**NEIGHBORHOODS DEPARTMENT**

Jacksonville
Where Florida Begins.

**Permittee:**
Dupuy Silo Facility, L.L.C.
1520 Edgewood Avenue North
Jacksonville, FL 32254-1748

**FINAL Permit Number:** 0310509-006-AC
**Facility ID Number:** 0310509
**SIC Number(s):** 5149
**Project:** Coffee bean unloading, cleaning, sorting, and packaging process line

This permit authorizes the construction of a coffee bean unloading, cleaning, sorting, and packaging process line at the existing coffee bean receiving, storage, mixing and shipping facility. This facility is located in Duval County at 1520 Edgewood Avenue North, Jacksonville, FL 32254-1748. The Universal Transverse Mercator (UTM) coordinates are Zone 17, 429.72 km East and 3357.23 km North. The latitude and longitude coordinates are 30° 20' 40" North and 81° 43' 54" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and applicable Rules of the Jacksonville Environmental Protection Board (JEPB). The permittee is authorized to perform the work and operate the facility as described in the application and approved drawings, plans, and other documents, attached hereto or on file with the Neighborhoods Department, Environmental Quality Division (Permitting Authority) and in accordance with the terms and conditions of this permit.

**Referenced Attachments made a part of this Permit:**
Operation and Maintenance (O&M) Plan

**Operation Permit Application Due Date: July 31, 2013***
**Expiration Date: October 31, 2013**

**Neighborhoods Department**
**Environmental Quality Division**

Richard S. Robinson FOR
**Robert Steven Pace, P.E., Manager**
**Air Quality Branch**

RSP/CBJ

*See Section II, Subsection B, Specific Condition 4.

# Section I. Facility Information

## Subsection A. Facility/Project Description

This permit is for the construction of a green coffee bean unloading, cleaning, sorting, and packaging process line at the existing green coffee bean receiving, storage, mixing and shipping facility. The process line will unload, clean, sort, and package green coffee beans. The packaged green coffee beans are then shipped to a coffee plant for roasting, grinding and packaging.

The facility is a natural non-Title V source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year and the potential emissions of Hazardous Air Pollutants (HAP) are less than 10 tons per year for a single HAP and less than 25 tons per year for total HAPs pursuant to Chapter 62-210, FAC, and Rule 2.301, JEPB.

## Subsection B. Summary of Emission Unit (EU) ID Numbers and Brief Descriptions

| EU No. | EU Description | Control Devices |
|---|---|---|
| 006 | Green Bean Cleaning and Sorting | AIRLANCO Model 192ATD10 Baghouse |
| 007 | Green Bean Packaging | CIMBRIA Model CF930 Cyclone Separator |

## Subsection C. Relevant Documents

Operation permit: 0310509-005-AO
Air Construction permit application received August 28, 2012

# Section II. Facility Wide Conditions

## Subsection A. 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 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Permitting Authority 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 Permitting Authority.

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 Permitting Authority 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 rules, unless specifically authorized by an order from the Permitting Authority.

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 Permitting Authority 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 Permitting Authority rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Permitting Authority 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 Permitting Authority 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 Permitting Authority 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 Permitting Authority 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 Permitting Authority may be used by the Permitting Authority as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Permitting Authority 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 Permitting Authority 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 Permitting Authority rules.

11. This permit is transferable only upon Permitting Authority 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 Permitting Authority.

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)
    ( ) 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 Permitting Authority rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Permitting Authority.
    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 Permitting Authority rule.
    c. Records of monitoring information shall include:
        i. The date, exact place, and time of sampling or measurements;
        ii. The person responsible for performing the sampling or measurements;
        iii. The dates analyses were performed;
        iv. The person responsible for performing the analyses;
        v. The analytical techniques or methods used;
        vi. The results of such analyses.

15. When requested by the Permitting Authority, 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 Permitting Authority, such facts or information shall be corrected promptly.
    [Rule 62-4.160, F.A.C., and Rule 2.1401, JEPB]

## Subsection B. Specific Conditions

1. The permittee shall not operate, maintain, perform construction, expand, or modify this facility without an appropriate and valid air permit issued by the Permitting Authority and may only be operated, maintained, constructed, expanded, or modified in a manner that is consistent with the terms of the permit.
   [Rule 62-4.030, F.A.C., and Rule 2.1401, JEPB]

2. The permittee shall obtain an appropriate air permit from the Permitting Authority by applying on the forms prescribed by the Permitting Authority, accompanied by the proper processing fee, and submitting such additional information as the Permitting Authority by law may require. All applications and supporting documents shall be filed in quadruplicate with the Permitting Authority. The requirement to file application forms in quadruplicate is waived per 62-210.900 if an air permit application is submitted using the Department of Environmental Protection (DEP) electronic application website.
   [Rule 62-4.050, F.A.C., and Rule 2.1401, JEPB]

