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Facility Name: **Bulk Intermodal Distribution Services**

Application Number: **06-5350**

Date: **October 21, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(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 Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio 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 Ohio Administrative Code

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(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 prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

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PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for 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.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Bulk Intermodal Distribution Services** located in **Ross** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification</u>	<u>Description</u>
P001	F002 Cont'd	F005 Bulk liquid transfer operation
F001	F003	Bulk solids transfer operation no. 3
	F005 Cont'd	operation no. 1
	F006	
F002	F004	Bulk solids transfer operation no. 2
		Bulk solids transfer operation no. 4

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Bulk solids transfer operation no. 5	BAT <u>Determination</u> Submerged filling	0.03 gr/dscf-baghouse with a design flow of 1,000 dscfm	0.03 gr/dscf-baghouse with a design flow of 2,000 dscfm	Applicable Federal & OAC Rules 3745-31-05 3745-17-07 3745-31-05 3745-17-07
Bulk solids transfer operation no. 6	0.03 gr/dscf-baghouse with a design flow of 1,000 dscfm	0.03 gr/dscf-baghouse with a design flow of 2,000 dscfm		3745-31-05 3745-17-07
	0.03 gr/dscf-baghouse with a design flow of 1,000 dscfm	0.03 gr/dscf-baghouse with a design flow of 2,000 dscf		

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
3745-31-05 3745-17-07	3745-31-05 3745-17-07	Permit Allowable Mass Emissions and/or Control/Usage Requirements 0.31 pound/hour and 1.36 TPY of SO _x	baghouses with a design inlet gas flow of 1,000 dscfm 0.03 gr/dscf; or no visible emission whichever is less stringent	
3745-31-05 3745-17-07		0.03 gr/dscf; or no visible emissions whichever is less stringent 0.26 pound/hour for transfer points controlled by baghouses with a design inlet gas flow of 1,000 dscfm	0.51 pound/hour for transfer points with a design inlet gas flow of 2,000 dscfm 0.03 gr/dscf; or no visible emission whichever is less stringent	
3745-31-05 3745-17-07		0.03 gr/dscf; or no visible emissions whichever is less stringent 0.26 pound/hour for transfer points controlled by baghouses with a design inlet gas flow of 1,000 dscfm	0.51 pound/hour for transfer points with a design inlet gas flow of 2,000 dscfm 0.03 gr/dscf; or no visible emission	
3745-31-05 3745-17-07		0.03 gr/dscf; or no visible emissions whichever is less stringent 0.26 pound/hour for transfer points controlled by	0.51 pound/hour for transfer points with a design inlet gas flow of 2,000 dscfm 0.03 gr/dscf; or no visible emission whichever is less stringent	

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SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
SO _x	1.4
PM	10.1

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks for any visible particulate emissions from the baghouse. The presence or absence of any visible emissions shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

B. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods during which visible particulate emissions are present. The reports shall include the date, time, and duration of each deviation, and include the corrective action taken to eliminate the visible emissions of particulate matter. This report shall be submitted annually, i.e., January 31 of each year and shall cover the previous 12 months.

C. Testing Requirements

1. Emission Limitation

0 percent opacity of visible particulate emissions.

Applicable Compliance Method

Compliance shall be determined through visible observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC Rule 3745-17-03(B).

Emission Limitation

Particulate emission - 0.03 grain/DSCF

Applicable Compliance Method

Compliance shall be determined in accordance with 40 CFR 60 Appendix A, Methods 1-5 and the procedures specified in OAC Rule 3745-17-03(B)(1). No testing is

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specifically required by this permit but, if appropriate, may be requested pursuant to OAC Rule 3745-15-04.

2. Compliance with the particulate matter emission limit of 10.1 tons per year shall be determined in accordance with the following equations:

$$(0.51 \text{ pound/hour}) (3) (8,760 \text{ hour/year}) (0.005 \text{ ton/pound}) \\ + (0.26 \text{ pound/hour}) (3) (8,760 \text{ hour/year}) (0.005 \text{ ton/pound}) \\ = \text{Total tons per year.}$$

3. Emission Limitation

0.31 pound/hour of SO_x

Applicable Compliance Method

Compliance shall be determined in accordance with the loading loss calculations using the equation, $L_L = [12.46(0.03 \text{ true vapor pressure})(98.08 \text{ molecular weight})(0.6 \text{ saturation rate})/(540 \text{ degrees})] (1-90 \text{ percent efficiency}/100) \times (7,500 \text{ 1,000 gallon/hour maximum capacity}) = (0.31 \text{ pound/hour})(8,760 \text{ hours/year})(0.005) = 1.4 \text{ TPY}$

4. Emission Limitation

1.4 TPY of SO_x

Applicable Compliance Method

Compliance is determined by a one-time review of AP-42 Chapter 5.2 calculations which shows the emissions are inconsequential.