

Facility ID: 0372000081 Issuance type: Title V Proposed Permit

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 III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

#4 fuel oil storage tank (Z001);
#2 fuel oil storage tank (Z002);
miscellaneous maintenance activities (Z003); and
miscellaneous laboratory activities (Z004).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations as well as any emission limitations and/or control requirements contained within a PTI for the emissions unit.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: F001 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 and parking areas (see section A.1.2.a)	OAC rule 3745-17-07 (B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute observation period
	OAC rule 3745-17-08 (B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.1.2.c, A.1.2.d, A.1.2.f., A.1.2.h and A.1.2.i)
unpaved roadways and parking areas (see section A.1.2.b)	OAC rule 3745-17-07 (B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-08 (B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.1.2.e through A.1.2.i)

2. Additional Terms and Conditions

- a. The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
 - (a) paved roadways and parking areas: MV Paved
approximate one-way mileage of road segment: 0.7 mile
- b. The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
 - unpaved roadways and parking areas: MV Unpaved
approximate one-way mileage of road segment: 1.0 mile
- c. The permittee shall employ reasonably available control measures on all paved roadways and parking areas 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 treat the paved roadways and parking areas by flushing with water and/or sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ reasonably available control measures on the unpaved shoulders of all paved roadways 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 treat the unpaved shoulders of all paved roadways with water at sufficient treatment frequencies to

ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- e. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas 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 treat the unpaved roadways and parking areas with oil and/or water and/or resurfacing with limestone at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. Implementation of control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use. The frequency of implementation of the control measures, when the emissions unit is in operation, shall at a minimum be as follows:
 - paved roadways and parking areas minimum implementation
flushing with water and/or sweeping daily, as needed
 - unpaved roadways and parking areas minimum implementation
watering daily, as needed
oil and/or resurfacing with limestone one time per year

Additional implementation of control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit.
- g. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- h. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- i. open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
 - paved roadways and parking areas: daily
 - unpaved roadways and parking areas: daily
- 2. The purpose of the inspections is to determine the need for additional implementation of the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
- 3. The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 4. The permittee shall maintain records of the following information:
 - a. the manner in which the paved and unpaved roadways and parking areas were treated/cleaned, for the required daily implementation of control;
 - b. the name of the equipment operator responsible for implementing the required daily control;

- c. the date(s) unpaved roadways and parking areas were treated with oil and/or resurfaced with limestone;
- d. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- e. the date of each inspection where it was determined by the permittee that it was necessary to implement additional control measures;
- f. the dates the additional control measures were implemented; and
- g. on a calendar quarter basis, the total number of days control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.g. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which the required daily implementation of control was not completed, excluding each day in which control was not applied due to an exemption for snow and/or ice cover or precipitation;
 - b. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - c. each instance when an additional control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method:
 - a. Emission Limitation: no visible particulate emissions from paved roadways except for 6 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).
 - b. Emission Limitation: no visible particulate emissions from unpaved roadways except for 13 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0372000081 Emissions Unit ID: F001 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: F002 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
load-in and loadout of storage piles (see	OAC rule 3745-17-07 (B)(6)	no visible emissions except for 13 minutes in any hour

section A.I.2.a for identification of storage piles)

OAC rule 3745-17-08 (B), (B)(6)

reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.b, A.I.2.c and A.I.2.f)

wind erosion from storage piles (see section A.I.2.a for identification of storage piles)

OAC rule 3745-17-07 (B)(6)

no visible emissions except for 13 minutes in any hour

OAC rule 3745-17-08 (B), (B)(6)

reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.d through A.I.2.f)

2. Additional Terms and Conditions

a. The number and type of storage piles that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

(a)

- 10 limestone
- 1 coal
- 2 coke
- 1 coal/coke blend

b. The permittee shall employ reasonably available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee shall treat the load-in and load-out material(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. The above-mentioned control measures shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures(s) is unnecessary.

d. The permittee shall employ reasonably available control measures for wind erosion from the surfaces of all storage piles 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 treat the storage pile(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

e. The above-mentioned control measures shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

- storage pile identification minimum load-in inspection frequency
 - 10 limestone daily
 - 1 coal daily
 - 2 coke daily
 - 1 coal/coke blend daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

- storage pile identification minimum load-out inspection frequency
 - 10 limestone * daily

- 1 coal daily
- 2 coke daily
- 1 coal/coke blend daily

*Inspection of piles utilizing "under pile" loadout is not required due to negligible emissions generated with this type of loadout.

