1,000-ft Conveyor (4)	PM	0.11	0.02
		PM ₁₀	0.05	0.01
EP023	Railcar Conveyor (4)	PM	0.05	0.02
		PM ₁₀	0.03	0.01
EP024	Stockpile (4)	PM	0.57	2.51
		PM ₁₀	0.27	1.19
EP025	1,000-ft ConveyorHopper No. 1 (4)	PM	0.04	0.03
		PM ₁₀	0.02	0.01
EP026	1,000-ft Conveyor Hopper No. 2 (4)	PM	0.05	0.03
		PM ₁₀	0.02	0.01
EP027	Railcar Loading (4)	PM	0.06	0.03
		PM ₁₀	0.03	0.01
EP028	Barite Stockpile (4)	PM	0.43	1.89
		PM ₁₀	0.21	0.90
EP029	Portable Feed Hopper (4)	PM	0.06	0.03
		PM ₁₀	0.03	0.01

EMISSION POINTS AND EMISSION RATES AUTHORIZED WHEN HANDLING CEMENT

DC1-A	Hopper Baghouse	PM/PM ₁₀	0.86	3.75
DC1-B	Hopper Baghouse	PM/PM ₁₀	0.86	3.75
DC2-A	Hopper Baghouse	PM/PM ₁₀	0.86	3.75

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
DC2-B	Hopper Baghouse	PM/PM ₁₀	0.86	3.75
DC-3A	Transfer Point Baghouse	PM/PM ₁₀	0.09	0.38
DC-3B	Transfer Point Baghouse	PM/PM ₁₀	0.09	0.38
DC-4	Transfer Point Baghouse	PM/PM ₁₀	0.43	1.88
DC-5	Transfer Point Baghouse	PM/PM ₁₀	0.17	0.75
DC-6	Bucket Elevator Baghouse	PM/PM ₁₀	0.13	0.56
DC-7	Transfer Point Baghouse	PM/PM ₁₀	0.13	0.56
DC-8	Barge Load Chute Baghouse	PM/PM ₁₀	0.17	0.75
DC-9	Truck Load Baghouse	PM/PM ₁₀	0.10	0.45
DC-10	Rail Load Baghouse	PM/PM ₁₀	0.10	0.45
DC-11	Truck Load Silo Baghouse	PM/PM ₁₀	0.13	0.56
DC-12	Rail Load Silo Baghouse	PM/PM ₁₀	0.13	0.56
DC-13	Bucket Elevator Baghouse	PM/PM ₁₀	0.13	0.56
DC-14	Return Conveyor Baghouse	PM/PM ₁₀	0.17	0.75
DC-15	Warehouse Baghouse	PM/PM ₁₀	0.27	1.20
DC-16	Warehouse Baghouse	PM/PM ₁₀	0.27	1.20
DC-17	Warehouse Baghouse	PM/PM ₁₀	0.27	1.20
DC-18	Warehouse Baghouse	PM/PM ₁₀	0.27	1.20

SODA ASH SERVICE

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
S-DC-1	Conveyor Transfer Baghouse	PM/PM ₁₀	0.21	0.94
S-DC-2	Dump Hopper Baghouse	PM/PM ₁₀	0.86	3.75
S-DC-3	Tripper Baghouse	PM/PM ₁₀	0.21	0.94
S-DC-4	Shiploader Baghouse	PM/PM ₁₀	0.43	1.88
S-DC-5	Cascade Chute Baghouse	PM/PM ₁₀	0.43	1.88
S-DC-6	Conveyor Transfer Baghouse	PM/PM ₁₀	0.21	0.94
STKP01	Stockpile (4)	PM	---	2.01
		PM ₁₀	---	0.95

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rate:

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

Without cement: 19,000 tons/day and 822,000 tons/year (represented materials except cement)

With cement: 822,000 tons/year (represented materials) plus
500,000 tons/year (cement)

Dated_____