

Facility ID: 0684000215 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0684000215 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
  - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
  - (a) None.

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Coal Crushing Operation Controlled with a Baghouse  (including coal transfer from crusher feed conveyor to crusher and coal transfer from crusher to plant feed conveyor)	OAC rule 3745-31-05(A)(3) PTI # 06-06926 issued September 12, 2002          OAC rule 3745-17-07(A) OAC rule 3745-17-08 (B) OAC rule 3745-17-11(B)(1) 40 CFR Part 60 Subpart Y	Particulate emissions (PE) from the baghouse stack shall not exceed 1.2 tons/yr.  PM10 emissions from the baghouse stack shall not exceed 1.2 tons/yr.  The fabric filter shall achieve an outlet emission rate of not greater than 0.010 grain of particulate emissions per dry standard cubic foot of exhaust gases.  Visible particulate emissions from the baghouse stack shall not exceed 5% opacity as a 3-minute average.  Visible fugitive particulate emissions from the crusher enclosure building shall not exceed 5% opacity as a 3-minute average.  The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) The specific operations that are covered by this permit and subject to OAC rule 3745-31-05(A)(3), OAC rule 3745-17-07(A), OAC rule 3745-17-08(B), OAC rule 3745-17-11(B)(1), and 40 CFR Part 60 Subpart Y are listed below:

Coal Crushing  
Coal Transfer from Crusher Feed Conveyor to Crusher  
Coal Transfer from Crusher to Plant Feed Conveyor  
The permittee shall employ best available control measures on the Crushing Operation for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to install and maintain a building enclosure to capture fugitive particulate emissions and vent emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.  
Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.  
The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

**B. Operational Restrictions**

1. The permittee shall maintain the baghouse control whenever this emissions unit is in operation.

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall perform daily inspections when the coal crushing operations, named in this emissions unit, are in process and when weather conditions allow, for any visible particulate emissions from the baghouse exhaust stack and for any visible fugitive particulate emissions from the building enclosure egress points (i.e., building windows, doors, roof monitors, etc.). The presence or absence of any visible emissions shall be noted in an operations log. At a minimum, the log shall maintain a record of the date of each inspection and/or the reason why the inspection was not completed at the frequency required in this permit (daily or adjusted per the following section). If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.
2. The permittee may, upon receipt of written approval from the Ohio EPA Southeast District Office, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

**D. Reporting Requirements**

1. The permittee shall submit semiannual written reports which:
  - a. identify all days during which any visible particulate emissions not representative of normal operations were observed from the baghouse exhaust stack for this emissions unit;
  - b. identify all days during which any visible fugitive particulate emissions not representative of normal operations were observed from the building enclosure egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit;
  - c. describe any corrective actions taken to eliminate the visible particulate emissions;
  - d. identify any days in which an inspection was not conducted as required by this permit; and
  - e. identify any days in which the baghouse was not maintained and/or the emissions unit was not vented to the baghouse while in operation.

These reports shall be submitted to the Ohio EPA Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period. If no visible emissions are observed during a given period, the permittee shall submit a report which states that no visible emissions were observed during that period. (These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)
2. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
  - a. construction date (no later than 30 days after such date);
  - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
  - c. actual start-up date (within 15 days after such date); and
  - d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P. O. Box 163669  
Columbus, Ohio 43216-3669

and

Southeast District Office of the Ohio EPA  
Division of Air Pollution Control  
2195 Front Street  
Logan, Ohio 43138

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 

Emission Limitation:  
The fabric filter shall achieve an outlet emission rate of not greater than 0.010 grain of particulate emissions per dry standard cubic foot of exhaust gases.

Applicable Compliance Method:  
If required, the permittee shall demonstrate compliance with the mass emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

Emission Limitation:  
PE from the baghouse stack shall not exceed 1.2 tons/yr.  
PM10 emissions from the baghouse stack shall not exceed 1.2 tons/yr.

**Compliance Determination:**

Compliance with the tons/yr emission limitations shall be demonstrated by the following one time calculation based on the baghouse design outlet grain loading and maximum flow rate. Based on the design of the baghouse serving the emissions unit, all particulate emissions from the baghouse stack are assumed to be PM10.

$0.010 \text{ gr/dscf} \times 3,000 \text{ dscfm} \times 60 \text{ minutes/hr} \times 1 \text{ lb/7000 gr} = 0.26 \text{ lb/hr} \times 8760 \text{ hrs/yr} \times 0.0005 \text{ ton/lb} = 1.13 \text{ tons/yr PE} = 1.13 \text{ tons/yr PM10}$

**Emission Limitation:**

Visible particulate emissions from the baghouse stack shall not exceed 5% opacity as a 3-minute average.

**Applicable Compliance Method:**

Compliance with the above visible emission limitation shall be based upon the monitoring / recordkeeping requirements outlined in Section C.1. above. If required compliance shall be demonstrated based upon the visible particulate emission observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

**Emission Limitation:**

Visible fugitive particulate emissions from the crusher enclosure building shall not exceed 5% opacity as a 3-minute average.

**Compliance Method:**

Compliance shall be based upon the monitoring / recordkeeping requirements outlined in Section C.1. above. If required compliance with the visible emission limitation identified above shall be demonstrated based upon the visible particulate emission observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

1. None