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:
 - storage pile identification minimum wind erosion inspection frequency
 - 10 limestone daily
 - 1 coal daily
 - 2 coke daily
 - 1 coal/coke blend daily
4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method:
Emission Limitation: no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes during any 60-minute observation period.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

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VI. Miscellaneous Requirements

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Facility ID: 0372000081 Emissions Unit ID: F002 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2.	Additional Terms and Conditions		
1.	None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0372000081 Emissions Unit ID: F003 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
primary crushing, screening and conveying operations with transfer points	OAC rule 3745-17-08 (B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust
	OAC rule 3745-17-07(B) (1)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a three-minute average, except as provided by rule.
	40 CFR, Part 60, Subpart OOO	There shall be no visible fugitive PE from the building enclosing the two primary screens (see A.I.2.a).
	OAC rule 3745-31-05 (PTI #03-4563)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-08(B) and 3745-17-07(B)(1) and 40 CFR, Part 60, Subpart OOO.

2. Additional Terms and Conditions

- a. The two primary screening operations associated with this emissions unit were installed in 1990 and are subject to 40 CFR, Part 60, Subpart OOO requirements.
- b. The material handling operation(s), with the exception of the two primary screens noted above, that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

primary crushing, and all conveying and transfer points
- c. The permittee shall employ reasonable available control measures for the above-identified material handling operation(s) 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 perform the following control measure(s) to ensure compliance:

material handling operation(s):
primary crushing, and all conveying and transfer points

control measure(s)
naturally occurring high moisture content and the application of additional water if it is determined necessary by the daily inspections

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

For purposes of this paragraph "adequately enclosed" means an enclosure sufficient to contain emissions such that compliance with the opacity restriction of the permit is maintained.
- e. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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II. Operational Restrictions

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions from the building enclosing the two primary screens which are part of this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.
2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s) minimum inspection frequency

primary crushing, and all conveying daily
and transfer points
3. The above-mentioned inspections shall be performed during representative, normal operating conditions.
4. The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
5. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to apply additional water;
 - c. the dates that additional water was applied; and
 - d. on a calendar quarter basis, the total number of days that additional water was applied.

The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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IV. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive dust emissions were observed from the building enclosing the two primary screens and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when additional water was to be applied as a result of an inspection, and was not.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

For primary crushing, conveying and transfer points, visible PE shall not exceed 20 percent opacity, as a three-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with OAC rule 3745-17-03(B)(3).
 - b. Emission Limitation:

No visible fugitive emissions from the building enclosing the two primary screens.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with Method 22, 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: F003 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: F004 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
secondary crushing, screening, and conveying operations with transfer points	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a three-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. The inherent moisture of the material (with additional watering, if necessary) and the enclosure of the building for the screening operation have been determined to be reasonable available control measures (RACM) for this operation.
- b. The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

secondary crushing, screening, and conveying operations with transfer points
- c. The permittee shall employ reasonably available control measures for the above-identified material handling operation(s) 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 perform the following control measure(s) to ensure compliance:

material handling operation(s) control measure(s)

secondary crushing, screening, enclosure and naturally and conveying operations with occurring high moisture transfer points content

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., enclosure, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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IV. Reporting Requirements

- 1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the from the egress points (i.e., enclosure, etc.) serving this emissions unit, and (b) describe any corrective actions taken to minimize or eliminate the visible particulate and/or visible fugitive particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

- 1. If required, compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with OAC rule 3745-17-03(B)(3).

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: F004 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: F005 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 load out, equipped with a baghouse	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.I.2.a)
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions (PE) shall not exceed 20 % opacity, as a 3-minute average (for the fugitive dust emissions).
	OAC rule 3745-31-05 PTI # 03-4563	See A.II.1
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B).		

