



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

NORTHEAST DISTRICT  
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JACKSONVILLE, FLORIDA 32256

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SECRETARY

*Sent by Electronic Mail – Received Receipt Requested*

**PERMITTEE**

Pilgrim's Pride Corporation of Georgia, Inc.  
463 Weyanoke Dr  
Evans, GA 30809

Air Permit No. 1210018-014-AC  
Permit Expires: February 7, 2014  
Issue date: February 7, 2015  
Minor Source Air Construction Permit  
Facility Wide Changes

Authorized Representative:

Mr. Stephen James, Southeast Director, Environmental Engineering

This is the final air construction permit, which authorizes facility wide changes including the removal of Emission Unit (EU) No. 003 (500 HP Steam Boiler), removal of EU 004 (rendering system with odor control scrubber), after the fact permitting of the new water heater (24.354 MMBtu/hr), updating of the capacity and rule applicability for EU No. 005 (Steam Generating Boiler No. 4), and EU No. 008 (Steam Generating Boiler No. 5), removal of fuel oil as an allowed fuel for the water heater and the two remaining boilers (EU 005 and EU 007), and establishment of a facility wide cap for oxides of nitrogen requested by the applicant.

This permitting action affects the Pilgrim's Pride Corporation of Georgia, Inc. Live Oak poultry processing facility (Standard Industrial Classification No. 2048). The facility is located in Suwannee County at 19470 US Highway 90, Live Oak, Florida 32060. The UTM coordinates are Zone 17, 292.69 km East, and 3362.07 km North.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction 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 make the proposed changes in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

**AIR CONSTRUCTION PERMIT**

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Upon issuance of this final permit, 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 (Mail Station #35, 3900 Commonwealth Boulevard, 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 30 days after this order is filed with the clerk of the Department.

Executed in Jacksonville, Florida



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Richard S. Rachal III, P.G.  
Program Administrator  
Waste and Air Resource Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) 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 **February 7, 2014** to the persons listed below.

Stephen James, Pilgrim's Pride Corporation: [stephen.james@pilgrims.com](mailto:stephen.james@pilgrims.com)  
Thomas Sweat, P.E., Environmental Planning Specialists, Inc.: [tsweat@envplanning.com](mailto:tsweat@envplanning.com)  
Tri Drucker, Environmental Planning Specialists, Inc.: [tdrucker@envplanning.com](mailto:tdrucker@envplanning.com)

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.



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(Clerk)

February 7, 2014

**SECTION 1. GENERAL INFORMATION**

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**FACILITY AND PROJECT DESCRIPTION**

**Existing Facility**

The Live Oak, FL Processing Plant consists of (3) steam boilers (Nos. 3, 4 & 5), a rendering process with an odor control scrubber, and a waste gas burner consisting of a flare and ignition system combusting gas generated from the anaerobic lagoon. The existing facility consists of the following emissions units.

| <b>Facility ID No. 1210018</b> |  |
|--------------------------------|--|
| <b>ID No.</b>                  | <b>Emission Unit Description</b>             |
| 003                            | 500 HP Steam Boiler No. 3                    |
| 004                            | Rendering system w/ an odor control scrubber |
| 005                            | 500 HP Steam Boiler No. 4                    |
| 006                            | Anaerobic Lagoon Biogas Flare                |
| 007                            | 500 HP Steam Boiler No. 5                    |

**Proposed Project**

This air construction permit which authorizes facility wide changes including the removal of Emission Unit (EU) No. 003 (500 HP Steam Boiler), removal of EU 004 (rendering system with odor control scrubber), after the fact permitting of the new water heater designated as EU No. 008 (24.354 MMBtu/hr), updating of the capacity and rule applicability for EU No. 005 (Steam Generating Boiler No. 4), and EU No. 007 (Steam Generating Boiler No. 5), removal of fuel oil as an allowed fuel for the water heater and the two remaining boilers (EU 005 and EU 007), and establishment of a facility wide cap for oxides of nitrogen requested by the applicant.

Emission caps at this facility and at the new Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc. facility located at 19470 US Highway 90, Live Oak, FL 32060 restrict emissions below the major source threshold when assessing if the two facilities combined would be subject to the requirement to obtain a Title V Air Operating permit.

