



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
HIGHLAND COUNTY
Application No: 05-11700**

CERTIFIED MAIL

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

DATE: 1/15/2002

Hanson Aggregates Davon, Inc.
Jeff Parry
4281 Roush Road
Hillsboro, OH 45133-9179

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

SWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 1/15/2002
Effective Date: 1/15/2002**

FINAL PERMIT TO INSTALL 05-11700

Application Number: 05-11700
APS Premise Number: 0536020128
Permit Fee: **\$1400**
Name of Facility: Hanson Aggregates Davon, Inc.
Person to Contact: Jeff Parry
Address: 4281 Roush Road
Hillsboro, OH 45133-9179

Location of proposed air contaminant source(s) [emissions unit(s)]:
**4281 Roush Road
Hillsboro, Ohio**

Description of proposed emissions unit(s):
Portably Ready-mix Concrete Batch 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 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 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**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	5.3

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>
F003 - Sand and Aggregate Storage Piles	OAC rule 3745-31-05(A)(3)	< 1.0 ton particulate emissions (PE) per year
Load-in and Load-out of Sand and Aggregate Storage Piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	No visible emissions except for a period of time not to exceed 1 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.b through A.2.f.)
Wind Erosion from Sand and Aggregate Storage Piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-17-07(B) and -17-08(B)	The requirements of these rules apply when this emissions unit is located in an "Appendix A" area.
Wind Erosion from Sand and Aggregate Storage Piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	No visible emissions except for a period of time not to exceed 3 minutes during any 60-minute period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.b. through A.2.f.)
Wind Erosion from Sand and Aggregate Storage Piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-17-07(B) and -17-08(B)	The requirements of these rules apply when this emissions unit is located in an "Appendix A" area.

2. Additional Terms and Conditions

- 2.a** The sand and aggregate storage piles are associated with the portable concrete batching plant, emission unit P902, permitted under facility ID 0536020128. The emission limitation of <1.0 TPY fugitive PE represents the maximum emissions which will be emitted from the storage piles for any proposed site for relocation of the portable concrete batching plant.

The storage piles are associated with a portable source and are subject to the requirements of OAC Rule 3745-17-07 (B) and 3745-17-08 (B) when located in a "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07 (B) and 3745-17-08 (B) are equivalent or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

- 2.b** The permittee shall employ best available technology on all material handling for load-in and load-out for emissions unit F003 for the purpose of ensuring compliance with the above-mentioned applicable requirements. This includes activities used to form, develop and remove material from each storage pile. In accordance with the permittee's permit application, the permittee has committed to prevent the generation of fugitive dust by reducing front-end loader drop heights and use material with sufficient "natural moisture" content to ensure compliance. In addition, the permittee shall employ water suppression and/or chemical dust suppressants, in accordance with BAT, as necessary to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** The above-mentioned control measures shall be employed for each material handling and removal activity at 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.

- 2.d** The permittee shall employ best available technology 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 use materials with sufficient "natural moisture" content to prevent wind erosion from each storage pile. In addition, the permittee shall employ water suppression and/or chemical dust suppressants, in accordance with BAT, as necessary 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures 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.f Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the 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 material storage pile load-in and load-out operation at each sand and aggregate material storage pile in accordance with the following frequencies:

<u>material storage pile identification</u>	<u>minimum inspection frequency</u>
#8 Stone	daily
#57 Stone	daily
Concrete Sand	daily

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

<u>material storage pile identification</u>	<u>minimum inspection frequency</u>
#8 Stone	daily
#57 Stone	daily
Concrete Sand	daily

- 3. No inspection shall be necessary for wind erosion from the surface of a 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 has ended.

4. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for material load-in or load-out of a storage pile, pile working operations, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
5. 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.
6. 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; and
 - c. the dates the control measures were implemented.
 - 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 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.

These deviation reports shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emissions limitations(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following methods(s):

- a. Emission Limitation -
<1.0 tons PE per year

Applicable Compliance Method -

The maximum potential uncontrolled emission rate was calculated using equations from AP-42 13.2.4 (1/95) and USEPA document Control of Open Fugitive Dust Sources (9/88). Compliance shall be demonstrated through the monitoring and recordkeeping requirements specified in Section C of this permit.

