FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

NOTICE OF PERMIT ISSUANCE

Electronic Mail
Received Receipt Requested

Hanson Roof Tile, Inc.
840 West Avenue
Deland, Florida 32720

Authorized Representative:
Charles Piwowarski,
Regional Environmental Manager

Air Permit No. 0710012-006-AF
Permit Expires: October 24, 2018

Hanson Roof Tile – Fort Myers
Federally Enforceable (FESOP) Air
Operation Permit - Renewal

Dear Mr. Piwowarski:

This is the final Federally Enforceable State Air Operation (FESOP) permit which is a renewal of previous air operation permit No. 0710012-005-AF, Issued 12/08/2008. This FESOP air operation permit authorizes the operation of the facility that includes a Concrete Batching Operation, and a Roof Tile Forming and Coating Operation. (Standard Industrial Classification No. 3250 & 3272), that meets the requirements of a Synthetic Minor Non Title V, Federally Enforceable State Operating Permit (FESOP), [based upon volatile organic compound (VOC) and hazardous air pollutants (HAP) emission limitations]

This facility is located at 2451 Crystal Drive, Fort Myers, Florida, Lee County

The UTM coordinates are Zone 17, 414.7 km East, and 2938.7 km North. Latitude 26º 33' 59" N, Longitude 81º 51' 23" W.

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 operation 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, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to operate the facility 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.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Under Rule 62-110.106(4), Florida Administrative Code, a person may request an extension of the time for filing a

petition for an administrative hearing. The request must be filed (received by the Clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Section 120.60(3), Florida Statutes, however, also allows that any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for an extension of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information, as indicated in Rule 28-106.201, Florida Administrative Code:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the determination;
(c) A statement of when and how the petitioner received notice of the Department's decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's proposed action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for an extension of time) is filed in accordance with the above. Upon the timely filing of a petition (or request for an extension of time), this permit will not be effective until further order of the Department.

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, 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 of appeal must be filed within 30 days from the date when this permit action is filed with the Clerk of the Department.

Executed in Fort Myers, Florida.

_____ _____

Jon M. Iglehart
Director of
District Management

Date

JMI/CBE/jl

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Permit Issuance package (including the Permit) was sent by certified mail (*) and 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 October 25, 2013 to the persons listed below.

Paul Carpenter, Hanson Roof Tile, Inc. *
Charles J. Piwowarski, Hanson Roof Tile, Inc. (Charles.piwowarski@hanson.com)
Ana Oquendo, EPA Region 4 (oquendo.ana@epamail.epa.gov

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.

_____ _____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The facility is a concrete roof tile manufacturing facility, which consists of a concrete batch plant, concrete tile forming operation and concrete tile coating operations. (Hanson Roof Tile, Inc. was previously permitted as a non-Title V facility under general permit No. 0710012-003-AG). Hanson Roof Tile, Inc. is permitted as a Federally Enforceable State Operating Permit (FESOP) to add their concrete roof tile forming and coating operation. The facility is synthetically limited to keep it out of the Title V status by the establishment of facility-wide permit limitations that are below the Major Source (Title V) thresholds. Volatile organic compounds (VOC) emissions will be limited to 99.0 tons per year (less than the 100 tons per year Title V threshold) and Total hazardous air pollutants (HAP) emissions will be limited to 24.0 tons per year (less than 25 tons per year Title V threshold) and individual HAP will be limited to 9.0 tons per year (less than 10 tons per year Title V threshold). Emissions calculations are based on record keeping and compliance testing is required to demonstrate compliance.

Sand is transferred from small feeding hoppers via a conveyor belt and discharged direct into a mixer. Cement is fed via screw conveyors from storage silos into a separate weigh hopper, which combines the proper amounts of each material. The combined sand and cement materials are then conveyed to the mixer where water is added to create concrete. Color pigments are added to specific concrete batches. These pigments have a specific metal, hazardous air pollutant (HAP) content, (identified by the MSDS document for the material).

