

Facility ID: 0278080779 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](#)
- [Go to Part II for Emissions Unit F002](#)
- [Go to Part II for Emissions Unit T001](#)

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Facility ID: 0278080779 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 - transfer of bulk solids between rail cars and trucks portable conveyors with dust collectors	OAC rule 3745-31-05(A)(3) (PTI No. 02-16802)	Particulate emissions (PE) shall not exceed 3.7 pounds per hour and 16.0 tons per year.
	OAC rule 3745-17-07(B)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-07(B). Visible fugitive PE shall not exceed 20 percent opacity as a 3-minute average, except as provided by the rule.
	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20 percent opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from the stack(s) and fugitive egress point(s) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident; and
 - d. any corrective action(s) taken to eliminate the visible emissions.

D. Reporting Requirements

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

E. Testing Requirements

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

Emission Limitation:
20% opacity, as a 3-minute average

Applicable Compliance Method:
Compliance with the visible emission limitation for the fugitive particulate emissions 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) and (B)(3)(b) of OAC rule 3745-17-03.

Emission Limitation:
20% opacity, as a 6-minute average

Applicable Compliance Method:
Compliance with the visible emission limitation for the stack emissions 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.

Emission Limitations:
3.7 lb/hr and 16.0 ton/yr PE

Applicable Compliance Method:
Compliance shall be based on a one time calculation by using emission factors from AP-42, Section 11.17 (2/98) for product loading (0.61 lb/ton loaded), and the maximum unloading rate of 60 tons per hour.

$E(PE) = 0.61 \text{ lb/ton} \times 60 \text{ ton/hr} \times \text{control efficiency}$,

where control efficiency is estimated at 90% or (1-.90 for formula).

Tons per year is determined by multiplying E(PE) total in lbs/hr by 8760 hr/yr and dividing by 2000 lbs/ton.

If required, compliance with the hourly emission limitation shall be demonstrated through emission testing in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1-5.

F. Miscellaneous Requirements

1. None

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Facility ID: 0278080779 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 - transfer of bulk solids between rail cars and truck trailers using cranes, backhoes, front end/bucket loaders (construction and demolition waste)	OAC rule 3745-31-05(A)(3) (PTI No. 02-16802)	Particulate emissions (PE) shall not exceed 6.3 ton per year.
		Visible particulate emissions from material handling shall not exceed 6 minutes during any 60-minute observation 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.d)
	OAC rule 3745-17-07 (B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-17-08 (B)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- (a) The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

the load out of rail cars

the load in of trucks

The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s):

the load out of rail cars, the load in of trucks

control measure(s):

the use of water dust suppression to control dust emissions during the unloading of rail cars and the loading of trucks, and minimizing drop height distance to truck bed

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

For each material handling operation that is not adequately enclosed, the above-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) is unnecessary.

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.

B. **Operational Restrictions**

1. There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.
2. The following asbestos requirements are to be met:

The facility shall not accept or dispose of any National Emission Standards for Hazardous Air Pollutants (NESHAP) Regulated Asbestos Containing Material (RACM) as defined in the NESHAP Regulation for Asbestos, 40 CFR Part 61, Subpart M, Section 141 amended June 19, 1995, or in any subsequent revisions or as defined in any Environmental Protection Agency Interpretive Rules concerning the NESHAP Regulation for Asbestos. This includes: (a) friable asbestos material, (b) category I nonfriable asbestos containing material that has become friable, (c) category I nonfriable asbestos containing material that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) category II nonfriable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

3. This facility shall be limited to accepting, only construction and demolition debris (C&DD) material as defined in Ohio Revised Code 3714.01(C).
4. The need for implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the water suppression control system shall not be necessary during the winter freezing period (typically December through February). During these periods, the permittee shall employ other methods for fugitive dust control, including but not limited to minimizing material drop height and slowing the unloading and loading process.

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

1. The permittee shall maintain daily records of the following information:
 - a. the number of rail cars unloaded;
 - b. the number of trucks loaded; and
 - c. the approximate weight of material transfer from rail cars to trucks, in tons per day.
2. Except as otherwise provided in this section, the permittee shall perform inspections of each rail car load out operation and each truck trailer load in operation in accordance with the following minimum frequencies:

Material Location Minimum Inspection Frequency

load out of rail car C&D material daily

load in of truck trailer C&D material daily

More frequent inspections may be necessary, if the characteristics (such as, dryness, amount of fines, sizing or composition) of the C&D material changes.

3. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for the transfer of C&D materials from rail cars to truck trailers. The inspections shall be performed during representative, normal operating conditions. If the characteristics of the C&D material change during the day,

such that fugitive emissions are noted, control measures shall be implemented.

4. The permittee shall perform daily inspections when the emissions unit is in operation and when conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., rail cars, truck trailers, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. The permittee shall also note the following in the operations log:
 - a. the presence or absence of any visible fugitive emissions shall be noted;
 - b. if visible emissions are observed, the permittee shall also note the following:
 - i. whether the emissions are representative of normal operations;
 - ii. if the emissions are not representative of normal operations, the cause of the abnormal emissions; and
 - iii. the total duration of any non representative visible emission incident.
 - c. the date and reason any required inspection was not performed;
 - d. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - e. the dates the control measure(s) was (were) implemented; and
 - f. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, 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 an annual report that summarizes the following:
 - a. the number of rail cars unloaded;
 - b. the number of trucks loaded; and
 - c. the approximate weight of material transfer from rail cars to trucks, in tons per year.
2. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. all days during which any non representative visible fugitive particulate emissions were observed from this emissions unit;
 - b. any corrective actions taken to minimize or eliminate the non representative visible fugitive particulate emissions;
 - c. each day during which an inspection was not performed by the required frequency; and
 - d. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
3. 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):
Emission Limitation:
Visible emissions shall not exceed 6 minutes during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible emissions limitations for material handling 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)(c) of OAC rule 3745-17-03.

Emission Limitation:

6.28 tons per year of PE

Applicable Compliance Method:

Compliance shall be based on the following calculation using AP-42 Chapter 13.2.4.2, equation 1 (January 1995):

$$E = k \times (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4} \times 4 \text{ lb/tons of ton of material loaded}$$

Where:

k is a constant, 0.74 for PE

U is the mean wind speed for the area (15)

M is the moisture content (estimated at 4.0)

4 is for 4 load points, 2 loading areas each with load out and load in.

$$E = 0.0148 \text{ lb/ton of material loaded}$$

$$E(\text{annual}) = 0.0148 \text{ lb/ton} \times \text{annual weight of material transfer from railcars to trucks from C.1.}$$

F. Miscellaneous Requirements

1. None

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Facility ID: 0278080779 Emissions Unit ID: T001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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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>
T001 - bulk organic liquid transfer between rail cars and tanker trucks using submerged fill	OAC rule 3745-31-05(A)(3) (PTI No. 02-16802)	9 TPY of organic compound (OC) emissions See B.1, B.2, and B.3.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The transfer of any organic liquid from a delivery vessel to a receiving vessel or tank shall be conducted by use of submerged fill into the receiving vessel or tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the receiving vessel or tank.
2. The organic liquid material transferred per year shall not exceed three (3) million gallons.
3. The vapor pressure of any organic liquid material transferred at this emissions unit shall not exceed 2.0 pounds per square inch absolute.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of the following information:
 The types of organic liquids transferred in this emissions unit.
 The annual throughput of any organic liquids transferred in this emissions unit.
 The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each organic liquid transferred in this emissions unit that has a maximum true vapor pressure greater than 2.0 pounds per square inch absolute.

D. Reporting Requirements

1. If the permittee transfers any organic liquids with a true vapor pressure which is greater than 2.0 pounds per square inch absolute, the permittee shall notify the Director (the Ohio EPA, Northeast District Office) within 30 days of the occurrence.
2. The permittee shall also submit annual reports that specify the throughput of any organic liquids transferred in this emissions unit, and the total organic compound emissions from this emissions unit, for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emissions limitation in Section A.1 of these terms and conditions shall be determined in accordance with the following method:
 Emission Limitation:
 9.0 TPY OC

Applicable Compliance Method:

Compliance shall be based on a calculation using an emission factor formula from AP-42, Sec. 5.2:

$$L = 12.46(P \times M \times S/T), \text{ where } L = \text{lb OC/ 1000 gal material transferred}$$

S = 1, factor for submerged file from Sec. 5.2

P = true vapor pressure in pounds per square inch absolute, a maximum of 2.0 is allowed

M = molecular weight, assume 130 for worst case

T = temperature, assume 540 degrees F for an average

L = 6.0 lbs OC/ 1000 gal, based on the above calculation

Annual emissions are determined by multiplying (L) by the annual throughput of any organic liquids transferred in this emissions unit from C.1 above.

F. **Miscellaneous Requirements**

1. None