Florida Department of Environmental Protection
Northwest District
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Pensacola, Florida 32502-5740

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Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

Hanson Pipe & Precast LLC
Lehigh Hanson
840 West Avenue
Deland, Florida 32720

Authorized Representative:
Mr. Charles Piwowarski,
Area Environmental Manager

Air Permit No. 0390039-004-AC
Permit Expires: July 15, 2016

Hanson Pipe & Precast, LLC - Gretna Facility
Minor Source Air Construction Permit
Project Name: Add Concrete Batch Plant and Portable Crusher

This is the final air construction permit, which authorizes the use of a portable crusher owned and operated by a third party and the addition of a concrete batching plant. The facility also is proposing to commence production of precast products in addition to pipes, and to update the description of existing emissions units to accurately define operations at the facility. The proposed work will be conducted at the Hanson Pipe & Precast, LLC Gretna Facility, which manufactures concrete pipe (Standard Industrial Classification No. 3273). The facility is located in Gadsden County at 55 Dritches-Hayes-Clary Avenue in Gretna, Florida. The UTM coordinates are Zone 16, 724.1 km East, and 3389.12 km North. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C., and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C., for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Pensacola, Florida

/s/ 7/15/11

Rick Bradburn, Air Program Administrator (Date)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on July 15, 2011 to the persons listed below.

Charles Piwowarski, Lehigh Hanson: charles.piwowarski@hanson.com
Terry Hightower, Hanson Pipe & Precast: terry.hightower@hanson.com
Aubrey Jones, Trinity Consultants: ajones@trinityconsultants.com
Brad James, P.E., Trinity Consultants: bjames@trinityconsultants.com
DEP Northwest District Branch Office, Tallahassee

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

/s/ 7/15/11

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

Hanson Pipe & Precast, LLC operates a concrete pipe production plant. The Hanson Gretna facility comprises concrete batching operations, pallet spraying, header dipping and pipe coating operations.

Facility ID No. 0390039	
ID No.	**Emissions Unit Description**
001	Concrete Batching Operations
002	Pallet Spraying Operations
003	Pipe Coating Operations
004	Header Dipping Operations

Proposed Project

Hanson is proposing to add a new concrete batching plant to the Gretna facility. The concrete batching plant will include one cement storage silo with two compartments, a weigh hopper and a concrete mixer. To aid in the removal of waste concrete (clean debris) from the facility, Hanson is proposing to bring a contracted portable crusher on site. The portable crusher will be brought on site as needed by a third party and will operate under its current air general permit issued by the Department.

Hanson is requesting updates to the description of the existing emissions units defined in the FESOP to more accurately define the operations. Hanson is proposing to commence production of other precast concrete products in addition to pipes at the Gretna facility. To provide heat for curing precast products, Hanson is proposing to add one new propane-fired steam generator (the facility currently has an existing exempt propane-fired steam generator). The steam generator unit has a maximum heat input capacity of 2.5 MMBtu/hr and is categorically exempt from permitting per Rule 62-210.300(3)(a)33, F.A.C. This proposed construction project will result in emissions increases for PM of 8.82 tons per year, for NOx of 6.57 tons per year, and for CO of 1.28 tons per year.

{Permit Note: Facility underwent a name change from Hanson Pipe & Precast SE to Hanson Pipe & Precast LLC.}

Facility ID No. 0390039	
ID No.	**Emissions Unit Description**
005	Concrete Batch Plant #2
006	Portable Concrete Crushing System
007	Forming and Coating Operations

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- If the engine brought on site with the Portable Concrete Crushing System (EU 006) remains on site for more than 12 consecutive months and was manufactured after April 1, 2006 or modified or reconstructed

after July 11, 2005, it will be subject to the requirements of Title 40, Code of Federal Regulations (CFR), Part 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. As long as the permittee operates and maintains the engine according to the manufacturer's instructions or procedures over the entire life of the engine and the manufacturer keeps their certification, the engine is not required by the federal rule to demonstrate compliance with emission limits.

- If the engine brought on site with the Portable Concrete Crushing System (EU 006) remains on site for more than 12 consecutive months, it is subject to Title 40, Code of Federal Regulations, Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. An engine is considered existing if construction or reconstruction of the engine commenced before June 12, 2006. An engine is considered new if it was constructed or reconstructed on or after June 12, 2006. A new engine must comply with 40 CFR 60 subpart IIII. As of the effective date of this permit, the Federal rule pertaining to existing engines has not been adopted by the State of Florida.

