



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
BUTLER 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: 14-04995

DATE: 8/17/2000

Spurlino Materials
Jim Spurlino
4000 Oxford State Road
Middletown, OH 45044

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 14-04995

Application Number: 14-04995
APS Premise Number: 1409010914
Permit Fee: **\$1400**
Name of Facility: Spurlino Materials
Person to Contact: Jim Spurlino
Address: 4000 Oxford State Road
Middletown, OH 45044

Location of proposed air contaminant source(s) [emissions unit(s)]:
4000 Oxford State Road
Middletown, Ohio

Description of proposed emissions unit(s):
Portable 300 TPH Transit Ready Mix Concrete Batch Plant with associated Storage Piles and Paved and Unpaved Roadways.

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.

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Issued: 8/17/2000

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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	16.28
PM-10	8.5

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 - Sand and Aggregate Storage Piles Associated with Portable Plant P902	OAC rule 3745-31-05(A)(3)	2.5 TPY PM 1.2 TPY PM-10
		See terms A.2.2.a, A.2.2.b and B.1
	OAC rule 3745-17-07(B)(6)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)(6)	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 There shall be no visible particulate emissions of fugitive dust from the material storage piles except for a period of time not to exceed one minute during any sixty-minute observation period.
- 2.b All sand and aggregate storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust caused by wind erosion.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the visible emission limitations.

B. Operational Restrictions

1. The permittee shall limit the drop height of the front-end loaders to fifteen (15) feet or less during the loading onto and the load-out from all sand and aggregate storage piles.

C. Monitoring and/or Recordkeeping Requirements

None

D. Reporting Requirements

None

E. Testing Requirements

1. Compliance with the fugitive visible particulate emission limitations shall be demonstrated by the methods outlined in 40 CFR Part 60 Appendix A, Method 22.
2. Compliance with the particulate and PM-10 emissions limitations in term A.1 shall be determined by emissions factors from AP-42 13.2.4 (1/95) for load-in and load-out operations and the emission factor from the Ohio EPA memo dated July 7, 1999 "Guidance regarding aggregate processing plants" for wind erosion and maximum annual rates.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled

relocation; and

- d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - f. The portable emissions unit is equipped with best available technology;
 - g. The portable emission unit owner has identified the proposed site to the Ohio EPA;
 - h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field

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Issued

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Emissions Unit ID: **F003**

office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>
F004 - Paved and Unpaved Roadways Associated with Portable Plant P902	OAC rule 3745-31-05(A)(3)	1.76 TPY PM and 0.34 TPY PM ₁₀ from paved roadways and parking areas
		6.36 TPY PM and 1.3 TPY PM ₁₀ from unpaved roadways and parking areas
		See terms A.2.2.a through A.2.2.k
	OAC rule 3745-17-07(B)(4) and (5)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	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** All paved and unpaved roadways and parking areas are covered by this permit and subject to the above-mentioned requirements.
- 2.b** There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any sixty-minute observation period.
- 2.c** There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any sixty-minute observation period.
- 2.d** 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 flushing 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 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** Any unpaved roadways 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 water. 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.g** 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 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

Emissions Unit ID: **F004**

applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

- 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** The permittee shall post and enforce on the property, a maximum speed limit of 10 miles per hour.
- 2.k** 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(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily inspections of all paved and unpaved roadways and parking areas.
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.

The information required in 4.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 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 limitation for the paved and 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.

Emissions Unit ID: **F004**

2. Compliance with the particulate and PM-10 emissions limitations in term A.1 shall be determined by emissions factors from AP-42 13.2.1 (10/97) for paved roads and AP-42 13.2.2(9/98) for unpaved roads and vehicular traffic rates.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
- f. The portable emissions unit is equipped with best available technology;
- g. The portable emission unit owner has identified the proposed site to the Ohio EPA;
- h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
- i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published

in the county where the proposed site is located;

- j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

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.