3. The permittee shall ensure that the construction of a facility reasonably conforms to the plans and schedule submitted in the construction application.
   [Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

4. The permittee shall demonstrate compliance with the conditions of the air construction permit and submit a complete "Application for Air Permit – Non-Title V Source" (DEP Form 62-210.900(3)) along with the application fee, all compliance records, compliance test results, and such additional information as the Permitting Authority may by law require, at least ninety (90) days prior to the expiration date of the air construction permit but no later than 180 days after initial start-up, whichever occurs first. The permittee may continue to operate in compliance with all terms of the air construction permit until its expiration date. Operation beyond the air construction permit expiration date requires a valid air operation permit.
   [Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

5. The permittee shall request an air construction permit expiration date be extended as a modification to the permit if construction is unable to be completed prior to the expiration date of the permit. The request must be submitted to the Permitting Authority in writing prior to the expiration date of the air construction permit.
[Rule 62-4.080(3), F.A.C., and Rule 2.1401, JEPB]

6. The permittee shall submit an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) to the Permitting Authority within 30 days after the sale or legal transfer of a permitted facility. The application must be completed with the notarized signatures of both the permittee and the proposed new permittee.
[Rule 62-4.120, F.A.C., and Rule 2.1401, JEPB]

7. The permittee shall immediately notify the Permitting Authority if the permittee is unable to comply with any of the conditions of an air permit. 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. Such notification does not release the permittee from any liability for failure to comply with Permitting Authority rules.
[Rule 62-4.130, F.A.C., and Rule 2.1401, JEPB]

8. The owner or operator of any proposed new, reconstructed, or modified facility, emissions unit, or pollution control equipment shall obtain an air construction permit prior to the beginning of construction, reconstruction or modification of the facility, emissions unit or the addition of air pollution control equipment.
[Rule 62-210.300(1)(a), F.A.C., and Rule 2.301, JEPB]

9. The permittee shall not 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., and Rule 2.301, JEPB]

10. The permittee shall immediately notify the Permitting Authority of any excess emissions resulting from malfunctions in accordance with 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted if requested by the Permitting Authority.
[Rule 62-210.700(6), F.A.C., and Rule 2.301, JEPB]

11. The permittee shall not cause, let, permit, suffer or allow the emission of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity.
[Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]

12. The permittee shall not cause, let, permit, suffer or allow the emission of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include but are not limited to the following:

    Reasonable precautions include but are not limited to the following:

    a. Reduced speed for vehicular traffic.
    b. Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
    c. Use of paving or other asphaltic materials.
    d. Removal of particulate matter from roads and other paved areas by vacuum cleaning or wetting prior to sweeping.
    e. Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
    f. Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from becoming windblown.
    g. Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
    h. Enclosures or covering of conveyor systems.

i. Sprinkling or wetting of conveyor systems.
[Rule 62-296.320(4)(c), F.A.C., and Rule 2.1101, JEPB]

13. The permittee shall conduct emission testing with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the air permit. If it is impractical to test at permitted capacity, then the EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, operation at higher capacities is allowed for no more than 15 consecutive days solely for the purposes of additional compliance testing to regain the permitted capacity in the air permit.
[Rule 62-297.310(2), F.A.C., and Rule 2.1201, JEPB]

14. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards. Equipment or instruments used to directly or indirectly determine process variables 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), F.A.C., and Rule 2.1201, JEPB]

15. The permittee shall provide stack sampling facilities, upon Permitting Authority request, with a method of access that is safe and readily accessible in accordance with OSHA standards (29CFR1910, Subparts D and E). Permanent sampling facilities are not required.
[Rule 62-297.310(6), F.A.C., and Rule 2.1201, JEPB]

16. The permittee shall notify the Permitting Authority at least fifteen (15) days prior to EU compliance testing.
[Rule 62-297.310(7)(a)9, F.A.C., and Rule 2.1201, JEPB]

17. The permittee shall file a report with the Permitting Authority on the results of each compliance test as soon as practical but no later than forty-five (45) days after completion of testing.
[Rule 62-297.310(8), F.A.C., and Rule 2.1201, JEPB]

18. All documents related to applications for permits to construct or operate an emissions unit and all documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Permitting Authority. The Permitting Authority for this project is the City of Jacksonville, Neighborhoods Department, Environmental Quality Division. The Permitting Authority's mailing address is:

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, Suite 500
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

19. The facility is subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 365 [Hazardous Regulated Substance Program], and Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice], and JEPB Rule 2, Part Nos. I through III, and Part Nos. X through XIV.

