

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2801

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<br>Point No. (1) | Source<br>Name (2)                    | Air Contaminant<br>Name (3)         | <u>Emission Rates</u> |       |
|---------------------------|---------------------------------------|-------------------------------------|-----------------------|-------|
|                           |                                       |                                     | lb/hr                 | TPY   |
| E-101                     | Dryer Baghouse Stacks (5)             | PM <sub>10</sub> /PM <sub>2.5</sub> | 1.48                  | 6.49  |
|                           |                                       | NO <sub>x</sub>                     | 2.89                  | 12.62 |
|                           |                                       | SO <sub>2</sub>                     | 0.02                  | 0.09  |
|                           |                                       | CO                                  | 7.76                  | 33.93 |
|                           |                                       | VOC                                 | 0.18                  | 0.78  |
| E-103                     | Dry Bucket Elevator<br>Baghouse Stack | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.17                  | 0.75  |
| E-104W                    | West Bagging Line<br>Baghouse Stack   | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.51                  | 2.25  |
| E-105E                    | East Bagging Line<br>Baghouse Stack   | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.51                  | 2.25  |
| E-111W                    | West Silo No. 1<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.01  |
| E-112W                    | West Silo No. 2<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.01  |
| E-113W                    | West Silo No. 3<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.01  |
| E-114W                    | West Silo No. 4<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.01  |
| E-115W                    | West Silo No. 5<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.02  |
| E-121E                    | East Silo No. 1<br>Baghouse Stack     | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01                  | 0.01  |

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|---------------------------|--|-------------------------------------|------------------|------|
|                           |  |                                     | lb/hr            | TPY  |
| E-122E                    | East Silo No. 2<br>Baghouse Stack              | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.03             | 0.03 |
| E-123E                    | East Silo No. 3<br>Baghouse Stack              | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.01             | 0.01 |
| E-101P                    | Portland Cement Silo<br>Baghouse Stack         | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.03             | 0.03 |
| E-102P                    | Portland Cement Bagger<br>Baghouse Stack       | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.03             | 0.11 |
| FE-PROD-N                 | Building Fugitives-North (4)                   | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.09             | 0.38 |
| FE-PROD-W                 | Building Fugitives-West (4)                    | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.26             | 1.14 |
| FE-PROD-E                 | Building Fugitives-East (4)                    | PM <sub>10</sub> /PM <sub>2.5</sub> | 0.26             | 1.14 |
| FE-107                    | Stockpile Fugitives (4)(6)                     | PM <sub>10</sub> /PM <sub>2.5</sub> | -. -             | 0.06 |
| FE-108                    | Front-End-Loader to<br>Wet Hoppers 1 and 2 (4) | PM <sub>10</sub>                    | 0.06             | 0.26 |
|                           |  | PM <sub>2.5</sub>                   | 0.01             | 0.04 |
| FE-109                    | Wet Hopper 1 to<br>Belt Feeder 1 (4)           | PM <sub>10</sub>                    | 0.03             | 0.13 |
|                           |  | PM <sub>2.5</sub>                   | 0.01             | 0.02 |
| FE-110                    | Wet Hopper 2 to<br>Belt Feeder 2 (4)           | PM <sub>10</sub>                    | 0.03             | 0.13 |
|                           |  | PM <sub>2.5</sub>                   | 0.01             | 0.02 |
| FE-111                    | Belt Feeder 1 and 2 to<br>Belt Conveyor (4)    | PM <sub>10</sub>                    | 0.06             | 0.26 |
|                           |  | PM <sub>2.5</sub>                   | 0.01             | 0.04 |
| FE-112                    | Belt Conveyor to Dryer (4)                     | PM <sub>10</sub>                    | 0.06             | 0.26 |
|                           |  | PM <sub>2.5</sub>                   | 0.01             | 0.04 |
| FE-113                    | Dryer/EPN E-101 to<br>Belt Conveyor (4)(7)     | PM <sub>10</sub>                    | 0.23             | 0.99 |
|                           |  | PM <sub>2.5</sub>                   | 0.03             | 0.15 |
| FE-114                    | Wet Vibrating Screen (4)                       | PM <sub>10</sub>                    | 0.08             | 0.37 |

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|---------------------------|--|-----------------------------|------------------|-------|
|                           |  |                             | lb/hr            | TPY   |
|                           |  | PM <sub>2.5</sub>           | 0.01             | 0.03  |
| FE-115                    | Belt Conveyor to Dry<br>Bucket Elevator (4)(7) | PM <sub>10</sub>            | 0.23             | 0.99  |
|                           |  | PM <sub>2.5</sub>           | 0.03             | 0.15  |
| E-101M                    | Aggregate Bin Fugitives (4)                    | PM <sub>10</sub>            | 0.01             | 0.02  |
|                           |  | PM <sub>2.5</sub>           | <0.01            | <0.01 |
| E-102M                    | Belt Conveyor Fugitives (4)                    | PM <sub>10</sub>            | 0.01             | 0.02  |
|                           |  | PM <sub>2.5</sub>           | <0.01            | <0.01 |
| E-103M                    | Building Fugitives (4)                         | PM <sub>10</sub>            | <0.01            | <0.01 |
|                           |  | PM <sub>2.5</sub>           | <0.01            | <0.01 |
| E-103P                    | Building Fugitives (4)                         | 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<sub>10</sub> - particulate matter less than 10 microns in diameter.  
PM<sub>2.5</sub> - particulate matter less than 2.5 microns in diameter.  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only.
- (5) Two identical dust collectors control emissions from the dryer.
- (6) Based on 0.11 acres of stockpiles.
- (7) Inside a building.

Dated December 20, 2010