Operations, Property, <u>and/or Equipment</u>	Transit mix truck loading w/fabric filter	Sand/aggregate transfer to elevated bins
P902 - 300 tons/hr Portable Transit Ready Mix Concrete Batch Plant with Baghouse - unloading to cement/flyash silos w/fabric filter		
Cement, flyash and sand and aggregate weigh hopper loading w/fabric filter		

<u>Applicable Rules/Requirements</u>	OAC rule 3745-17-08(B)(1), (3)	
OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-11(B)	
	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(B)(1)
		OAC rule 3745-17-08(B)
OAC rule 3745-17-07(A)(1)		
OAC rule 3745-17-11(B)		
OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-07(B)(1)	
	OAC rule 3745-17-08(B)(3)	
	OAC rule 3745-17-11(B)	
OAC rule 3745-17-07(A)(1)		
OAC rule 3745-17-07(B)(1)	OAC rule 3745-31-05(A)(3)	

Applicable Emissions Limitations/Control Measures	fabric filter outlet	See term A.2.2.a
1.22 lb/hr PM 1.02 TPY PM 1.22 lb/hr PM10 1.02 TPY PM10	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 requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1).
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).	0.87 lb/hr PM 0.73 TPY PM 0.87 lb/hr PM10 0.73 TPY PM10 See term A.2.2.e.	See term A.2.2.c
See term A.2.2.b.	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)&(B)(1) and OAC rule 3745-17-08(B)(1)&(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).
The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	See term A.2.2.b	See term A.2.2.c
1.47 lb/hr PM 1.22 TPY PM 1.47 lb/hr PM10 1.22 TPY PM10 See term A.2.2.d. and A.2.2.f.	See term A.2.2.c	See term A.2.2.c
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) & (B)(1) and OAC rule 3745-17-08(B)(1)&(3).	0.030 grain of PM/dscf from the fabric filter outlet	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
See term A.2.2.b	3.23 lb/hr PM 2.69 TPY PM 3.23 lb/hr PM10 2.69 TPY PM10	See term A.2.2.c
See term A.2.2.c	0.030 grain of PM/dscf from the	See term A.2.2.c

2. Additional Terms and Conditions

- 2.a** Sand and aggregate shall be maintained in a moist condition in order to minimize or eliminate visible emissions of fugitive dust.
- 2.b** Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
- 2.c** Visible particulate emissions of fugitive dust from any fugitive dust emissions point shall not exceed twenty percent (20%) opacity as a three-minute average.
- 2.d** The cement/flyash weigh hopper shall be partially enclosed and vented to a fabric filter with a 95% control efficiency.
- 2.e** The transit mix truck loading station shall be partially enclosed and vented to a fabric filter with a 95% control efficiency.
- 2.f** The sand/aggregate weigh hopper shall be partially enclosed in order to minimize or eliminate visible emissions of fugitive dust.
- 2.g** The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.h** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by partial enclosure of the transit mix truck loading station and sand and aggregate weigh hopper, the use of a fabric filter, visible emission limitations and production limits.

B. Operational Restrictions

- 1. The maximum concrete production rate for this emissions unit shall not exceed 500,000 tons per year.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the amount of concrete produced in this emissions unit.

D. Reporting Requirements

Emissions Unit ID: **P902**

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission and production limitations in Section A.1. and A.2. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Compliance with the OAC rule 3745-17-07(A)(1) shall be determined by the method specified in 40 CFR Part 60, Appendix A, Method 9.
 - b. Compliance with the OAC rule 3745-17-07(B)(1) shall be determined by the method specified in 40 CFR Part 60, Appendix A, Method 9.
 - c. Compliance with the particulate emissions limitations in term A.1. above shall be determined by using the applicable emission factors from AP-42 11.12 (1/95).
 - d. Compliance with the production limitation in term B.1. shall be determined by the records maintained pursuant to term C.1.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. In the Department of Environmental Services and the appropriate field office's judgement,

the proposed site is acceptable under rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - f. The portable emissions unit is equipped with best available technology;
 - g. The portable emission unit owner has identified the proposed site to the Ohio EPA;
 - h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Spurlino Materials
PTI Application: 14-04005
Issued

Facility ID: 1409010914

Emissions Unit ID: **P902**

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

NEW SOURCE REVIEW FORM B

PTI Number: 14-04995 Facility ID: 1409010914

FACILITY NAME Spurlino Materials

FACILITY DESCRIPTION Portable 300 TPH Transit Ready Mix Concrete Batch Plant with associated Storage Piles and Paved and Unpaved Roadways CITY/TWP Middletown

SIC CODE 3273 SCC CODE 3-05-025-07 EMISSIONS UNIT ID F003

EMISSIONS UNIT DESCRIPTION Sand and Aggregate Storage Piles Associates with Portable Plant P902

DATE INSTALLED 8/2000

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		2.5		2.5
PM ₁₀	Attainment		1.2		1.2
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NPSPS? NESHAP? PSD? OFFSET POLICY?