2. Additional Terms and Conditions

- a. The permittee shall employ reasonably available control measures (RACM) at all times for the control of fugitive dust emissions associated with this emissions unit. The following control techniques shall be implemented to reduce fugitive dust emissions:
 - (a)
 - i. the use of hooding and retractable loading spouts to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and
 - ii. all fugitive dust captured within the hooding shall be vented to a baghouse, which shall achieve an outlet loading of not greater than 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases or no visible particulate emissions from the baghouse exhaust stack, whichever is less stringent.

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II. Operational Restrictions

1. Only "oiled" products shall be loaded into rail cars through this system. The retractable loading spout shall be extended to the bottom of the cars initially and then gradually raised as the cars are loaded.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from this emissions unit. The presence or absence of any visible emissions of fugitive dust shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. 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.

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IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.030 gr/dscf of exhaust

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with OAC rule 3745-17-03(B)(7).
 - b. Emission Limitation: Visible PE shall not exceed 20 % opacity, as a 3-minute average (for the fugitive dust emissions).

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(3).

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VI. **Miscellaneous Requirements**

1. The permittee applied for and received a Permit to Install (PTI 03-4563) in 1989 for this emissions unit. The PTI allowed for the loading of only oiled products (burnt dolomite) into railcars. Currently, the permittee loads both oiled and non-oiled products into railcars and trucks, in violation of the terms and conditions of PTI 03-4563. Therefore, as the initial step for this emissions unit to achieve compliance with the applicable requirements, the permittee shall submit a complete permit to install application within 2 months following the issuance of this permit.

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Facility ID: 0372000081 Emissions Unit ID: F005 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0372000081 Emissions Unit ID: F006 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
drilling, with water injection and baghouse	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)(3)(b)	0.030 grain per dry standard cubic foot or no visible emissions from stack, whichever is less stringent (see A.II.1.a)
overburden removal	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.II.1.c)
blasting	OAC rule 3745-17-07(B)	See A.II.1.b.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.II.1.b)
truck unloading	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.II.1.d)
waste disposal	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.II.1.e)
reclamation	OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.II.1.f)

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

- 1. Mineral extraction includes the following activities: drilling and blasting, overburden removal, truck loading, waste disposal, and reclamation. The permittee shall implement the precautions/control strategies listed below to reduce fugitive emissions:
 - a. Drilling:
 - i. Any drill used at this plant shall employ reasonably available control measures (RACM) for the fugitive dust emissions. RACM for drilling operations shall be either a water injection system or a fabric filter collection system. If a water injection system is utilized, the visible fugitive emissions shall not exceed

- 20% opacity, as a three-minute average. If the fabric filter collection system is utilized, there shall be no visible fugitive emissions and the control equipment shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the exhaust stack, whichever is less stringent.
- ii. No "Contract Drilling" shall occur at this plant without the permittee first certifying, in writing to the Ohio EPA, Northwest District Office, that the contractor's drilling rig employs RACM.
- b. **Blasting:**
- None. The opacity limitation shall not apply to blasting operations, pursuant to OAC rule 3745-17-07(B) (11)(b).
- c. **Overburden removal:**
- The permittee shall employ water and/or any other suitable dust suppressant on an "as needed" basis to control fugitive dust emissions during overburden removal such that compliance with the opacity limitation in section A.I.1 can be achieved.
- d. **Truck loading:**
- The permittee shall minimize the drop height distance during loading of the truck bed and, on an "as needed" basis, employ water and/or any other suitable dust suppressant to control fugitive dust emissions during truck loading such that compliance with the opacity limitation in section A.I.1 can be achieved.
- e. **Waste disposal:**
- The permittee shall employ, on an "as needed" basis, water and/or any other suitable dust suppressant to control fugitive dust emissions during waste disposal operations such that compliance with the opacity limitation in section A.I.1 can be achieved.
- f. **Reclamation:**
- The permittee shall employ, on an "as needed" basis, water and/or any other suitable dust suppressant to control fugitive dust emissions during reclamation operations such that compliance with the opacity limitation in section A.I.1 can be achieved.
2. The above-identified control measures shall be implemented if the permittee determines, as a result of the inspections conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation until further observation confirms that use of the control measure(s) is unnecessary.

