

Facility ID: 1576001809 Issuance type: Final State Permit To Operate

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

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

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

- [Go to Part II for Emissions Unit F001](#)
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Facility ID: 1576001809 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05(A)(3) PTI 15-01501	The particulate emissions (PE) shall not exceed 2.29 tons/yr.
Non-Appendix A Area so OAC rules 3745-17-07 and 3745-17-08 do not apply.		The PM10 emissions shall not exceed 1.03 tons/yr.
		There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period.
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b through A.2.f below.)
	OAC rule 3745-17-07(B)(5)	See Section A.2.g below.
	OAC rule 3745-17-08(B)	See Section A.2.h below.

2. Additional Terms and Conditions

- (a) The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - unpaved roadways:
 - haul road
 - unpaved parking areas:

The permittee shall employ best 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 chemical dust suppressants and water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

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.

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.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions from this emissions unit.

Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to the fugitive emissions from this emissions unit.

B. Operational Restrictions

1. None

C. 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:
- unpaved roadways and parking areas:
 - all
 - minimum inspection frequency:
 - daily
2. The purpose of the inspections is to determine the need for implementing 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 Canton 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:
- 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;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - the dates the control measures were implemented; and
 - on a calendar quarter basis, the total number of days the 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.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
- 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
 - 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.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
- Emissions Limitation:
The particulate emissions (PE) shall not exceed 2.29 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation for the unpaved roadways and parking areas identified above shall be determined by using the emission factor for unpaved roadways as stated in AP-42, 5th Edition, September, 1998, Chapter 13.2.2, Equation (2). This equation will provide the emission factor for particulate matter in pounds per vehicle mile traveled. This emission factor is then multiplied by the total annual vehicle miles traveled and divided by 2000 pounds to obtain the total annual uncontrolled PE emissions (in tons per year).

Emissions Limitation:

The PM10 emissions shall not exceed 1.03 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation for the unpaved roadways and parking areas identified above shall be determined by using the emission factor for unpaved roadways as stated in AP-42, 5th Edition, September 1998, Chapter 13.2.2, Equation (2). This equation will provide the emission factor for particulate matter in pounds per vehicle mile traveled. This emission factor is then multiplied by the total annual vehicle miles traveled and divided by 2000 pounds to obtain the total annual uncontrolled PM10 emissions (in tons per year).

Emissions Limitation:

There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period.

Applicable Compliance Method:

Compliance with the emission limitation for the unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources,") as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 1576001809 Emissions Unit ID: F002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Storage piles	OAC rule 3745-31-05(A)(3) PTI 15-01501	The fugitive particulate emissions shall not exceed 1.045 tons/yr.
Non-Appendix A Area so OAC rules 3745-17-07 and 3745-17-08 do not apply.		The fugitive PM10 emissions shall not exceed 0.565 ton/yr.
1		oad-in and load-out of storage piles (See Section A.2.a for identification of storage piles.)
		Visible particulate emissions shall not exceed 5% opacity at any time.
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.b, A.2.c, & A.2.f.)
		wind erosion from storage piles (See Section A.2.a. for identification of storage piles.)
		Visible particulate emissions shall not exceed 5% opacity at any time.
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.d through A.2.f.)
load-in and load-out of storage piles, and wind erosion from storage piles	OAC rule 3745-17-07(B)	See Section A.2.g below.
load-in and load-out of storage piles, and wind erosion from storage piles	OAC rule 3745-17-08(B)	See Section A.2.h below.

2. **Additional Terms and Conditions**

- (a) The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - i. crushed limestone
The permittee shall employ best 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 has committed to treat load-in and load-out materials with water as needed to maintain material moisture content and reduce drop height of material to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measure(s) shall be employed for 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 measure(s) is necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) are unnecessary.

The permittee shall employ best available control measures for wind erosion from the surfaces of the storage pile 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 using high burden mounds to the east of the stockpile area, spraying water on an as-needed basis, and maintaining as low a pile height as possible. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measures shall be employed for wind erosion from each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that additional control measure(s) is necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of additional control measure(s) 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.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy requirements of OAC rule 3745-31-05(A)(3).

Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions from this emissions unit.

