



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
PAULDING COUNTY
Application No: 03-13550**

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
Subpart 000	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 4/24/2001

Hanson Aggregates Midwest - Paulding Plt
Jeff Stoll
8130 Brint Road
Sylvania, OH 43560

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

NWDO



FINAL PERMIT TO INSTALL 03-13550

Application Number: 03-13550
APS Premise Number: 0363000001
Permit Fee: **\$700**
Name of Facility: Hanson Aggregates Midwest - Paulding Plt
Person to Contact: Jeff Stoll
Address: 8130 Brint Road
Sylvania, OH 43560

Location of proposed air contaminant source(s) [emissions unit(s)]:
RR2, County Road 180
Paulding, Ohio

Description of proposed emissions unit(s):
Aggregate Processing Plant (modification to allow for the installation of additional conveyor).

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	4.47

S-4 Screen to 8's Bin
 S-4 Screen to 6's Bin
 S-4 Screen to Conveyor C-8*
 Conveyor C-8 to Symons 4' Crusher*
 Conveyor C-11 to Conveyor C-2

 Conveyor C-910 to Conveyor C-12

*These transfer points are applicable to OAC Rule 3745-31-05(A)(3) and have the 10% opacity restriction, however are not included in the 4.47 TPY emission limitation. Due to the process flow, all of the product can either go to these transfer points or to another point in the process. Including them would result in counting the same emissions more than once at that stage of the process.

The Cedarapids Jaw Crusher, S-3 5x14 DD Deister Screen, S-4 5x14 DD Deister Screen, and Conveyor C-8 were all installed after Jan 1974 and are therefore subject to the requirements of OAC 3745-31-05(A)(3).

2.b The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F001. Best Available Technology (BAT) for this emission unit is considered to be the use of water sprays. Whenever inherent product moisture is not sufficient to comply with the opacity restrictions of this permit, the permittee shall apply water, or any other suitable dust suppressant at appropriate locations on the line.

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

2.c Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Hopper to Grizzly Feeder	Transfer Point	None	None
Grizzly to Primary Crusher	Transfer Point	None	None
Grizzly to Conveyor C-1A	Transfer Point	None	None
Primary Crusher to Conveyor C-1A	Transfer Point	10%	OAC Rule 3745-31-05

3042 Cedarapids Jaw Crusher	Primary Crusher	15%	OAC Rule 3745-31-05
Conveyor C-1A to Conveyor C-2A	Transfer Point	10%	NSPS, Subpart OOO
Conveyor C-2A to Conveyor C-3A	Transfer Point	10%	NSPS, Subpart OOO
Conveyor C-3A to Surge Pile	Transfer Point	No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period	OAC Rule 3745-31-05
Conveyor C-1 to 4x12 2 Deck Diester Screen	Transfer Point	None	None
4x12 2 Deck Diester Primary Screen	Screen	None	None
Primary Screen to Crusher	Transfer Point	None	None
Primary Screen to Conveyor C-3	Transfer Point	None	None
54" Eljay Cone Crusher	Secondary Crusher	None	None
Secondary Crusher to Conveyor C-2	Transfer Point	None	None
Conveyor C-2 to 6x16 2 Deck Diester	Transfer Point	None	None
6x16 Diester to Conveyor C-5	Transfer Point	None	None
6x16 Diester to Conveyor C-5	Transfer Point	None	None
6x16 Deck Diester Secondary Screen	Screen	None	None
6x16 Diester to Load Out Bin	Transfer Point	None	None
Conveyor C-5 to 5x14 2 Deck Diester	Transfer Point	None	None