This project will add, affect, and/or modify the following emissions unit(s):

| <b>Facility ID No. 1210018</b> |  |
|--------------------------------|--|
| <b>ID No.</b>                  | <b>Emission Unit Description</b>   |
| 003                            | 500 HP Steam Boiler No. 3 (removed)  |
| 004                            | Rendering system w/ an odor control scrubber (permanently shutdown)              |
| 005                            | <del>500</del> HP Steam Boiler No. 4 (capacity updated by this permit to 800 HP) |
| 006                            | Anaerobic Lagoon Biogas Flare  |
| 007                            | <del>500</del> HP Steam Boiler No. 5 (capacity updated by this permit to 600 HP) |
| 008                            | Water Heater (previously unpermitted)  |
|                                |  |
|                                |  |

## SECTION 1. GENERAL INFORMATION

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### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C. *(This classification is contingent upon the Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc., cogeneration facility (adjacent to the Pilgrim's Pride facility) operating in accordance with the requirements of air construction permit 1210472-001-AC.*
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility is a synthetic non-title V source in accordance with Rule 62-210.200, F.A.C.

## SECTION 2.A. ADMINISTRATIVE REQUIREMENTS

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1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Waste and Air Resource Management. The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District. The Waste and Air Resource Management Program telephone number is (904) 256-1700.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance. The mailing address and phone number of the District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is (904) 256-1700.
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
  - d. Appendix D. Common Testing Requirements
  - e. Appendix E. 40 CFR 60 Subpart A – General Provisions
  - f. Appendix F. 40 CFR 60 Subpart Dc
  - g. Appendix BACT
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, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the owner or operator from compliance with any applicable federal, state, or local permitting or regulations.

[Rule 62-210.300, F.A.C.]
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.

[Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

[Rules 62-210.300(1) and 62-212.300(1) (a), F.A.C.]

## SECTION 2.A. ADMINISTRATIVE REQUIREMENTS

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7. Source Obligation:

- a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
- b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

8. Application for Operation Permit: This permit authorizes construction of the permitted emissions units and initial operation. The permittee shall apply for an air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation of the emissions unit in accordance with the authorizations of this construction permit. To apply for an operation permit, the applicant shall submit the appropriate application form, compliance test results (if required), and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority.

[Rules 62-4.030, 62-4.050, and Chapter 62-210, F.A.C.]

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**SECTION 2.B. FACILITY-WIDE CONDITIONS**

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1. Nitrogen Oxides (NO<sub>x</sub>) Emissions Caps:

- a. Pilgrim's Pride The total maximum allowable site wide NO<sub>x</sub> emissions from all operations at the Pilgrim's Pride site (Emissions Units 005 through 008 and heaters) shall not exceed 42.0 tons per any consecutive 12-month rolling period. This limitation is requested by the applicant.

Compliance with the NO<sub>x</sub> emissions cap shall be demonstrated from actual emissions determined on a 12-month rolling basis using the following equation:

$$[(EF_{\text{boilers}}) \text{ lbs NO}_x/\text{MMscf}](\text{Boiler}_{\text{Natural Gas}})(\text{Ton}/2000 \text{ lbs})] + [(EF_{\text{flare}}) (\text{Bio-gas}_{\text{Heat content}}) (\text{Flare}_{\text{bio-gas combusted}}) ((\text{Ton}/2000 \text{ lbs})] \leq 42.0 \text{ TPY, NO}_x$$

Where:

EF<sub>boiler</sub> = NO<sub>x</sub> emission rate from most recent annual performance test, lbs/MMscf

Boiler<sub>Natural Gas</sub> = Rolling 12-month total of natural gas fired at the facility, million scf (MMscf)

EF<sub>flare</sub> = NO<sub>x</sub> emission rate from EPA AP-42, Section 13.5, Table 13.5-1, 0.068 lbs/MMBtu

Bio-gas<sub>Heat content</sub> = Higher heating value of bio-gas, (8.41E-04 MMBtu/scf)

Flare<sub>bio-gas combusted</sub> = Rolling 12-month total of bio gas combusted in the flare (EU-006), (scf)

If necessary, the permittee shall adjust the boiler operation to comply with the NO<sub>x</sub> emissions cap.