The concrete roof tiles are produced by extruding the produced concrete onto die-cast aluminum molds. The extrusion machine drives the molds under the extrusion head. To avoid adhesion of the concrete, “Mold Oil” is applied to the tile molding, from which fugitive VOC is emitted prior to entering the extrusion head. After leaving the extrusion (forming) operation, the extruded roof tiles are conveyed into the propane fired curing chambers which have a maximum heat input rating of 4.0 MMBtu/hr. The “wet-on-dry” curing membrane (sealer) is then coated onto the cured concrete tiles. The roof tile forming and coating operations are completed inside the building. The fugitive emissions from the curing membrane (sealer) contain volatile organic compounds (VOC). Fugitive particulate emissions are minimal and sources are identified as sand storage pile transfers, sand hopper loading, sand piles wind erosion and road emissions primarily by truck traffic. (This is paved roads).

The concrete batch plant has two (2) baghouses (one (1) for each silo), to control particulate matter (PM) emissions, however there is no pollution control equipment for the concrete roof tile forming and coating operations. The emissions from the forming and coating operations are based on the amount of VOC and HAP contained in the materials/chemicals used. Recordkeeping is required to account for all material used and totaled for VOC and HAP emissions.

Form oil is used during the concrete roof tile forming process. The forming operation uses VOC-containing chemical called “Form oil”. Concrete forms and cores are coated with form oil to ease in the removal of concrete tiles from the forms.

The facility meets the requirements of a Synthetic Minor Non Title V, Federally Enforceable State Operating Permit (FESOP), [based upon volatile organic compound (VOC) and hazardous air pollutants (HAP) emission limitations]. Potential annual emissions of volatile organic compounds (VOC) are <u>capped at 99.0 tons</u>, total hazardous air pollutants (HAPs) <u>capped at 24.0 tons</u>, and individual HAP emissions are <u>capped at 9.0 tons</u> for consecutive 12-month periods to allow the emissions to remain as a “Synthetic Minor” limitation. The permittee will track the usage rate of the curing membrane and mold oil each month to determine the rolling 12-month VOC emissions to demonstrate compliance with the requested emission limitation. This compliance is required to allow the facility to be below the threshold levels of the Non-Title V, Federally Enforceable State Operating Permit (FESOP) requirements. Particulate matter (PM) is minimal at approximately 2.34 tons/year facility wide. The facility consists of three (3) operations that are defined as the following emission units (EU):

Facility ID No. 0710012	
ID No.	**Emission Unit Description**
001	Concrete Batch Plant (With two (2) cement silos, baghouses and mixer.)
002	Roof Tile Forming Operations
003	Roof Tile Coating Operations
004	EXEMPT- Emergency Generator, Diesel powered, 500 KW

NOTE: Please reference Permit No., Facility Name, and Emission Unit ID No. in all correspondence, test report submittals and correspondence.

Facility Regulatory Classification

- The facility is 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.

NOTE: 1. This is a Federally-Enforceable State Operation (FESOP) classification. The facility is NOT subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) do NOT apply to this facility. This facility is classed as a Synthetic Minor Source for HAPs, and Synthetic Minor Source of Pollutants Other than HAPs.

NOTE: 2. The propane burner used to produce heat for the curing oven (see Roof Tile Coating Operation, EU 003, Subsection C), is EXEMPT from air permitting based upon Rule 62-210.300(3)(a)33, F.A.C. since the propane burner has a heat capacity of 4.0 MMBtu/hr which is less that the 10 MMBtu/hr rule threshold.

1. Permitting Authority: The permitting authority for this project is the Engineering and Permitting Section, South District, Florida Department of Environmental Protection (Department). The Engineering and Permitting Section South District's mailing address is P.O. Box 2549, Fort Myers, Florida 33902-2549. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District Office.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office. The mailing address and phone number of the South District Office is: P.O. Box 2549, Fort Myers, Florida 33902-2549, Telephone 239/344-5600.

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.

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, 62-213, 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: 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. 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 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.]

