

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7084

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**
BL1-1	Blend Facility Unloading Hopper (4 and 5)	PM	0.07	Note 5
		PM <sub>10</sub>	0.02	Note 5
L-1A	South Unloading Hopper (4 and 5)	PM	0.04	Note 5
		PM <sub>10</sub>	0.01	Note 5
L-1	Central Unloading Hopper (4 and 5)	PM	0.05	Note 5
		PM <sub>10</sub>	0.02	Note 5
BL1-2	Underground Drop from Blend Unloading Hopper to Crusher (4 and 6)	PM	<0.01	Note 6
		PM <sub>10</sub>	<0.01	Note 6
L-1T	Central Unloading Hopper Drop (4 and 6)	PM	<0.01	Note 6
		PM <sub>10</sub>	<0.01	Note 6
BL1-2	Underground Blend Facility Crusher (4 and 7)	PM	0.12	Note 7
		PM <sub>10</sub>	0.04	Note 7
F16B1	South Crusher (4 and 7)	PM	0.19	Note 7
		PM <sub>10</sub>	0.06	Note 7
L-2	Central Crusher (4 and 7)	PM	0.23	Note 7
		PM <sub>10</sub>	0.07	Note 7
BL1-2	Underground Portion of 60-in Conveyor/Transfer (4)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
BL1-3	Above-Ground Portion of 60-in Conveyor/Transfer (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01

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BL1-3T	Transfer from 60-in Conveyor/ Transfer to Radial Stacker (4)	PM	0.03	0.07
		PM <sub>10</sub>	0.01	0.02
BL1-4W	Radial Stacking Conveyor West Position (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
BL1-4E	Radial Stacking Conveyor East Position (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
BL1-5	Blend Facility West Storage (4)	PM	--	2.25
		PM <sub>10</sub>	--	0.68
BL2-5	Blend Facility East Storage (4)	PM	--	2.25
		PM <sub>10</sub>	--	0.68
BL-RC1W	Underground West Storage Pile Transfer Loadout/Reclaim Conveyors/Transfer (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.02
BL-RC1E	Underground East Storage Pile Transfer Loadout/Reclaim Conveyors/Transfer (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.02
BL-RC2W	Above-Ground Portion of West Reclaim Conveyor (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
BL-RC2E	Above-Ground Portion of East Reclaim Conveyor (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
BL-12T	Transfer from Reclaim Conveyor to 12-Mile Three Oaks Conveyor (4)	PM	0.03	0.07
		PM <sub>10</sub>	0.01	0.02
TOCONV-1	12-Mile Three Oaks Conveyor (4)	PM	0.08	0.24
		PM <sub>10</sub>	0.02	0.07
TOCONV-BD	12-Mile Three Oaks Conveyor Booster Drive Transfer (4)	PM	0.03	0.07
		PM <sub>10</sub>	0.01	0.02
TOCONV-1T	Transfer from 12-Mile Three Oaks Conveyor to F10 Conveyor (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.02

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SCONV-10 and SCONV-10T	Conveyor Flight No. 10 and Transfer to F09 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-9 and SCONV-9T	Conveyor Flight No. 9 and Transfer to F08 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-8 and SCONV-8T	Conveyor Flight No. 8 and Transfer to F07 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.09 <0.03
SCONV-7 and SCONV-7T	Conveyor Flight No. 7 and Transfer to F06 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-6 and SCONV-6T	Conveyor Flight No. 6 and Transfer to F05 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-5 and SCONV-5T	Conveyor Flight No. 5 and Transfer to F04 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-4 and SCONV-4T	Conveyor Flight No. 4 and Transfer to F03 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-3 and SCONV-3T	Conveyor Flight No. 3 and Transfer to F02 (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.08 <0.03
SCONV-2 and SCONV-2T	Conveyor Flight No. 2 and Transfer to F01 or Central Stackout Conveyor (4)	PM PM <sub>10</sub>	<0.03 <0.01	0.07 0.02
SC-CONV and SC-CONVT	South Crusher Discharge Conveyor and Transfer to F10 Conveyor (4)	PM PM <sub>10</sub>	<0.02 <0.01	0.06 <0.02
CC-CONV	Central Crusher Feed Conveyor (4)	PM PM <sub>10</sub>	<0.01 <0.01	<0.01 <0.01
F16B5	Flight Conveyor No. 1 (4)	PM PM <sub>10</sub>	<0.01 <0.01	<0.01 <0.01
LS2	Analyzer No. 2 (4)	PM PM <sub>10</sub>	<0.01 <0.01	<0.01 <0.01
L-3	Flight Conveyor No. 1 and	PM	<0.01	0.02

