State of Ohio Environmental Protection Agency

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

Street Address:
122 S. Front Street
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 07-00507

DATE: 11/15/2001

Hanson Aggregates Davon Inc
Jeff Parry
4281 Roush Rd
Hillsboro, OH 45133-9147

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

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

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

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

Very truly yours,

Thomas G. Rigo

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

CC: **USEPA** **PCHD**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 11/15/2001**
Terms and Conditions	**Effective Date: 11/15/2001**

FINAL PERMIT TO INSTALL 07-00507

Application Number:	07-00507
APS Premise Number:	0701000002
Permit Fee:	**$1000**
Name of Facility:	Hanson Aggregates Davon Inc
Person to Contact:	Jeff Parry
Address:	4281 Roush Rd Hillsboro, OH 45133-9147

Location of proposed air contaminant source(s) [emissions unit(s)]:
848 Plum Run Rd
Peebles, **Ohio**

Description of proposed emissions unit(s):
Overland conveyor for crushed stone: modification to install new field conveyors G and H (terms in this permit supercedes those identified in PTI 07-262 issued 11/06/91).

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

Pollutant	Tons Per Year
particulates	8.94

Emissions Unit ID: **F007**

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F007 - Overland conveyor for crushed stone with partially enclosed conveyors: modification to install new field conveyors A through H (terms in this permit supercedes those identified in PTI 07-262 issued 11/06/91)	OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 2.72 lbs/hr and 8.94 tons per year. See Section A.2.b & c below. The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.
	40 CFR Part 60, Subpart OOO	See Section A.2.a below.

2. Additional Terms and Conditions

2.a There shall be no visible particulate emissions of fugitive dust from belt conveyors or transfer points which exhibit greater than 10% opacity.

2.b Fugitive emissions at the transfer points shall be controlled by minimizing the drop height at the transfer points and good operating practices. Water sprays shall be installed and operated at such time fugitive emissions exceed 10% opacity.

2.c The aggregate materials processed through these conveyors shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer points, so that compliance with the opacity requirement(s) specified above is continuously maintained.

B. Operational Restrictions

1. The moisture content of the stone shall be a minimum of 3%.

2. The maximum process rate of the Overland Conveyor shall be 1,500 tons per hour (based on

monthly average, see C.3.b below).

3. The maximum annual operating hours for this emissions unit shall not exceed 6570, based upon a rolling, 12-month summation of the operating hours.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	547
1-2	1095
1-3	1642
1-4	2189
1-5	2737
1-6	3284
1-7	3832
1-8	4379
1-9	4927
1-10	5474
1-11	6022
1-12	6570

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall monitor the moisture content of the aggregate on a monthly basis. The moisture content analysis shall be performed in accordance with ASTM C-566, Standard Test Method for Total Moisture Content of Aggregate by Drying. The aggregate sample shall be obtained in accordance with ASTM D-75, Standard Method of Sampling Aggregates. The sample shall be collected at the primary crusher.

2. The permittee shall maintain monthly records of the following information:

a. the operating hours for each month;

b. during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month; and

c. after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the operating hours.

3. The permittee shall maintain monthly records of the following:

   a. the tons of aggregate processed per month; and

   b. the monthly average process rate in tons per hour for this emissions unit {aggregate processed in ton/month (from C.3.a above) divided by the operating hours in hours/month (from C.2.a above)}

D. Reporting Requirements

1. Pursuant to the NSPS, the permittee is hereby advised of the requirement to report the following at the appropriate times:

   a. construction date (no later than 30 days after such date);

   b. anticipated start up date (not more than 60 days or less than 30 days prior to such date);

   c. actual start up date (within 15 days of such date); and

   d. date of performance testing (if required, at least 30 days prior to testing).

   Reports are to be sent to:

   Ohio Environmental Protection Agency
   DAPC - Permit Management Unit
   P.O. Box 163669
   Columbus, Ohio 432116-3669

   and

   Portsmouth Local Air Agency
   740 Second Street
   Portsmouth, Ohio 45662

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the moisture content restriction.

3 The permittee shall submit deviation (excursion) reports that identify any exceedances of the maximum process rate limitation, as well as the corrective actions that were taken to achieve compliance.

4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative

operating hours each successive month, as required in the table in Section B.3.

5. The deviation (excursion) reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

E. Testing Requirements

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

1. Emission Limitation

no visible particulate emissions of fugitive dust from belt conveyors or transfer points which exhibit greater than 10% opacity

Applicable Compliance Method

Within 60 days of reaching maximum production, but not later than 180 days after initial start up, and at such times as may be required by the Director or Portsmouth Local Air Agency, the permittee shall conduct, or have conducted, an opacity test for the new transfer points of field conveyors A through H in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted using Method 9 of 40 CFR Part 60, Appendix A, and in accordance with the test methods and procedures specified in 40 CFR 60.675 and 40 CFR 60.11. The minimum distance between the observer and the emissions source shall be 15 feet. The minimum total time of observations shall be 3 hours (30 6-minute averages) for this initial performance test.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Portsmouth Local Air Agency. The ITT notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the dates(s) of the tests. Failure to submit such notification for review and approval prior to the tests may result in the Portsmouth Local Air Agency's refusal to accept the results of the opacity tests.

Personnel from the Portsmouth Local Air Agency shall be permitted to witness the tests. Personnel from this facility shall acquire data and information regarding the source operating parameters. Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity tests (including opacity levels and the

source operating parameters) shall be submitted to the Portsmouth Local Air Agency within 30 days following completing of the tests.

2. Emission Limitation

2.72 lbs/hr of particulate emissions

Applicable Compliance Method

Compliance with this limit shall be demonstrated by multiplying the potential process weight rate, of 1500 tons of stone per hour, times 18 transfer points, and times the emission factor for a controlled conveyor transfer point, 0.000048 lb PM_{10}/ton* (AP-42, Table 11.19.2-2, dated January 1995), and this multiplied by a factor of 2.1 to adjust PM_{10} for total particulate emissions. The controlled emission factor shall be applied during those months in which the permittee has demonstrated compliance with the 3% moisture content of aggregate materials processed, as required in Section C.1. If the ASTM test method demonstrates a much lower moisture content than is required in this permit, this emission factor may be adjusted, as it is determined appropriate, by the Portsmouth Local Air Agency.

*using the controlled factor for a wet suppression system, which, per AP-42, is equal to a moisture content range of 0.55 to 2.88 percent.

3. Emission Limitation

8.94 tpy particulates emissions

Applicable Compliance Method

Compliance with this limit shall be demonstrated by multiplying the allowable hourly particulate emission limitation by the actual operating hours of the overland conveyor system each year, and then dividing by 2000 pounds/ton; or compliance may be demonstrated by multiplying the PM emission factor, calculated from Section E.2 above, by the actual annual production of the overland conveyor system, and then dividing by 2000 pounds/ton.

4. Emission Limitation

10% opacity from any transfer point

Applicable Compliance Method:

Emissions Unit ID: **F007**

The initial compliance demonstration shall be determined using the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A, with the modifications listed in 40 CFR 60.675 Subpart OOO. If required, the Portsmouth Local Air Agency may request additional testing, in order to demonstrate continued compliance.

F. Miscellaneous Requirements

None