8. Renewal. Prior to sixty (60) days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty (60) days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the Department. [Rule 62-4.090, F.A.C.]

The Following Conditions apply facility-wide:

Summary of Facility-Wide Potential Emissions

Pollutant	Potential Emissions (tpy)
PM (w/out fugitives)	(Not limited) 2.24
PM10 (w/out fugitives)	(Not limited) 0.79
PM (W/fugitives)	(Not limited 5.30
PM10 (W/fugitives)	(Not limited) 1.42
NOx	(Not limited) 2.71
SO2	(Not limited) 0.19
CO	(Not limited) 0.37
*VOC (capped)	(Capped) 99.0
*Individual HAP (capped)	(Capped) 9.0
*Total HAP (capped)	(Capped) 24.0

The facility shall not exceed the following permit limitations:

Pollutant	Maximum Allowable
VOC	99.0 tons per
HAP	9.0 (single HAP) or 24.0 (total HAPs) tons per year

[Rules 62-4.070 & 62-210.200(164), F.A.C. and requested by Permittee to avoid Title V permitting]

EMISSION UNIT 001

This section of the permit addresses the following emissions unit.

	Emission Unit Description
001	Concrete Batch Operations

The concrete batching operation includes equipment for producing batches of concrete. This equipment includes two (2) cement storage silos (700 barrel and 350 barrel capacities) which receive pneumatically conveyed cement. The sand is stored in bulk and transferred via front-end loader to small feeding hoppers. Two (2) dust collection systems (one (1) for each silo), (Belgrade Dust House, baghouse, rated at 99% efficiency,) provide control of particulate matter (PM) emissions during the filling operations of each silo. Feeders, weigh hopper (with dust sock filter), belt conveyors, screw conveyors and mixer are an integral part of the cement batch plant. Separately, small feeding hoppers are charged with sand and this sand is transferred via a conveyor belt to a holding hopper and discharged directly into the mixer. The combined cement and sand material are conveyed to the mixer where water is added to create concrete. Color pigments are added to specific concrete batches.

PERFORMANCE RESTRICTIONS

1. Permitted Capacity: There is no limit on capacity, however potential throughput of the mixer is 200,263 tons/year. [Rule 62-210.200(PTE), F.A.C.]
2. Authorized Fuel: Electric
3. Restricted Operation: The hours of operation of are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4. Emissions Standards:

   Visible Emissions. Visible emissions from silos, weigh hoppers (batchers), and other enclosed storage, and conveying equipment shall not exceed 5% opacity.
   [Rule 62-296.414, F.A.C.

TESTING REQUIREMENTS

5. Annual Compliance Tests: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for particulate emissions. (PM). [Rule 62-297.310(7) (a)4, F.A.C.]
6. Compliance Tests Prior to Renewal. This emissions unit shall be tested for the following pollutants prior to obtaining a renewed operation permit: Particulate Emissions (PM) [Rule 62-297.310(7)(a)3., F.A.C.]
7. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. 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 Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

RECORDS AND REPORTS

9. **Recordkeeping and Reporting Requirements**

23.1 All required records shall be maintained on site for at least five (5) years from the recorded date and made available as necessary for Department inspection.
[Rule 62-4.070, F.A.C.]

EMISSION UNIT 002

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	Roof Tile Forming Operations

The concrete roof tiles are produced by extruding concrete onto die-cast aluminum molds. The extrusion machine drives the molds under the extrusion head for forming. To avoid adhesion of the concrete, "form oil" is applied to the tile molding. Beyond the extrusion head, with the molds still end to end, a flying guillotine cuts through the moving ribbon and separates the ribbon into individual tiles. The fugitive emissions from the form oil and coating materials include VOC and multiple HAPs.