1. Permitting Authority: The permitting authority for this project is the Northwest District Air Resource Management Program, Florida Department of Environmental Protection (Department). The District's mailing address is 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740. All documents related to applications for permits to operate an emissions unit shall be submitted to the District Office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the District Office at the above address or nwdair@dep.state.fl.us.
3. Appendices: The following Appendices are attached as part of this permit:
    a. Appendix A. Citation Formats and Glossary of Common Terms;
    b. Appendix B. General Conditions;
    c. Appendix C. Common Conditions; and
    d. Appendix D. Common Testing Requirements.
    e. Appendix E. 40 CFR 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
    f. Appendix G. 40 CFR 60 Subpart A – General Provisions
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: Permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Facility-Wide Recordkeeping for VOC and HAP Emissions: Permittee shall maintain complete recordkeeping for activities that contribute to the generation of VOC and HAP emissions. Supporting

information such as MSDS and product information sheets necessary to quantify the emissions for VOC and HAP shall be retained as part of the record keeping. This information shall be maintained for a period of five years. A 12-month rolling average will be kept on all VOC and HAP. Record keeping for VOC- and HAP-containing material will include quantity received, beginning inventory and ending inventory. If Permittee does not maintain a monthly inventory record, monthly receipts will be the quantity used and emitted. Permittee will calculate the total facility quantities, each, of VOC, HAP and individual HAP emissions. This information shall be available no later than the last working day of the month following the end of each calendar month, and shall be made available for inspection upon request by the Department. [Rules 62-4.210(2) and 62-213.420(3)(c)3, F.A.C.]

8. Facility-Wide VOC and HAP Limitations: The facility shall not exceed the following permit limitations:

Pollutant	Annual Emissions (Tons per any consecutive 12-month period)
VOC	99
HAP (Individual)*	9.0
HAP (Total)	24.0

**Individual HAPs include but are not limited to Glycol Ether, Ethylbenzene and Xylene.*

[Rules 62-4.070 & 62-210.200(Major Source; "Title V"), F.A.C., and requested by Permittee to avoid Title V permitting]

9. Source Obligation:
   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C.]

A. Concrete Batch Plant #2

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
005	Concrete Batch Plant #2

Hanson is proposing to add a new concrete batching plant to the Gretna facility. The new concrete batching plant will include one split storage silo with two compartments for the storage of cement and cement supplement, a weigh hopper and a concrete mixer. Cement and cement supplement delivered to the Gretna facility via tanker truck will be pneumatically loaded into the split silo. Each silo compartment will be controlled by a separate WAM Corp. FC3J 24-250 pulse jet baghouse with an exhaust flow rate of 1,500 actual cubic feet per minute (acfm) and an air to cloth ratio of 6:1. Sand and aggregate will be transferred from stockpiles via front loader to one of four elevated feed bins via enclosed conveyor. Sand and aggregate from the feed bins will then be transferred to the mixer via skip bucket. Cement and cement supplement from the storage silo then will be transferred to the weigh hopper via gravity feed. The material will then be gravity fed from the weigh hopper and the skip bucket to the mixer where it will be combined with water to make concrete. The mixed concrete is loaded into trucks for distribution. The weigh hopper and mixer loading operations will be controlled by a single WAM Corp. FC2J07-65 pulse jet baghouse with an exhaust flow rate of 350 acfm and an air to cloth ratio of 6:1. The concrete batch plant has a maximum production capacity of 394,200 cubic yards of concrete per year (yd^3/yr).

EQUIPMENT

1. Concrete Batch Plant: Permittee is authorized to construct a concrete batch plant to provide concrete to produce concrete pipes and precast concrete products. The new concrete batching plant will include one split storage silo with two compartments for the storage of cement and cement supplement, a weigh hopper and a concrete mixer. Each silo compartment will be controlled by a separate WAM Corp. FC3J 24-250 pulse jet baghouse (or equivalent) with an exhaust flow rate of 1,500 actual cubic feet per minute (acfm) and an air-to-cloth ratio of 6:1. The weigh hopper and mixer loading operations will be controlled by a single WAM Corp. FC2J07-65 pulse jet baghouse with an exhaust flow rate of 350 acfm and an air to cloth ratio of 6:1. [Application No. 0390039-004-AC]

PERFORMANCE RESTRICTIONS

2. Restricted Operation: The hours of operation are not limited (8,760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

3. Visible Emissions Limit (Opacity): Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5% opacity. [Rules 62-4.070(3) and 62 -296.414(1), F.A.C.]

