

Facility ID: 0210000106 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.

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Facility ID: 0210000106 Emissions Unit ID: F001 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>
paved roadways, unpaved roadways and parking areas	OAC rule 3745-31-05 See section F.1.	See section A.2.a. and A.2.b.
	OAC rule 3745-17-07(B)(4) See section F.1.	See section A.2.c.
	OAC rule 3745-17-07(B)(5) See section F.1.	See section A.2.c.
	OAC rule 3745-17-08(B) See section F.1.	See section A.2.c.

2. Additional Terms and Conditions

- (a)
 - i. There shall be no visible particulate emissions from any unpaved roadways or parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.
 - ii. There shall be no visible particulate emissions from any paved roadway except for a period of time not to exceed 1 minute during any 60-minute observation period.
 - iii. The particulate emissions from this emissions unit shall not exceed 0.434 ton per year (TPY).
 - i. The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. Water shall be used as the dust suppressant, and the following equipment shall be used for the periodic applications: Water Truck. The dust suppressant shall be applied to the unpaved surfaces, on a daily basis. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
 - ii. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.
 - iii. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
 - iv. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.
 - v. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The following equipment shall be used to sweep the roadways and parking areas: Sweeper and/or rotating broom with water spray. The paved surfaces shall be swept on a daily basis. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
 - vi. The number of vehicles transferring construction and demolition (C & D) material entering the facility shall not exceed 9,125. If this annual limit is planned to be exceeded, then a Permit to Install must be obtained in accordance with OAC chapter 3745-31 before such levels are actually undertaken.

vii. All vehicles hauling C & D material shall be closed, covered, or tarped coming to or leaving the facility in order to minimize or eliminate fugitive dust and to eliminate load loss.
The limit/control measures/requirements based on this rule is/are less stringent than the limit/control measures/requirements established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. Daily records shall be maintained in a bound notebook which include the following information for the unpaved roadways and parking areas:
 - i. The date dust suppressants were applied to the unpaved surfaces.
 - ii. The portions of unpaved surfaces that were treated with dust suppressants.
 - iii. The application rate of water and any chemical additives (gallons of each per square yard).
 - iv. The name of the equipment operator responsible for the application of the dust suppressants.
 Daily records shall be maintained in a bound notebook which include the following information for the paved roadways and parking areas:
 - i. The date the paved surfaces were swept.
 - ii. The portions of the paved surfaces that were swept.
 - iii. The name of the equipment operator responsible for the sweeping.
 Daily records shall be maintained in a bound notebook of the number of vehicles entering or leaving the facility and which transfer C & D material.

D. Reporting Requirements

1. An annual report of the number of motor vehicles used to transfer C & D material which enters or leaves the facility shall be submitted to the Ohio EPA, by February 15th of the following year.

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 limitations:

No visible emissions from unpaved roadways and parking areas for a period of time not to exceed three minutes during any 60-minute observation period.

No visible emissions from paved roadways and parking areas for a period of time not to exceed one minutes during any 60-minute observation period.

Applicable compliance method:

OAC rule 3745-17-03(B)4.

Emission limitation:

0.434 TPY of particulate emissions

Applicable compliance method:

Total Yearly Particulate Emissions from Paved and Unpaved Roadways = Emissions from Paved Roadways + Emissions from Unpaved Roadways

 - i. Emissions from Paved Roadways
Multiply the particulate emission factor of 0.027 pound per vehicle mile traveled by the maximum miles traveled.
 - ii. Emissions from Unpaved Roadways
Multiply the particulate emission factor of 1.27 pounds per vehicle mile traveled by the maximum miles traveled.

The emissions factors were calculated based on RACM section 2.1.1. information.

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 17-1338, as issued on June 28, 1995: A, C, D, and E.

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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>
portable construction demolition debris & coal transfer from rail car to truck and coal storage pile.	OAC rule 3745-31-05 See section F.1.	See section A.2.a. and A.2.b.
	OAC rule 3745-17-07(B)(6) See section F.1.	See section A.2.c.

2. Additional Terms and Conditions

- (a)
 - i. The visible particulate emissions shall not exceed 10% opacity as a 6-minute average.
 - ii. The particulate matter emitting from this emissions unit shall not exceed 1.89 tons per year (TPY).
 - i. The permittee shall only handle coal and construction and demolition (C&D) materials as defined in Ohio Revised Code Section 3714.01(A). The permittee shall not accept any shredded material.
 - ii. If any material has the capacity to generate fugitive dust, it shall be watered prior to unloading and if necessary during the actual unloading. Sufficient amounts of water shall be applied to the material to ensure that visible particulate emissions from any fugitive dust source shall not exceed 10% opacity as a 6-minute average. There shall be an installed water tank and an installed water spray system, available at all times that coal and C&D debris is handled.
 - iii. The unloading of the rail cars shall be limited to unloading by methods in which the material does not come into contact with the ground. Unloading by crane clamshell and by front- end loader on rail cars in which one of the narrow sides of the rail car can be easily opened are acceptable methods of unloading under this definition. Any other method of unloading the rail cars must be approved by the Ohio EPA, DAPC prior to using such a method and a Permit to Install application may need to be filed prior to the use of such a method.
 - iv. No more than 500,000 tons of demolition debris and no more than 15,000 tons of coal shall be handled in any calendar year; however, for compliance purposes, the amount of material may be tracked on a volume basis instead of the weight. Based on an assumed density of 1,000 lbs per cubic yard of railroad C&D debris, no more than 1,000,000 cubic yards of railroad C&D debris shall be handled in any calendar year.
 - v. The permittee shall handle no hazardous waste.
 - vi. The permittee shall not dispose of or handle asbestos or asbestos-containing materials or products unless specifically authorized to do so by the Director pursuant to Section 3714.02(D) of the Ohio revised Code (ORC) and Section 3704.03(F) of the ORC. The receipt of any of the above materials without prior approval of the Ohio EPA is a violation of the Ohio EPA permit to install (Chapter 31) and Asbestos control (Chapter 20) rules and the federal NESHAPS.
 - vii. The number of vehicles transferring C & D material entering the facility shall not exceed 9,125. If this annual limit is planned to be exceeded, then a Permit to Install must be obtained in accordance with OAC 3745-31 before such levels are actually reached.
 - viii. All vehicles hauling C & D materials shall be closed, covered, or tarped coming to or leaving the facility in order to minimize or eliminate fugitive dust and to eliminate load loss.
The limitations/control measures/requirements based on this rule is/are less stringent than the limitations/control measures/requirements established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