PERFORMANCE RESTRICTIONS

1. Permitted Capacity: There are no limits on capacity. [Rule 62-210.200(PTE), F.A.C.]
2. Authorized Fuel: Electric [Applicant Request; Rule 62-210.200(PTE), F.A.C.]
3. Restricted Operation: The hours of operation of are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4. Emissions Standards:

   Total volatile organic compounds (VOC) for the facility shall not exceed 99.0 tons per year (tpy), and the total hazardous air pollutants (HAPs) shall not exceed 24.0 tons per year (tpy) and each individual HAP shall not exceed 9.0 tons per year.
   [Rules 62-4.160(2), 62-4.070, 62-210.200(PTE), F.A.C. and requested by Permittee to avoid Title V permitting]

TESTING REQUIREMENTS

5. The delivery receipts, MSDS and product information sheets from the suppliers of the form oil shall be the accepted documentation for VOC and HAP.

RECORDKEEPING AND REPORTING REQUIREMENTS

5.1 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 based on MSDS information. As a minimum, the logs shall include:

a) Identification of the raw materials (solvent, coatings) used
b) 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.
c) A twelve (12) month rolling average accounting of the raw material used shall be documented through purchase receipts, records and sales receipts, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
[Rule 62-210.370(2)(c)]

5.2 Monthly summaries and rolling twelve-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 twelve-month totals of emissions shall be kept and maintained for Department inspection for at least five years.
{Permit Note: If the total HAP emissions (each months rolling 12 month total) are calculated at below 10 tons/year, there is no need for the individual HAP emissions to be calculated and recorded.}

EMISSION UNIT 003

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
003	Roof Tile Coating Operations

The roof tile coating operations receive the formed tiles which are then conveyed into the propane fired rotary curing chambers which have a maximum heat input rating of 4.0 million British thermal units per hour (MMBtu/hr). The "wet-on-dry" curing membrane (sealer) is then coated onto the cured tiles. (The roof tile coating is performed inside of the building). Fugitive emissions from the curing membrane (sealer) includes VOC.

The propane burner used to produce heat for the curing oven (see Roof Tile Coating Operation, EU 003, Subsection C), is EXEMPT from air permitting based upon Rule 62-210.300(3)(a)33, F.A.C. since the propane burner has a heat capacity of 4.0 MMBtu/hr which is less that the 10 MMBtu/hr rule threshold.

PERFORMANCE RESTRICTIONS

1. Permitted Capacity: There is no limit on capacity. [Rule 62-210.200(PTE), F.A.C.]
2. Authorized Fuel: Electric & Propane (Propane not to exceed 1.3 million gallons per year). [Rule 62-210.200(PTE), F.A.C.]
3. Restricted Operation: The hours of operation of are not limited (8760 hours per year).[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4. Emissions Standards:

   Total volatile organic compounds (VOC) for the facility shall not exceed 99.0 tons per year (tpy), and the total hazardous air pollutants (HAPs) shall not exceed 24.0 tons per year (tpy) and each individual HAP shall not exceed 9.0 tons per year.
   [Rules 62-4.160(2), 62-4.070, 62-210.200(PTE), F.A.C. and requested by Permittee to avoid Title V permitting]

TESTING REQUIREMENTS

5. The delivery receipts, MSDS and product information sheets from the suppliers of the coating materials shall be the accepted documentation for VOC and HAP.

RECORDKEEPING AND REPORTING REQUIREMENTS

5.1. 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 based on MSDS information. As a minimum, the logs shall include:

a) Identification of the raw materials (solvent, coatings) used
b) 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.
c) A twelve (12) month rolling average accounting of the raw material used shall be documented through purchase receipts, records and sales receipts, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period. [Rule 62-210.370(2)(c)

d) VOC, total HAP, and individual HAP emissions based on materials received.

5.2. Monthly summaries and rolling twelve-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 twelve-month totals of emissions shall be kept and maintained for Department inspection for at least five years.
{Permit Note: If the total HAP emissions (each months rolling 12 month total) are calculated at below 10 tons/year, there is no need for the individual HAP emissions to be calculated and recorded.}

EMISSION UNIT 004

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
004	EXEMPT- Emergency Generator, Diesel powered, 500 KW

Trailer mounted, 500 KW, diesel powered emergency generator. For use only for stand-by emergency conditions.