The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

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

storage pile identification minimum load-in inspection frequency

all once during each day of operation

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

storage pile identification minimum load-out inspection frequency

all once during each day of operation

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from storage pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification minimum load-in inspection frequency

all once during each day of operation

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 control measures 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 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.

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 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.

D. 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.

E. Testing Requirements

1. Emissions Limitation
The fugitive particulate emissions shall not exceed 1.045 tons/yr.

Applicable Compliance Method

Compliance shall be determined by combining the emissions from each load-in and load-out operation and from wind erosion from each storage pile as listed in the permittee's application and applying a 90% control efficiency. Load-in and load-out operation emission rate is based on a maximum load-in and load-out rate of 300,000 tons per year and each wind erosion emission rate is based on a maximum surface area of 0.5 acre for all storage piles as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - Emissions associated with load-in operations were established by multiplying a maximum load-in rate of 300,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0061 lb PE/ton] applying a 90% control efficiency and dividing by 2000. (0.0915 ton PE/yr)
 - ii. Load-out - This emission limitation was established by multiplying the maximum load-out rate of 300,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0061 lb PE/ton] applying a 90% control efficiency and dividing by 2000. (0.0915 ton PE/yr)
 - iii. Wind Erosion - This portion of the emission limitation was established by combining the emissions from wind erosion from all storage piles. Each emission limitation is based on the total maximum storage pile surface area as listed in the permittee's application and was calculated as follows:
 - iv. Aggregate Storage Pile - This emission limitation was established by multiplying a maximum surface area of 0.5 acre by the appropriate emission factor from USEPA's control of Open Fugitive Dust Sources (September, 1988) [0.74 lb PE/day/acre] by a maximum operating schedule of 365 days per year and dividing by 2000. (0.068 ton PE/yr)
- Emissions Limitation
The fugitive PM10 emissions shall not exceed 0.565 ton/yr.

Applicable Compliance Method

Compliance shall be determined by combining the emissions from each load-in and load-out operation and from wind erosion from each storage pile as listed in the permittee's application. The load-in and load out operation emission rate is based on a maximum load-in and load-out rate of 300,000 tons per year and each wind erosion emission rate is based on a maximum surface area of 0.5 acre for all storage piles as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - Emissions associated with load-in operations were established by multiplying a maximum load-in rate of 300,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0029 lb PE/ton] applying a 90% control efficiency and dividing by 2000. (0.14 ton PE/yr)
- ii. Load-out - This emission limitation was established by multiplying the maximum load-out rate of 300,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.0029 lb PE/ton] applying a 90% control efficiency and dividing by 2000. (0.14 ton PE/yr)
- iii. Wind Erosion - This portion of the emission limitation was established by combining the emissions from wind erosion from all storage piles. Each emission limitation is based on total maximum storage pile surface area as listed in the permittee's application and was calculated as follows:

iv. Aggregate Storage Pile - This emission limitation was established by multiplying a maximum surface area of 0.5 acre by the appropriate emission factor from USEPA's control of Open Fugitive Dust Sources (September, 1988) [0.74 lb PE/day/acre] by a maximum operating schedule of 365 days per year and dividing by 2000. (0.068 ton PE/yr)

Emissions Limitation

Visible particulate emissions shall not exceed 5% opacity at any time

Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9..

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F003 - portable aggregate processing plant includes the following equipment:	OAC rule 3745-31-05(A)(3) PTI 15-01492	The particulate emissions (PE) shall not exceed 0.99 lb/hr and 4.33 tons/yr.
Primary Crusher with cyclone - 300 tons/hr (Cedar Rapids - Model #5348)		The PM10 emissions shall not exceed 0.475 lb/hr and 2.08 tons/yr.
Secondary Crusher - 20 tons/hr - (Symons, Tyler & Tycan - Model 41/4 portable)		The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.
Screeners		See sections A.2.a, A.2.b, A.2.c, A.2.d and A.2.e below.
Conveyors		See sections A.2.a, A.2.b, A.2.c, A.2.d and A.2.e below.
Chapter 31 Modification		
Terms in this permit supersede those identified in PTI 15-01188 issued on 8/9/95.		
	OAC rule 3745-17-07(B)	See section A.2.f below.
	OAC rule 3745-17-08(B)	See section A.2.g below.
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as Best Available Technology (BAT) under OAC rule 3745-31-05(A)(3).
	40 CFR Part 60, Subpart OOO	See sections A.2.h through A.2.i.

