



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
STARK COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 15-01520

DATE: 12/12/2002

Ohio Transfer LTD Nimishillen Ind. Park
Tim Custer
3707 Tulane Road
Louisville, OH 44641

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

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

cc: USEPA

Canton LAA



Permit To Install
Terms and Conditions

Issue Date: 12/12/2002
Effective Date: 12/12/2002

FINAL PERMIT TO INSTALL 15-01520

Application Number: 15-01520
APS Premise Number: 1576001918
Permit Fee: **\$1000**
Name of Facility: Ohio Transfer LTD Nimishillen Ind. Park
Person to Contact: Tim Custer
Address: 3707 Tulane Road
Louisville, OH 44641

Location of proposed air contaminant source(s) [emissions unit(s)]:
3707 Tulane Road
Nimishillen Twp., Ohio

Description of proposed emissions unit(s):
Roadways, material handling and 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

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 permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

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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 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

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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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(s) covered by this permit.

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Emissions Unit ID: F001

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>
PM	17.94

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>	OAC rule 3745-17-07(B)(7)(a)(ii)
F001 - Roadways and Parking Areas	OAC rule 3745-31-05(A)(3)	
Appendix A Area		OAC rule 3745-17-08(B), (B)(2)
	OAC rule 3745-31-05 (A)(3)	
Paved roadways and parking areas (see Section A.2.a)		OAC rule 3745-17-07(B)(7)(a)(ii)
		OAC rule 3745-17-08(B), (B)(2)
	OAC rule 3745-31-05 (A)(3)	
Unpaved roadways and parking areas (see Section A.2.b)		

Ohio ¶**PTI A****Issued: 12/12/2002**Emissions Unit ID: **F001**

Applicable Emissions
Limitations/Control Measures

Particulate emissions shall not exceed 15.72 tons per year.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B), (B)(2).

No visible particulate emissions except for one minute during any 60-minute period.

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

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

No visible particulate emissions except for 3 minutes during any 60-minute period.

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

Best available control measures

that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.e, A.2.f, A.2.g, A.2.i, and A.2.j).

2. Additional Terms and Conditions

- 2.a** The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways and parking areas:

Access road(s)
Employee parking area

- 2.b** The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadway and parking areas:

Access road(s)

- 2.c** The permittee shall employ best available control measures on all paved 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 paved roadways and parking areas by watering and sweeping with sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d** The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways 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 shoulders of all paved roadways with 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.e** 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 water and chemical dust suppressants at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** The needed frequencies of implementation of the control measures shall be determined by

Emissions Unit ID: F001

the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or 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.g 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 with the control measure(s) specified above 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 the visible emission limitation for paved roadways and parking areas.
- 2.h 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.i 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.j 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

None

C. Monitoring and/or Recordkeeping Requirements

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

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
Access road	Daily

unpaved roadways and parking areas

minimum inspection frequency

Access roads

Daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one day.
3. The permittee shall maintain daily 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 3.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, 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 semiannual 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

Emissions Unit ID: F001

- 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 emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emissions Limitation:

Particulate emissions shall not exceed 15.72 tons per year for roadways and parking areas.

Applicable Compliance Method:

Compliance shall be demonstrated by summing emissions from paved and unpaved roadways and parking areas.

Using draft edition (2001) the emission factor equation for paved roadways (AP-42 13.2.1): $E = k (sL/2)^{0.65} (W/3)^{1.5}$.

Using draft edition (2001) the emission factor equation for unpaved roadways AP-42 13.2.2-3 equation 1a: $E = [k (s/12)^a (W/3)^b]$ and $E_{ext} = E[(365-140)/365]$.

These equations yield the emission factors that are multiplied by the total maximum vehicle miles traveled on both the paved and unpaved roadways and then divided by 2,000 lbs/ton. Finally, add the tons/yr of each of the paved and unpaved roadways to get the total tons per year.