1. Daily records shall be maintained in a bound notebook of the volume of C&D debris handled.
2. Daily records shall be maintained in a bound notebook of the number of vehicles entering or leaving the facility and which transfer C & D material.

D. Reporting Requirements

1. An annual report of the number of motor vehicles entering or leaving the facility and which transfer C & D material shall be submitted to the Ohio EPA, by February 15th of the following year.

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):

The permittee shall demonstrate compliance with the visible particulate emission limitation of 10% opacity as a 6-minute average, in accordance with the test method and procedures specified in OAC 3745-17-03(B)1.

Emission limitation:

1.89 TPY of particulate emissions

Applicable compliance method:

Total Yearly Particulate Emissions from Portable Construction & Demolition Debris and Coal Transfer from Rail Car to Truck and Coal Storage Pile = Emissions from Unloading Rail Car + Emissions from Loading onto Pile + Emissions from Loading Trucks + Emissions from Vehicular Traffic + Emissions from Loading Out + Emissions from Wind Erosion

- i. Emissions from Unloading Rail Car
Multiply the particulate emission factor of 0.4 pound per ton by the maximum amount of material unloaded.
- ii. Emissions from Loading onto Pile
Multiply the particulate emission factor of 0.08 pound per ton by the maximum amount of material loaded.
- iii. Emissions from Loading Trucks
Multiply the particulate emission factor of 0.02 pound per ton by the maximum amount of material loaded.
- iv. Emissions from Vehicular Traffic
Multiply the particulate emission factor of 0.16 pound per ton by the maximum amount stored.
- v. Emissions from Loading Out
Multiply the particulate emission factor of 0.10 pound per ton by the maximum amount of material loaded.
- vi. Emissions from Wind Erosion
Multiply the particulate emission factor of 0.09 pound per ton by the maximum amount stored.

The emissions factors were obtained from RACM, table 2.19-2.

F. Miscellaneous Requirements

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permits to install number 17-1338 and 17-1411, as issued on June 28, 1995 and March 6, 1996, respectively, and permit to install number 17-1411, as modified on May 1, 1996: A, C, D, and E.

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Facility ID: 0210000106 Emissions Unit ID: F003 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 storage pile activities	OAC rule 3745-31-05 See section F.1.	See section A.2.a. and A.2.b.
	OAC rule 3745-17-08(B) See section F.1.	See section A.2.c.
	OAC rule 3745-17-07(B)(6) See section F.1.	See section A.2.c.

2. **Additional Terms and Conditions**

- (a)
 - i. Particulate matter emissions from this emissions unit shall not exceed 0.21 ton per year (TPY).
 - ii. There shall be no visible particulate emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.
 - i. The coal storage pile shall contain sufficient moisture to minimize or eliminate visible emissions.
 - ii. During the unloading onto or removal from the coal storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust. The limitations/control measures/requirements based on this rule is/are less stringent than the limitations/control measures/requirements established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

None

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. None

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):

The permittee shall demonstrate compliance with the visible particulate emission limitation of one minute of visible particulate emissions in any 60-minute observation period in accordance with the test method and procedures in OAC 3745-17-03(B)4.

Emission limitation:

0.21 TPY of particulate emissions

Applicable compliance method:

Total Yearly Particulate Emissions from Coal Storage Pile Activity = Emissions from Loading onto Pile + Emissions from Vehicular Traffic + Emissions from Loading Out + Emissions from Wind Erosion

i. Emissions from Loading onto Pile
Multiply the particulate emission factor of 0.08 pound per ton by the maximum amount of material loaded.

ii. Emissions from Vehicular Traffic
Multiply the particulate emission factor of 0.16 pound per ton by the maximum amount stored.

iii. Emissions from Loading Out
Multiply the particulate emission factor of 0.10 pound per ton by the maximum amount of material loaded.

iv. Emissions from Wind Erosion
Multiply the particulate emission factor of 0.09 pound per ton by the maximum amount stored.

The emissions factors were obtained from RACM, table 2.19-2.

F. Miscellaneous Requirements

- 1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install number 17-1411, as issued on March 6, 1996 and modified on May 1, 1996: A and E.