2. Additional Terms and Conditions

- (a) The hourly mass emissions limitations outlined above are based upon the emissions unit's potential to emit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to demonstrate compliance with these limits. The annual emission limitations were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with these limits. The permittee shall employ best available control measures during all crushing operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition or employ a cyclone to control emissions to ensure compliance. The permittee shall employ best available control measures during all screening operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition and ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. The permittee shall employ best available control measures during all conveying and handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition and ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions from this emissions unit. Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to the fugitive emissions from this emissions unit. Visible emissions of fugitive dust from the crushers shall not exceed 15% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672. Visible emissions of fugitive dust from the screens and conveyors shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

B. Operational Restrictions

1. Water shall be applied at all points related to the crushing, screening, and conveying and handling operations as necessary to ensure compliance with the visible emission limitations.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall conduct visible emissions' evaluations for each affected facility. The visible emission evaluations shall be conducted according to Method 9 methodology as outlined under 40 CFR Part 60.11. The visible emission performance tests shall be performed during the period of May 1 through September 30.
2. The permittee shall perform daily checks, when the crushing equipment is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the crushing operation. 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.
3. The permittee shall perform daily checks, when the screening unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the screening 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.
4. The permittee shall perform daily checks, when each conveying and/or handling point is operating and when the weather conditions allow, for any visible fugitive particulate emissions from each conveying and/or handling operation. 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from the crushing operations and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from the screening unit and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from any conveying and handling operations and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
4. The permittee shall notify the Canton local air agency of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Canton local air agency within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section II.A.1 of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation:
The particulate emissions (PE) shall not exceed 0.99 lb/hr and 4.33 tons/yr.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate for each affected facility by the respective emissions factor, as identified below:

No. Source Emissions Factors AP-42 Fifth Edition
 . Table 11-19.2-2 1/95

1 Primary Crusher 0.0007 lb/ton x (100-98) cyclone
 1 Secondary Crusher 0.00124 lb/ton
 1 Primary Crusher Screens 1.764 E-3 lb/ton
 1 Secondary Crusher Screens 1.764 E-3 lb/ton
 1 Conveyors/drop point 1.008 E-4 lb/ton

This emissions factor is then multiplied by the hourly maximum production rate which is multiplied by the total number of hours in a year (8760) and divided by 2,000 pounds per ton to yield an emission limitation in tons per year.

Emissions Limitation

The PM10 emissions shall not exceed 0.475 lb/hr and 2.08 tons/yr.

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate for each affected facility by the respective emissions factor, as identified below:

No. Source Emissions Factors AP-42, Fifth Edition, Table 11-19.2-2 1/95

1 Primary Crusher 0.00033 lb/ton x (100-98) cyclone
 1 Secondary Crusher 0.00059 lb/ton
 1 Primary Crusher Screens 0.00084 lb/ton
 1 Secondary Crusher Screens 0.00084 lb/ton
 1 Conveyors/drop point 0.000048 lb/ton

This emissions factor is then multiplied by the hourly maximum production rate which is multiplied by the total number of hours in a year (8760) and divided by 2,000 pounds per ton to yield an emission limitation in tons per year.

Emissions Limitation:

Visible emissions of fugitive dust from the crushers shall not exceed 15% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the crusher in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a) . The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b) . The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c) . For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

Emissions Limitation:

Visible emissions of fugitive dust for the screening operations shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the screening operations in accordance with the following

requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a) . The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b) . The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c) . For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

Emissions Limitation:

Visible emissions of fugitive dust for the conveying and handling operations shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the conveying and handling operations in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a) . The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b) . The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c) . For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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 emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