[Application No. 1210018-014-AC; Applicant Requested Emission Limitation; Title V Major Source Applicability Avoidance; Rule 62-4.070(3), F.A.C; Rule 62-210.200, F.A.C.(PTE)]

- b. Pilgrim's Pride Corporation of Georgia, Inc. Live Oak, Florida Processing facility and the Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc. energy facility: The total maximum allowable facility wide NO<sub>x</sub> emissions from all operations at the Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc. energy facility (AIRS ID #1210472) and the Pilgrim's Pride Corporation of Georgia, Inc. Live Oak, Florida Processing facility (AIRS ID #1210018) combined shall not exceed 99.0 tons per any consecutive 12-month rolling period. This limitation is requested by the applicant to escape being classified as a Title V Major source when emissions are totaled with the Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc. energy facility (AIRS ID #1210472).

Compliance with this NO<sub>x</sub> emissions cap shall be demonstrated from actual emissions determined from the Pilgrim's Pride Corporation of Georgia, Inc site as stated in Facility-Wide Condition 1.a. and actual emissions determined from the Live Oak Heat & Power, LLC, a project developed by Blue Earth, Inc. site as specified within the air permit for the facility.

[Application No. 1210018-014-AC; Applicant Requested Emission Limitation; Title V Major Source Applicability Avoidance; Rule 62-4.070(3), F.A.C; Rule 62-210.200, F.A.C.(PTE)]

2. Facility Wide NO<sub>x</sub> Emissions Caps - Recordkeeping: The owner or operator shall maintain a record of the site wide NO<sub>x</sub> and the facility-wide NO<sub>x</sub> emissions as specified in Facility-Wide Condition 1 on monthly basis and a 12 month rolling basis.

All supporting information, documentation, and records used to compute emissions shall be maintained onsite at the facility in a permanent form suitable for Department inspection for at least five years from the date the data is recorded. This includes, but it not limited to performance test results, emission unit hours of

## SECTION 2.B. FACILITY-WIDE CONDITIONS

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operation, methods, calculations, and formulas. These records and materials shall be made available to the Department or federal air pollution agency upon request.

[Rule 62-4.070(3), F.A.C., Rule 62-4.160(14)(b), F.A.C., Rule 62-210.370(1),F.A.C.]

3. Annual Operating Report. The Permittee shall submit an annual report, as specified in Appendix C – Common Conditions of this permit, which summarizes the actual operating rates and emissions from this facility. The Annual Operating Report for Air Pollutant Emitting Facility (DEP form number 62-210.900(5)) shall be completed each year and shall be submitted to the Compliance Authority by April 1 of the following year.

[Rule 62-210.370(3), F.A.C.]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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### EU No. 005, Boiler No. 4

This section of the permit addresses the following emissions unit:

| ID No. | Emission Unit Description   |
|--------|---|
| 005    | Boiler #4 (Superior Boilers: Apache, 800 hp, 26.816 MMBtu/hr, constructed in 1993) fired by Natural Gas. -- The boiler is subject to <u>40 CFR 60, Subpart Dc, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart A, General Provisions and Particulate matter (PM), Sulfur Dioxide (SO<sub>2</sub>), and Visible Emissions (VE) standards in Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with Less Than 250 Million Btu Per Hour Heat Input, New and Existing Emissions Units.</u> Additional restrictions have been added to avoid classification as a Title V Facility and as a Major Source. |

### EQUIPMENT

1. Equipment Name: The No. 4 boiler is manufactured by Superior Boilers: Apache, 800 hp, 26.816 MMBtu/hr, constructed in 1993.

[Application No. 1210018-014-AC]

### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: Boiler No. 4 shall be limited to a maximum heat input of 26.816 MMBtu per hour.

[Rule 62-210.200(PTE), F.A.C.; Application No. 1210018-014-AC]

3. Authorized Fuel: Fuels shall be limited to natural gas.

[BACT Determination, Application No. 1210018-014-AC, Rules 62-210.200(PTE), and 62-204.800, F.A.C.; Application No. 1210018-014-AC]

4. Operation: The hours of operation are not limited (i.e., 8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

### EMISSIONS STANDARDS

5. a. Emission Limiting Standards for Opacity

The boiler shall be subject to Visible Emissions – 20 percent opacity except for one six-minute period per hour during which opacity shall not exceed 27 percent.

