



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-13930

DATE: 12/31/2002

H + C Concrete and Building Supplies
John Caporini
617 Main Street
Huron, OH 44839

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

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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

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

Very truly yours,

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

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 12/31/2002
Effective Date: 12/31/2002**

FINAL PERMIT TO INSTALL 03-13930

Application Number: 03-13930
APS Premise Number: 0339010217
Permit Fee: **\$2400**
Name of Facility: H + C Concrete and Building Supplies
Person to Contact: John Caporini
Address: 617 Main Street
Huron, OH 44839

Location of proposed air contaminant source(s) [emissions unit(s)]:
**State Route 269
Bellevue, Ohio**

Description of proposed emissions unit(s):
Concrete batch plant with weigh hopper, transit truck loading, cement unloading to silos, aggregate transfer, and 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 cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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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
 PE

Tons Per Year
 5.37

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>	
F001 - Roadways and Parking Areas	OAC rule 3745-31-05 (A)(3)	OAC rule 3745-17-08 (B)
Paved Roadways and Parking Areas	OAC rule 3745-31-05 (A)(3)	OAC rule 3745-17-07 (B)
Unpaved Roadways and Parking Areas	OAC rule 3745-17-08 (B)	
	OAC rule 3745-17-07 (B)	
	OAC rule 3745-31-05 (A)(3)	

Applicable Emissions
Limitations/Control Measures

0.20 ton of PE/year (fugitive)

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

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.e, A.2.g, and A.2.i through A.2.k)

See A.2.a.

See A.2.b

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

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d and A.2.f through A.2.k)

See A.2.a

See A.2.b

2. Additional Terms and Conditions

2.a H&C Concrete is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is

exempt from the requirements of OAC rule 3745-17-08(B).

2.b This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

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

paved roadways:

all paved roadways

paved parking areas:

all paved parking areas

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

unpaved roadways:

all unpaved roadways

unpaved parking areas:

all unpaved parking areas

2.e 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 permit application, the permittee has committed to treat the paved roadways and parking areas by sweeping and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.f The 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 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.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 an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.h** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled 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.i** 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.j** 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.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. Except as otherwise provided in this section, the permittee shall perform inspections of the paved

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Emissions Unit ID: F001

and unpaved roadways and parking areas in accordance with the following frequencies:

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all paved roadways and parking areas	once per day of operation
<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all unpaved roadways and parking areas	once per day of operation

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 Northwest District Office, 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 in accordance with the general terms and conditions of this permit 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.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation
0.20 ton of fugitive PE/year

Applicable Compliance Method
This emission limitation was developed by utilizing emission factors from AP-42, Sections 13.2.1 (10/97) and 13.2.2 (9/98), and applying dust suppression control efficiencies of 80% for paved roadways/parking areas and 70% for unpaved roadways/parking areas. Compliance shall be determined through monitoring and record keeping requirements in Section C of this permit.
 - b. Emission Limitation
No visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 1 minute during any 60-minute observation period

Applicable Compliance Method
If required, compliance with the visible emission limitation listed 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)(1) through (B)(4)(d) of OAC rule 3745-17-03.
 - c. Emission Limitation Method
No visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period.

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Facility ID: 0339010217

Emissions Unit ID: **F001**

Applicable Compliance Method

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

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H + C

PTI A

Issued: 12/31/2002

Emissions Unit ID: **F001**

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>	OAC rule 3745-17-07 (B)
F002 - Sand and Aggregate Storage Piles	OAC rule 3745-31-05 (A)(3)	
Load-in and Load-out of Storage Piles (See Section A.2.c for identification of storage piles)	OAC rule 3745-31-05 (A)(3)	
Wind Erosion from Storage Piles (See Section A.2.c for identification of storage piles)	OAC rule 3745-31-05 (A)(3)	
	OAC rule 3745-17-08 (B)	

Applicable Emissions
Limitations/Control Measures

0.46 ton of PE/year

No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.d, A.2.e, and A.2.h)

No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.f through A.2.h)

See A.2.a.

