



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

**RE: DRAFT PERMIT TO INSTALL
SUMMIT COUNTY**

CERTIFIED MAIL

Application No: 16-02266

DATE: 1/23/2003

Alden CD LLC
Shawn Ensign
2504 Northampton Rd
Cuyahoga Falls, OH 44223

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$600** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

ARAQMD

Akron Metropolitan Area Transportation Study

WV

PA



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL

16-02266

Application Number: 16-02266
APS Premise Number: 1677050127
Permit Fee: **To be entered upon final issuance**
Name of Facility: Alden CD LLC
Person to Contact: Shawn Ensign
Address: 2504 Northampton Rd
Cuyahoga Falls, OH 44223

Location of proposed air contaminant source(s) [emissions unit(s)]:
**2504 Northampton Rd
Cuyahoga Falls, Ohio**

Description of proposed emissions unit(s):
Construction and Demolition Debris Landfill, Roadways and Parking, Material Handling, Storage Piles.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable. This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

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Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this

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permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and

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application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing

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operation of the emissions units covered by this permit. However, if the proposed new or modified

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source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
Particulate Emissions	42.3
PM-10	7.9

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for 3 minutes during any 60-minute period 7.45 tons/year of particulate matter best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.g) See term B.1.
	OAC rule 3745-17-07 (B)(5)	less stringent than the above-mentioned visible emission limitation.
	OAC rule 3745-17-08 (B)(2)	less stringent than the above-mentioned control measure requirements.

2. Additional Terms and Conditions

- 2.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 and Entrance Road

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- 2.b** The permittee shall employ best available control measures on all 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 roadways and parking areas with ample water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** 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.
- 2.d** 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 appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** 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.
- 2.f** 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.
- 2.g** 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

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1. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
2. Waste or used oil shall not be used for controlling fugitive dust emissions from any roadways/parking areas at this facility.

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C. Monitoring and/or Recordkeeping Requirements

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

<u>unpaved roadways/parking areas</u>	<u>minimum inspection frequency</u>
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Haul Road	daily
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<u>unpaved roadways/parking areas</u>	<u>minimum inspection frequency</u>
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Entrance Road	daily
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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 appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, 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.

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The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

5. The permittee shall maintain the following yearly records:
 - a. the total yearly vehicle miles traveled (VMT) on unpaved roadways and parking areas for 12-tire vehicles; and
 - b. the total yearly VMT on unpaved roadways and parking areas for 4-tire vehicles.

D. Reporting Requirements

1. The permittee shall submit annual 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 above deviation reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 of each year, in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the visible particulate emission limitations for 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.
2. Compliance with the mass particulate emission limitation for the unpaved roadways and parking areas identified above shall be based on the record keeping requirements of section C.5 of these special terms and conditions and the following emission equation:

$$E = [(EF4)(VMT4) + (EF12)(VMT12)](1 \text{ ton}/2000 \text{ pounds}),$$

where:

E = total yearly mass particulate emissions from unpaved roadways and parking areas, in tons/year;

EF4 = emission factor for 4-tire vehicles on unpaved roadways and parking areas, in pounds of particulates/vehicle mile traveled;

EF12 = emission factor for 12-tire vehicles on unpaved roadways and parking areas, in pounds of particulates/vehicle mile traveled;

VMT4 = total yearly vehicle miles traveled by 4-tire vehicles on unpaved roadways and parking areas; and

VMT12 = total yearly vehicle miles traveled by 12-tire vehicles on unpaved roadways and parking areas.

Per application data, the mass particulate emissions limitation of 7.45 tons/year for the unpaved roadways and parking areas identified above was established using the above emission equation with the following assignments:

EF4 = 1.16 pounds of particulates/vehicle mile traveled for 4-tire vehicles on unpaved roadways and parking areas;

EF12 = 1.73 pounds of particulates/vehicle mile traveled for 12-tire vehicles on unpaved roadways and parking areas;

VMT4 = 1245 total yearly 4-tire vehicles miles traveled on unpaved roadways and parking areas; and

VMT12 = 7770 total yearly 12-tire vehicles miles traveled on unpaved roadways and parking areas.