F. Miscellaneous Requirements

- 1. None

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

Facility ID: 1576001809 Emissions Unit ID: F004 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - Portable coal crusher/screener/conveyor powered by a 200 HP diesel engine.	OAC rule 3745-31-05(A)(3) PTI 15-01426	Particulate emissions shall not exceed 3.08 lbs/hr and 13.49 tons/yr. PM10 emissions shall not exceed 0.71 lb/hr and 3.1 tons/yr. Nitrogen oxide emissions shall not exceed 2.43 lbs/hr and 10.64 tons/yr. Carbon monoxide emissions shall not exceed 0.52 lb/hr and 2.28 tons/yr. Sulfur dioxide emissions shall not exceed 0.16 lb/hr and 0.7 ton/yr. Organic compound emissions shall not exceed 0.2 lb/hr and 0.9 ton/yr.
Non-Appendix A Area so OAC rules 3745-17-07 and 3745-17-08 do not apply.	40 CFR Part 60 Subpart Y NSPS	The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.d through A.2.f below.) The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart Y NSPS. On and after the date on which the performance test required to be conducted by is completed, the permittee shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

2. Additional Terms and Conditions

- (a) The coal being processed shall have a sufficient moisture content to ensure compliance with the above-mentioned visible emission limitation.

B. Operational Restrictions

1. None
- C. **Monitoring and/or Record Keeping Requirements**
 1. On days this emissions unit operates, the permittee shall perform daily observations to determine whether visible emissions of fugitive dust are being generated by the processing of the coal.
 2. The permittee shall maintain records of the following information:
 - a. the date and reason any required daily observation was not performed;
 - b. the date of each observation 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 the total number of days where the moisture content of the coal was sufficient to not require the control measures.
- D. **Reporting Requirements**
 1. The permittee shall submit quarterly deviation reports that identify either of the following occurrences:
 - a. each day when this emissions unit was operated during which an observation was not performed; and,
 - b. each instance when a control measure that was to be implemented as a result of an observation was not implemented.

The deviation reports shall be submitted in accordance with paragraph A.2. of the General Terms and Conditions.
- E. **Testing Requirements**
 1. Compliance with the emissions limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation:
On and after the date on which the performance test required to be conducted by is completed, the permittee shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20 percent opacity or greater.

Applicable Compliance Method:
If required, Method 9. See section E.2 below.

Emissions Limitation:
Particulate emissions shall not exceed 3.08 lbs/hr and 13.49 tons/yr.

Applicable Compliance Method:
Use AP-42 emission factors.

Emissions Limitation:
PM10 emissions shall not exceed 0.71 lb/hr and 3.1 tons/yr.

Applicable Compliance Method:
Use AP-42 emission factors.

Emissions Limitation:
Nitrogen oxide emissions shall not exceed 2.43 lbs/hr and 10.64 tons/yr.

Applicable Compliance Method:
Use AP-42 emission factors.

Emissions Limitation:
Carbon monoxide emissions shall not exceed 0.52 lb/hr and 2.28 tons/yr.

Applicable Compliance Method:
Use AP-42 emission factors.

Emissions Limitation:
Sulfur dioxide emissions shall not exceed 0.16 lb/hr and 0.7 ton/yr.

Applicable Compliance Method:
Use AP-42 emission factors.

Emissions Limitation:
Organic compound emissions shall not exceed 0.2 lb/hr and 0.9 ton/yr.

Applicable Compliance Method:
Use AP-42 emission factors.
 2. The permittee shall conduct, or have conducted, visible emissions observations of the opacity of fugitive dust coming from this emissions unit in accordance with the following requirements:
 - a. The visible emission observations shall be conducted within 60 days of issuance of the final PTI.
 - b. The visible emissions observations shall be conducted to determine whether the discharge into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, has gases that exhibit 20 percent opacity or greater.
 - c. USEPA Method 9, found in 40 CFR Part 60 Appendix A, shall be used to conduct observations of visible emissions.
 - d. The testing shall be performed while this emissions unit is being operated at maximum production capacity or as close to that capacity as is physically possible.

- e. The minimum total time of observations shall be 3 hours (30 6-minute averages).
- f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. 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 Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency 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.

