

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9490 and PSDTX638

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) | <u>Emission Rates *</u> |              |
|------------------------|------------------------------------|--------------------------|-------------------------|--------------|
|                        |                                    |                          | lb/hr                   | TPY          |
| GEF-11                 | Conveyor Transfer Baghouse         | PM/PM <sub>10</sub>      | 0.27                    | 1.20         |
| GEF-12                 | Bin Vent Baghouse                  | PM/PM <sub>10</sub>      | 0.27                    | 1.20         |
| GEF-13                 | Weigh Feeder Baghouse              | PM/PM <sub>10</sub>      | 1.28                    | 5.61         |
| EEF-11                 | No. 5 Mill Separator Baghouse      | PM/PM <sub>10</sub>      | 4.61                    | 20.20        |
| EEF-12                 | No. 5 Mill Sweep Baghouse          | PM/PM <sub>10</sub>      | 2.01                    | 8.82         |
| EEF-13                 | Cement Conveyor Venting Baghouse   | PM/PM <sub>10</sub>      | 0.30                    | 1.31         |
| EEF-14                 | Cement Conveyor Venting Baghouse   | PM/PM <sub>10</sub>      | 0.30                    | 1.31         |
| KEF-10                 | KE7 Cement Silo Baghouse           | PM/PM <sub>10</sub>      | 0.26                    | 1.13         |
| KEF-11                 | KE6 Cement Silo Baghouse           | PM/PM <sub>10</sub>      | 0.26                    | 1.13         |
| KBH-1                  | Airslide KAS3 Baghouse             | PM/PM <sub>10</sub>      | 0.21                    | 0.94         |
| KBH-8                  | Airslide KAS19 Baghouse            | PM/PM <sub>10</sub>      | 0.12                    | 0.53         |
| KBH-12                 | Rich Mortar Spout Baghouse         | PM/PM <sub>10</sub>      | 0.15                    | 0.68         |
| KBH-13                 | Truck Loading Spout Baghouse       | PM/PM <sub>10</sub>      | 0.15                    | 0.68         |
| KEF-14                 | Cement Silo No. 3 Venting Baghouse | PM<br>PM <sub>10</sub>   | 0.07<br>0.06            | 0.30<br>0.25 |
| KEF-15                 | Cement Silo No. 4 Venting          | PM                       | 0.07                    | 0.30         |

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|---|---------------------------------|-----------------------------|------------------|-------|
|   |                                 |                             | lb/hr            | TPY   |
|   | Baghouse                        | PM <sub>10</sub>            | 0.06             | 0.25  |
| 31EF-1  | Coal Bin No. 1 Baghouse         | PM/PM <sub>10</sub>         | 0.26             | 1.13  |
| 31EF-2  | Coal Bin No. 2 Baghouse         | PM/PM <sub>10</sub>         | 0.26             | 1.13  |
| FCPW-1  | Coal Piles Fugitives (4)        | PM                          | -                | 1.51  |
|   |                                 | PM <sub>10</sub>            | -                | 0.76  |
|   |                                 | PM <sub>2.5</sub>           | -                | 0.12  |
| FCP-1   | Railcar Coal Unloading Drop (4) | PM                          | 0.30             | 0.05  |
|   |                                 | PM <sub>10</sub>            | 0.14             | 0.03  |
| FCP-1b  | Rail hopper Drop to Belt (4)    | PM                          | 0.30             | 0.05  |
|   |                                 | PM <sub>10</sub>            | 0.14             | 0.03  |
| FCP-2   | Belt Transfer Drop (4)          | PM                          | 0.60             | 0.11  |
|   |                                 | PM <sub>10</sub>            | 0.28             | 0.05  |
|   |                                 | PM <sub>2.5</sub>           | 0.04             | 0.01  |
| FCP-5   | Drop to Conveyor Hopper (4)     | PM                          | 0.15             | 0.05  |
|   |                                 | PM <sub>10</sub>            | 0.07             | 0.03  |
| FCP-6   | Hopper Drop to Conveyor (4)     | PM                          | 0.15             | 0.05  |
|   |                                 | PM <sub>10</sub>            | 0.07             | 0.03  |
| FCP-7   | Conveyor Transfer (4)           | PM                          | 0.15             | 0.05  |
|   |                                 | PM <sub>10</sub>            | 0.07             | 0.03  |
| <b><u>Permit By Rule Registration No. 28447</u></b> |                                 |                             |                  |       |
| EEF-1   | Air Separator Baghouse          | PM/PM <sub>10</sub>         | 3.09             | 13.52 |
|   |                                 | PM <sub>2.5</sub>           | 1.22             | 5.33  |
| EEF-2   | No. 2 Separator Baghouse        | PM/PM <sub>10</sub>         | 3.09             | 13.52 |
|   |                                 | PM <sub>2.5</sub>           | 1.22             | 5.33  |

