



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

RICK SCOTT  
GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

## FINAL PERMIT

### PERMITTEE

Purina Mills, LLC  
890 North Prairie Industrial Parkway  
Mulberry, Florida 33860

Authorized Representative:  
Mr. Steve Furst, Plant Manager

Air Permit No. 1050157-010-AO  
Permit Expires: 01/21/2019  
Land O' Lakes Purina Feed, LLC  
Minor Air Operation Permit  
Operation Permit Revision/Renewal

This is the final permit to revise and renew Federally Enforceable Air Operation Permit (FESOP) No. 1050157-007-AF for an animal feed manufacturing facility at the Land O' Lakes Purina Feed, LLC site (Standard Industrial Classification No. 2048) facility is located in Polk County at 890 North Prairie Industrial Parkway in Mulberry, Florida. The UTM coordinates are Zone 17, 401.95 km East, and 3087.11 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements and Facility-wide Specific Conditions
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Due to 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 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 conduct the proposed work in accordance with the conditions of this permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A 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 within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (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 agency determination;

- (c) A statement of when and how the petitioner received notice of the agency 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 agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

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 on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 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 must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida



Kelley M. Boatwright  
District Air Program Administrator  
Southwest District

01/21/2014  
Effective Date

**CERTIFICATE OF SERVICE**

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

Mr. Steve Furst, Purina Mills, LLC ([safurst@landolakes.com](mailto:safurst@landolakes.com))

Mr. Jim Jarboe, Purina Mills, LLC ([jejarboe@landolakes.com](mailto:jejarboe@landolakes.com))

Mr. Robert E. Wallace, III, P.E., Environmental Engineering Consultants, Inc. ([rwallace@eec-tampabay.com](mailto:rwallace@eec-tampabay.com))

SWD Compliance Assurance Program Team Leader Manager ([Erin.DiBacco@dep.state.fl.us](mailto:Erin.DiBacco@dep.state.fl.us))

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.

*Rhonda Hughes*  
(Clerk)

1/21/2014  
(Date)

**SECTION 1. GENERAL INFORMATION (FINAL)**

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**FACILITY AND PROJECT DESCRIPTION**

**Existing Facility**

This animal feed manufacturing facility receives dry materials such as corn, wheat, soybeans, minerals, alfalfa, peanuts or cottonseed that are either ground or pelletized in a process ultimately resulting in a finished feed product that is bagged or shipped by truck and railcar. The existing facility consists of the following emissions units (EUs).

Facility ID No. 1050157	
EU ID No.	Emissions Unit Description
003	Dry Material Grinding System (with baghouse dust collector)
004	Pellet Mill System No. 1 (with cyclone dust collector)
005	Pellet Mill System No. 2 (with cyclone dust collector)
007	Mineral Unloading System (with baghouse dust collector)
008	Grain Cleaning System

*NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

**Exempt Emission Sources/Activities**

- The 250-HP Cleaver Brooks steam boiler (previously EU ID No. 001) is a natural gas-fired, steam and hot water generating source that has a maximum heat input of 10.461 MMBTU/hr. (This boiler was constructed prior to applicability date of NSPS 40 CFR 60 Subpart Dc for small boilers.) [Rule 62-210.300(3)(a)34., F.A.C. (Categorical and conditional exemptions- fossil fuel steam generators.)]
- The Truck/Railcar Receiving System (previously EU ID No. 002) consists of track 1; a totally enclosed receiving area for dry materials by truck, and track 2; a partially enclosed receiving area for corn by railcar. [Rule 62-4.040(1)(b), F.A.C. (Insignificant impact.)]
- The Bagging and Truck/Railcar Loadout System (previously EU ID No. 006) consists of a totally enclosed area where finished feed products are bagged or shipped by truck and railcar [Rule 62-4.040(1)(b), F.A.C. (Insignificant impact.)]