4. Unconfined Emissions: The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards as required by paragraph 62-296.320(4)(c), F.A.C. For concrete batching plants the following shall constitute reasonable precautions:

   a. Management of roads, parking areas and yards, which shall include one or more of the following:
      1. Paving and maintenance of roads, parking areas and yards.
      2. Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.

3. Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate mater.
4. Reduction of stock pile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles.

b. Use of spray bar, chute or partial enclosure to mitigate emissions at the drop point to the truck (if dry materials are being loaded).

[Rules 62-4.070(3) and 62 -296.414(2), F.A.C., and permit application 0390039-004 -AC]

TESTING REQUIREMENTS

5. Initial Compliance Tests: The emissions unit shall be tested to demonstrate initial compliance with the opacity standard for each dust collector exhaust point. The initial tests shall be conducted within 30 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

6. Annual Compliance Tests: During each federal fiscal year (October 1 to September 30), the emissions unit shall be tested to demonstrate compliance with the emissions standards for opacity. [Rule 62-297.310(7)(a)4, F.A.C.]

7. Test Requirements: Permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Notification may be sent via e-mail to nwdair@dep.state.fl.us. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

8. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rules 62-204.800 and 62-297.401, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800, 62-297.100 and 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

9. Additional Testing Requirements for Concrete Batching Plant: Visible emissions tests of silo dust collector exhaust points shall be conducted while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice. If emissions from the weigh hopper (batcher) operation are also controlled by the silo dust collector, the batching operation shall be in operation during the visible emissions test. The batching rate during the emissions test shall be representative of the normal batching rate and duration. Each test report shall state the actual silo loading rate during emissions testing and, if applicable, whether or not batching occurred during emissions testing.

   The weigh hopper and mixer loading operations are controlled by a dust collector which is separate from the silo dust collectors, visible emissions tests of the weigh hopper and mixer dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.
   [Rule 62-296.414(3)(c)&(d), F.A.C.]

RECORDS AND REPORTS

10. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]

B. Portable Concrete Crushing System

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
006	Portable Concrete Crushing System

The portable crusher will be brought on site as needed by a third party and will operate under its current air general permit issued by the Department. The portable crusher is subject to New Source Performance Standards (NSPS), Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants.

The portable unit will not be located at the Gretna facility for more than six consecutive months, based on an operation limitation in the air general permit for the unit. Therefore, the engine is a non-road engine as defined in 40 CFR §1068.30 and 40 CFR Part 63subpart ZZZZ (RICE). 40 CFR Part 60 subpart IIII applies to stationary compression ignition internal combustion engines that are not non-road engines.

According to Rule 62-210.310(5)(e)5, F.A.C., under the authority of an air general permit, a relocatable nonmetallic mineral processing plant may perform a non-routine task, such as crushing concrete for a demolition project, at a facility with authorization by individual air construction or non-Title V air operation permit without revision to the facility's individual air permit. Any such nonmetallic mineral processing plant shall not be deployed at a single site for more than six months in any consecutive 12 months. The owner or operator of such nonmetallic mineral processing plant shall keep records to indicate how long the plant has been at the permitted facility.

EQUIPMENT

1. Crusher System: Permittee is authorized to use only one Crusher System at this site at any time, which includes unloading area, hopper, screeners, conveyors, crusher and storage piles. Screeners, separate from the crusher system, may be used on site concurrently with the crusher system. [Application No. 0390039-004-AC]

PERFORMANCE RESTRICTIONS

2. Hours of Operation: The total on-site hours of operation of all Portable Crusher Systems are restricted to no more than 975 hours per consecutive 12-month period. [Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and Application No. 0390039-004-AC]
3. Material: The unit is authorized to crush waste concrete debris at the Gretna facility. The crushing of RAP at the facility is prohibited. [Application No. 0390039-004-AC]
4. Maximum Annual Throughput Rate: The maximum throughput rate shall be limited to 195,000 tons per 12-month rolling total of waste concrete debris. [Rule 62-4.070(3), F.A.C., Application No. 0390039-004-AC]
5. Florida Air Permit Requirement: Authorization for Crusher Operations. The operation of any currently Air General (AG)-permitted crusher unit is allowed as long as the following criteria are complied with:
   a. Collocation Requirements. Collocation of the crusher and pipe and precast facility does not create a Title V source;
   b. Requirements. The crusher meets the requirements of this permit and its AG permit.
   c. Notification. The portable crusher owner or operator shall notify the Department's Northwest District in writing prior to the relocation of a crusher to this facility's site, in addition to meeting the relocation notification requirements of Rule 62-210.310(c)(5)3.f, F.A.C.