Paved Roads

Average emissions all vehicles

$$E = K(sL/2)^{0.65} (W/3)^{1.5}$$

$$E = 0.082(7.4/2)^{0.65} (23.06/3)^{1.5}$$

$$E = 3.67 \text{ lbs/vmt}$$

Estimated percent reduction = 75%

$$3.67 \text{ lbs/vmt} \times 0.25 = 0.92 \text{ lb/vmt}$$

$$0.92 \text{ lb/vmt} \times 31,908 \text{ vmt/yr} \times 1 \text{ ton}/2000 \text{ lbs} = 14.64 \text{ tons PE/yr}$$

Unpaved Roads

$$E = K(s/12)^a (W/3)^b / (M/0.2)^c \times [(365-p)/365]$$

$$E = 4.9(6.4/12)^{0.9} (23.06/3)^{0.45} / (10/0.2) \times [365-150]/365]$$

$$E = 0.97 \text{ lb/vmt uncontrolled emissions from unpaved roads}$$

Estimated percent reduction = 75%

$0.97 \text{ lb/vmt} \times 0.25 = 0.24 \text{ lb/vmt}$

$0.24 \text{ lb/vmt} \times 8,870 \text{ vmt/yr} \times 1 \text{ ton}/2,000 \text{ lbs} = 1.08 \text{ ton PE/y}$

Total = Paved + Unpaved
 $15.72 \text{ tons/yr} = 1.08 \text{ tons/yr} + 14.64 \text{ tons/yr}$

b. Emissions Limitations

No visible particulate emissions except for one minute during any 60-minute period for paved roads and parking areas.

Applicable Compliance Method

Compliance with the emission limitation for the paved roadways, yard areas 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.

c. Emissions Limitations

No visible particulate emissions except for three minutes during any 60-minute period for unpaved roads and parking areas.

Applicable Compliance Method

Compliance with the emission limitation for the paved roadways, yard areas 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

None

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>
F002 - Unloading of construction demolition debris (C&D), petroleum contaminated soils, auto shredder refuse, miscellaneous waste and non-waste materials from railcars and then loading into trucks. (See Section A.2.a.) Appendix A Area	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B)(7)(a)(ii) OAC rule 3745-17-08(B), (B)(2)	The particulate emissions shall not exceed 1.93 tons/yr. Visible particulate emissions of fugitive dust shall not exceed 10% opacity, as a three-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B), (B)(2). The emission limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). Best available control measures shall be employed that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d).

2. Additional Terms and Conditions

Emissions Unit ID: F002

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

construction demolition debris (C&D), petroleum contaminated soils, auto shredder refuse, miscellaneous waste and non-waste materials*.

*Miscellaneous waste and non-waste materials may include but are not limited to: dredging, municipal solid waste, granular materials, coal, cement, scrap steel, fly and incinerator ash materials, uncontaminated soils, shredded or whole tires (transfer only, no storage), railroad ties and other waste/non-waste materials that are approved for acceptance and transfer at the facility.

2.b 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)

control measure(s)

All

Wet suppression and minimize drop height

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

2.c 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.

2.d 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 rule 3745-31-05.

B. Operational Restrictions

1. All vehicles hauling 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.

2. When unloading materials, the permittee shall implement the following procedures:
 - a. any loads which appear to contain dusty materials shall be watered prior to unloading;
 - b. no dusty materials shall be unloaded during periods of high wind speed, unless they have been treated to prevent them from becoming airborne;
 - c. the permittee shall ensure that the loading of materials into trucks shall be done in a manner which will minimize the drop height of the materials;
 - d. during the unloading of any load of materials, in which dusty materials become airborne, the materials shall be watered as necessary to minimize visible particulate emissions of fugitive dust; and
 - e. all material shall be inspected prior to unloading to assure no undesirable materials are included in the shipment. No asbestos or hazardous materials shall be accepted, handled, or transferred.
3. When handling materials, the permittee shall implement the following procedures:
 - a. 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 three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours; and
 - b. the visible particulate emissions of fugitive dust from material handling described in these terms and conditions shall not exceed ten percent (10%) opacity, as a three-minute average, determined by using USEPA Method 9 as specified by OAC rule 3745-17-03(B).
4. This facility shall be limited to transferring no more than 1,547,500 tons per calendar year of any materials.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records in a bound logbook of the following information, and these records shall be maintained at the facility site by the permittee 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:

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- a. the amount of materials in tons transferred; and
- b. a record of water applications required by Term and Condition B.3.a.

D. Reporting Requirements

1. The permittee shall notify the Canton local air agency of any Method 9 evaluation that did not demonstrate compliance with the opacity limitation specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Canton local air agency within 30 days after the exceedance occurs.
2. The permittee shall submit annual reports to the Canton local air agency identifying the amount of material in tons transferred at this facility. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

Visible particulate emissions of fugitive dust shall not exceed 10% opacity, as a three-minute average.