F. Miscellaneous Requirements

1. None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	piles.(see Section A.2.a for identification of storage piles)	<u>Applicable Rules/Requirements</u>
F002 - construction, demolition, debris landfill - - material handling, earth moving equipment and truck loading and unloading operations.	wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)
	load-in and load-out of storage piles, and wind erosion from storage piles.	OAC rule 3745-17-07 (B)(1)
		OAC rule 3745-17-08 (B)
load-in and load-out of storage		OAC rule 3745-31-01(A)(3)

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	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-31-01(A)(3)	<p>The total particulate emissions from all material handling systems including storage piles shall not exceed 7.25 tons per year.</p> <p>Fugitive dust emissions shall not exceed ten percent opacity as a three-minute average.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.d, A.2.e, and A.2.j).</p> <p>Less stringent than, or equal in stringency to, the above-mentioned visible emission limitation.</p>	<p>No visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.h through A.2.j).</p> <p>Less stringent than the above-mentioned control requirements.</p>
OAC rule 3745-17-07 (B)(6) OAC rule 3745-17-08 (B)(6)	<p>Less stringent than, or equal in stringency to, the above-mentioned control measure requirements.</p> <p>No visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.f, A.2.g, and A.2.j).</p>	

2. Additional Terms and Conditions

- 2.a** All vehicles hauling construction, demolition, and debris (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 to eliminate load loss.
- 2.b** 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.
- i. When dumping C&D materials, the permittee shall implement the following procedures:
- (a) Any loads which appear to contain dusty C&D materials shall be watered prior to dumping of the load.
 - (b) 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.
 - (c) 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.

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- (d) 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.
 - ii. When handling and stockpiling C&D materials and/or cover materials, the permittee shall implement the following procedures:
 - (a) 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.
 - (b) 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.
- 2.c The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

load in/out of storage piles and wind erosion from storage piles and heavy earthwork from processing of solid waste - - construction, demolition and debris (C&D) at the landfill.
- 2.d 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 treat each applicable above-mentioned material handling operation with water to ensure compliance. Watering shall be conducted in such a manner as to avoid pooling of liquids and runoff.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e For each material handling operation that is not adequately enclosed, the above-identified

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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

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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.

- 2.f** 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 watering to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g** The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.h** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.i** The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the 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.
- 2.j** 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.
- 2.k** Pursuant to the authority in OAC rule 3745-77-07(C)(2) or ORC section 3704.03(L), any representative of the Director may, upon presentation of proper identification, enter at any

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reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records

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or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

B. Operational Restrictions

1. The permittee shall ensure that solid wastes are deposited, spread and compacted in such a manner as to minimize or prevent visible emissions of dust. All truckloads of solid waste shall be unloaded in a manner which will minimize the drop height of the solid wastes. Any dusty materials or wastes likely to become airborne shall be watered as necessary prior to or during dumping operations in order to minimize or eliminate visible emissions of fugitive dust. Watering shall be conducted in such a manner as to avoid the pooling of liquids and runoff. No dusty material shall be dumped during periods of high wind speed, unless the material has been treated to prevent fugitive dust emissions from becoming airborne.
2. In addition to the waste materials not included in "construction and demolition debris," as defined in OAC 3745-40-01 (F), "asbestos-containing waste materials," as defined in OAC 3745-20-01 (B)(4) shall not be accepted for disposal by the permittee.
3. There shall be no open burning in violation of OAC chapter 3745-19 at this facility.
4. This facility shall be limited to accepting only C&D debris as defined in Ohio Revised Code 3714.01 (C) and limited to accepting no more than 175,000 tons of C&D debris per calendar year.
5. Based on the assumed density of 1,000 pounds per cubic yard of as-received material, the facility shall be limited to 350,000 cubic yards of C&D debris per year.
6. This facility shall be limited to the use of a maximum 1.0 acre of landfill face and 2.0 acres of soil borrow per calendar year for disposing of received C&D debris.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)

minimum inspection frequency

truck load in/out; earth moving equipment, daily
and wind erosion of storage piles

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. 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.
4. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
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;
 - 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 6.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.

7. The permittee shall maintain records, which include the volume of C&D debris received per day and per calendar year on an as-received basis, in cubic yards.