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

Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the visible emission limitations.

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: 14-04995 Facility ID: 1409010914

FACILITY NAME Spurlino Materials

FACILITY DESCRIPTION Portable 300 TPH Transit Ready Mix CITY/TWP Middletown

Emissions Unit ID: **P902**

SIC CODE 3273 SCC CODE 3-05-011-99 EMISSIONS UNIT ID F004

EMISSIONS UNIT DESCRIPTION Paved and Unpaved Roadways Associates with Portable Plant P902

DATE INSTALLED 8/2000

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		8.12		8.12
PM ₁₀	Attainment		1.64		1.64
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
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?

Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the visible emission limitations and the use of dust suppressants.

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: 14-04995

Facility ID: 1409010914

FACILITY NAME Spurlino Materials

FACILITY DESCRIPTION Portable 300 TPH Transit Ready Mix

CITY/TWP Middletown

Emissions Unit ID: **P902**

SIC CODE 3273

SCC CODE 3-05-011-01

EMISSIONS UNIT ID P902

EMISSIONS UNIT DESCRIPTION 300 tons/hr Portable Transit Ready Mix Concrete Batch Plant with Baghouse

DATE INSTALLED 8/2000

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	1.1 lb/hr	1.4	6.8 lbs/hr	5.66
PM ₁₀	Attainment	1.1 lb/hr	1.4	6.8 lbs/hr	5.66
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
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?

Partial enclosure of the transit mix truck loading station and sand and aggregate weigh hopper, the use of a fabric filter, visible emission limitations and production 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:

2 NEW SOURCE REVIEW FORM B

PTI Number: 14-04995

Facility ID: 1409010914

FACILITY NAME Spurlino Materials

FACILITY DESCRIPTION Portable 300 TPH Transit Ready Mix

CITY/TWP Middletown

Emissions Unit ID: **P902**

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to airpti@epa.state.oh.us

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	<u>Electronic</u>	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
Calculations (required)	<input type="checkbox"/>	0000000c.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Modeling form/results	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PTI Application (complete or partial)*	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BAT Study	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other/misc.	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

Spurlino Materials
4000 Oxford State Road
Middletown, OH 45044

Facility ID: 1409010914

PERMIT REVIEW NARRATIVE

PTI 14-04995

Spurlino Materials produces concrete. This PTI is for a new portable concrete batch plant, aggregate storage piles associated with the portable plant and plant roadways & parking areas associated with the portable plant. The emissions from the new plant will be fugitive and stack particulate matter. The OAC rules governing the emissions units are 3745-31-05 (BAT), 3745-17-07, 3745-17-08 and 3745-17-11.

For calculation of actual and potential emissions, see the attached sheets. Hourly emissions are based on a maximum hourly production rate of 300 tons of concrete per hour. Emission factors are from appropriate sections of AP-42 for roadways and parking areas, storage piles and a concrete batch plant.

BAT is satisfied by the unloading to cement/flyash silos, cement/flyash weigh hopper loading and transit mix truck loading being vented to a fabric filter. In addition, the transit mix truck loading station and sand and aggregate weigh hopper shall be partially enclosed. Finally, BAT shall also be demonstrated by the visible emission limitations and the

28 **NEW SC**

PTI Num

FACILITY

Emissions Unit ID: **P902**

FACILITY DESCRIPTION

Portable 300 TPH Transit Ready Mix
Concrete Batch Plant with associated
Storage Piles and Paved and Unpaved
Roadways

CITY/TWP

Middletown

use of dust suppressants.

The particulate emissions for this facility will be limited to 16.28 TPY. In addition, PM10 will be limited to 8.5 TPY

The permit fee is	\$1000.00	P901 Portable concrete batch plant (based on PWR of 300 tons per hour).
	\$200.00	F003 Storage piles associated with portable plant
	\$200.00	F004 Plant roadways & parking areas associated with portable plant
Total:	\$1400.00	

Prepared by: Ajay Bahri
Date prepared: July 24, 2000

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or **Netting Determination**
Permit To Install **ENTER PTI NUMBER HERE**

- A. Source Description
- B. Facility Emissions and Attainment Status
- C. Source Emissions
- D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	16.28
PM-10	8.5