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	Transfer to Transfer Tower No. 1 (4)	PM <sub>10</sub>	<0.01	<0.01
CC-STKCVRF	Central Stacking Conveyor Fugitives (4)	PM	0.17	0.64
		PM <sub>10</sub>	0.03	0.12
CC-STKPLF	Central Stackout Pile Fugitives (4)	PM	0.14	0.61
		PM <sub>10</sub>	0.03	0.12
CC-STRPLF	Central Storage Pile Fugitives (4)	PM	1.40	6.14
		PM <sub>10</sub>	0.27	1.17

**The following are included for Reference only:**

	Lignite Screen No. 1 (8)	PM <sub>10</sub>	0.04	0.19
		SiO <sub>2</sub>	<0.01	0.01
	Flight Conveyor No. 1 (9)	PM	0.10	0.64
		PM <sub>10</sub>	0.02	0.12
L-2 and SCONV- 2T	Transfer from Central Crusher and Conveyor Flight No. 2 to Flight Conveyor No. 1 (10)	PM	0.10	0.19
		PM <sub>10</sub>	0.02	0.04
F16B5	Flight Conveyor No. 1 (Conveying Only) (10)	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
L-3	Transfer from Flight Conveyor No. 1 to Transfer Tower No. 1 (10)	PM	0.10	0.19
		PM <sub>10</sub>	0.02	0.04
	Blend Facility Lignite Samplers 1 and 2 (11)	PM <sub>10</sub>	<0.01	0.02
		SiO <sub>2</sub>	<0.01	<0.01

- (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 an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>

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PM<sub>10</sub> - particulate matter 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 in diameter is emitted.

SiO<sub>2</sub> - crystalline silicate.

(4) Fugitive emissions are an estimate only.

(5) The total annual PM and PM<sub>10</sub> emissions from Emission Point Nos. (EPNs) BL1-1, L-1A, and L-1 combined shall not exceed 0.15 tons per year (tpy) of PM and 0.05 tpy of PM<sub>10</sub>.

(6) The total annual PM and PM<sub>10</sub> emissions from EPNs BL1-2 and L-1T combined shall not exceed 0.02 tpy of PM and 0.006 tpy of PM<sub>10</sub>.

(7) The total annual PM and PM<sub>10</sub> emissions from EPNs BL1-2, F16B1, and L-2 combined shall not exceed 0.70 tpy of PM and 0.21 tpy of PM<sub>10</sub>.

(8) Permit by Rule (PBR) Registration Number 86358, effective October 22, 2008.

(9) The PBR Registration Number 87627, effective March 20, 2009.

(10) Standard Permit (SP) Registration Number 87630, effective March 20, 2009.

(11) The PBR Registration Number 88512, effective June 17, 2009.

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

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

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Maximum Throughput Rates:

**HOPPERS**

Blend Facility Unloading Hopper (EPN BL1-1): 2,000 TPH

South Unloading Hopper (EPN L-1A): 1,200 TPH

Central Unloading Hopper (EPN L-1): 1,500 TPH

Combined Total for all Hoppers: 9,000,000 TPY

**CRUSHERS**

Underground Blend Facility Crusher (EPN BL1-2): 2,000 TPH

South Crusher (EPN F16B1): 1,200 TPH

Central Crusher (EPN L-2): 1,500 TPH

Combined Total for all Crushers: 9,000,000 TPY

**CONVEYORS**

12-Mile Three Oaks Conveyor (EPNs<sup>Φ</sup>): 1,500 TPH 9,000,000 TPY

South Conveyor (EPNs<sup>Ψ</sup>): 1,500 TPH 9,000,000 TPY

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<sup>Φ</sup>TOCONV-1 and TOCONV-BD

<sup>Ψ</sup>SCONV-10, SCONV-10T, SCONV-9, SCONV-9T, SCONV-8, SCONV-8T, SCONV-7, SCONV-7T,  
SCONV-6, SCONV-6T, SCONV-5, SCONV-5T, SCONV-4, SCONV-4T, SCONV-3, SCONV-3T,  
SCONV-2, and SCONV-2T

Dated August 24, 2009