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D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The permittee shall submit annual deviation (excursion) reports which identify each calendar year during which the volume of C&D debris accepted exceeded 500,000 cubic yards on an as-received basis.
3. The above deviation reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 of each year, in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period 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.
2. Compliance with ten percent opacity as a three-minute average for fugitive dust 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)(a) and (B)(3)(b) of OAC rule 3745-17-03.
3. Compliance with the 7.25 tons/year of total particulate emissions from all material handling systems shall be determined in accordance with the following method:

The following material handling activities with the corresponding emission factor (EF) are listed:

Storage Piles: EF = 0.28 pound of particulates per ton of material stored;

Heavy Earthwork: EF = 1.2 tons of particulates per acre of land exposed to construction per month of construction activity;

Unloading: EF = 0.02 pound of particulates per ton of material unloaded; and

Wind Erosion: EF = 0.019 ton of particulates per acre of exposed barren land per year.

To determine annual particulate emissions from each of the above material handling activities, the following equations shall be used:

Storage Piles Emissions = $[0.28 \times (\text{tons of material in storage piles per year})]/2000$;

Heavy Earthwork Emissions = $1.2 \times (\text{acres of land exposed to construction per month of construction activity}) \times 12$;

Unloading Emissions = $[0.02 \times (\text{tons of material unloaded per year})]/2000$; and

Wind Erosion Emissions = $0.019 \times (\text{acres of exposed barren land per year})$.

To determine annual total particulate emissions from all material handling activities, sum the annual particulate emissions from all the above material handling emissions equations.

The above emission factors were derived from the procedures in RACM, Sections 2.1.2 - 4.

F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	storage piles.	<u>Applicable Rules/Requirements</u>
F003 - storage piles, cover material stockpile. (see Section A.2.b for identification of storage piles)		OAC rule 3745-31-05(A)(3)
wind erosion from storage piles (see Section A.2.b for identification of storage piles)		OAC rule 3745-31-05(A)(3)
load-in and load-out of the storage piles, and wind erosion from		OAC rule 3745-17-07(B)(6) OAC rule 3745-17-08(B)(6)

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Applicable Emissions
Limitations/Control Measures

7.9 tons/ year of PM-10 emissions.
See A.2.a below.

28.80 tons/ year of particulates
emissions. See A.2.a below.

No visible emissions except for one
minute in any hour.

Best available control measures
that are sufficient to minimize or
eliminate visible emissions of
fugitive dust (see Sections A.2.c,
A.2.d and A.2.g).

No visible emissions except for one
minute in any hour

Best available control measures
that are sufficient to minimize or
eliminate visible emissions of
fugitive dust (see Sections A.2.e
through A.2.g).

See 2.h below.

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2. Additional Terms and Conditions

2.a The PM-10 and particulate annual emissions limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

2.b The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

<u>storage pile identification</u>	<u>number of separate piles</u>
cover material stockpile(s)	varies

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

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

2.e The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

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- 2.g Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05 (A).
- 2.h The requirements of this rule are less stringent or equal to the requirements established under OAC 3745-31-05(A).

B. Operational Restrictions

This facility shall be limited to the use of a maximum 1.0 acre of landfill face and 2.0 acres of soil borrow per calendar year for disposing of received C&D debris.

C. Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
cover material stockpile(s)	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
cover material stockpile(s)	daily

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

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
cover material stockpile(s)	daily

- 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile

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is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the 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 the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

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

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 with the visible emission limitations for the storage piles, and load-in, load-out operations 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.
2. 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):

a. Emission Limitation:

7.9 ton/ year PM-10

Applicable Compliance Method:

The PM-10 emissions are estimated to be 27.4% of the total particulate emissions based on AP-42 assumptions.

b. Emission Limitation:

28.8 ton/ year particulates

Applicable Compliance Method:

Multiply the AP-42 (9/98) (Chapter 13.2.2, Equation 2) derived emission factor of: 1.2 ton PE per acre-month of overburden stock pile by the total amount of overburden in total acre-months per year.

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The above emission factor were developed without considering implementation of fugitive dust control measures.

F. Miscellaneous Requirements

None