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

1. Except as otherwise provided in this section, on days when mineral extraction operations are occurring, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:
- mineral extraction operation(s) minimum inspection frequency
- Drilling daily
 Blasting none
 Overburden removal daily
 Truck loading daily
 Waste disposal daily
 Reclamation daily
2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
- c. the dates the control measure(s) was (were) implemented; and
- d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each mineral extraction operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method:
 - a. Emission Limitation: Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average.
 Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(3).
 - b. Emission Limitation: 0.030 grain per dry standard cubic foot (from drilling)
 Applicable Compliance Method: The permittee may demonstrate compliance with the limitation above as follows:

$$E \text{ (grain/dscf)} = [X / (F \times 60)] \times 7000$$
 where:

$$E = PE \text{ (grain/dscf)}$$

$$x = \text{Drilling (lb/hr)} = \text{maximum process weight rate (ton/hr)} \times 0.00008 \text{ (lb/ton)} \times 0.01^{**}$$

$$F = \text{Flow rate of exhaust system (dscfm)}$$
 * emission factor from AP-42, Chapter 11.19
 ** control efficiency of the baghouse is assumed to be 99%
 If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with OAC rule 3745-17-03(B)(7).
 - c. Emission Limitation: no visible emissions
 Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with Method 22 of 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0372000081 Emissions Unit ID: F006 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: P005 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
rotary lime kiln #1, with settling chamber, cyclone, and wet scrubber	OAC rule 3745-17-11(B)	40.6 pounds particulate emissions (PE)/hour (for emissions units P005 and P006)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-78	25.0 pounds sulfur dioxide (SO ₂)/ton of product
2. Additional Terms and Conditions		
a. The permittee shall employ a settling chamber, cyclone and wet scrubber to control the PE from this emissions unit.		

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II. Operational Restrictions

1. The pressure drop across the wet scrubber, as measured at the venturi, shall be continuously maintained at a value of not less than 3 inches of water at all times while this emissions unit is in operation.
2. The scrubber water flow rate shall be continuously maintained at a value of not less than 200 gallons per minute at all times while this emissions unit is in operation.
3. The permittee shall burn only natural gas, no. 2 fuel oil, no. 6 fuel oil, petroleum coke, and/or coal in this emissions unit.
4. The quality of oil, petroleum coke, and/or coal burned in this emissions unit shall meet, on an as-received basis, sulfur contents (in terms of lbs/mmBtu) that are no greater than the sulfur contents documented during any valid emission testing performed after 1999 that demonstrated the emissions unit was in compliance with the limitation of 25 lbs SO₂/ton of product.

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III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.
2. The permittee shall collect or require the coal and petroleum coke supplier to collect a representative grab sample of each shipment of coal and/or petroleum coke that is received for burning in this emissions unit. At the end of each week, the representative samples of coal from all shipments of coal and petroleum coke which were received during that week shall each be combined into one composite sample.

Each weekly composite sample of coal and petroleum coke shall be analyzed for sulfur content (percent) and heat content (Btu/pound of coal or petroleum coke). The permittee shall perform or require the supplier to perform the coal and/or petroleum coke sampling in accordance with the most recent version of the following ASTM methods: ASTM method D2234, Collection of a Gross Sample of Coal and/or Petroleum Coke and analyze the coal and petroleum coke sample for sulfur content (percent) and heat content (Btu/pound of coal or petroleum coke). The analytical methods for sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. The permittee shall maintain monthly records of the total quantity of coal and petroleum coke received, the results of the analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate, in lbs/mmBtu.
4. For each day during which the permittee burns a fuel other than natural gas, number 2 and/or number 6 fuel oil, petroleum coke, and/or coal, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
5. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while this emissions units is in operation. The monitoring devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
6. The permittee shall collect and record the following information each day for this emissions unit:

- a. the pressure drop across the scrubber, in inches of water, on a once/day basis;
 - b. the scrubber water flow rate, in gallons/minute, on a once/day basis (the permittee may determine the water flow rate based on the scrubber pump amperage, which is directly proportional to flow rate); and
 - c. a log of all periods of downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions units was in operation.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. the static pressure drop across the scrubber; and
 - b. the scrubber water flow rate.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, no. 2 fuel oil, no. 6 fuel oil, petroleum coke, and/or coal was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
3. The permittee shall notify the Ohio EPA, Northwest District Office in writing of any record which shows a deviation of the allowable SO₂ emission limitation, as shown by the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Northwest District Office within 45 days after the deviation occurs.
4. The permittee shall submit quarterly summaries that include a log of all periods of downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation. These reports shall be submitted by March 31, June 30, September 30, and December 31 of each year and shall cover the previous calendar quarter.

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V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after issuance of this permit (testing within three months of permit issuance is not required if the permittee completed an emission test within the previous year) and within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE and SO₂.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
 - i. for PE: Methods 1-5 of 40 CFR, Part 60, Appendix A; and
 - ii. for SO₂: Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.
 - d. The tests for PE shall be conducted while emissions units P005 and P005 are operating at or near their maximum capacities, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

The tests for SO₂ shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northwest District Office within 30 days following completion of the test(s).
3. During the emission testing of this emissions unit, the following additional information shall be recorded:

- i. the water flow rates through the scrubber (scrubber pump amperage converted to gallons of water/minute);
 - ii. the pressure drop across the scrubber, in inches of water;
 - iii. the tons of product produced, based on stone feed rate calculation; and
 - iv. the sulfur content of the oil, petroleum coke and/or coal, in percent by weight.
- 4. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
40.6 pounds PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation above based upon the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with OAC rule 3745-17-03(B)(1).
 - c. Emission Limitation:
25.0 pounds SO2/ton of product

Applicable Compliance Method:
The permittee shall demonstrate compliance with the allowable SO2 emission limitation above based upon the results of emission testing conducted in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: P005 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: P006 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
rotary lime kiln #2, with settling chamber, cyclone, and wet scrubber	OAC rule 3745-17-11(B)	40.6 pounds particulate emissions (PE)/hour (for emissions units P005 and P006)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-78	25.0 pounds sulfur dioxide (SO2)/ton of product

2. **Additional Terms and Conditions**

- a. The permittee shall employ a settling chamber, cyclone and wet scrubber to control the PE from this emissions unit.

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II. **Operational Restrictions**

- 1. The pressure drop across the wet scrubber, as measured at the venturi, shall be continuously maintained at a value of not less than 3 inches of water at all times while this emissions unit is in operation.
- 2. The scrubber water flow rate shall be continuously maintained at a value of not less than 200 gallons per minute at all times while this emissions unit is in operation.

3. The permittee shall burn only natural gas, no. 2 fuel oil, no. 6 fuel oil, petroleum coke, and/or coal in this emissions unit.
4. The quality of oil, petroleum coke, and/or coal burned in this emissions unit shall meet, on an as-received basis, sulfur contents (in terms of lbs/mmBtu) that are no greater than the sulfur contents documented during any valid emission testing performed after 1999 that demonstrated the emissions unit was in compliance with the limitation of 25 lbs SO₂/ton of product.

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III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

2. The permittee shall collect or require the coal and petroleum coke supplier to collect a representative grab sample of each shipment of coal and/or petroleum coke that is received for burning in this emissions unit. At the end of each week, the representative samples of coal from all shipments of coal and petroleum coke which were received during that week shall each be combined into one composite sample.

Each weekly composite sample of coal and petroleum coke shall be analyzed for sulfur content (percent) and heat content (Btu/pound of coal or petroleum coke). The permittee shall perform or require the supplier to perform the coal and/or petroleum coke sampling in accordance with the most recent version of the following ASTM methods: ASTM method D2234, Collection of a Gross Sample of Coal and/or Petroleum Coke and analyze the coal and petroleum coke sample for sulfur content (percent) and heat content (Btu/pound of coal or petroleum coke). The analytical methods for sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal and petroleum coke received, the results of the analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate, in lbs/mmBtu.
4. For each day during which the permittee burns a fuel other than natural gas, number 2 and/or number 6 fuel oil, petroleum coke, and/or coal, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
5. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while this emissions units is in operation. The monitoring devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
6. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the pressure drop across the scrubber, in inches of water, on a once/day basis;
 - b. the scrubber water flow rate, in gallons/minute, on a once/day basis (the permittee may determine the water flow rate based on the scrubber pump amperage, which is directly proportional to flow rate); and
 - c. a log of all periods of downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions units was in operation.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
 - a. the static pressure drop across the scrubber; and
 - b. the scrubber water flow rate.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, no. 2 fuel oil, no. 6 fuel oil, petroleum coke, and/or coal was burned in this emissions unit. Each report