5x14 2 Deck Diester Screen	Screen	10%	OAC Rule 3745-31-05
5x14 Screen to Conveyor C-6	Transfer Point	10%	OAC Rule 3745-31-05
5x14 Diester to 4' Symons Crusher	Transfer Point	10%	OAC Rule 3745-31-05
5x14 Diester to 4's Bin	Transfer Point	10%	OAC Rule 3745-31-05
5x14 Diester to 2's Bin	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-6 to 5x14 2 Deck Diester	Transfer Point	None	None
5x14 2 Deck Diester Screen	Screen	10%	OAC Rule 3745-31-05
5x14 2 Deck Diester to Conveyor C-7	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-7 to 4x8 1 Deck Diester	Transfer Point	None	None
4x8 1 Deck Diester Screen	Screen	None	None
4x8 to 9's Bin	Transfer Point	None	None
4x8 to 10's Bin	Transfer Point	None	None
5x14 Screen to 8's Bin	Transfer Point	10%	OAC Rule 3745-31-05
5x14 to 6's Bin	Transfer Point	10%	OAC Rule 3745-31-05
5x14 Screen to Conveyor C-8	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-8 to 4' Symons Crusher	Transfer Point	10%	OAC Rule 3745-31-05
4' Symons Cone Crusher	Tertiary Crusher	None	None
4' Symons to Conveyor C-11	Transfer Point	None	None
Product Bins to Conveyor C-910	Transfer Point	None	None
Sand Plant Bin to Conveyor C-14	Transfer Point	None	None

Conveyor C-14 to Sand Screw	Transfer Point	None	None
Screw to Cyclone	Transfer Point	None	None
Screw to Conveyor C-15	Transfer Point	None	None
Conveyor C-11 to Conveyor C-2 (re-circulation)	Transfer Point	10%	OAC Rule 3745-31-05
Conveyor C-910 to Conveyor C-12	Transfer Point	10%	NSPS, Subpart OOO

*Note: Compliance with the opacity restrictions for these emissions points shall be achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.

B. Operational Restrictions

1. The maximum annual aggregate throughput for this emission unit shall not exceed 2,628,000 tons. This restriction is based on the aggregate throughput of the Grizzly Feeder.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for emissions unit F001:
 - a. The total tons per month of material processed through the primary crusher of emissions unit F001.
 - b. The annual, year to date tons of material processed through the primary crusher of emissions unit F001 (sum of (a) for each calendar month to date from January to December).
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 frequencies:

<u>Material Handling Operation(s)</u>	<u>Minimum Inspection Frequency</u>
aggregate processing including crushing, screening, conveying	daily

3. The above mentioned inspections shall be performed during representative, normal operating conditions.
4. The permittee may, upon receipt of written approval from the Ohio EPA 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 basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any exceedances of the annual material throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit deviation reports which 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;
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
3. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for emissions unit f001:
 - 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 after 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
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and Ohio EPA, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

E. Testing Requirements

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

- a. Emission Limitation:
4.47 TPY PE

Applicable Compliance Method:

The emissions limitation is based on a maximum potential uncontrolled emission rate of 4.47 TPY PE. The maximum uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 11.19.2 (1/95) and a maximum annual throughput of 2,628,000 tons. Compliance shall be demonstrated through the monitoring and recordkeeping requirements in section C.1 of this permit.

- b. Emission Limitation:
10% opacity for transfer points and screens

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

- c. Emission Limitation:
15% opacity for crusher

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

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

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 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.

2. Emission Testing Requirements:

The permittee shall conduct or have conducted, emission testing for all applicable transfer points, screens, and crushers of emission unit F001.

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.

The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:

- a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, Division of Air Pollution control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit and "Intent to Test" notification to the Ohio Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

Personnel from the Ohio EPA District's Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emission unit and / or the performance of the control equipment. A comprehensive written report on the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Ohio Environmental Protection Agency, Division of Air Pollution Control within 30 days following completion of the tests.

F. Miscellaneous Requirements

Hanson Aggregates Midwest - Paulding Plt

PTI Application: 03-13550

Issued: 4/24/2001

Facility ID: 0363000001

Emissions Unit ID: F001

None

NEW SOURCE REVIEW FORM B

PTI Number: 03-13550

Facility ID: 0363000001

FACILITY NAME Hanson Aggregates Midwest - Paulding PltFACILITY DESCRIPTION Aggregate Processing Plant CITY/TWP PauldingSIC CODE 1422 SCC CODE 03-05-020-06 EMISSIONS UNIT ID F001EMISSIONS UNIT DESCRIPTION Aggregate Processing Plant (Modification to allow for the installation of additional conveyor)DATE INSTALLED 4/2001

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment		0.86		4.47
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart OOO

NESHAP?

PSD?

OFFSET POLICY?

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

Enter Determination The use of water spray and compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$ _____

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

YESX

NO

IDENTIFY THE AIR CONTAMINANTS: _____