F. Miscellaneous Requirements

- 1. None

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

Facility ID: 1576001809 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P901 - 225 TPH Portable Hot Mix Asphaltic Concrete Plant with Fabric Filter using Natural Gas and No. 2 Oil as Fuel	OAC rule 3745-31-05 (A)(3) PTI 15-01501	<p>Visible particulate emissions from any stack associated with P901 shall not exceed 10% opacity, as a six-minute average.</p> <p>Visible particulate emissions from any fugitive dust emissions point associated with P901 shall not exceed 20% opacity, as a three-minute average.</p> <p>The stack emissions shall not exceed the following when burning natural gas: The nitrogen oxide (NOx) emissions shall not exceed 5.63 lbs/hr. The carbon monoxide (CO) emissions shall not exceed 90 lbs/hr. The volatile organic compound (VOC) emissions shall not exceed 1.85 lbs/hr. The sulfur dioxide (SO2) emissions shall not exceed 1.03 lbs/hr. The PM/PM10 emissions shall not exceed 7.95 lbs/hr.</p> <p>The stack emissions shall not exceed the following when burning No. 2 fuel oil: The NOx emissions shall not exceed 5.63 lbs/hr. The CO emissions shall not exceed 90 lbs/hr. The VOC emissions shall not exceed 1.85 lbs/hr. The SO2 emissions shall not exceed 24.85 lbs/hr. The PM/PM10 emissions shall not exceed 7.95 lbs/hr.</p> <p>Fugitive PM emissions from aggregate material handling shall not exceed 12 tons/yr.</p>

Fugitive PM10 emissions from aggregate material handling shall not exceed 1.2 tons/yr.

The requirements of OAC rule 3745-31-05 (A)(3) also include compliance with the requirements of 40 CFR Part 60 Subpart I and OAC rule 3745-35-07 (B).

OAC rule 3745-31-05(D)

See sections A.2.a through A.2.j below.
 Burning Natural Gas:
 The NOx emissions shall not exceed 3.75 tons/yr.
 The CO emissions shall not exceed 60 tons/yr.
 The VOC emissions shall not exceed 1.23 tons/yr.
 The SO2 emissions shall not exceed 0.69 ton/yr.
 The PM/PM10 emissions shall not exceed 8.19 tons/yr.

Burning Fuel Oil No. 2:
 The NOx emissions shall not exceed 3.75 tons/yr.
 The CO emissions shall not exceed 60 tons/yr.
 The VOC emissions shall not exceed 1.23 tons/yr.
 The SO2 emissions shall not exceed 25.6 tons/yr.
 The PM/PM10 emissions shall not exceed 8.19 tons/yr.

40 CFR Part 60, Subpart I

The TPY emissions limits are based upon a rolling, 12-month summation of the monthly emissions, and as established in the restricted potential to emit procedures of Part II, Section E using the federally enforceable production limitations and operating hours' limitations of Part II, Section B.
 The PM emissions shall not exceed 0.04 grain/dscf.

OAC rule 3745-17-07 (A)(1)
 OAC rule 3745-17-11 (B)
 OAC rule 3745-18-06 (E)

The visible particulate emissions' limitation required by 40 CFR Part 60, Subpart I is less stringent, than the visible particulate emissions' limitation established pursuant to OAC rule 3745-31-05 (A)(3).
 The emissions limitations specified by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by the emissions limitations, production limitations, operating hours' limitation and use of a baghouse.
 The permittee reserves the right to burn natural gas and #2 fuel oil in this emissions unit. No other fuel shall be burned in P901.
 No oil containing more than 0.5% by weight of sulfur shall be burned in this emissions unit.
 The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
 The permittee shall maintain a minimum height of 35 feet for the baghouse stack.
 The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:
 -transfer points of material
 -aggregate conveyor screening
 -weight hopper loading
 For each material handling operation that is not adequately enclosed, the below-identified control measure(s) 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 measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) are unnecessary.
 The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the cold feed bins and recycled material (RAP) bin.
 The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.
 Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.
 The hourly emissions limitations outlined in term A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

- 1. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than 2 nor greater

than 8 inches of water shall be maintained at all times when this emissions unit is being operated.

2. The maximum annual operating hours for this emissions unit shall not exceed 2,060 hours, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the operating hours' levels specified in the following table:

. Maximum Allowable
Months(s) Cumulative Operating Hours

1 172
1-2 343
1-3 515
1-4 687
1-5 858
1-6 1030
1-7 1202
1-8 1373
1-9 1545
1-10 1717
1-11 1888
1-12 2060

After the first 12 calendar months of operation, compliance with the annual operating hours' limitation shall be based upon a rolling, 12-month summation of the operating hours.

