State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL
WARREN COUNTY
Application No: 14-04907

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 5/10/00

Ernst Concrete - Lebanon Plant
Mark Van de Grift
PO Box 13577 3361 Successful Way
Dayton, OH 45413

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

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

CC: USEPA **HCDES**

FINAL PERMIT TO INSTALL 14-04907

Application Number:	14-04907
APS Premise Number:	1483060219
Permit Fee:	**$2800**
Name of Facility:	Ernst Concrete - Lebanon Plant
Person to Contact:	Mark Van de Grift
Address:	PO Box 13577 3361 Successful Way Dayton, OH 45413

Location of proposed air contaminant source(s) [emissions unit(s)]:
4344 Columbia Road
Lebanon, **Ohio**

Description of proposed emissions unit(s):
Dry Batch Concrete Plant.

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.

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

Pollutant	Tons Per Year
PM	23.6
PM10	20.1

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, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - Sand and Aggregate Storage Piles	OAC rule 3745-31-05(A)(3)	4.5 TPY PM, 2.1 TPY PM_{10} See Term A.2.2.a. See Terms A.2.2.b and B.1.
	OAC rule 3745-15-07	See Part I, Term A.7.

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 loadout from all sand and aggregate storage piles.

C. Monitoring and/or Recordkeeping Requirements

None

D. Reporting Requirements

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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 emission factor from Ohio EPA memo dated July 7, 1999 "Guidance regarding aggregate processing plants" for wind erosion and maximum annual rates.

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - Unpaved Roadways	OAC rule 3745-31-05(A)(3)	1.4 TPY PM and 0.28 TPY PM_{10} from unpaved roadways See Terms A.2.2.a through A.2.2.i.
	OAC rule 3745-15-07	See Part I, Term A.7.

2. Additional Terms and Conditions

2.a All unpaved roadways are covered by this permit and subject to the above-mentioned requirements.

2.b There shall be no visible particulate emissions from any unpaved roadway except for a period of time not to exceed three minutes during any sixty-minute observation period.

2.c The permittee shall employ best available control measures on all unpaved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved 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.d Any unpaved roadways, 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 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.

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2.e The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway 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.f 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.g 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.h The permittee shall post and enforce on the property, a maximum speed limit of 10 miles per hour.

2.i 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 unpaved roadways.

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 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:

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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 the unpaved roadways, 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 unpaved roadways identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

2. Emissions calculations for unpaved roadways were made using AP-42 13.2.2 dated 9/98.

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
unloading to cement silos w/fabric filter	OAC rule 3745-31-05(A)(3)	0.32 lb/hr PM 1.4 TPY PM 0.32 lb/hr PM10 1.4 TPY PM10
	OAC rule 3745-15-07	See Part I, Term A.7.
	OAC rule 3745-17-07(A)(1)	See Term A.2.2.b.
	OAC rule 3745-17-11(B)	Less stringent than limitations established in OAC rule 3745-31-05(A)(3).
cement and sand and aggregate weigh hopper loading w/fabric filter	OAC rule 3745-31-05(A)(3)	0.95 lb/hr PM 4.2 TPY PM 0.95 lb/hr PM10 4.2 TPY PM10 See Terms A.2.2.c, A.2.2.d and A.2.2.f.
	OAC rule 3745-15-07	Part I, Term A.7.
	OAC rule 3745-17-07(A)(1)	See Term A.2.2.b.
	OAC rule 3745-17-11(B)	Less stringent than limitations established in OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3)	0.52 lb/hr PM

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transit mix truck loading w/fabric filter		2.3 TPY PM 0.52 lb/hr PM10 2.3 TPY PM10 See Terms A.2.2.c and A.2.2.e.
	OAC rule 3745-15-07	See Part I, Term A.7.
	OAC rule 3745-17-07(A)(1)	See Term A.2.2.b.
	OAC rule 3745-17-11(B)	Less stringent than limitations established in OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3)	2.2 lb/hr PM 9.8 TPY PM 2.2 lb/hr PM10 9.8 TPY PM10 See Terms A.2.2.a and A.2.2.c.
sand/aggregate transfer to elevated bins		
	OAC rule 3745-15-07	See Part I, term A.7.