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|------------------------|----------------------------|--------------------------|------------------|-------|
|                        |                            |                          | lb/hr            | TPY   |
| EEF-5                  | No. 3 Finish Mill Baghouse | PM/PM <sub>10</sub>      | 3.09             | 13.52 |
|                        |                            | PM <sub>2.5</sub>        | 1.22             | 5.33  |
| EEF-6                  | No. 3 Separator Baghouse   | PM/PM <sub>10</sub>      | 1.29             | 5.63  |
|                        |                            | PM <sub>2.5</sub>        | 0.51             | 2.22  |

**Permit By Rule Regristration No. 78543**

|       |                                      |                     |      |      |
|-------|--------------------------------------|---------------------|------|------|
| KBH-9 | Bucket Elevator Silo No. 10 Baghouse | PM/PM <sub>10</sub> | 0.21 | 0.41 |
|-------|--------------------------------------|---------------------|------|------|

**Permit By Rule Registration No. 84548**

|         |                          |                  |   |      |
|---------|--------------------------|------------------|---|------|
| FCLSP-3 | Clinker Storage Pile (4) | PM               | - | 1.18 |
|         |                          | PM <sub>10</sub> | - | 0.59 |

**Permit By Rule Registration No. 91487**

|      |                                    |                  |      |      |
|------|------------------------------------|------------------|------|------|
| FCPT | Coal/Coke Truck Unloading (4) Drop | PM               | 1.00 | 0.06 |
|      |                                    | PM <sub>10</sub> | 0.47 | 0.03 |

**Standard Exemption No. 84**

|       |                             |                     |      |      |
|-------|-----------------------------|---------------------|------|------|
| KEF-9 | Silo No. 11 and 12 Baghouse | PM/PM <sub>10</sub> | 0.23 | 1.01 |
|-------|-----------------------------|---------------------|------|------|

**Standard Exemption No. 124**

|       |   |                     |      |      |
|-------|---|---------------------|------|------|
| GEF-3 | Clinker Belt Transfer Baghouse          | PM/PM <sub>10</sub> | 0.51 | 2.25 |
| EEF-3 | Raw Mill No. 1 Baghouse                 | PM/PM <sub>10</sub> | 1.03 | 4.51 |
| EEF-4 | No. 2 Finish Mill Baghouse              | PM/PM <sub>10</sub> | 1.03 | 4.51 |
| KEF-3 | Packer No. 2 Overflow Elevator Baghouse | PM/PM <sub>10</sub> | 1.03 | 4.51 |
| KEF-4 | Packer No. 1 Overflow Elevator Baghouse | PM/PM <sub>10</sub> | 1.03 | 4.51 |

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|---------------------------|--|-----------------------------|------------------|------|
|                           |  |                             | lb/hr            | TPY  |
| KEF-5                     | Packer No. 1 Feed<br>Elevator Baghouse | PM/PM <sub>10</sub>         | 0.77             | 3.38 |
| KEF-6                     | Packer No. 2 Feed<br>Elevator Baghouse | PM/PM <sub>10</sub>         | 0.34             | 1.50 |
| KEF-7                     | Truck Loadout Baghouse                 | PM/PM <sub>10</sub>         | 0.51             | 2.25 |

- (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 - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
 PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- (4) Fugitive emissions are an estimate only.

Dated March 14, 2011