3. The maximum annual asphalt production for this emissions unit shall not exceed 300,000 tons per year based upon a rolling, 12-month summation of the production rates. To ensure enforceability during the 12 calendar months of operation, the permittee shall not exceed the production rate specified in the following table:

. Maximum Allowable Cumulative
Month(s) Tons of Hot Mix Asphalt Produced

1 25,000
1-2 50,000
1-3 75,000
1-4 100,000
1-5 125,000
1-6 150,000
1-7 175,000
1-8 200,000
1-9 225,000
1-10 250,000
1-11 275,000
1-12 300,000

After the first 12 months of operation, compliance with the annual production limitation for this emissions unit shall be based upon a rolling, 12-month summation of the tons of asphalt produced.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:

- a. the operating hours for each month; and
- b. the rolling, 12-month summation of the operating hours.

Also, during the first 12 months of operation, the permittee shall record the cumulative operating hours for each calendar month.

2. The permittee shall maintain monthly records of the following information:

- a. the tons of asphalt produced for each month; and
- b. the rolling, 12-month summation of the asphalt production in tons.

Also, during the first 12 months of operation, the permittee shall record the cumulative asphalt production in tons for each calendar month.

3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the fabric filter on a daily basis.

4. Except as otherwise provided in this section, for aggregate handling operations that are not adequately enclosed, the permittee shall perform daily inspections of such operation to determine if any visible particulate emissions are being generated. The inspections shall be performed during representative, normal operating conditions.

The permittee may, upon receipt of written approval from the Canton 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.

5. The permittee shall maintain records of the following information for the inspections of the aggregate handling operations:

- 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 5.d shall be kept separate 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.

- 6. The baghouse internal components and bags must be inspected regularly. Intervals between inspections should not exceed two (2) weeks during the asphalt production season. The permittee shall maintain records of such inspections and any repairs made. Such records shall be made available to personnel from the Canton local air agency (or any other agent of the Ohio EPA) upon request during normal working hours.
- 7. The permittee shall conduct daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack servicing the dryer. These checks shall be conducted under normal operating conditions. The checks shall be conducted for at least six consecutive minutes. The presence or absence of any visible particulate emissions shall be recorded in an operations log and shall be made available to personnel from the Canton local air agency (or any other agent of the Ohio EPA) upon request during normal working hours. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the visible particulate emissions;
 - b. whether the visible particulate emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal visible particulate emissions;
 - d. the total duration of any visible particulate emission incident; and
 - e. any corrective actions taken to eliminate the visible particulate emissions.
- 8. The permittee shall maintain the following records:
 - a. records showing the breakdown of the amount of each raw material used in each product mix;
 - b. records showing the type and amount of each fuel combusted;
 - c. fuel analysis from the supplier of each type of fuel at the site; and
 - d. records showing what types of asphalt are being stored on site, the supplier of the asphalt, and an analysis of each asphalt from the supplier.

D. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours' limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative operating hours' levels.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month asphalt production rate limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative asphalt production rates' levels.
- 3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the above-mentioned allowable pressure drop range.
- 4. The permittee shall submit deviation (excursion) reports which identify each day when a fuel other than natural gas or No. 2 fuel oil was burned in this emissions unit.
- 5. The permittee shall submit deviation (excursion) reports that identify each day when a No. 2 fuel oil was burned that contained a sulfur content of more than 0.5 percent by weight.
- 6. The permittee shall submit deviation (excursion) reports which identify any day when the material handling operations were not inspected.
- 7. The permittee shall submit semiannual written reports which identify the following:
 - a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit;
 - b. any corrective actions taken to eliminate visible particulate emissions from the stack; and
 - c. all days when at least 6 minutes of daily checks for visible particulate emissions were not conducted when the emissions unit was in operation and the weather conditions were acceptable.

The reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
- 8. These reports, as denoted by terms D.1 - D.7, are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).
- 9. The permittee shall submit a Preventative Maintenance and Malfunction Abatement Plan (PM&MAP) to the Canton local air agency within thirty days after issuance of this permit to install. This PM&MAP shall comply with the requirements listed in OAC rule 3745-15-06(D)(1). The manual titled "Ohio EPA's Operation and

Maintenance (O&M) Guidelines for Air Pollution Control Equipment" provides excellent guidance on how to develop an acceptable PM&MAP.

