



# Florida Department of Environmental Protection

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590  
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE:

Southern Pre-Cast, Inc.  
13365 Southern PreCast Drive  
Alachua, Florida 32615

I.D. Number: 0010064  
Permit/Cert No.: 0010064-006-AO  
Date of Issue: November 13, 2008  
Expiration Date: November 13, 2013  
County: Alachua  
Lat/Long: 29° 47' 06" N; 82° 27' 30" W  
UTM: (17) E-359.0; N-3295.7  
Project: No. 1, 2 & 3 Concrete Batch  
Plants Renewal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-296, 62-297 and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

## PROJECT 006

For the renewal operation of No. 1, 2 & 3 Concrete Batch Plants each with two cement silos.

## FACILITY DESCRIPTION

Following are the emission units at the facility:

Emissions Unit 1: Pre-Cast Concrete Batch Plant with two cement silos, a weight hopper, and a mixer, which deposits concrete into molds. The maximum production rate is 12 cubic yards per hour.

Emissions Unit 2: Pre-Cast Concrete Batch Plant with two cement silos, a weight hopper, and a mixer, which deposits concrete into molds. The maximum production rate is 31.3 cubic yards per hour.

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Emissions Unit 3: Pre-Cast Concrete Batch Plant with two cement silos, a weight hopper, and a mixer, which deposits concrete into molds. The maximum production rate is 60 cubic yards per hour.

Particulate matter emissions generated during the loading of the cement storage silos are controlled with a baghouse on each silo.

#### **REGULATORY CLASSIFICATION**

This facility is subject to regulation under: Rule 62-296.414, F.A.C. for Concrete Batching Plants.

#### **OPERATING LOCATION**

Located at 13365 Southern PreCast Drive, Alachua, Alachua County, Florida.

#### **RELEVANT DOCUMENTS**

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department. Application for Air Permit- Non-Title V Source received August 25, 2008

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**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. 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 403.087(6) and 403.722(5), Florida Statutes, 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 the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does 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.

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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 a reasonable time, 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 the 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 non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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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.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, 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:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards (NSPS)

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.

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c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- 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 that 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.

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**SPECIFIC CONDITIONS:**

**ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS**

1. **Hours of Operation:** The hours of operation are not limited, i.e. 24 H/D; 7 D/W; 52 W/Y, and 8760 Hours per year.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

**EMISSION LIMITATIONS AND PERFORMANCE STANDARDS**

2. **Emission Limits:** Stack Emissions. 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 percent opacity

[Rule 62-296.414(1), F.A.C.]

3. **Unconfined Particulate Matter:** 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 Rule 62-296.320(4)(c), F.A.C. For concrete batch plants the following shall constitute reasonable precautions:

(a) Management of roads, parking areas, stockpiles, and yards, which shall include one or more of the followings:

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 area under control of the owner or operator to mitigate re-entrainment, and from building or work areas to reduce airborne particulate matter.
4. Reduction of stockpile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stockpiles.

(b) Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.

[Rule 62-296.414(2), F.A.C.]

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**SPECIFIC CONDITIONS:**

4. **Objectionable Odor Prohibited:** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. Objectionable odor, is an odor present in the outdoor atmosphere which by itself or by combination with other odors, is or maybe harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which create a nuisance.

[Rule 62-296.320(2) F.A.C.]

**COMPLIANCE MONITORING AND TESTING REQUIREMENTS**

5. **Visible Emissions Compliance Testing:** The reference test method for visible emissions shall be EPA Method 9, as described at 40 CFR, Part 60, Appendix A, adopted and incorporated by reference at Rule 62-204.800, F.A.C.

[Rule 62-296.414(3)(a)]

6. **Testing Frequency:** The owner or operator of any concrete batching plant operating under the authority of an air operation permit shall have a performance test conducted for visible emissions for each dust collector exhaust point prior to submitting the application for an initial air operation permit, and annually thereafter.

[Rule 62-296.41(4)(b), F.A.C.]

7. **Operation During Compliance Test:** The permittee shall conduct visible emissions testing 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.

[Rule 62-296.414(3)(c), F.A.C.]

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8. If emissions from the weigh hopper operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions tests of the weigh hopper 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)(d), F.A.C.]

9. **Compliance Test Notification:** At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the Air Compliance Section of this Office. 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.

[Rule 62-297.310(7)(a) 9., F.A.C.]

10. **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5)(b), F.A.C.]

11. **Compliance Test Procedures:** Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.414(3)(b), F.A.C.]

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12. **Special Compliance Test:** When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7), F.A.C.]

**REPORTING AND RECORDKEEPING REQUIREMENTS**

13. **Recordkeeping:** The owner or operator shall maintain records to document the silo loading and the hourly and annual production rates. These records shall be retained for five years.
14. **Compliance Test Reports:** Reports of the required compliance tests shall be submitted as soon as practical but no later than 45 days after the last test is completed. Each test report shall include the maximum input / production rate at which this source was operated since the most recent test.

[Rule 62-297.310(8)(b), F.A.C.]

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**SPECIFIC CONDITIONS:**

**ADMINISTRATIVE**

15. **Correspondence:** The I.D. No. and Project name for this source shall be used on all correspondence.

Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.

16. Upon expiration of the air operation permit for any existing facility or emissions unit; subsequent to any construction, reconstruction or modification of a facility or emissions unit authorized by an air construction permit, and demonstration of compliance with the conditions of such air construction permit; subsequent to the establishment of a PAL or air emissions bubble by air construction permit; or as otherwise provided in this chapter or Chapter 62-213, F.A.C.; the owner or operator of such facility or emissions unit shall obtain a renewal air operation permit, an initial air operation permit, or revision of an existing air operation permit, whichever is appropriate, in accordance with all applicable provisions of this chapter, Chapter 62-213 (if the facility is a Title V source), and Chapter 62-4, F.A.C.

[Rule 62-210.300(2)]

17. **Excess emissions:** 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 two hours in any 24 hour period unless specifically authorized by the Department for longer duration

Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited

[Rule 62-210.700(1) (4)]

18. **Circumvention:** No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650, F.A.C.]

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19. **Malfunction:** is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.

[Rule 62-210.200(196), FAC.]

20. **Malfunction Notification.** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the NED Air Program immediately 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.]

21. **Plant Operation Problems:** If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its 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 Department rules.

[Rule 62-4.130, F.A.C.]

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22. **Applicable Regulations:** The facility is subject to the following regulations: Florida Administrative Code Chapters 62-4; 62-103; 62-204; 62-210; 62-212, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations.

[Rule 62-210.300, F.A.C.]

23. **General Conditions:** The owner or operator is subject to and shall operate under the General Permit Conditions 1 through 15 of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.

[Rule 62-4.160, F.A.C.]

24. **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(1), F.A.C.]

25. **Construction Permit Required:** Unless exempt from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C.

[Rule 62-210.300(1)(a), F.A.C.]

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26. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection  
Northeast District – Air Program  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256  
Telephone: 904/807-3300  
Fax: 904/448-4366

27. A completed Application for Air Permit – Non-Title V Source Renewal [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

[Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P.E.  
District Air Program Administrator