Note: Exemptions under Rule 62-4.040(1)(b), F.A.C., may be revoked if the installation is substantially modified or the basis for the exemption is determined to be materially incorrect.

**FACILITY REGULATORY CLASSIFICATION**

- The facility is not a major source of hazardous air pollutants (HAPs).
- 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 62-213, F.A.C.

## SECTION 1. GENERAL INFORMATION (FINAL)

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- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for particulate matter less than 10 micrometers in diameter (PM<sub>10</sub>). The emission limitations and the restriction on the amount of material processed in this permit will ensure that the facility's PM<sub>10</sub> emissions will be below the threshold for a Title V source.

### **PERMIT HISTORY/AFFECTED PERMITS**

This permit renews Federally Enforceable Operation Permit No. 1050157-007-AF and incorporates the terms and conditions of Air Construction Permit No. 1050157-009-AC.

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC  
CONDITIONS (FINAL)**

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**ADMINISTRATIVE REQUIREMENTS**

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Permitting Program. The mailing address and phone number is:

Florida Department of Environmental Protection  
Southwest District Office  
Air Permitting Program  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813-470-5700

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection  
Southwest District Office  
Compliance Assurance Program  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813-470-5700

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

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.]

## SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

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6. Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.  
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]
7. Annual Operating Report - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.  
[Rule 62-210.370(3), F.A.C.]
8. Operation Permit Renewal Application - A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the applicant shall submit the following:
- the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions)*), and/or *FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*;
  - the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
  - copies of the most recent compliance test reports required by Specific Condition No. E.5., if not previously submitted;
  - copies of the most recent month of records/logs specified in Specific Condition Nos. 13. and B.7.; and Specific Nos. A.5., B.8., C.5., and D.4. (if applicable); and
  - any proposed revisions to the most recently approved O & M Plan (*see Specific Condition No. E.6.*).

The application shall be submitted to the Permitting Authority.

[Rules 62-4.030 and 62-4.050, F.A.C.]

### FACILITY-WIDE SPECIFIC CONDITIONS

#### PERFORMANCE RESTRICTIONS

9. Permitted Capacity - This facility shall not exceed a maximum non-mineral\* receiving rate of 468,000 tons per any consecutive 12-month period.

(\*Permitting Note- Minerals are defined as any materials handled by the Material Unloading System. See Emissions Unit Section C. for Mineral Unloading System EU No. 007.)

[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 1050157-009-AC]

10. Operating Hours - The hours of operation are not limited (8,760 hours per year).  
[Rules 62-4.070(3) and 62-210.200 (definition of Potential to Emit), F.A.C.]

#### EMISSIONS STANDARDS

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC  
CONDITIONS (FINAL)**

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- 11. Facility-wide Control of Unconfined (Fugitive) Emissions of Particulate Matter (PM)** - All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of PM. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing, and handling. Reasonable precautions shall include, but are not be limited to the following.
- a. Paved parking and trafficked areas shall be maintained and kept free of PM build-up.
  - b. The truck/railcar receiving system and bagging/truck loadout system shall be totally enclosed during operation, with the exception of the railcar whole corn receiving system that is only partially enclosed.
  - c. The facility grounds, paved roadways, and unpaved roadways shall be controlled by water application or other fugitive PM control measure as necessary to prevent the occurrence of emissions of unconfined PM.
  - d. Exercise good housekeeping practices at all times.
  - e. Make applicable personnel aware of the environmental requirements of this permit.

If operating experience indicates that these reasonable precautions are not sufficient to control unconfined emissions, the Department or its designee reserves the right to require additional measures, such as recordkeeping for water truck gallons applied, etc.

*(Permitting Note- See also Specific Condition No. 12 for fugitive emissions opacity indicator.)*

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.; Construction Permit No. 1050157-009-AC]

- 12. Fugitive Emissions Opacity Indicator** - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, emissions of unconfined PM from all sources should not exceed five percent (5%) opacity. If the five percent (5%) opacity indicator value is exceeded, it will not be a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Specific Condition No. 11 may be necessary. [Rule 62-4.070(3), F.A.C.]

