



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL  
HAMILTON COUNTY**

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: 14-04955**

**DATE: 11/7/2000**

Lone Star Industries Inc  
Christa O Russell  
PO Box 681250 6300 River Road  
Cincinnati, OH 452331361

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,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

HCDES



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL PERMIT TO INSTALL 14-04955**

Application Number: 14-04955  
APS Premise Number: 1431074070  
Permit Fee: **\$2200**  
Name of Facility: Lone Star Industries Inc  
Person to Contact: Christa O Russell  
Address: PO Box 681250 6300 River Road  
Cincinnati, OH 452331361

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**6300 River Road**  
**Cincinnati, Ohio**

Description of proposed emissions unit(s):  
**roadways and parking areas, barge, truck and railcar unloading, truck loading.**

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

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

Environmental Protection Agency if the proposed sources are inadequate 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 prove to be inadequate 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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**Lone Star Industries Inc**  
**PTI Application: 14-04955**  
**Issued: 11/7/2000**

**Facility ID: 1431074070**

**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	24.0
PM-10	13.7

**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 - paved roadways and parking areas	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for one minute during any 60-minute period
	OAC rule 3745-17-07 (B)(4)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.f)
	OAC rule 3745-17-08 (B), (B)(8), (B)(9)	12.77 tons/yr PM, 2.49 tons/yr PM-10 The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 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:

all

- 2.b 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 vacuum sweeping 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 a paved 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 The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, of 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.e 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.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 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 paved

roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas

all

minimum inspection frequency

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 week.
3. The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, 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.

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

**D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

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

Emission Limitation:

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

Applicable Compliance Method:

Compliance 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. Emission Limitation:

12.77 tons/yr PM, 2.49 tons/yr PM-10

Applicable Compliance Method:

Compliance shall be determined using emission factors from AP-42 Section 13.2.1 (October, 1997).

**F. Miscellaneous Requirements**

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**Lone**

**PTI A**

**Issued: 11/7/2000**

Emissions Unit ID: **F001**

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>	
F002 - truck, railcar and barge unloading	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-08(B)
		OAC rule 3745-17-11(A)
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-07(B)(1)	

**Lone Star  
PTI A  
Issued: 11/7/2000**

Emissions Unit ID: **F002**

Applicable Emissions  
Limitations/Control Measures

from stacks:  
12.82 lbs/hr PM/ PM-10;  
6.47 tons/yr PM/PM-10

fugitive emissions:  
6.38 lbs/hr PM/PM-10;  
2.55 tons/yr PM/PM-10.

See terms B.2 - B.4.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) , OAC rule 3745-17-07(B)(1) and OAC rule 3745-17-08(B).

Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.

Visible particulate emissions of fugitive dust shall not exceed twenty percent (20%) opacity, as a three- minute average, except as specified by rule.

Minimize or eliminate visible particulate emissions of fugitive dust.

0.030 grain of PM/dscf from the

fabric filter outlets.

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

**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by visible emissions limitations, the use of fabric filters to control particulate emissions, production limitations and compliance with specified emission limits.
- 2.b** The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

**B. Operational Restrictions**

1. The pressure drop across the barge bin baghouse shall be maintained within the range of 2 - 8 inches of water while the emissions unit is in operation; The pressure drop across the barge, truck and railcar unloading silo baghouses shall be maintained within the range of 1 - 6 inches of water while the emissions unit is in operation.
2. The maximum annual truck unloading rate of cement for this emissions unit shall not exceed 400,000 tons/year.
3. The maximum annual railcar unloading rate of cement for this emissions unit shall not exceed 200,000 tons/year.
4. The maximum annual barge unloading rate of cement for this emissions unit shall not exceed 400,000 tons/year.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the barge bin, and barge, truck and railcar unloading silo baghouses while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouses on a daily basis.
2. The permittee shall maintain monthly records of the amount of cement unloaded by truck, railcar and barge in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the barge bin, and barge, truck and railcar unloading silo

baghouses did not comply with the allowable range specified in term B.1.

2. The permittee shall submit annual reports that identify any exceedances of the cement unloading limitations identified in terms B.2 - B.4, as well as corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

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

#### **E. Testing Requirements**

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

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance 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) through (B)(3)(d) of OAC rule 3745-17-03.

2. Emission Limitation:

20% opacity from fugitive emissions

Applicable Compliance Method:

Compliance 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) through (B)(3)(d) of OAC rule 3745-17-03.

**Lone Star  
PTI A  
Issued: 11/7/2000**

Emissions Unit ID: **F002**

3. Emission Limitation:

from stack: 12.82 lbs/hr PM/ PM-10; 6.47 tons/yr PM/PM-10  
fugitive emissions: 6.38 lbs/hr PM/PM-10; 2.55 tons/yr PM/PM-10.  
Applicable Compliance Method:

Compliance shall be determined using emission factors calculated from AP-42 Section 11.12 (January, 1995).

- 4. Compliance with the pressure drop limitation in term B.1 shall be determined by the record keeping in term C.1.
- 5. Compliance with the cement production limits in terms B.2 - B.4 shall be determined by the record keeping in term C.2.

**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>
F003 - truck loading	OAC rule 3745-31-05(A)(3)	0.50 lb/hr PM/PM-10; 2.19 tons/yr PM/PM-10.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by visible emissions limitations, the use of fabric filter to control particulate emissions and compliance with specified emission limits.
- 2.b The hourly emission limitations outlined are based upon the emissions unit’s Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with

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**Lone Star**

**PTI A**

**Issued: 11/7/2000**

Emissions Unit ID: **F003**

these limits.

