Facility ID: 0812090531 Issuance type: Final State Permit To Operate

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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.

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

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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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Construction and Demolition Landfill	OAC rule 3745-31-05(A)(3) PTI 08-3342	Use of reasonably available control measures, as defined in the "additional terms and conditions" section, to minimize or eliminate the emissions of fugitive dust.(See Sections A.2.a. through A.2.d) visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.
unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3) PTI 08-3342	0.43 ton/yr of particulate matter no visible particulate 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.e through A.2.k)

2. **Additional Terms and Conditions**

   (a) All vehicles hauling construction and demolition (C&D) materials shall be closed, covered or tarped when coming to or leaving the facility in order to minimize visible particulate emissions of fugitive dust and to eliminate load loss.
   The permittee shall ensure C&D materials are deposited, spread and compacted in such a manner as to minimize or prevent visible particulate emissions of fugitive dust.
   When dumping C&D materials, the permittee shall implement the following procedures:

   i. Any loads which appear to contain dusty C&D materials shall be watered prior to dumping of the load.

   ii. No dusty C&D materials shall be dumped during periods of high wind speed, unless they have been treated to prevent them from becoming airborne.

   iii. The permittee shall ensure that all truckloads of C&D materials are unloaded in a manner which will minimize the drop height of the C&D materials and are dumped as near to the point of final placement as possible.

   iv. During the dumping of any load of C&D materials, in which dusty C&D materials become airborne, the C&D materials shall be watered as necessary to minimize visible particulate emissions of fugitive dust.
   When handling and stockpiling C&D materials and/or cover materials, the permittee shall implement the following procedures:

   i. Any dusty C&D materials to be stored prior to disposal, shall be watered, as necessary, or have a temporary soil cover. All exposed C&D materials shall be covered with cover materials by the end of each week's operation. To minimize handling of the C&D materials, spreading and compacting shall occur in one operation.

   ii. The permittee shall minimize the handling and the stockpiling of cover materials, except for top soil. Unvegetated cover materials and soil in the waste disposal area must be periodically wetted with water

and shall be handled in such a manner as to minimize or eliminate visible particulate emissions of fugitive dust. The frequency and amounts of this water application will depend on weather conditions, cover material conditions, and soil conditions.

iii. The visible particulate emissions of fugitive dust from C&D material handling and covering operations described in these terms and conditions shall not exceed twenty percent (20%) opacity as a three-minute average, determined using USEPA Method 9 as specified in OAC rule 3745-17-03(B).
The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

all

unpaved parking areas:

all
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 watering 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.
Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using watering. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
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.

B. **Operational Restrictions**

1. The permittee shall not accept for disposal any NESHAP Regulated Asbestos Containing Material (RACM) as defined in the NESHAP for Asbestos, 40 CFR, Part 61, Subpart M, section 141 amended 11/20/90 or any subsequent revisions. This regulation defines RACM as "(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." In addition, the permittee shall not accept for disposal any Category II nonfriable asbestos containing material. For asbestos materials, the permittee shall be limited to accepting Category I nonfriable asbestos containing material that has not or will not be subjected to sanding, grinding, cutting, or abrading. The permittee shall ensure that any Category I nonfriable asbestos containing material which has not or will not be subjected to sanding, grinding, cutting, or abrading shall not become friable during processing at the landfill. Any asbestos containing material that is or becomes friable is subject to the above-mentioned NESHAP regulation. (All terms stated in this term and condition are as defined in 40 CFR 61.141 amended 11/20/90, or any subsequent revisions.)

2. There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.

3. This facility shall be limited to accepting only C&D material as defined in Ohio Revised Code 3714.01(C).

4. The permittee shall have posted speed limit signs identifying 10 miles per hour as the maximum on-site speed limit.

5. Used oil as defined by OAC rule 3745-279-01(A)(12) shall not be used as a dust suppressant.

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

1. The permittee shall maintain records of the volume of materials received each day. These records shall be maintained for a period of not less than five years, and the records shall be available for review by the Director or his representative during normal business hours.

2. A record of water applications required by these terms and conditions shall be maintained at the facility site for a period of not less than five years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

3. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

unpaved roadways minimum inspection frequency

all daily

unpaved parking areas minimum inspection frequency

all daily

4. 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.

5. 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.

6. The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and 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 6.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 deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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

E. **Testing Requirements**

1. Compliance Method

Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
Emission Limitations:
0.45 ton/yr PE

Applicable Compliance Method:
Compliance shall be determined based on the one-time calculation using the AP-42 Chapter 13.2.2 (9/98) equation below:

E = [k*(s/12)^a * (W/3)^b / (M/0.2)^c] *[(365-p)/365]*VMT*(1ton/2000 lbs)*(1 - CE)

E = the particulate emission factor lb/vehicle mile traveled (vmt)
k = AP-42 constant
s = the silt load (Table 13.2.2-1 (9/98))
a = a unitless AP-42 constant
W = the mean vehicle weight
b = a unitless AP-42 constant
M = the dry material moisture content, using the AP-42 default value of 0.2
c = a unitless AP-42 constant
p = the number of days with greater than 0.01 inches of precipitation,
CE = control efficiency
Emission Limitation-
20 percent opacity, as a 3-minute average

Applicable Compliance Method-
Compliance with the visible emissions limitation for the material handling operations 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.
Emission Limitation-
No visible emissions particulate emissions except for three minute 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