Applicable Compliance Method:

Compliance with the above visible emission limitation shall be determined by USEPA's Reference Method 9 in 40 CFR, Part 60, Appendix A.

b. Emissions Limitation:

Particulate emissions shall not exceed 1.93 tons/yr.

Applicable Compliance Method:

Compliance with the above annual particulate emission limitation shall be determined using the emission factors for truck dumping operations in AP-42, Chapter 13.2.4 (Aggregate Handling and Storage Piles), Fifth Edition, dated 1/1995.

F. Miscellaneous Requirements

None

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>
F003 - Storage piles Appendix A Area	OAC rule 3745-31-05(A)(3) Wind erosion from storage piles (see Section A.2.a for identification of storage piles)
Load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B)(7)(a)(ii)
	OAC rule 3745-17-08(B), (B)(2)

Applicable Emissions
Limitations/Control Measures

eliminate visible emissions of fugitive dust (see Sections A.2.a, A.2.d, A.2.e and A.2.f).

OAC rule 3745-31-05(A)(3)

Particulate emissions from all storage piles and material handling shall not exceed 0.29 ton per year.

OAC rule 3745-17-07(B)(7)(a)(ii)

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B), (B)(2).

OAC rule 3745-17-08(B), (B)(2)

No visible emissions except for one minute in any hour.

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

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

No visible emissions except for one minute in any hour.

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

Best available control measures that are sufficient to minimize or

2. Additional Terms and Conditions

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

All storage piles

- 2.b** 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 shall minimize drop height and pile height to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** 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.d** 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 minimize storage pile height to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** 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.f** 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 rule 3745-31-05.

B. Operational Restrictions

None

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>
All storage piles	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>
All storage piles	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>
All storage piles	Daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures

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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 Canton local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain daily 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 semiannual 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 emission limitations specified in section A.I of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

Particulate emissions from all storage piles shall not exceed 0.29 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by employing the emission factor (pounds per ton) derived from the equation in AP-42, Compilation of Air Pollution Emission Factors, Chapter 13.2.4 (1/95), for aggregate handling and storage piles. Initial compliance has been determined using inputs representing current conditions as follows:

$$E = k (0.0032)[(U/5)^{1.3}/(M/2)^{1.4}]$$

E = emission factor expressed in pounds (lbs) / ton

k = particle size multiplier (dimension less) = 0.74

U = mean wind speed expressed in miles per hour (MPH) = 10

M = material moisture content (%) = 5

$$E = 0.74 (0.0032)[(10/5)^{1.3}/(5/2)^{1.4}]$$

$$E = 0.74 (0.0032)[(2.46)/3.61]$$

$$E = 0.0016$$

$$E = 0.0016 \text{ lb/ton}$$

50% control

$$0.5 \times 0.0016 \text{ lb/ton} \times 144,000 \text{ tons/yr} \times 1 \text{ ton}/2000 \text{ lbs} = 0.06 \text{ ton/yr}$$

Wind Erosion

From USEPA's Control of Open Fugitive Dust Sources September 1988 for wind erosion from storage piles:

$$E_w = 1.7 \times (s/1.5) \times [(365-p)/235] \times (f/15) \times 365 \times A/2,000$$

$$E_w = 1.7 \times (4.5/1.5) \times [(365-149)/235] \times (20/15) \times 365 \times 0.2/2,000$$

$$E_w = 1.7 \times (3) \times [(216)/235] \times 1.33 \times 365 \times 0.0001$$

$E_w = 0.23 \text{ ton PM/yr}$

where:

E_w = total annual particulate emission rate;

s = silt content of the stored material, weight percent, 4.5%;

p = number of days with > 0.01 inch of precipitation per year, 149 days;

f = percentage of time wind speed exceeds 12 mph, 20%; and

A = total surface area of storage piles, 0.2

Totals

	PM (tons/yr)
Loading In and Loading Out	0.06
Wind Erosion	0.23
Total	0.29

- a. Emissions Limitation:
No visible emissions except for one minute in any hour.

Applicable Compliance Method:

Compliance with the visible emission limitations for storage piles 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.

F. Miscellaneous Requirements

None