



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

PERMITTEE:

Price Brothers Company
333 West First Street
Post Office Box 825
Dayton, Ohio 45402-0825

I.D. Number: 1070043
Permit/Cert Number: 1070043-002-AO
Date of Issue: January 23, 2004
Expiration Date: January 23, 2009
County: Putnam
Latitude/Longitude: 29°42'31"N; 81°39'22"W
UTM: E-(17) 436.53; N-3286.50
Project: Concrete Batching Plants

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-204, 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

For the operation of concrete batch facility which consists of five concrete batch plants, with a total of four cement bins and one cement storage silo, five weigh hoppers, five mixers, four sand bins, two aggregate bins and a Pipe Coating Operation. Particulate matter emissions generated during the loading of cement at each cement bin and the silo are controlled with a Griffin Environmental Model 36-LS dust collector. The weigh hoppers, mixers, sand and aggregate transfers emissions are uncontrolled.

REGULATORY CLASSIFICATION

The concrete batch operations at this facility are subject to regulation under Rule 62-296.414, F.A.C., Concrete Batching Plants. The Pipe Coating Operation is subject to regulation under Rule 62-210.300, F.A.C., Permits Required. However, the operation is not regulated by an emissions-unit specific requirement. The sand blasting operation is exempted according to Rule 62-210.300(3)(b)1., F.A.C., under the restriction that the sand blasting operation is only operated with wind speed less than 10 miles per hour.

Based on the information provided in the application, the facility is considered a natural minor facility. For informational purposes, potential emissions are listed below:

Pollutant	Tons Per 12 Month Period
Total HAPS	4.12
Total VOCs	23.74
Total PM	40.33

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Facility/Project Description Continued:

The Emissions Unit and Emissions Points are defined as follows:

- Emissions Unit 001:** Vertical Coating Batch Plant
 - Emissions Point 001: Cement Bin with dust collector
 - Emissions Point 002: Weigh hopper
 - Emissions Point 003: Mixer
 - Emissions Point 004: Sand Bin
- Emissions Unit 002:** Pouring Batch Plant
 - Emissions Point 001: Cement Bin with dust collector
 - Emissions Point 002: Weigh hopper
 - Emissions Point 003: Mixer
 - Emissions Point 004: Aggregate Bin
 - Emissions Point 005: Sand Bin
- Emissions Unit 003:** Spinning Batch Plant
 - Emissions Point 001: Cement Bin with dust collector
 - Emissions Point 002: Weigh hopper
 - Emissions Point 003: Mixer
 - Emissions Point 004: Aggregate Bin
 - Emissions Point 005: Sand Bin
- Emissions Unit 004:** Horizontal Coating Batch Plant
 - Emissions Point 001: Cement Bin with dust collector
 - Emissions Point 002: Weigh hopper
 - Emissions Point 003: Mixer
 - Emissions Point 004: Sand Bin
- Emissions Unit 005:** Fittings Silo/Mixer
 - Emissions Point 001: Cement Silo with dust collector
 - Emissions Point 002: ¼ Yard Mixer
 - Emissions Point 003: Sand Transfer
- Emissions Unit 006:** Pipe Coating Operation

OPERATING LOCATION

Located at 245 Comfort Road, Palatka City, Putnam 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.

- Construction Permit application issued April 30, 2003
- Application for Air Operation Permit-Non Title V Source received October 29, 2003
- Additional Information received December 1, 2003

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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 the 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 not 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 permitted 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 a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any record 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.

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GENERAL CONDITIONS:

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 non-compliance, 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.

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 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:

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

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GENERAL CONDITIONS:

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:
the date, exact place, and time of sampling or measurements;
the person responsible for performing the sampling or measurement;
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 concrete batching plants are allowed to operate for 4,992 hours per calendar year (16 hours per day, 6 days per week and 52 weeks per year).
 [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and, applicant request]
2. **Permitted Capacity:** The maximum concrete production rates at each plant are listed below and shall not be exceeded without prior Department approval.

EMISSION UNIT	MATERIAL	MAXIMUM RATE
001	Cement and Sand	11,250 pounds per hour
002	Cement, Sand and Rock	23,750 pounds per hour
003	Cement, Sand and Rock	27,225 pounds per hour
004	Cement and Sand	14,438 pounds per hour
005	Cement and Sand	469 pounds per hour

{Permitting note: The limitations have been placed in each permit to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted within 90 to 100 percent of the unit's rated capacity (or to limit future operation to 110 percent of the test load), to establish appropriate emission limits and to aid in determining future rule applicability. The permitted maximum rates are the maximum throughput rates and shall not be confused with the silo loading rate.}

{Permitting note: On October 3, 2003, VE tests were conducted on Emissions Unit 1, 2 & 5 prior to obtaining the initial air operation permit. Emissions unit 3 & 4 had not been operating. Visible emission tests shall be performed on Emissions Unit 3 & 4 prior to resuming operation.}

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

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

3. **Stack Emissions:** The permitted maximum allowable emissions rates for each pollutant are as follows:

EMISSION UNIT	EMISSION POINTS	POLLUTANT	EMISSION RATE	FAC RULE
001	001, 002, 003 & 004	Visible Emissions	Not more than 5% opacity	Rule 62-296.414(1), F.A.C.
002	001, 002, 003 & 004 & 005	Visible Emissions	Not more than 5% opacity	Rule 62-296.414(1), F.A.C.
003	001, 002, 003 & 004 & 005	Visible Emissions	Not more than 5% opacity	Rule 62-296.414(1), F.A.C.
004	001, 002, 003 & 004	Visible Emissions	Not more than 5% opacity	Rule 62-296.414(1), F.A.C.
005	001, 002 & 003	Visible Emissions	Not more than 5% opacity	Rule 62-296.414(1), F.A.C.

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SPECIFIC CONDITIONS:

4. **Unconfined Emissions – Concrete Plants**: 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 batching plants the following shall constitute reasonable precautions:
(a) Management of roads, parking areas, stock piles, 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 matter.
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.
[Rule 62-296.414(2), F.A.C.]
5. **Unconfined Emissions (Facility-wide)**: The owner or operator shall take reasonable precautions to control unconfined emissions. Such reasonable precautions included, but are not limited to:
1) Paving and maintenance of roads, parking areas and yards.
2) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
3) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
4) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
5) Landscaping or planting of vegetation.
6) Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
7) Confining abrasive blasting where possible.
8) Enclosure or covering of conveyor systems.
[Rule 62-296.320(4)(c)1, F.A.C.]
6. **General Visible Emissions Standard (Facility-wide)**: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). Visible Emissions testing shall be performed upon request by the Department using EPA Method 9 pursuant to Chapter 62-297, F.A.C.
[Rule 62-296.320(4)(b)1., F.A.C.]

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7. **General Pollutant Emission Limiting Standards. Volatile Organic Compounds Emissions or Organic Solvents Emissions.** The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Procedures to minimize VOC emissions shall include, but not limited to:
 - a. Maintain tightly fitting cover, lids, etc. on all containers of VOC when they are not being handled, tapped, etc.
 - b. Where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, bath, etc., of VOC so that it can be covered when not in use.
 - c. All fittings, valves, lines, etc. shall be properly maintained.
 - d. All VOC spills shall be attended to immediately and the materials properly disposed of, recycled, etc.
 - e. Maintain a monthly accounting of the VOC per type such that the beginning inventory and deliveries are accounted for.
 [Rule 62-296.320(1)(a), F.A.C.]

8. **General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited.** No person shall cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor.
 [Rule 62-296.320(2), F.A.C.]

9. **Circumvention of Control Devices:** The permittee shall not allow any person to circumvent any pollution control device nor allow the emissions of air pollutants without the applicable air pollution control device operating properly.
 [Rule 62-210.650, F.A.C.]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

10. **Compliance Testing:** Test the emissions for the following pollutant(s) each fiscal year (October 1-September 30), notify the Department 15 days prior to testing.

EMISSION UNIT	EMISSION POINT	POLLUTANT	TEST METHOD	FAC Rule
001	001	Visible Emissions	EPA Method 9	62-296.414(3)
002	001	Visible Emissions	EPA Method 9	62-296.414(3)
003	001	Visible Emissions	EPA Method 9	62-296.414(3)
004	001	Visible Emissions	EPA Method 9	62-296.414(3)
005	001	Visible Emissions	EPA Method 9	62-296.414(3)

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

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- 11. Operation During Compliance Test:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity (90 to 100 percent of the maximum operation rate allowed by the permit). If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.
[Rule 62-297.310(2)(b), F.A.C.]
- 12. Visible Emissions Test Procedures – Silo Loading:** All emissions tests performed shall comply with the following requirements:
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.
[Rule 62-296.414(3), F.A.C.]
- 13. Requirements for Annual Testing:** The owner or operator shall meet all applicable requirements of Chapter 62-297, F.A.C. [Rule 62-296.414(3), F.A.C.]
- 14. 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.]

REPORTING AND RECORDKEEPING REQUIREMENTS

- 15. Test Reporting:** Reports of the required compliance tests shall be filed with the Air Compliance Section of this office as soon as practical but no later than 45 days after the last test is completed.
[Rule 62-297.310(8), F.A.C.]
- 16. Recordkeeping:** The owner or operator shall record the following data for each material used in the pipe coating operation at the facility that contains VOC and HAPs:
- Material balance reports
 - VOC emissions [Ton/month and Ton/ any 12-month consecutive period]
 - Manufacturer’s certification of VOC content and density
 - Volatile organic materials usage records
 - Hours of operation
- [Rule 62-210.370(3), F.A.C.]

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ADMINISTRATIVE

17. The I.D. No. and Project name for this source shall be used on all correspondence.
18. 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 may 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)(b), F.A.C.]
19. Any revision(s) to the permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
20. A completed **Application for Non Title V Air Permit 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