**RECORDKEEPING REQUIREMENTS**

- 13. Monthly Material Receiving Rate Records** - In order to document continued compliance with Specific Condition No. 9, the facility shall maintain the following monthly records:
- a. month and year of record;
  - b. the total quantity, in tons, of non-mineral\* dry material received for the month; and
  - c. the most recent consecutive 12-month total, in tons, of non-mineral\* dry material received.

*(\*Permitting Note- Minerals are defined as any materials handled by the Material Unloading System. See Exempt Emissions Sources/Activities)*

All records shall include the Facility ID on each page. Monthly logs shall be completed within fifteen (15) days of the end of the month.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1050157-009-AC]

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**A. EU No. 003- Dry Material Grinding System**

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
003	<u>Dry Material Grinding System (with baghouse dust collector)</u> – Materials such as, but not limited to, corn, oats, wheat, and barley are ground in this system. Emissions are controlled by a DCE Volks, Inc. Dalamatic Model DLM-V30-15 baghouse dust collector.

**ADDITIONAL REQUIREMENTS-** SEE ALSO SECTION 3, SUBSECTION E. FOR COMMON CONDITIONS THAT APPLY TO THIS EMISSIONS UNIT.

**EMISSIONS STANDARDS**

**A.1. Particulate Matter (PM) Emissions Limitation** - PM emissions from the Dry Material Grinding System baghouse dust collector exhaust vent shall not exceed 0.36 pounds per hour.

*(Permitting Note –Based upon this limit and operating for 8,760 hours/year, potential PM emissions for this EU are 1.58 TPY.)*

[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 1050157-009-AC]

**A.2. Visible Emissions** - In order to provide reasonable assurance that the Dry Material Grinding System is operated in accordance with the emissions limitation of Specific Condition No. A.1., in lieu of stack testing, visible emissions (VE) from the Dry Material Grinding System baghouse dust collector exhaust vent shall not exceed five percent (5%) opacity. Submittal of a visible emissions test showing visible emissions of no greater than 5% opacity will be accepted as documentation of compliance with the particulate matter emission limits of this permit. However, should the Department have reason to believe the particulate emission standard is not being met, the Department may require that compliance with the particulate emission standard be demonstrated by stack testing in accordance with Chapter 62-297, F.A.C.

[Rules 62-4.070(3) and 62-297.620(4), F.A.C.]

**COMPLIANCE TESTING REQUIREMENTS**

**A.3. Annual Visible Emissions (VE) Compliance Testing** – In order to determine compliance with the visible emission limitation of Specific Condition No. A.2, the Dry Material Grinding System baghouse dust collector exhaust vent shall be tested for visible emissions annually each federal fiscal year (October 1- September 30). [Rule 62-297.310(7)(a)4, F.A.C.]

**A.4. Operating Rate During Testing** - Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. For the purposes of testing, the permitted capacity is defined as 90 to 100 percent of the maximum operation rate of 30 tons per hour during the test period. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operating rate is limited to 110 percent of the test rate (on a daily average basis)\* 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.

*(\*Permitting Note – See Specific Condition No. A.5. for associated daily operating rate record keeping requirements.)*

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

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**A. EU No. 003- Dry Material Grinding System**

[Rule 62-297.310(2), F.A.C.]

**RECORDKEEPING REQUIREMENTS**

**A.5.** Daily Operating Rate Recordkeeping – If compliance testing is conducted at less than 90 -100% of permitted capacity such that a new lower operating limit is established (*see Specific Condition No. A.4.*), then the permittee shall keep the following daily operating records for the Dry Material Grinding System:

- a. date of record and Emission Unit ID (i.e. EU No. 003);
- b. tons material processed through the Dry Material Grinding System for the day (tons/day);
- c. hours of operation for the Dry Material Grinding System for the day (hours/day); and
- d. calculation of average tons per day processing rate based upon b. and c. above.