10. The permittee shall notify the Canton local air agency in writing of any record showing that the baghouse was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Canton local air agency within 30 days after the event occurs.
11. The permittee shall furnish the Canton local air agency written notification as follows:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Canton local air agency may request additional relevant information subsequent to this notice.
12. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P. O. Box 1049
Columbus, Ohio 43216-1049
and

Canton City Health Department
Air Pollution Control Division
420 Market Avenue N.
Canton, OH 44702-1544

E. Testing Requirements

1. No later than 90 days after the start up of this emissions unit, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates, VOC, CO, SO₂ and NO_x. The test(s) shall be conducted in accordance with the test methods and procedures specified in Method 5 of 40 CFR Part 60, Appendix A for particulates, Method 25 or 25A of 40 CFR Part 60, Appendix A for VOC, Method 10 or 10A of 40 CFR Part 60, Appendix A for CO, Method 6 of 40 CFR Part 60, Appendix A for SO₂ and Method 7 of 40 CFR Part 60, Appendix A for NO_x while the emissions unit is operating at or near maximum capacity, using only virgin aggregate and No. 2 oil as fuel for the dryer. For Method 5 the sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (0.04 gr/dscf).

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s) and dates(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 field office's refusal to accept the results of the emissions test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the emissions unit's operating parameters.

A comprehensive written report on the results of the emissions test(s) shall be submitted within 30 days following completion of the test(s).

2. Compliance with the emission limitation(s) in sections A.1. and A.2. of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation
Limit of 0.04 gr/dscf of particulate emissions in the exhaust gases from the stack.

Applicable Compliance Method

Compliance shall be determined by emission testing as specified in section E.1.

Emissions Limitation

Visible particulate emissions from any stack associated with this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

Emissions Limitation

Burning natural gas or No. 2 fuel oil

Nitrogen oxide emissions shall not exceed 5.63 lbs/hr and 3.75 tons/yr.

Applicable Compliance Method

Compliance shall be determined by emission testing as specified in section E.1.

Compliance with the annual limit shall be determined based upon the following formula:

$$E = A * B [1 \text{ ton} / 2,000 \text{ lbs}]$$

Where:

E = NOx emission rate in tons per year.

A = average emission rate in pounds NOx per ton of asphalt produced from the most recent performance stack test.

B = annual 12-month summation of asphalt produced (tons).

Emissions Limitation

Burning natural gas or No. 2 fuel oil

Carbon monoxide emissions shall not exceed 90 lbs/hr and 60 tons/yr.

Applicable Compliance Method

Compliance shall be determined by emission testing as specified in section E.1.

Compliance with the annual limit shall be determined based upon the following formula:

$$E = A * B [1 \text{ ton} / 2,000 \text{ lbs}]$$

Where:

E = CO emission rate in tons per year.

A = average emission rate in pounds CO per ton of asphalt produced from the most recent performance stack test.

B = annual 12-month summation of asphalt produced (tons).

Emissions Limitation

Burning natural gas or No. 2 fuel oil

PM/PM10 stack emissions shall not exceed 7.95 lbs/hr and 8.19 tons/yr.

Applicable Compliance Method

Compliance shall be determined by emission testing as specified in section E.1.

The TPY emission rate will be based on multiplying the short term lb/hr emission rate by the annual operating hours of the emissions unit.

Emissions Limitation

Burning natural gas or No. 2 fuel oil

VOC emissions shall not exceed 1.85 lbs/hr and 1.23 tons/yr.

Applicable Compliance Method

Compliance shall be determined by emission testing as specified in section E.1.

Compliance with the annual limit shall be determined based upon the following formula:

$$E = A * B [1 \text{ ton} / 2,000 \text{ lbs}]$$

Where:

E = VOC emission rate in tons per year.

A = average emission rate in pounds VOC per ton of asphalt produced from the most recent performance stack test.

B = annual 12-month summation of asphalt produced (tons).

Emissions Limitation

Burning natural gas

The sulfur dioxide (SO2) emissions shall not exceed 1.03 lbs/hr and 0.69 ton/yr.

Applicable Compliance Method(s)

Compliance shall be determined by emission testing as specified in section E.1.

Compliance with the annual limit shall be determined based upon the following formula:

$$E = A * B [1 \text{ ton} / 2,000 \text{ lbs}]$$

Where:

E = SO2 emission rate in tons per year.