[Rule 62-296.406(1), F.A.C.]

- b. Emission Limiting Standards for Particulate Matter (PM) -- The boiler shall be subject to a Best Available Control Technology Determination for PM emissions. PM emissions shall be controlled by the use of exclusively firing natural gas. See **BACT Determination**.

[Rule 62-296.406(2), F.A.C.]

- c. Emission Limiting Standards for Sulfur Dioxide (SO<sub>2</sub>) -- The boiler shall be subject to a Best Available Control Technology Determination for SO<sub>2</sub> emissions. SO<sub>2</sub> emissions shall be controlled by the use of exclusively firing natural gas. See **BACT Determination**.

[Rule 62-296.406(2), F.A.C.]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### EU No. 005, Boiler No. 4

#### COMPLIANCE AND PERFORMANCE TEST METHODS FOR OPACITY

6. EPA Reference Method 9 of 40 CFR 60, Appendix A is used for determining the opacity of stack emissions under Rule 62-296.406(1), F.A.C.

Initial testing shall be conducted for a minimum period of one hour. Initial testing shall be conducted within 180 days of issuance of this air construction permit.

[40 CFR 60, Appendix A, Rules 62-204.800, 62-297.310, and 62-4.070, F.A.C.]

#### COMPLIANCE DETERMINATIONS FOR SULFUR DIOXIDE AND PARTICULATE MATTER

7. For air operating permit renewal the permittee shall certify in the permit application that only natural gas was burned in the boiler for the term of the permit.

[Rule 62-4.070, F.A.C.]

#### COMPLIANCE DETERMINATIONS FOR OXIDES OF NITROGEN

8. An initial performance test using EPA Method 7, 7A, 7E of 40 CFR 60 Appendix A, or other applicable DEP approved reference methods, shall be conducted not later than 180 days after the issuance of this permit. Subsequent performance tests shall be conducted upon Department request in accordance with Rule 62-297.310(7)(b), F.A.C. See section 2.B, Facility – Wide Conditions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

#### REPORTING AND RECORDKEEPING REQUIREMENTS

9. a. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. [Satisfied by permit application 1210018-014-AC]

(2) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. [Satisfied by Pilgrim's Pride letter received by the Permitting Authority on December 12, 2013]

[40 CFR 60.48c(a), Rule 62-204.800, F.A.C.]

- b. Any owner or operator subject to the provisions of this part shall furnish the Department written notification or, if acceptable to both the Department and the owner or operator of a source, electronic notification, as follows:

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### EU No. 005, Boiler No. 4

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date. Note: Please estimate original actual start-up date if actual date cannot be ascertained from records.

[40 CFR 60.7(a), Rule 62-204.800, F.A.C.]

- c. The owner or operator shall record and maintain records of the total amount of each steam generating unit fuel delivered to that property (Pilgrim's Pride Corporation of Georgia, Inc.) during each calendar month.

[40 CFR 60.48c(g)(3), Rule 62-204.800, F.A.C.]

- d. All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

[40 CFR 60.48c(i), Rule 62-204.800, F.A.C.]

10. See section 2.B, Facility – Wide Conditions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

### EU No. 007, Boiler No. 5

| ID No. | Emission Unit Description  |
|--------|--|
| 007    | Boiler No. 5 (Manufacturer: Johnston: 600 hp, 20.11 MMBtu/hr, constructed in 1998) fired by Natural Gas. -- The boiler is subject to <u>40 CFR 60, Subpart Dc, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart A, General Provisions and</u> Particulate matter (PM), SO <sub>2</sub> , and Visible Emissions (VE) standards in Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with Less Than 250 Million Btu Per Hour Heat Input, New and Existing Emissions Units. Additional restrictions have been added to avoid classification as a Title V Facility and as a Major Source. |

### EQUIPMENT

1. Equipment Name: The No. 5 boiler is manufactured by Johnston boilers: 600 hp, 20.11 MMBtu/hr, constructed in 1998.

[Application No. 1210018-014-AC]

### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: Boiler No. 5 shall be limited to a maximum heat input of 20.11 MMBtu per hour.