   [Rule 62-4.070(3), F.A.C.]

EMISSIONS STANDARDS

6. Emissions Standards: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO:

Brief Description	Maximum Percent Opacity	
Portable Crusher	15%[1]	12%[2]
*Hopper (Non-40 CFR Subpart OOO)	<20%	
All conveyor Belt Transfer Points	10%[1]	07%[2]
All Screens	10%[1]	07%[2]
All other Non-NSPS Points	<20%	
325HP Diesel Engine	<20%	

[1] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008.
[2] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction on or after 4/22/2008.
[Rules 62-210.200 ("Potential to Emit") and 62-296.320(4)(b), F.A.C.; 40 CFR 60.672]

**Permitting Note: Visible emissions from the transfer of material into the hopper and onto the coarse and fine storage piles are covered under the facility-wide visible emission limitation of 20%. These transfer points do not require visible emission testing.*

7. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: The opacity standards stated above (Section 3; B.7), apply at all times except during periods of startup, shutdown, and malfunction of the emissions unit. [40 CFR 60.11(c), and Rule 62-204.800(8), F.A.C.]

8. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: The owner or operator shall comply with the applicable requirements of 40 CFR 60, Subpart A – General Provisions (see attached Appendix E). [40 CFR 60.1 (a) and Rule 62-204.800(8), F.A.C.]

TESTING REQUIREMENTS

9. Visible Emissions Test Requirements: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: In order to determine compliance with the visible emission limitations for the crushing system that is brought on site, Permittee shall maintain on site either documentation of the most recent annual visible emissions test that complies with the crushing system's General Permit requirements prior to locating at this site or shall test on site. The most recent test shall not be older than the previous federal fiscal year. [Rule 62-4.070 (3) F.A.C.]

10. Off-Site Test Requirements: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: An off-site test may be accepted by the Department provided the required documentation listed in Records and Reports below can be provided to the

Compliance Authority with the test report. In addition, the crushing system must have been tested while operating with the same or more emission points and equipment that will be operating while on site. If an off-site visible emissions test is used to demonstrate compliance the crusher shall not be operated at rates greater than 110% of the actual processing rate measured during that test. [Rule 62-4.070 (3) F.A.C.]

11. On-Site Test Requirements: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: If adequate documentation is not available, Permittee shall test for visible emissions as soon as possible but no later than 30 days of placing the crushing system into operation after the effective date of this permit. Once tested, the crushing system may not operate in a configuration that has more pieces of equipment and/or emission points than were operating during the test unless a new compliance test is conducted with the greater number of pieces of equipment and/or emission points. If the crusher remains on site, the crushing system shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) the crushing system is on site. [Rules 62-4.070(3) and 62-297.310 (7)(a), F.A.C.]

12. Visible Emission Testing Requirements: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: On-site visible emission testing shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit and shall also comply with the following:
    a. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with the VE opacity limit must be based on the average of the five 6-minute averages.

    [Rules 62-297.310(4), and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

13. Test Methods: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; Appendix A-4 of 40 CFR 60]

MONITORING REQUIREMENTS

14. Monitoring Requirements: If any affected piece(s) of equipment of the Concrete Crushing System (i.e., crusher, screen or conveyor belt) was constructed, modified or began reconstruction on or after April 22, 2008, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection. [40 CFR 60.674(b)]

NOTIFICATION REQUIREMENTS

15. On-Site Test Notification: Permittee shall notify the Compliance Authority in writing at least 15 days prior to any required on-site tests. The notification must include the following information: the date, time and

location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and, the name, company and telephone number of the person conducting the test. The notification should also include the relevant emissions unit ID No(s)., test method(s) to be used, and pollutants to be tested. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

16. On-Site Test Report Requirements: Permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirement specified in Appendix D (Common Testing Requirements) of this permit. The test report must include the following:
    a. owner name;
    b. current Air General Permit number;
    c. manufacturer's maximum rated capacity for any material *(i.e. the rated TPH capacity of the material with the highest processing rate)*;
    d. date each affected piece of equipment of the crushing system commenced construction, modification or reconstruction;
    e. type of material processed;
    f. actual material handling rate during the test period (tons/hour);
    g. configuration of the crushing system during the test to include specific pieces of equipment, emission points and/or a process flow diagram; and,
    h. a copy of the operating logs for the day and month the test was conducted.