[Rule 62-4.070(3), F.A.C.; Construction Permit No.1050157-009-AC]

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**B. EU Nos. 004 and 005- Pellet Mill System No. 1 and Pellet Mill System No. 2**

This section of the permit addresses the following emissions units (EUs).

<b>EU ID No.</b>	<b>Emissions Unit Description</b>
004	<u>Pellet Mill System No. 1 (with cyclone dust collector)</u> - Pellet mash is pelletized in this system. The primary equipment includes a CPM 300 HP 7726 pellet mill, a Geelen Counterflow VK24 x 24KL pellet cooler, and to control emissions, a Geelen Cyclone CY1600HE-R dust collector.
005	<u>Pellet Mill System No. 2 (with cyclone dust collector)</u> - Pellet mash is pelletized in this system. The primary equipment includes a 300-HP CPM 7726 pellet mill, a Geelen Counterflow VK24 x 24KL pellet cooler, and to control emissions, a <b>new</b> Geelen Cyclone CY1600HE-R dust collector.

**ADDITIONAL REQUIREMENTS-** SEE ALSO SECTION 3, SUBSECTION E. FOR COMMON CONDITIONS THAT APPLY TO THIS EMISSIONS UNIT.

**PERFORMANCE RESTRICTIONS**

- B.1.** Permitted Capacity – The combined throughput rate for Pellet Mill Systems Nos. 1 and 2 shall not exceed a total of 166,400 tons in any consecutive 12-month period.  
[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 1050157-009-AC]

**EMISSIONS STANDARDS**

- B.2.** Particulate Matter (PM) Emissions Limitation – Combined PM emissions from Pellet Mill Systems Nos. 1 and 2 cyclone dust collector exhaust vents shall not a total of 6.00 pounds per hour.  
*(Permitting Note –Based upon this limit and operating for 8,760 hours/year, combined potential PM emissions for these EUs are 26.28 TPY.)*  
[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 1050157-009-AC]
- B.3.** Visible Emissions - In order to provide reasonable assurance that Pellet Mill Systems Nos. 1 and 2 are operated in accordance with the emissions limitation of Specific Condition No. B.2, in lieu of stack testing, visible emissions (VE) from Pellet Mill Systems Nos. 1 and 2 cyclone dust collector exhaust vents shall not exceed five percent (5%) opacity. Submittal of a visible emissions test showing visible emissions of no greater than 5% opacity will be accepted as documentation of compliance with the particulate matter emission limits of this permit. However, should the Department have reason to believe the particulate emission standard is not being met, the Department may require that compliance with the particulate emission standard be demonstrated by stack testing in accordance with Chapter 62-297, F.A.C.  
[Rules 62-4.070(3) and 62-210.650 (Circumvention), F.A.C.; Construction Permit No. 1050157-009-AC]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

### B. EU Nos. 004 and 005- Pellet Mill System No. 1 and Pellet Mill System No. 2

#### COMPLIANCE TESTING REQUIREMENTS

**B.4.** Annual Visible Emissions (VE) Compliance Testing – In order to determine compliance with the visible emission limitations of Specific Condition No. B.3, the Pellet Mill Systems Nos. 1 and 2 cyclone dust collector exhaust vents shall each be tested for visible emissions annually each federal fiscal year (October 1- September 30). [Rule 62-297.310(7)(a)4, F.A.C.]

**B.5.** Operating Rate During Testing - Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. For the purposes of testing, the permitted capacity is defined as 90 to 100 percent of the maximum operation rate of 40 tons per hour (combined) during the test period. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operating rate is limited to 110 percent of the test rate (on a daily average basis)\* 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.

(\*Permitting Note – See Specific Condition No. B.8. for associated daily operating rate record keeping requirements.)