A = average emission rate in pounds SO2 per ton of asphalt produced from the most recent performance stack test.

B = annual 12-month summation of asphalt produced (tons).

Emissions Limitation

Burning No. 2 fuel oil

The sulfur dioxide (SO2) emissions shall not exceed 24.85 lbs/hr and 25.6 tons/yr.

Applicable Compliance Method(s)

Compliance shall be determined by emission testing as specified in section E.1.

Compliance with the annual limit shall be determined based upon the following formula:

$$142(\% \text{ sulfur})\text{lb}/1000 \text{ gal}$$

$$142(0.5)\text{lb}/1000 \text{ gal}$$

Emissions Limitation

Visible particulate emissions of fugitive dust from this emissions unit shall not exceed twenty percent opacity, as a three-minute average.

Applicable Compliance Method(s) Compliance with the visible emission limitation for the aggregate handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Limitation

Fugitive PM emissions from aggregate material handling shall not exceed 12 tons/yr.

Applicable Compliance Method

Compliance shall be determined by calculations using the emission factor of 0.4 lb PM/ton of asphalt times 0.2 (80% control) times annual asphalt production.

Emissions Limitation

Fugitive PM10 emissions from aggregate material handling shall not exceed 1.2 tons/yr.

Applicable Compliance Method

Compliance shall be determined by calculations using the emission factor of 0.04 lb PM10/ton of asphalt from SCC 30500204 Cold Aggregate Handling times 0.2 (80% control) times annual asphalt production.

Emissions Limitation

SO2 emissions shall not exceed 25.6 TPY as a 12-month, rolling summation.

Applicable Compliance Method

Monitoring and recordkeeping of the fuel oil used as required in section C.8.

Emissions Limitation

CO emissions shall not exceed 60 TPY as a 12-month, rolling summation.

Applicable Compliance Method

Monitoring and recordkeeping of asphalt production as required in section C.2.

Emissions Limitation

VOC emissions shall not exceed 1.23 TPY as a 12-month, rolling summation.

Applicable Compliance Method

Monitoring and recordkeeping of asphalt production as required in section C.2.

Emissions Limitation

NOx emissions shall not exceed 3.75 TPY as a 12-month, rolling summation.

Applicable Compliance Method

Monitoring and recordkeeping of asphalt production as required in section C.2.

Emissions Limitation

Stack PM/PM10 emissions shall not exceed 25.6 TPY as a 12-month, rolling summation.

Applicable Compliance Method

Monitoring and recordkeeping of hours of operation as required in section C.1.

3. Compliance with the operational limitations of this permit shall be determined in accordance with the following methods:

Operational Limitation:

The maximum annual operating hours for this emissions unit shall not exceed 2,060 hrs, based upon a rolling, 12-month summation of the operating hours.

Applicable Compliance Method

Compliance shall be achieved based on the monitoring and recordkeeping as specified in section C.1.

Operational Limitation:

The maximum annual asphalt production for this emissions unit shall not exceed 300,000 tons per year based upon a rolling, 12-month summation of the production rates.

Applicable Compliance Method

Compliance shall be achieved based on the monitoring and recordkeeping as specified in section C.2.

Operational Limitation:

Fuel Usage:

The permittee shall combust, in this emissions unit, only natural gas or No. 2 fuel oil with no more than 0.5% sulfur content, by weight.

Applicable Compliance Method

Compliance shall be achieved based on the monitoring and recordkeeping as specified in section C.8.

F. **Miscellaneous Requirements**

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:
- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective PTI, permit to operate (PTO) or registration status;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Canton local air agency and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
 - d. in the Canton local air agency's and the appropriate field office's judgment, the proposed site is acceptable under the rule 3745-15-07 of the Ohio Administrative Code.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
- a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emissions unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where

the proposed site is located;

- f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days' written notice of the relocation.
3. Any site approvals issued by the Ohio EPA, pursuant to F.2. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Canton local air agency and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Canton local air agency and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the Canton local air agency and/or the appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

4. This source is subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days nor less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (Required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and

Canton City Health Department
Air Pollution Control Division
420 Market Avenue N.
Canton, OH 44702-1544

5. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.
6. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.