    [Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

17. Off-Site Concrete Crushing System Test Reports: When demonstrating compliance by the visible emissions test, Permittee shall maintain a copy of the most recent VE test report for each crushing system that operated on site. [Rule 62-4.070(3) F.A.C.]

18. Crusher Operation Records: In order to document crusher compliance, Permittee shall require the crushing contractor to record and provide to the permittee the following, while the crushing system is on site:
    a. facility name, facility ID No., emissions unit ID No., crushing system owner's name, Florida General or non-Title V Air Operation Permit No., crushing system serial number and any other identification information so each crushing system can be clearly distinguished from another crushing system;
    b. operating configuration while on-site to include specific pieces of equipment, emission points;
    c. date of most recent visible emissions test and a copy of the test report;
    d. date brought on site, date removed from site.
    e. hours of operation: per day*, per month and per rolling 12-month total; and,
    f. concrete throughput in tons: per day*, per month and per rolling 12-month total;

    This information shall be available no later than the last working day of the month following the end of each calendar month and shall be made available for inspection upon request by the Department. *If the crushers' engines have run-time hour meters, it is acceptable to log, on the last day of each month, the run hours reading and not have a daily hour's entry in the log.
    [Rule 62-4.070(3) F.A.C.]

19. Monitoring Records: This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: If any affected piece(s) of equipment of the Concrete Crushing System was constructed, modified or began reconstruction on or after April 22, 2008, the owner or operator must

record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. [40 CFR 60, 60.674(b)]

C. Forming and Coating Operations

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
007	Forming and Coating Operations

The Gretna facility operations also include pallet spraying (EU 002), header dipping (EU 003) and pipe forming and coating operations (EU 004). In order to more accurately define the operations, Hanson requests that each of these separate emissions units be combined into one emission unit in the FESOP and be referred to as the "Forming and Coating Operations." The Gretna facility currently produces concrete pipes; but is proposing to commence production of other precast concrete products in addition to pipes. No change in actual or potential emissions will occur from the existing emission units as a result of producing precast concrete products, as the only difference is the use of different shaped molds in the forming process. In order to provide heat for curing precast products Hanson is proposing to add one new propane-fired steam generator (the facility currently has an existing exempt propane-fired steam generator). The unit has a maximum heat input capacity of 2.5 MMBtu/hr and is categorically exempt from permitting per Rule 62-210.300(3)(a)33, F.A.C.

PERFORMANCE RESTRICTIONS

1. Hours of Operation: The hours of operation of operation are not limited (8,760 hours per year). [Rules 62-4.160(2), 62-210.200(PTE), F.A.C., and Application No. 0390039-004-AC]

EMISSIONS STANDARDS

2. Total volatile organic compounds (VOC) and hazardous air pollutants (HAP) emissions shall not exceed limits established in **Section 2,** Facility-Wide VOC and HAP Limitations. [Rules 62-4.160(2), 62-4.070, 62-210.200(PTE), F.A.C., and requested by Permittee to avoid Title V permitting]

RECORDS AND REPORTS

3. VOC and HAP emissions shall be tracked on logs commencing from the date of issuance of this permit with monthly materials usage and emission calculations based on the VOC and HAP content (wt %) of the materials used or purchased based on MSDS information. At a minimum, the logs shall include:
   - Identification of the materials (solvent, coatings) used.
   - Quantity and composition of the materials used and if different materials received at plant site identifying total VOC content, total HAP content, and individual HAP content for each material.
   - A 12-month rolling average accounting of the material used shall be documented through purchase receipts, records and sales receipts, the amount of material purchased during the computational period, and the amount of material disposed of in the liquid phase during such period.
   - Total VOC, total HAP, and individual HAP emissions based on materials used or purchased.

[Rule 62-210.370(2)(c)]

4. Monthly summaries and rolling 12-month totals shall be certified and signed by a responsible company representative to be accurate and truthful calculated representations of total emissions. Monthly summaries and rolling 12-month totals of emissions shall be kept and maintained for Department inspection for at least five years.

C. Forming and Coating Operations

5. Permittee shall install, use and maintain appropriate systems to gather data necessary to track VOC and HAP emissions as specified in this section and established in **Section 2,** Recordkeeping for VOC and HAP Emissions. At Permittee's request, Permittee shall assume that all VOC- and HAP-containing products are used the same month as they are purchased. Supporting documentation including Material Safety Data Sheets, purchase orders, etcetera, shall be kept to include sufficient information to verify the emission summaries and to determine compliance. [Rules 62-4.070 and 62-210.200 (PTE), F.A.C.]