[Rule 62-297.310(2), F.A.C.; Construction Permit No. 1050157-009-AC]

#### NOTIFICATION REQUIREMENTS

**B.6.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(Permitting Note - The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

#### RECORDKEEPING REQUIREMENTS

**B.7.** Monthly Pellet Mill Systems Throughput Rate Records - In order to document continued compliance with Specific Condition No. B.1, the facility shall maintain the following monthly records:

- a. month and year of record;
- b. the total quantity, in tons, of combined total materials processed through Pellet Mill Systems Nos. 1 and 2 for the month; and
- c. the most recent consecutive 12-month combined total, in tons, of materials processed through Pellet Mill Systems Nos. 1 and 2.

All records shall include the Facility ID on each page. Monthly logs shall be completed within fifteen (15) days of the end of the month.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1050157-009-AC]

**B.8.** Daily Operating Rate Recordkeeping – If compliance testing is conducted at less than 90 -100% of permitted capacity such that a new lower operating limit is established (*see Specific Condition No.*

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

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**B. EU Nos. 004 and 005- Pellet Mill System No. 1 and Pellet Mill System No. 2**

B.5.), then the permittee shall keep the following daily operating records for the Dry Material Grinding System:

- a. date of record and Emission Unit ID (i.e. EU No. 004, 005);
- b. combined total tons material processed through Pellet Mill System Nos. 1 and 2 for the day (tons/day);
- c. hours of operation\* for Pellet Mill System Nos. 1 and 2 for the day (hours/day); and  
*(\* Note – hours of operation are defined as any period that either or both Pellet Mills are in operation.)*
- d. calculation of average tons per day processing rate based upon b. and c. above.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1050157-009-AC]

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**C. EU No. 007- Mineral Unloading System**

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
007	<u>Mineral Unloading System (with baghouse dust collector)</u> - Minerals (salt, calcium, urea, and minugel, or other minerals as required) are delivered to the facility by trucks and unloaded using the trucks' pneumatic systems to blow the minerals to a pneumatic filter receiver and into any one of four storage bins. Particulate matter (PM) emissions are controlled by a MAC Model No. 74RT14III baghouse dust collector.

**ADDITIONAL REQUIREMENTS-** SEE ALSO SECTION 3, SUBSECTION E. FOR COMMON CONDITIONS THAT APPLY TO THIS EMISSIONS UNIT.

**EMISSIONS STANDARDS**

**C.1. Particulate Matter (PM) Emissions Limitation** - PM emission from the Mineral Unloading System baghouse dust collector exhaust vent shall not exceed 0.20 pounds per hour.

*(Permitting Note –Based upon this limit and operating for 8,760 hours/year, potential PM emissions for this EU are 0.88 TPY.)*

[Rule 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 1050157-009-AC]

**C.2. Visible Emissions** - In order to provide reasonable assurance that the Mineral Unloading System is operated in accordance with the emissions limitation of Specific Condition C.1, in lieu of stack testing, visible emissions (VE) from the Mineral Unloading System dust collector exhaust vent shall not exceed five percent (5%) opacity. Submittal of a visible emissions test showing visible emissions of no greater than 5% opacity will be accepted as documentation of compliance with the particulate matter emission limits of this permit. However, should the Department have reason to believe the particulate emission standard is not being met, the Department may require that compliance with the particulate emission standard be demonstrated by stack testing in accordance with Chapter 62-297,F.A.C.

[Rules 62-4.070(3) and 62-297.620(4), F.A.C.; Construction Permit No. 1050157-009-AC]

**COMPLIANCE TESTING REQUIREMENTS**

**C.3. Annual Visible Emissions (VE) Compliance Testing** – In order to determine compliance with the visible emission limitation of Specific Condition No. C.2, the Mineral Unloading System baghouse dust collector exhaust vent shall be tested for visible emissions annually each federal fiscal year (October 1-September 30).