- b. Emission Limitation -
There shall be no visible particulate emissions from the load-in and load-out operations of the storage piles except for a period of time not to exceed 1 minute during any 60-minute observation period.

Applicable Compliance Method -

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.

- c. Emission Limitation -
There shall be no visible particulate emissions from wind erosion of the storage piles except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method -

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>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - Unpaved Roadways and Parking Areas	OAC rule 3745-31-05(A)(3)	< 1.0 tons particulate emissions (PE)/yr No visible PE emissions except for 3 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.c through A.2.h)
	OAC rule 3745-17-08 (B)	See A.2.a.
	OAC rule 3745-17-07 (B)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas are associated with the portable concrete batching plant, emission unit P902 permitted under facility ID 0536020128. The emission limitation of < 1.0 TPY fugitive PE represents the maximum emissions which will be emitted from the roadways and parking areas for any proposed site for relocation of the portable concrete batching plant.

The roadways and parking areas are associated with a portable source and are applicable to the requirements of OAC Rule 3745-17-07 (B) and 3745-17-08 (B) when located in a "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07 (B) and 3745-17-08 (B) are equivalent or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

- 2.b** The unpaved roadways/parking areas that are covered by this permit and subject to the above-mentioned requirements are listed
- i. 20,000 square feet unpaved roadway as specified in the PTI application.
 - ii. 2,000 square feet parking area as specified in the PTI application.
- 2.c** 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 calcium chloride brine (chemical stabilization) 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** 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.e** 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.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** 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 unpaved roadways and parking areas in accordance with the following frequencies:

<u>unpaved roadways</u>	<u>minimum inspection frequency</u>
all roadways	daily

<u>unpaved parking areas</u>	<u>minimum inspection frequency</u>
all parking areas	daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the 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 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.

These deviation reports shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

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 -
< 1.0 tons PE/yr

Applicable Compliance Method -

The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98). Compliance shall be demonstrated through the monitoring and recordkeeping requirements in Section C of this permit.

- b. Emission Limitation Method -
There shall be no visible particulate emissions from any unpaved roadway except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method -

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.

Hanson Aggregates Davon, Inc.

PTI Application: 05-11700

Issued: 1/15/2002

Facility ID: 0536020128

Emissions Unit ID: F004

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P902 - Portable Transit-mix Concrete Batch Plant	OAC rule 3745-31-05(A)(3)	17.2 pounds particulate emissions (PE) per hour 3.3 tons PE per year
	OAC rules 3745-17-11(B)(1) and (2)	The requirements established pursuant to these rules are less stringent than the requirements of OAC rule 3745-31-05(A)(3).
	OAC rules 3745-17-07(A)	The requirement established pursuant to this rule is equivalent to the requirement of OAC rule 3745-31-05(A)(3).
	OAC rules 3745-17-07(B) and 3745-17-08(B)	See Section A.2.a.
Cement Unloading, Sand and Aggregate Transfer to Bins, Silos	OAC rule 3745-31-05(A)(3)	<u>Control Requirements:</u> See Section A.2.b. Visible particulate emissions from the stack shall not exceed 20% opacity, as a 6 minute average. Visible particulate emissions of fugitive dust shall not exceed 20% opacity, as a 3 minute average. Best available control measures that are sufficient to minimize or eliminate

Weigh Hopper Loading, Concrete Truck Loading, Mixing	OAC rule 3745-31-05(A)(3)	visible emissions of fugitive dust (See Section A.2.c) <u>Control Requirements:</u> See Section A.2.b. Visible particulate emissions from the stack shall not exceed 20% opacity, as a 6 minute average. Visible particulate emissions of fugitive dust shall not exceed 20% opacity, as a 3 minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Section A.2.c)
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2. Additional Terms and Conditions

- 2.a** This emissions unit is subject to the requirements of OAC Rule 3745-17-07(B) and 3745-17-08 (B) when located in a "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07 (B) and 3745-17-08 (B) are equivalent or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** "Best Available Technology" (BAT) control requirements for emissions unit P901 has been determined to be the following:

 - i. Use of a baghouse for weigh hopper loading of cement, sand and aggregate. The baghouse shall achieve a 97.0% removal efficiency (i.e. 99% capture, 98% control).
 - ii. Best available Control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See 2.A.c)
- 2.c** 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 perform the following control measures(s) to ensure compliance:

 - i. Silo Vents:
use of baghouses with 98.0% overall control efficiency
 - ii. Sand and Aggregate Transfer Bins:
minimize drop heights

- iii. Concrete Truck Loading/Mixing:
use of charging boot

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.d 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 0.5 to 5 inches of water while the emissions unit is in operation.
2. The maximum concrete production for the concrete batch plant shall not exceed 50,000 cubic yards per year.
3. This facility shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form at least 30 days prior to any planned relocation of this source, in accordance with OAC rule 3745-31-03(A)(1)(p). Approval of the planned relocation must be obtained from SWDO prior to the relocation. The "Notice of Intent to Relocate a Portable or Mobile Source" shall include all associated emission units such as Roadways/Parking Areas and Storage Piles.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse serving the weigh hopper 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 number of cubic yards of concrete produced per month
 - b. The annual, year to date number of cubic yards 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>
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Sand and Aggregate Transfer to Bins	daily
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4. The above-mentioned inspections shall be performed during representative, normal operating conditions.
5. 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.
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 4.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 pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

These deviation reports shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

2. The permittee shall submit annual deviation (excursion) reports which identify any exceedances in the maximum concrete production of 50,000 cubic yards per year.

These deviation reports shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

3. 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; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

These deviation reports shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the deviation occurs.

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 -
17.2 lb PE/hr

Applicable Compliance Method -

The permittee shall demonstrate compliance with this emission limitation by the following method:

- i. Calculate emissions from cement unloading to elevated storage bins by multiplying the maximum hourly cement loading rate (50 tons) by the emission factor of 0.27 lb/ton (AP-42, Table 11.12-2, 10/86);
- ii. Calculate emissions from the transfer of sand and aggregate to elevated bins by multiplying the maximum hourly sand and aggregate loading rate (130 cubic yards) by the emission factor 0.05 lb/cubic yard (AP-42, Table 11.12-2, 10/86);
- iii. Calculate emissions from the weigh hopper loading by multiplying the maximum hourly loading rate rate (130 cubic yards) by the emission factor 0.04 lb/cubic yard (AP-42, Table 11.12-2, 10/86);
- iv. Calculate emissions from the truck loading by multiplying the maximum hourly loading rate (130 cubic yards) by the emission factor 0.04 lb/cubic yard (AP-42, Table 11.12-2, 10/86); and
- v. Sum a., b., c., and d.

If required testing shall be performed for stack emissions in accordance with 40 CFR Part 60 Appendix A Method-5.

- b. Emission Limitation -
3.3 ton PE/yr

Applicable Compliance Method -

The permittee shall demonstrate compliance with this emission limitation by the following method:

- i. Calculate emissions from cement unloading to elevated storage bins by multiplying the maximum annual cement loading rate (9500 tons) by the emission factor of 0.27 lb/ton (AP-42, Table 11.12-2, 10/86);
- ii. Calculate emissions from the transfer of sand and aggregate to elevated bins by multiplying the maximum annual loading rate (50,000 cubic yards) by the emission factor 0.05 lb/cubic yard (AP-42, Table 11.12-2, 10/86);
- iii. Calculate emissions from the weigh hopper loading by multiplying the maximum annual loading rate (50,000 cubic yards) by the emission factor 0.04 lb/cubic yard (AP-42, Table 11.12-2, 10/86);
- iv. Calculate emissions from the truck loading by multiplying the maximum annual loading rate (50,000 cubic yards) by the emission factor 0.04 lb/cubic yard (AP-42, Table 11.12-2, 10/86); and
- v. Sum a., b., c., and d.

The permittee shall demonstrate compliance by the monitoring and recordkeeping of the concrete production in Section C.2.

- c. Emission Limitation -
Visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average

Applicable Compliance Method -

40 CFR Part 60, Appendix A-Method 9

- d. Emission Limitation -
Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method -

40 CFR Part 60, Appendix A-Method 9

Hanson Aggregates Davon, Inc.

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F. Miscellaneous Requirements

None