[Rule 62-210.200(PTE), F.A.C.; Application No. 1210018-014-AC]

3. Authorized Fuel: Fuels shall be limited to natural gas.

[BACT Determination, Application No. 1210018-014-AC, Rules 62-210.200 (PTE), and 62-204.800, F.A.C.]

4. Operation: The hours of operation are not limited (i.e., 8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

### EMISSIONS STANDARDS

5. a. Emission Limiting Standards for Opacity

The boiler shall be subject to Visible Emissions – 20 percent opacity except for one six-minute period per hour during which opacity shall not exceed 27 percent.

[Rule 62-296.406(1), F.A.C.]

- b. Emission Limiting Standards for Particulate Matter (PM) -- The boiler shall be subject to a Best Available Control Technology Determination for PM emissions. PM emissions shall be controlled by the use of exclusively firing natural gas. See **BACT Determination**.

[Rule 62-296.406(2), F.A.C.]

- c. Emission Limiting Standards for Sulfur Dioxide (SO<sub>2</sub>) -- The boiler shall be subject to a Best Available Control Technology Determination for SO<sub>2</sub> emissions. SO<sub>2</sub> emissions shall be controlled by the use of exclusively firing natural gas. See **BACT Determination**.

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### EU No. 007, Boiler No. 5

[Rule 62-296.406(2), F.A.C.]

#### COMPLIANCE AND PERFORMANCE TEST METHODS FOR OPACITY

6. EPA Reference Method 9 of 40 CFR 60, Appendix A is used for determining the opacity of stack emissions under Rule 62-296.406(1), F.A.C. Initial testing shall be conducted for a minimum period of one hour. Initial testing shall be conducted within 180 days of issuance of this air construction permit.

[40 CFR 60, Appendix A, Rules 62-204.800, 62-297.310, and 62-4.070, F.A.C.]

#### COMPLIANCE DETERMINATIONS FOR SULFUR DIOXIDE AND PARTICULATE MATTER

7. For air operating permit renewal the permittee shall certify in the permit application that only natural gas was burned in the boiler for the term of the permit.

[62-4.070, F.A.C.]

#### COMPLIANCE DETERMINATIONS FOR OXIDES OF NITROGEN

8. A performance test using EPA Method 7, 7A, 7E of 40 CFR 60 Appendix A, or other applicable DEP approved reference methods, shall be conducted, upon Department request, in accordance with Rule 62-297.310(7)(b), F.A.C. Note: The EF for NO<sub>x</sub> (lbs/MMscf) determined for Boiler No. 4 (EU No. 005) shall be used in determining Facility wide oxides of nitrogen emissions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

#### REPORTING AND RECORDKEEPING REQUIREMENTS

9. a. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:
  - (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. [Satisfied by permit application 1210018-014-AC]
  - (2) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. [Satisfied by Pilgrim's Pride letter received by the Permitting Authority on December 12, 2013]

[40 CFR 60.48c(a), Rule 62-204.800, F.A.C.]

- b. Any owner or operator subject to the provisions of this part shall furnish the Department written notification or, if acceptable to both the Department and the owner or operator of a source, electronic notification, as follows:

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### EU No. 007, Boiler No. 5

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date. Note: Please estimate actual start-up date if actual date cannot be ascertained from records.

[40 CFR 60.7(a), Rule 62-204.800, F.A.C.]

- c. The owner or operator shall record and maintain records of the total amount of each steam generating unit fuel delivered to that property (Pilgrim's Pride Corporation of Georgia, Inc.) during each calendar month.

[40 CFR 60.48c(g)(3), Rule 62-204.800, F.A.C.]

- d. All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

[40 CFR 60.48c(i), Rule 62-204.800, F.A.C.]