**B. Operational Restrictions**

1. The pressure drop across the truck loadout baghouse shall be maintained within the range of 1 - 6 inches of water while the emissions unit is in operation.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the truck loadout baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the truck loadout baghouse did not comply with the allowable range specified in term B.1.
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.1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance 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) through (B)(3)(d) of OAC rule 3745-17-03.

2. Emission Limitation:

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**Lone Star**

**PTI A**

**Issued: 11/7/2000**

Emissions Unit ID: **F003**

0.50 lb/hr PM/PM-10; 2.19 tons/yr PM/PM-10.

Applicable Compliance Method:

Compliance shall be determined using emission factors calculated from AP-42 Section 11.12 (January, 1995).

3. Compliance with the pressure drop limitation in term B.1 shall be determined by the record keeping in term C.1.

**F. Miscellaneous Requirements**

None

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04955 Facility ID: 1431074070

FACILITY NAME Lone Star Industries Inc

FACILITY DESCRIPTION paved roadways and parking areas CITY/TWP Cincinnati

SIC CODE 5039 SCC CODE 3-05-006-12 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION paved roadways and parking areas

DATE INSTALLED not begun

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment		10.50		12.77
PM <sub>10</sub>	attainment		2.05		2.49
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

Visible emissions limitations, use of vacuum sweeper and compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04955 Facility ID: 1431074070

FACILITY NAME Lone Star Industries Inc

FACILITY DESCRIPTION paved roadways and parking areas CITY/TWP Cincinnati

Emissions Unit ID: **F003**

SIC CODE 5039 SCC CODE 3-05-006-07 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION truck, railcar and barge unloading

DATE INSTALLED not begun

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	1.25	2.26	19.2	9.02
PM <sub>10</sub>	attainment	1.25	2.26	19.2	9.02
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

Visible emissions limitations, use of fabric filters to control particulate emissions, production limitations and compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No  
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04955 Facility ID: 1431074070

FACILITY NAME Lone Star Industries Inc

FACILITY DESCRIPTION paved roadways and parking areas CITY/TWP Cincinnati

Emissions Unit ID: F003

SIC CODE 5039 SCC CODE 3-05-006-19 EMISSIONS UNIT ID F003

EMISSIONS UNIT DESCRIPTION truck loading

DATE INSTALLED not begun

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	0.03	0.05	0.50	2.19
PM <sub>10</sub>	attainment	0.03	0.05	0.50	2.19
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

Visible emissions limitations, use of fabric filters to control particulate emissions and compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No  
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

NONE

Please provide any additional permit specific notes as you deem necessary:

Permit Review Narrative  
PTI 14-04955

Lone Star Industries, Inc.

25 **NEW SC**

PTI Num

**FACILITY**

**FACILITY DESCRIPTION**

paved roadways and parking areas

**CITY/TWP**

Emissions Unit ID: **F003** \_\_\_\_\_

Cincinnati

6300 River Road

Cincinnati, Ohio 45233

Premise Number: 1431074070

Emissions unit description:

This permit application is for a new cement terminal to be located at the 6300 block of River Road. Emissions units covered will be Paved Roadways (F001), Truck, Railcar and Barge Unloading (F002) and Truck Loading (F003).

Applicable rules:

OAC rule 3745-15-07 (air pollution nuisance prohibited)

OAC rule 3745-17-07 (visible emissions limitations)

OAC rule 3745-17-08 (restrictions on emission of fugitive dust)

OAC rule 3745-17-11 (particulate emissions from processes)

OAC rule 3745-31-05 (BAT requirements)

Emissions summary:

Actual 1.28 lbs/hr PM, 1.28 lbs/hr PM-10; 12.81 tons/yr PM, 4.36 tons/yr PM-10

Potential 19.68 lbs/hr PM, 19.68 lbs/hr PM-10; 24.0 tons/yr PM., 13.7 tons/yr PM-10

Uncontrolled 400.00 lbs/hr PM, 400.00 lbs/hr PM-10; 278 tons/yr PM, 237 tons/yr PM-10

BAT determination:

F001 - Visible emissions limitations, use of vacuum sweeper.

F002 - Visible emissions limitations, use of fabric filters to control particulate emissions, production limits and compliance with specified emission limits.

F003 - Visible emissions limitations, use of fabric filters to control particulate emissions and compliance with specified emission limits.

Permit recommendation:

Emissions units F001, F002 and F003 will comply with all applicable regulations, therefore approval is recommended.

Permit fee:

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04955

Facility ID: 1431074070

FACILITY NAME Lone Star Industries Inc

FACILITY DESCRIPTION paved roadways and parking areas

CITY/TWP Cincinnati

Emissions Unit ID: **F003**

F001 minimum fee \$200.00

F002 500,000 lbs/hr \$1,000.00

F003 1,000,000 lbs/hr \$1,000.00

Total **\$2,200.00**

**Permit To Install Synthetic Minor Write-Up**

**NONE**

**Please fill in the following for this permit:**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	24.0
PM-10	13.7

**2** NEW SC

PTI Num

FACILITY

FACILITY DESCRIPTION

paved roadways and parking areas

CITY/TWP

Emissions Unit ID: **F001** \_\_\_\_\_

Cincinnati