[Rule 62-297.310(7)(a)4, F.A.C.]

**C.4. Operating Rate During Testing** - Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. For the purposes of testing, the permitted capacity is defined as 90 to 100 percent of the maximum operation rate of 12.0 tons per hour during the test period. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operating rate is limited to 110 percent of the test rate (on a daily average basis)\* until a new test is conducted. Once the unit is so limited,

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

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**C. EU No. 007- Mineral Unloading System**

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.

(\**Permitting Note* – See *Specific Condition No. C.5. for associated daily operating rate record keeping requirements.*)

[Rule 62-297.310(2), F.A.C.; Construction Permit No. 1050157-009-AC]

**RECORDKEEPING REQUIREMENTS**

**C.5. Daily Operating Rate Recordkeeping** – If compliance testing is conducted at less than 90 -100% of permitted capacity such that a new lower operating limit is established (*see Specific Condition No. C.4.*), then the permittee shall keep the following daily operating records for the Dry Material Grinding System:

- a. date of record and Emission Unit ID (i.e. EU No. 007);
- b. tons material processed through the Mineral Unloading System for the day (tons/day);
- c. hours of operation for the Mineral Unloading System for the day (hours/day); and
- d. calculation of average tons per day processing rate based upon b. and c. above.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1050157-009-AC]

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**D. EU No. 008- Grain Cleaning System**

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
008	<u>Grain Cleaning System (with baghouse dust collector)</u> - Whole corn, cracked corn, oats and barley are cleaned by first moving the materials through the pre-aspirated air in order to remove light materials such as hulls, immatures, and chaff cobs (this material is deposited into a settling chamber and subsequently conveyed to the cull system). After moving through the pre-aspirated air system, the materials move through various scalp screens to remove oversized materials from the grains. Finally, the materials are moved through the post-aspirated air system for further removal of light materials such as dust. Particulate emissions are controlled by a Donaldson Torit/Day Model No. DFO3-12 dust collector.

**ADDITIONAL REQUIREMENTS**- SEE ALSO SECTION 3, SUBSECTION E. FOR COMMON CONDITIONS THAT APPLY TO THIS EMISSIONS UNIT.

**EMISSIONS STANDARDS**

**D.1.** Visible Emissions - In order to provide reasonable assurance that the air pollution control equipment for the grain cleaning system is operating properly, visible emissions (VE) from the Grain Cleaning System baghouse dust collector exhaust vent shall not exceed five percent (5%) opacity. Submittal of a visible emissions test showing visible emissions of no greater than 5% opacity will be accepted as documentation of compliance with the particulate matter emission limits of this permit.  
[Rules 62-4.070(3) and 62-210.650 (Circumvention), F.A.C.; Construction Permit No. 1050157-009-AC]

**COMPLIANCE TESTING REQUIREMENTS**

**D.2.** Annual Visible Emissions (VE) Compliance Testing – In order to determine compliance with the visible emission limitation of Specific Condition No. D.1, the Grain Cleaning System baghouse dust collector exhaust vent shall be tested for visible emissions annually each federal fiscal year (October 1-September 30).  
[Rule 62-297.310(7)(a)4, F.A.C.]

**D.3.** Operating Rate During Testing - Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. For the purposes of testing, the permitted capacity is defined as 90 to 100 percent of the maximum operation rate of 27.5 tons per hour during the test period. If it is practical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operating rate is limited to 110 percent of the test rate (on a daily average basis)\* 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.

(\*Permitting Note – See Specific Condition No. D.4. for associated daily operating rate record keeping requirements.)

