

Facility ID: 1677000570 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.

- [Go to Part II for Emissions Unit F001](#)
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Facility ID: 1677000570 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>
Roadways and parking areas at Lime Lake # 3	OAC rule 3745-31-05 See F.1 below.	46.7 tpy of particulate matter See A.2.a and A.2.b below.
	OAC rule 3745-17-07 See F.1 below.	See A.2.c below.
	OAC rule 3745-17-08 See F.1 below.	See B below.

**2. Additional Terms and Conditions**

- (a) There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 1 minute during any 60-minute observation period.  
There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period.  
The fugitive particulate emission limitations required by OAC rule 3745-17-07(B)(4) and (B)(5) are less stringent than the fugitive particulate emission limitations required by the Best Available Technology determination.

**B. Operational Restrictions**

1. 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: push brooms and shovels. The paved surfaces shall be swept, at a minimum, every other day. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
2. 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: a 5000 gallon tanker truck with slotted pipe and a sprinkler system. The dust suppressant shall be applied to the unpaved surfaces, at a minimum, every workday, as needed. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
3. 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.
4. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property.
5. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

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

1. The permittee shall maintain records which include the following information for the paved roadways and parking areas:

- a. the date the paved surfaces were swept;
  - b. the portions of the paved surfaces that were swept; and
  - c. the name of the equipment operator responsible for the sweeping.
2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
- a. the date dust suppressants were applied to the unpaved surfaces;
  - b. the portions of unpaved surfaces that were treated with dust suppressants;
  - c. the application rate of water and any chemical additives (gallons of each per square yard); and
  - d. the name of the equipment operator responsible for the application of the dust suppressants.

**D. Reporting Requirements**

- 1. None

**E. Testing Requirements**

- 1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:  
Emission Limitation:  
  
46.7 tpy of particulate matter  
  
Applicable Compliance Method:  
  
Multiply the particulate emission factor of 1.68 pounds of particulate emissions per industrial light duty vehicle miles travelled, and 19.41 pounds of particulate emissions per industrial medium and heavy duty vehicle miles travelled by the actual annual vehicle miles travelled in each category.  
  
The particulate emission factor was calculated from AP-42, Figure 11.2.2-1.  
Emission Limitation:  
  
no visible particulate emissions  
  
Applicable Compliance Method:

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

**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 16-1549, as issued on July 24, 1996: A, B, C, and E.

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**Facility ID: 1677000570 Emissions Unit ID: F002 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>
Material handling and storage piles, mixing and wind erosion	OAC rule 3745-31-05 See F.1 below.	6.1 tpy of particulate matter See A.2.a below.

OAC rule 3745-17-07 See A.2.b below.  
See F.1 below.

OAC rule 3745-17-08 See A.2.c below.  
See F.1 below.

2. **Additional Terms and Conditions**

- (a) There shall be no visible particulate emissions from any material handling or storage pile except for a period of time not to exceed 1 minute during any 60-minute observation period.  
The fugitive particulate emission limitation required by OAC rule 3745-17-07(B)(6) is less stringent than the fugitive particulate emission limitation required by the Best Available Technology determination.  
The permittee shall take reasonably available control measures to prevent fugitive dust from becoming airborne through the periodic application of water on the material handling and storage piles.

B. **Operational Restrictions**

1. None

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

1. The permittee shall maintain records which include the following information for the material handling and storage piles:
- the date dust suppressants were applied to the storage piles;
  - the portions of storage piles that were treated with dust suppressants;
  - the application rate of water and any chemical additives (gallons of each per square yard); and
  - the name of the equipment operator responsible for the application of the dust suppressants.

D. **Reporting Requirements**

1. None

E. **Testing Requirements**

1. Compliance with the emission limitations in Sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

6.1 tpy of particulate matter

Applicable Compliance Method:

Total Emissions = Material Handling + Wind Erosion

i. Material Handling + Wind Erosion:

Multiply the particle emission factor for each month by the maximum work area of 25 acres/month and then correct for the percentage of wet days in that month.

January: 133.24 g/m<sup>2</sup>

February: 121.28 g/m<sup>2</sup>

March: 133.24 g/m<sup>2</sup>

April: 158.55 g/m<sup>2</sup>

May: 109.78 g/m<sup>2</sup>

June: 98.75 g/m<sup>2</sup>

ii. Material Handling:

Multiply the particulate emission factor of 5.85E-05 lb/ton by the maximum mass of material handled in that period.

All emission factors were provided by the permittee in the permit application.

Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

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

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 16-1549, as issued on July 24, 1996: A, C and E.

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Facility ID: 1677000570 Emissions Unit ID: F005 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>
Roadways and parking areas at Lime Lake # 1	OAC 3745-17-07	See A.2.a and A.2.b below.
	OAC 3745-17-08	

**2. Additional Terms and Conditions**

- (a) There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 6 minutes during any 60-minute observation period.  
There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 13 minutes during any 60-minute observation period.

**B. Operational Restrictions**

1. 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: push brooms and shovels. The paved surfaces shall be swept, at a minimum, every other day. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
2. 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: a 5000 gallon tanker truck with slotted pipe and a sprinkler system. The dust suppressant shall be applied to the unpaved surfaces, at a minimum, every workday, as needed. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
3. 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.
4. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property.
5. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

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

1. The permittee shall maintain records which include the following information for the paved roadways and parking areas:
  - a. the date the paved surfaces were swept;
  - b. the portions of the paved surfaces that were swept; and
  - c. the name of the equipment operator responsible for the sweeping.
2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
  - a. the date dust suppressants were applied to the unpaved surfaces;
  - b. the portions of unpaved surfaces that were treated with dust suppressants;
  - c. the application rate of water and any chemical additives (gallons of each per square yard); and
  - d. the name of the equipment operator responsible for the application of the dust suppressants.

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.2 of these terms and conditions shall be determined in accordance with the following method:  
Emission Limitation:  
no visible particulate emissions  
  
Applicable Compliance Method:

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

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1677000570 Emissions Unit ID: F006 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>
Roadways and parking areas at Lime Lake # 2	OAC 3745-17-07	See A.2.a and A.2.b below.
	OAC 3745-17-08	

**2. Additional Terms and Conditions**

- (a) There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 6 minutes during any 60-minute observation period.  
There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 13 minutes during any 60-minute observation period.

**B. Operational Restrictions**

- 1. 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: push brooms and shovels. The paved surfaces shall be swept, at a minimum, every other day. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
- 2. 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: a 5000 gallon tanker truck with slotted pipe and a sprinkler system. The dust suppressant shall be applied to the unpaved surfaces, at a minimum, every workday, as needed. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
- 3. 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.
- 4. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property.
- 5. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

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

- 1. The permittee shall maintain records which include the following information for the paved roadways and parking areas:
  - a. the date the paved surfaces were swept;
  - b. the portions of the paved surfaces that were swept; and
  - c. the name of the equipment operator responsible for the sweeping.
- 2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
  - a. the date dust suppressants were applied to the unpaved surfaces;

- b. the portions of unpaved surfaces that were treated with dust suppressants;
- c. the application rate of water and any chemical additives (gallons of each per square yard); and
- d. the name of the equipment operator responsible for the application of the dust suppressants.

D. **Reporting Requirements**

- 1. None

E. **Testing Requirements**

- 1. Compliance with the emission limitations in Section A.2 of these terms and conditions shall be determined in accordance with the following method:  
Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

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

F. **Miscellaneous Requirements**

- 1. None