# Section III. Emission Units and Conditions

## Emission Unit 006 - Green Bean Cleaning and Sorting

| | |
|---|---|
| Emission Unit Description | Green coffee beans are cleaned and sorted |
| Control Device | AIRLANCO Model 192ATD10 Baghouse |

### Essential Potential to Emit (PTE) Parameters

1. This emission unit is permitted to operate continuously, i.e. 8,760 hours per year.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The maximum permitted volumetric flow rate for this EU is 24,500 cubic feet per minute.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

### Emission Limitations and Standards

3. The maximum process rate shall not exceed 5 tons per hour of coffee beans.
   [Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

4. Visible emissions (VE) shall not exceed five (5) percent opacity.
   [Rule 62-296.711(2)(a), F.A.C., and Rule 2.1101, JEPB]

5. Particulate matter (PM) emissions shall not exceed 0.03 grains per dry standard cubic foot, (6.30 pounds per hour and 27.6 tons per year).
   [Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB]

### Test Methods and Procedures

6. Testing for demonstration of compliance for VE shall be performed annually, from the date of the initial compliance test, in accordance with EPA Reference Method (RM) 9 (as described in 40CFR60, Appendix A) for the visual determination of opacity.
   [Rule 62-296.711(3)(a), F.A.C., and Rule 2.1101, JEPB]

7. Testing for demonstration of compliance for PM shall be performed upon Permitting Authority request in accordance with EPA RM 5 (as described in 40CFR60, Appendix A) for particulate matter emissions. The minimum sample volume shall be thirty (30) dry standard cubic feet.
   [Rule 62-296.711(3)(b), F.A.C., and Rule 2.1101, JEPB]

8. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particulate matter stack test.
   [Rule 62-296.711(3)(c), F.A.C., and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance for VE shall be conducted for a minimum period of thirty (30) minutes.
   [Rule 62-297.310(4)(a)2, F.A.C., and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance for VE shall be conducted prior to obtaining an initial operation permit for this emission unit.
[Rule 62-297.310(7)(a)1, F.A.C., and Rule 2.1201, JEPB]

### Recordkeeping and Reporting Requirements

11. An O&M Plan is attached to and is part of this permit. All activities in the O&M Plan shall be performed as scheduled and a record of the activity shall be created. All test and maintenance records shall be retained for a minimum period of two (2) years and made available to the Permitting Authority upon request.
[Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]

## Emission Unit No. 007 - Green Bean Packaging

| | |
|---|---|
| Emission Unit Description | Cleaned and sorted green coffee beans are packaged |
| Control Device | CIMBRIA Model CF930 Cyclone Separator |

### Essential Potential to Emit (PTE) Parameters

1. This emission unit is permitted to operate continuously, i.e. 8,760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

2. The maximum permitted volumetric flow rate for this EU is 20,000 cubic feet per minute.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

### Emission Limitations and Standards

3. The maximum process rate shall not exceed 5 tons per hour of coffee beans.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

4. Visible emissions (VE) shall not exceed five (5) percent opacity.
[Rule 62-296.711(2)(a), F.A.C., and Rule 2.1101, JEPB]

5. Particulate matter (PM) emissions shall not exceed 0.03 grains per dry standard cubic foot, (5.10 pounds per hour and 22.5 tons per year).
[Rule 62-296.711(2)(b), F.A.C., and Rule 2.1101, JEPB]

### Test Methods and Procedures

6. Testing for demonstration of compliance for VE shall be performed annually from the date of the initial compliance test, in accordance with EPA Reference Method (RM) 9 (as described in 40CFR60, Appendix A) for the visual determination of opacity.
[Rule 62-296.711(3)(a), F.A.C., and Rule 2.1101, JEPB]

7. Testing for demonstration of compliance for PM shall be performed upon Permitting Authority request in accordance with EPA RM 5 (as described in 40CFR60, Appendix A) for particulate matter emissions. The minimum sample volume shall be thirty (30) dry standard cubic feet.
[Rule 62-296.711(3)(b), F.A.C., and Rule 2.1101, JEPB]

8. Testing for demonstration of compliance for VE shall be conducted for a minimum period of thirty (30) minutes.
   [Rule 62-297.310(4)(a)2, F.A.C., and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance for VE shall be conducted prior to obtaining an initial operation permit for this emission unit.
   [Rule 62-297.310(7)(a)1, F.A.C., and Rule 2.1201, JEPB]

**Recordkeeping and Reporting Requirements**

10. An O&M Plan is attached to and is part of this permit. All activities in the O&M Plan shall be performed as scheduled and a record of the activity shall be created. All test and maintenance records shall be retained for a minimum period of two (2) years and made available to the Permitting Authority upon request.
    [Rule 62-296.700(6), F.A.C., and Rule 2.1101, JEPB]