

Facility ID: 0857191337 Issuance type: Title V Preliminary 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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Facility ID: 0857191337 Issuance type: Title V Preliminary Proposed Permit

Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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Facility ID: 0857191337 Issuance type: Title V Preliminary Proposed Permit

b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:
 - F001: Roadways and Parking Areas
 - F002: Material Handling
 - F003: Briquetter Loadout Conveyor
 - F102: Clip Crusher/Hammermill
 - T001: No. 2 Fuel Oil 20,000 Gallon Storage Tank

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitation and/or control requirements contained within the Permit to Install for the emission unit.

[Go to Part III for Emissions Unit P901](#)

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

Facility ID: 0857191337 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

[Go to the top of this document](#)

Facility ID: 0857191337 Emissions Unit ID: P901 Issuance type: Title V Preliminary 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 de-oiling furnace/roll briquetter (The emissions from the furnace are vented to a thermal oxidizer and then to a baghouse. Emissions from the briquetter are vented to the same baghouse.)	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent, as a 6-minute average, from the stack, except as provided by rule.
material feed chute and roll briquetter	OAC rule 3745-17-11 (A)	41.3 lbs particulates/hr
	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	The material feed chute and roll briquetter shall be adequately enclosed and maintained with a negative pressure, and each enclosure shall be sufficient to minimize or eliminate emissions of fugitive dust at the points of capture.

2. Additional Terms and Conditions

- (a) None

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2.5 to 5.0 inches of water while the emissions unit is in operation.
2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

The most recent emissions test that demonstrated compliance was conducted on 28 July 1998, with an average combustion temperature of 1260 degrees Fahrenheit.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse 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 baghouse on a continuous basis.
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 stack serving this emissions unit and for any visible fugitive dust emissions emanating from the briquetter and the material feed chute. 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 eliminate the visible emissions.
3. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
- b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The quarterly deviation (excursion) reports shall be submitted in accordance with section A.1.c of the General Terms and Conditions.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible emissions from the stack serving this emissions unit and/or any visible fugitive dust emissions from the briquette and the material feed chute were observed and (b) describe any corrective actions taken to eliminate the visible 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.
3. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above. The quarterly deviation (excursion) reports shall be submitted in accordance with section A.1.c of the General Terms and Conditions.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

V. Testing Requirements

1. Compliance with the emission limitation in Section A.1. of these terms and conditions shall be determined in accordance with the following method:
 - a. Emission Limitation -
20 % opacity, as a 6-minute average

Applicable Compliance Method -
Compliance shall be based upon visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.
 - b. Emission Limitation -
41.3 lbs particulates/hour

Applicable Compliance Method -
Compliance shall be based upon the results of the stack tests required in section A.V.2.
 - c. Emission Limitation -
Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average

Applicable Compliance Method -
Compliance shall be based upon visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3).
2. 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 2.5 years after permit issuance and within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emissions rate for particulate emissions.
 - c. The emissions tests shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03.

d. The tests shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to assure that the emissions unit operation and 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 and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

VI. **Miscellaneous Requirements**

- 1. None

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

Facility ID: 0857191337 Issuance type: Title V Preliminary Proposed Permit

[Go to the top of this document](#)

Facility ID: 0857191337 Emissions Unit ID: P901 Issuance type: Title V Preliminary 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>
rotary de-oiling furnace/roll briquetter (The emissions from the furnace are vented to a thermal oxidizer and then to a baghouse. Emissions from the briquetter are vented to the same baghouse.)	OAC rule 3745-31-05 PTI No. 08-063	180.9 TPY particulates; 4.0 lbs/hr, 17.96 TPY organic compounds (OC), as carbon
2. Additional Terms and Conditions		See B.I.2.a & b.
a. The OC emissions from this emissions unit shall be vented, at all times, to a thermal incinerator. The destruction efficiency of the thermal incinerator shall reduce OC emissions such that 50% or more of the carbon in the organic emissions is incinerated.		
b. The permittee shall comply with the Preventative Maintenance and Malfunction Abatement Plan (PM&MAP) for this emissions unit submitted to the Regional Air Pollution Control Agency on April 14, 1993, and as may be subsequently amended and approved by RAPCA.		

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

II. **Operational Restrictions**

- 1. The maximum hourly feed rate for this emissions unit shall not exceed 35 tons.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

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

1. The permittee shall operate and maintain a baghouse leak detection system which continuously monitors and records the level of particles moving through the baghouse exhaust stack. The current baghouse leak detection system is a Continuous Particulate Monitor 2000 (CPM), any changes to the system requires prior notification to and approval from the Regional Air Pollution Control Agency. Based on manufacturer information and recommendations for the CPM, the recorded level at which a possible broken bag may occur is 31. Consequently, the CPM shall notify the operator when the level of particles moving through the baghouse exhaust stack is equal to or greater than the reference recording of 31.
2. The permittee shall collect and record the following information each day:
 - a. all times that the CPM records a number equal to or greater than 31;
 - b. the time intervals over which the CPM records a number equal to or greater than 31;
 - c. the cause of the detected baghouse leak; and
 - d. the corrective measures taken to prevent a recurrence.
3. The permittee shall collect and record, on an hourly basis, the amount of material fed into the de-oiling furnace.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

IV. Reporting Requirements

1. The permittee shall submit quarterly reports which summarize the daily records required in sections B.III.1 & 2. The quarterly reports shall be submitted in accordance with section B.2. of the General Terms and Conditions.
2. The permittee shall submit quarterly deviation (excursion) reports which identify any exceedance of the feed rate restriction of 35 tons/hr, as well as the corrective actions that were taken to achieve compliance.

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

V. Testing Requirements

1. Compliance with the emission limitation(s) in section B.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
180.9 tons per year particulates

Applicable Compliance Method-
The 180.9 TPY limitation was developed by multiplying the 41.3 lbs/hr limitation (see section A.I.1) by the maximum annual operating schedule of 8,760 hours, and dividing by 2000 lbs/ton. Therefore, provided that compliance is shown with the 41.3 lbs/hr limitation, compliance will also be shown with the annual limitation.
 - b. Emission Limitation-
4.0 pounds OC per hour

Applicable Compliance Method-
Compliance shall be based upon the results of the stack tests required in section B.2.
 - c. Emission Limitation-
17.96 tons OC per year

Applicable Compliance Method-
The 17.96 TPY limitation was developed by multiplying the 4.0 lbs/hr by the maximum annual operating schedule of 8,760 hours, and dividing by 2000 lbs/ton. Therefore, provided that compliance is shown with the 4.0 lbs/hr limitation, compliance will also be shown with the annual limitation.
2. 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 approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable OC emission rate and the control efficiency limitation, i.e., the percent reduction in mass emissions between the inlet and outlet of the control system.
 - c. The test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test method selected shall be based on consideration of the diversity or organic species present and their total concentration, and on consideration of the potential presence of interfering gases. The test(s) shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to assure that the emissions unit operation and testing procedures provide a valid characterization of the emissions unit. A comprehensive written report on the results of the emissions test(s) shall be signed and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

[Go to the top of this document](#)

[Go to the top of Part III for this Emissions Unit](#)

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

VI. **Miscellaneous Requirements**

1. None