- 10. See section 2.B, Facility – Wide Conditions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

### EU No. 008, KEMCO Water Heater

| ID No. | Emission Unit Description   |
|--------|---|
| 008    | Water Heater (Kemco Boiler: 24.35 MMBtu/hr , constructed in 2010) fired by Natural Gas. -- The boiler is subject to <u>40 CFR 60, Subpart Dc, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units</u> and <u>40 CFR 60, Subpart A, General Provisions</u> . Additional restrictions have been added to avoid classification as a Title V Facility and as a Major Source. The unit only heats water and does not generate steam. |

#### EQUIPMENT

1. Equipment Name: The water heater is a Kemco brand: 24.4 MMBtu/hr, constructed in 2010.  
[Application No. 1210018-014-AC]

#### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: The Kemco water heater shall be limited to a maximum heat input of 24.4 MMBtu per hour.  
[Rule 62-210.200(PTE), F.A.C.; Application No. 1210018-014-AC]
3. Authorized Fuel: Fuels shall be limited to natural gas.  
[Application No. 1210018-014-AC, Requested by the Applicant, Rules 62-210.200(PTE), F.A.C.]
4. Operation: The hours of operation are not limited (i.e., 8760 hours per year).  
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

#### EMISSIONS STANDARDS

Permitting Note: There are no specific emission limiting standards.

#### COMPLIANCE DETERMINATIONS FOR OXIDES OF NITROGEN

5. A performance test using EPA Method 7, 7A, 7E of 40 CFR 60 Appendix A, or other applicable DEP approved reference methods, shall be conducted, upon Department request, in accordance with Rule 62-297.310(7)(b), F.A.C. Note: The EF for NO<sub>x</sub> (lbs/MMscf) determined for Boiler No. 4 (EU No. 005) shall be used in determining Facility wide oxides of nitrogen emissions.  
[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

#### REPORTING AND RECORDKEEPING REQUIREMENTS

6. a. The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### EU No. 008, KEMCO Water Heater

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. [Satisfied by permit application 1210018-014-AC]
- (2) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. [Satisfied by Pilgrim's Pride letter received by the Permitting Authority on December 12, 2013]

[40 CFR 60.48c(a), Rule 62-204.800, F.A.C.]

- b. Any owner or operator subject to the provisions of this part shall furnish the Department written notification or, if acceptable to both the Department and the owner or operator of a source, electronic notification, as follows:

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date. Note: Please estimate actual start-up date if actual date cannot be ascertained from records.

[40 CFR 60.7(a), Rule 62-204.800, F.A.C.]

- c. The owner or operator shall record and maintain records of the total amount of each steam generating unit fuel delivered to that property (Pilgrim's Pride Corporation of Georgia, Inc.) during each calendar month.

[40 CFR 60.48c(g)(3), Rule 62-204.800, F.A.C.]

- d. All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

[40 CFR 60.48c(i), Rule 62-204.800, F.A.C.]

7. See section 2.B, Facility – Wide Conditions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

### EU No. 006, Anaerobic Lagoon with Biogas Flare

| ID No. | Emission Unit Description  |
|--------|--|
| 006    | Anaerobic Lagoon with Biogas Flare The flare combusts biogas generated anaerobically by the oxygen starved lagoon. Maximum production of biogas is estimated at 21,000 standard cubic feet per hour. VOCs and HAPs are primarily converted to carbon dioxide and the hydrogen sulfide in the biogas is converted primarily to sulfur dioxide. Flare temperatures range between 1000 to 2000 degrees Fahrenheit depending upon the heat content of the biogas. Nominal heat content is estimated at 650 Btu per cubic foot. |

#### EQUIPMENT

1. Equipment Name: Anaerobic Lagoon with Biogas Flare: The estimated maximum heat input is 13.65 MMBtu per hour.

[Application No. 1210018-014-AC]

#### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: Operate the flare within the maximum estimated capacity of 13.65 MMBtu per hour heat input of biogas.

[Rule 62-210.200(PTE), F.A.C.; Application No. 1210018-014-AC]

Authorized Fuel: Fuels shall be limited to biogas generated by the anaerobic lagoon and natural gas (used for start-up purposes only).

[Application No. 1210018-014-AC, Requested by the Applicant, Rules 62-210.200(PTE), F.A.C.]

3. Hours of Operation: The hours of operation are not limited (i.e., 8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

4. Operation: Operate the flare in accordance with good engineering practices minimizing the smoke generated.

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

#### REPORTING AND RECORDKEEPING REQUIREMENTS

6. See section 2.B, Facility – Wide Conditions.

[Rule 62-4.070, F.A.C.; Title V Major Source Applicability Avoidance]