[Rule 62-297.310(2), F.A.C.; Construction Permit No. 1050157-009-AC]

**RECORDKEEPING REQUIREMENTS**

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

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**D. EU No. 008- Grain Cleaning System**

**D.4.** Daily Operating Rate Recordkeeping – If compliance testing is conducted at less than 90 -100% of permitted capacity such that a new lower operating limit is established (*see Specific Condition No. D.3.*), then the permittee shall keep the following daily operating records for the Dry Material Grinding System:

- a. date of record and Emission Unit ID (i.e. EU No. 008);
- b. tons material processed through the Grain Cleaning System for the day (tons/day);
- c. hours of operation for the Grain Cleaning System for the day (hours/day); and
- d. calculation of average tons per day processing rate based upon b. and c. above.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1050157-009-AC]

**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)**

**E. Emissions Unit Common Conditions**

This section of the permit addresses specific conditions that are common to the following emissions units (EUs).

<b>EU ID No.</b>	<b>Emissions Unit Description</b>
003	Dry Material Grinding System (with baghouse dust collector)
004	Pellet System No. 1 (with cyclone dust collector)
005	Pellet System No. 2 (with cyclone dust collector)
007	Mineral Unloading System (with baghouse dust collector)
008	Grain Cleaning System (with baghouse dust collector)

**COMPLIANCE TESTING REQUIREMENTS**

- E.1.** Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.  
[Rule 62-297.310, F.A.C.]
- E.2.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

<b>Method</b>	<b>Description of Method and Comments</b>
9	Visual Determination of the Opacity of Emissions from Stationary Sources – The test observation period shall be for a minimum of thirty (30) minutes, and shall include the period during which the highest opacity emissions can reasonably be expected to occur (i.e. during operation using the dustiest material).

The above method is described in Appendix A of 40 CFR 60 and is 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 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

**NOTIFICATION REQUIREMENTS**

- E.3.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility’s contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

*(Permitting Note - The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.)*

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

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## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

### E. Emissions Unit Common Conditions

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#### RECORDKEEPING AND REPORTING REQUIREMENTS

- E.4.** Records Retention - All records required by this permit shall be maintained at the facility for a minimum of the most recent three (3) year period and be made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]
- E.5.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Include process rates (in tons/hour) for each emissions unit during the test period with reports. Failure to submit the actual loading rate for the test period may invalidate the test and fail to provide reasonable assurance of compliance. [Rule 62-297.310(8), F.A.C.]

#### OPERATION AND MAINTENANCE PLAN REQUIREMENTS

- E.6.** Operation and Maintenance (O & M) Plan for PM Control – In order to provide reasonable assurance that the emission control devices (cyclone and baghouse dust collectors) are being operated and maintained properly, the facility shall maintain and follow an O&M Plan for each air pollution control device at the facility. The O&M Plan shall include, at a minimum, the following information for each air pollution control device:
- the pollution control device operating parameters necessary to verify correct operation of the control device (e.g. baghouse pressure drop, etc.);
  - schedule for the routine maintenance of the pollution control device as specified by the manufacturer;
  - schedule for routine observations of the pollution control device sufficient to ensure proper operation; and
  - A list of the type and quantity of the required spare parts for the pollution control device which are stored on the premises of the permittee.

The O&M Plan shall be retained onsite at all times. Any alterations to the O&M Plan shall be submitted to the Air Permitting Section of the Department's Southwest District Office for inclusion as an attachment to the facility's Operation Permit.

[Rules 62-4.070(3) and 62-210.650 (Circumvention), F.A.C.; Construction Permits No. 1050157-009-AC]

- E.7.** Operation and Maintenance (O&M) Log – The permittee shall establish and maintain an O&M Log. This Log shall include, at a minimum, the following information:
- When maintenance and observations were performed (Date and Time);
  - What maintenance and observations were performed;
  - Who performed the maintenance and observations [Name of Person(s)]; and
  - Acceptable parameter ranges for each operational check.

O&M Logs shall be retained onsite for a minimum of the most recent three (3) year period.

[Rules 62-4.070(3) and 62-210.650 (Circumvention), F.A.C.; Construction Permits No. 1050157-009-AC]