shall be submitted within 30 days after the deviation occurs.

3. The permittee shall notify the Ohio EPA, Northwest District Office in writing of any record which shows a deviation of the allowable SO₂ emission limitation, as shown by the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Northwest District Office within 45 days after the deviation occurs.
4. The permittee shall submit quarterly summaries that include a log of all periods of downtime for the capture (collection) system, control device and monitoring equipment when the associated emissions unit was in operation. These reports shall be submitted by March 31, June 30, September 30, and December 31 of each year and shall cover the previous calendar quarter.

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V. **Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after issuance of this permit (testing within three months of permit issuance is not required if the permittee completed an emission test within the previous year) and within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE and SO₂.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
 - i. for PE: Methods 1-5 of 40 CFR, Part 60, Appendix A; and
 - ii. for SO₂: Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.
 - d. The tests for PE shall be conducted while emissions units P005 and P005 are operating at or near their maximum capacities, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

The tests for SO₂ shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northwest District Office within 30 days following completion of the test(s).
3. During the emission testing of this emissions unit, the following additional information shall be recorded:
 - i. the water flow rates through the scrubber (scrubber pump amperage converted to gallons of water/minute);
 - ii. the pressure drop across the scrubber, in inches of water;
 - iii. the tons of product produced, based on stone feed rate calculation; and
 - iv. the sulfur content of the oil, petroleum coke and/or coal, in percent by weight.
4. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
40.6 pounds PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation above based upon the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with OAC rule 3745-17-03(B)(1).

- c. Emission Limitation:
25.0 pounds SO2/ton of product

Applicable Compliance Method:
The permittee shall demonstrate compliance with the allowable SO2 emission limitation above based upon the results of emission testing conducted in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: P006 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: P011 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
lime and DBD material handling, equipped with 2 baghouses	OAC rule 3745-17-07 (A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-11	47.0 lbs PE/hr

2. **Additional Terms and Conditions**

- a. All PE from this emissions unit shall be vented to the 2 baghouses.*

(a)

* The Amerpulse baghouse, manufactured by American Air Filter and installed in June 1947, is 100% dedicated to controlling emissions from P011. The Green-Donaldson baghouse, manufactured by Donaldson Day and installed in April 1989, controls emissions from both P011 and F005.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. 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 minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with OAC rule 3745-17-03(B)(1).
 - b. Emission limitation:
47.0 lbs PE/hr

Applicable compliance method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation above in accordance with OAC rule 3745-17-03(B)(10).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0372000081 Emissions Unit ID: P011 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0372000081 Emissions Unit ID: P012 Issuance type: Title V Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
kiln fuel handling system (coal and coke), equipped with a baghouse	OAC rule 3745-17-07 (A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.
	OAC rule 3745-31-05 (PTI #03-5693)	0.5 lb PE/hr
		There shall be no visible fugitive emissions from this emissions unit.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. **Additional Terms and Conditions**

- a. All PE from this emissions unit shall be vented to the baghouse.*
 - (a) * The Solid Fuel D.C. baghouse, manufactured by Donaldson Day was installed in April 1992.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. 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 shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

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IV. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive dust emissions from this emissions unit were observed and (b) describe any corrective actions taken to eliminate the visible emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with OAC rule 3745-17-03(B)(1).
 - b. Emission limitation:
0.5 lb PE/hr

Applicable compliance method:
If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.
 - c. Emission Limitation:
No visible fugitive emissions.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with Method 22, 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0372000081 Emissions Unit ID: P012 Issuance type: Title V Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None