See A.2.b

2. Additional Terms and Conditions

- 2.a** H&C Concrete is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.b** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.c** The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

storage pile identification:

mason sand
concrete sand
limestone #8
limestone #57

- 2.d** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee has committed to treat the storage piles by watering at sufficient treatment frequencies in order to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.f** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the storage piles by watering at sufficient treatment frequencies in order to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.g The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.h Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05 (A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all storage piles	once per day of operation

- 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
all storage piles	once per day of operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification

minimum wind erosion inspection frequency

all storage piles

once per day of operation

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

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports in accordance with the general terms and conditions of this permit 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

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Emissions Unit ID: F002

inspection, was not implemented.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation
0.46 ton PE/yr

Applicable Compliance Method

The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying control efficiencies of 50% for load-in/load-out activities and 70% for wind erosion for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rates and appropriate emission factors from AP-42, Section 13.2.4 (1/95). Wind erosion emissions are based on maximum storage pile surface areas and the appropriate emission factors from U.S. EPA's Control of Open Fugitive Dust Sources (9/88). Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation
No visible emissions from the load-in and load-out operations or wind erosion except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>	
P901 - Cement Unloading/Sand and Aggregate Transfer to Bins/Silos	See Below	OAC rule 3745-17-08 (B)
Cement Unloading to Silos	OAC rule 3745-31-05 (A)(3)	OAC rule 3745-17-07 (B)
	OAC rule 3745-17-07 (A)	
	OAC rule 3745-17-11 (B)(2)	
Sand and Aggregate Transfer to Bins/Silos	OAC rule 3745-31-05 (A)(3)	

Applicable Emissions
Limitations/Control Measures

See Below

Stack Emissions

0.13 lb PE/hour

0.01 ton PE/year

Control Requirements

See A.2.d

20% opacity as a six-minute average for stack emissions

See A.2.a

Fugitive Emissions

0.12 ton PE/year

20 percent opacity as a three-minute average for fugitive emissions

best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.d. and A.2.f.)

See A.2.b

See A.2.c

2. Additional Terms and Conditions

2.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.b** H&C Concrete is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.c** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.d** "Best Available Technology" (BAT) control requirements for emissions unit P901 has been determined to be the following:

 - i. Use of a baghouse for pneumatic unloading of cement. The baghouse shall achieve a 99.6% removal efficiency (100% capture).
 - ii. Best available Control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.e)
- 2.e** The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee's permit application, the permittee has committed to minimize drop height for sand and aggregate transfer by belt conveyor to bins. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that the use of the control measure(s) is unnecessary.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05 (A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks when the emissions unit is in operation, and when weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence of absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of the corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
sand/aggregate transfer to bins	once per day of operation

3. The above-mentioned inspections shall be performed during representative, normal operating conditions.

4. The permittee may, upon receipt of written approval from the Northwest District Office, 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.
5. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 5.d shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Northwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit deviation reports in accordance with the General Terms and Conditions of this permit that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this

permit shall be determined in accordance with the following methods:

- a. The following emission limitations and applicable compliance methods apply to stack emissions from cement unloading to silos operation:
 - i. Emission Limitation
0.13 lb of PE/hour

Applicable Compliance Method

The permittee shall demonstrate compliance with this emission limitation by multiplying the maximum hourly cement unloading rate of 44 tons/hr by an emission factor of 0.72 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01]), dividing by 2000 lbs/ton, and applying a 99.6% baghouse control efficiency. If required, testing shall be performed in accordance with 40 CFR Part 60 Appendix A Methods 1 - 5.

ii. Emission Limitation

0.01 ton PE/year

Applicable Compliance Method

The permittee shall demonstrate compliance with the above emission limitation by multiplying the maximum annual cement unloading throughput of 10,000 tons/yr (based on a maximum concrete production rate of 60,000 tons per year for emissions unit P902) by an emission factor of 0.72 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01]), dividing by 2000 lbs/ton and applying a 99.6% baghouse control efficiency.

iii. Emission Limitation

20% opacity as a six-minute average

Applicable Compliance Method

If required, compliance shall be demonstrated using test method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1996, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03 (B)(3).

- b. The following emission limitations and applicable compliance methods apply to fugitive emissions from sand and aggregate transfer to bins/silos:

i. Emission Limitation

0.12 tons of PE/year

Applicable Compliance Method

The emission limitation was established by combining the annual fugitive emissions from aggregate and sand transfer, based on a maximum concrete production rate of 60,000 tons per year where:

The maximum annual aggregate transfer of 25,000 tons/yr is multiplied by and emission factor of 0.0069 lb of PE/ton (AP-42 Chapter 11.12.2 [10/01]) and divided by 2000 lbs;

The maximum annual sand transfer of 25,000 tons/yr is multiplied by an emission factor of 0.0021 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01] and divided by 2000 lbs.

The permittee shall demonstrate compliance by the monitoring and recordkeeping of the concrete production required in emissions unit P902.