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 and annual 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.

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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 and visible emission limitations.

B. Operational Restrictions

None

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

None

E. Testing Requirements

1. Compliance with the limitations in Section A 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, Test Method 9.

b Compliance with the fugitive visible emissions limit shall be determined by the method specified in 40 CFR Part 60, Appendix A, Test Method 9.

c. Compliance with the particulate emissions limitations in term A.1. above shall be determined by using the applicable emission factors in AP-42 (Concrete Batching).

F. Miscellaneous Requirements

None

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NEW SOURCE REVIEW FORM B

PTI Number: 14-04907 Facility ID: 1483060219

FACILITY NAME Ernst Concrete - Lebanon Plant

FACILITY DESCRIPTION Dry Batch Concrete Plant. CITY/TWP Lebanon

SIC CODE 3273 SCC CODE 3-05-011-10 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Sand and Aggregate Storage Piles

DATE INSTALLED 4/2000

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		4.5		4.5
PM_{10}	Attainment		2.1		2.1
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?
Enter Determination Compliance with 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: 14-04907 Facility ID: 1483060219

FACILITY NAME Ernst Concrete - Lebanon Plant

FACILITY DESCRIPTION Dry Batch Concrete Plant. CITY/TWP Lebanon

SIC CODE 3273 SCC CODE 3-05-011-10 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Unpaved Roadways

DATE INSTALLED 4/2000

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		1.4		1.4
PM_{10}	Attainment		0.28		0.28
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?
Enter Determination The use of water and 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: 14-04907 Facility ID: 1483060219

FACILITY NAME Ernst Concrete - Lebanon Plant

FACILITY DESCRIPTION Dry Batch Concrete Plant. CITY/TWP Lebanon

SIC CODE 3273 SCC CODE 3-05-011-10 EMISSIONS UNIT ID P901

EMISSIONS UNIT DESCRIPTION 200 Ton Per Hour Concrete Batch Plant

DATE INSTALLED 4/2000

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	1.7 lbs/hr	1.8	4.0 lbs/hr	17.7
PM_{10}	Attainment	1.7 lbs/hr	1.8	4.0 lbs/hr	17.7
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?

Enter Determination The partial enclosure of the transit mix truck loading station and sand and aggregate weigh hopper, the use of a fabric filter and 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: 14-04907 Facility ID: 1483060219

FACILITY NAME Ernst Concrete - Lebanon Plant

FACILITY DESCRIPTION Dry Batch Concrete Plant. CITY/TWP Lebanon

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:

Ernst Concrete - Lebanon Plant
4344 Columbia Road
Lebanon, OH 45036

PN: 1483060219

PERMIT REVIEW NARRATIVE

PTI 14-04907

Ernst Concrete produces concrete. This PTI is for a new concrete batch plant, aggregate storage piles and plant roadways. The emissions from the new plant will be fugitive and stack particulate matter. The OAC rules governing the emissions units are 3745-31-05 (A)(3)(BAT), 3745-17-07 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 200 tons of concrete per hour. Emission factors are from appropriate sections of AP-42 for roadways, storage piles and the concrete batch plant.

BAT is satisfied by the unloading to cement silos, cement 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 use of dust suppressants.

The particulate emissions for this facility will be limited to 23.6 TPY based on the emission unit's potential to emit. In addition, PM10 will be limited to 20.1 TPY based on the emission unit's potential to emit.

The permit fee is$1000.00 Concrete Batch Plant(based on PWR of 200 tons per hour).
$200.00 Plant Roadways
$200.00 Storage piles
Total:$1400.00

Prepared by:Chad Powell
Date prepared:April 17, 2000

Permit To Install Synthetic Minor Write-Up

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NEW SOURCE REVIEW FORM B

PTI Number: 14-04907 Facility ID: 1483060219

FACILITY NAME Ernst Concrete - Lebanon Plant

FACILITY DESCRIPTION Dry Batch Concrete Plant. CITY/TWP Lebanon

NONE

Please fill in the following for this permit:

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PM	23.6
PM10	20.1