This unit is EXEMPT from permitting, subject to the following rules defined in Federal Regulations, 40 CFR Part 63, Subpart ZZZZ – National Emissions Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines:

1. The emergency stationary RICE engine located at area sources of HAP may be operated for up to 100 hours per calendar year. It may be operated for up to 50 hours per calendar year in no-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing.

   a) Change oil and filter every 500 hours of operation or annually.
   b) Inspect air cleaner every 1,000 hours or annually
   c) Inspect all hoses and belts every 500 hours or annually.

Contents

Appendix A. Citation Formats and Glossary of Common Terms
Appendix B. General Conditions
Appendix C. Common Conditions

CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: "AC" identifies the permit as an Air Construction Permit
"AO" identifies the permit as an Air Operation Permit
"123456" identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: "099" represents the specific county ID number in which the project is located

"2222" represents the specific facility ID number for that county

"001" identifies the specific permit project number

"AC" identifies the permit as an air construction permit

"AF" identifies the permit as a minor source federally enforceable state operation permit

"AO" identifies the permit as a minor source air operation permit

"AV" identifies the permit as a major Title V air operation permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

"FL" means that the permit was issued by the State of Florida

"317" identifies the specific permit project number

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (DEP database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO_2: carbon dioxide

COMS: continuous opacity monitoring system

Citation Formats and Glossary of Common Terms

DARM: Division of Air Resource Management

DEP: Department of Environmental Protection

Department: Department of Environmental Protection

dscf: dry standard cubic feet

dscfm: dry standard cubic feet per minute

EPA: Environmental Protection Agency

ESP: electrostatic precipitator (control system for reducing particulate matter)

EU: emissions unit

F.A.C.: Florida Administrative Code

F.A.W.: Florida Administrative Weekly

F.D.: forced draft

F.S.: Florida Statutes

FGD: flue gas desulfurization

FGR: flue gas recirculation

Fl: fluoride

ft^2: square feet

ft^3: cubic feet

gpm: gallons per minute

gr: grains

HAP: hazardous air pollutant

Hg: mercury

I.D.: induced draft

ID: identification

kPa: kilopascals

lb: pound

MACT: maximum achievable technology

MMBtu: million British thermal units

MSDS: material safety data sheets

MW: megawatt

NESHAP: National Emissions Standards for Hazardous Air Pollutants

NO_X: nitrogen oxides

NSPS: New Source Performance Standards

O&M: operation and maintenance

O_2: oxygen

Pb: lead

PM: particulate matter

PM_{10}: particulate matter with a mean aerodynamic diameter of 10 microns or less

ppm: parts per million

ppmv: parts per million by volume

ppmvd: parts per million by volume, dry basis

QA: quality assurance

QC: quality control

PSD: prevention of significant deterioration

psi: pounds per square inch

PTE: potential to emit

RACT: reasonably available control technology

RATA: relative accuracy test audit

RBLC: EPA's RACT/BACT/LAER Clearinghouse

SAM: sulfuric acid mist

scf: standard cubic feet

scfm: standard cubic feet per minute

SIC: standard industrial classification code

SIP: State Implementation Plan

SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

SO_2: sulfur dioxide

TPD: tons/day

TPH: tons per hour

TPY: tons per year

TRS: total reduced sulfur

UTM: Universal Transverse Mercator coordinate system

VE: visible emissions

VOC: volatile organic compounds

General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

General Conditions

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (not applicable);
    b. Determination of Prevention of Significant Deterioration (not applicable); and
    c. Compliance with New Source Performance Standards (not applicable).

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
       (1) The date, exact place, and time of sampling or measurements;
       (2) The person responsible for performing the sampling or measurements;
       (3) The dates analyses were performed;
       (4) The person responsible for performing the analyses;
       (5) The analytical techniques or methods used;
       (6) The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]

4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]

6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

9. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1) (b) 2, F.A.C.