- ii. Emission Limitation
20% opacity as a three-minute average.

Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1996, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03 (B)(3).

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>
P902 - Weigh Hopper Loading and Transit Mix Truck Loading	See Below
Weigh Hopper Loading	OAC rule 3745-31-05 (A)(3)
	OAC rule 3745-17-07 (A)
	OAC rule 3745-17-11 (B)(2)
Transit Mix Truck Loading	OAC rule 3745-31-05 (A)(3)

OAC rule 3745-17-07(B)	Applicable Emissions Limitations/Control Measures
OAC rule 3745-17-08(B)	See Below
	<u>Stack Emissions</u> 0.003 lb of PE/hr 0.0006 ton of PE/yr
	<u>Control Requirements</u> See A.2.d
	20% opacity as a six-minute average for stack emissions
	See A.2.a
	<u>Fugitive Emissions</u> 4.58 tons of PE/yr 20% opacity as a three-minute average for fugitive emissions
	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.d and A.2.e)
	See A.2.c
	See A.2.b

2. Additional Terms and Conditions

- 2.a** This emissions unit is exempt from the particulate emission limitations specified in OAC rule 3745-17-11 (B)(2) pursuant to 3745-17-11 (A)(2)(a) because the uncontrolled mass

rate of emissions is less than 10 pounds per hour

- 2.b** H&C Concrete is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).
- 2.c** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.d** "Best Available Technology" (BAT) control requirements for emissions unit P902 has been determined to be the following:
 - i. Use of a baghouse for weigh hopper loading. The baghouse shall achieve a 99.6% removal efficiency (100% capture); and
 - ii. Best available Control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.d).
- 2.e** The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust. In accordance with the permit application, the permittee has committed to the use of a charging boot to ensure compliance with the transit mix truck loading operation. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that the use of the control measure(s) is unnecessary.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05 (A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 3 to 7 inches of water while the emissions unit is in operation.

2. The maximum annual concrete production for the concrete batch plant shall not exceed 60,000 tons per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the 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 weekly basis.
2. The permittee shall collect and record the following information each month:
 - a. The total tons per month of concrete produced
 - b. The annual, year to date tons of concrete produced (summation of C.2.a, for each calendar month to date from January to December).
3. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
transit mix truck loading	once per day of operation

4. The above-mentioned inspections shall be performed during representative, normal operating conditions.
5. The permittee may, upon receipt of written approval from the Northwest District Office, 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.
6. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

- c. the dates the control measure(s) was (were) implemented; and
- d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 6.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 pressure drop deviation (excursion) reports in accordance with the general terms and conditions of this permit that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. The deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.
2. The permittee shall submit annual deviation (excursion) reports which identify any exceedances in the maximum concrete production of 60,000 tons per year. If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
3. The permittee shall submit deviation reports in accordance with the general terms and conditions of this permit that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. The following emission limitations and applicable compliance methods apply to stack emissions from weigh hopper loading:
 - i. Emission Limitation:

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0.003 lb of PE/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above emission limitation by multiplying the maximum hourly weigh hopper loading rate of 130 tons per hour by an emission factor of 0.0051 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01]), dividing

by 2000 lbs/ton, and applying a 99.6% baghouse control efficiency. If required, testing shall be performed in accordance with 40 CFR Part 60 Appendix A-Methods 1 - 5.

- ii. Emission Limitation:
0.0006 ton of PE/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above emission limitation by multiplying the maximum annual weigh hopper loading rate of 60,000 tons per year by an emission factor of 0.0051 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01]), dividing by 2000 lbs/ton, and applying a 99.6% baghouse control efficiency.

The permittee may also demonstrate compliance by the monitoring and recordkeeping requirements in Section C.2.

- iii. Emission Limitation:
20% opacity as a six-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1996, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03 (B)(3).

- b. The following emission limitations and applicable compliance methods apply to fugitive emissions from transit mix truck loading:

- i. Emission Limitation:
4.58 tons of PE/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above emission limitation by multiplying the maximum concrete production rate of 60,000 tons per year by an emission factor of 0.61 lb of PE/ton (AP-42 Chapter 11.12-2 [10/01]), dividing by 2000 lbs/ton, and applying a 75% control efficiency for use of a charging boot.

The permittee may also demonstrate compliance through the monitoring and recordkeeping requirements in Section C.2.

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- ii. Emission Limitation:
20% opacity as a three-minute average

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Applicable Compliance Method:

If required, compliance shall be demonstrated using test method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1996, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03 (B)(3).

F. Miscellaneous Requirements

None