Florida Department of Environmental Protection

Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

Kraft Heinz Foods Company
735 E. Bay Street
Jacksonville, Florida 32202

Authorized Representative:
Bethany Mielke, Factory Manager

Air Permit No. 0310004-031-AC
Permit Expires: **October 24, 2017**
Minor Air Construction Permit
Revision

Kraft Heinz Foods Company
Replace baghouse with a cyclone at
(EU569)

PROJECT

This is the final air construction permit, which revises Permit No. 0310004-029-AC for the following items: Revision to change a control device from a baghouse to a high efficiency cyclone. Kraft Heinz Foods Company is a Roasted Coffee facility categorized under Standard Industrial Classification No. 2095. The existing facility is located in Duval County at 735 E. Bay Street, in Jacksonville, Florida. The UTM coordinates are Zone 17, 437.5 km East and 3354.7 km North; Latitude: 30° 19' 27" North and Longitude: 81° 38' 53" West.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions). As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

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.). This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is 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. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

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

Richard S. Rachal III, P.G.
Permitting Program Administrator

FILING AND ACKNOWLEDGEMENT & 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 Revision) 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 following persons.

Bethany Mielke, Factory Manager, Kraft Heinz Foods Company, (Bethany.Mielke@kraftheinzcompany.com)
Rick Brimo, Environmental Manager, Kraft Heinz Foods Company, (RBrimo@kraft.com)
George Whitmer, Whitmer Environmental Services, Inc., (george@whitmerenv.com)
Stephen Alexander, PE Consultant, Whitmer Environmental Services, Inc., (STEVEAIR57@yahoo.com)

Leslie Maybin
Clerk

October 24, 2016
Date

FACILITY DESCRIPTION

The existing facility is a Roasted Coffee facility, which consists of the following emissions units and activities:

Emissions Unit – 501	GFM Boiler
Emissions Unit – 503	Thermalo Roasters
Emissions Unit – 504	Probat Roasters
Emissions Unit – 506	Batch Roasters
Emissions Unit – 509	Hot Chaff System
Emissions Unit – 510	(22) Bunkers
Emissions Unit – 511	GFM Bunkers
Emissions Unit – 512	Thermalo Green Bean Conveying System
Emissions Unit – 513	Thermalo Cooling Cars
Emissions Unit – 516	Probat Green Bean Feed System
Emissions Unit – 517	Probat Destoner Cooling Cars
Emissions Unit – 518	Probat Cold Chaff System
Emissions Unit – 519	Probat Scales
Emissions Unit – 524	Batch Green Bean Storage Silos
Emissions Unit – 525	Batch Roasters Green Bean Feed System
Emissions Unit – 526	Batch Cooling Cars
Emissions Unit – 527	Batch Destoners
Emissions Unit – 528	BAR Systems Nos. 1, 2 & 3
Emissions Unit – 529	Whole Roasted Bean Storage
Emissions Unit – 530	Gevalia and SIG-VAC Packaging Machines
Emissions Unit – 532	GFIC Sugar Unloading
Emissions Unit – 533	GFIC Minors Dump Station Receiving
Emissions Unit – 534	GFIC Majors Dump Station Receiving
Emissions Unit – 535	GFIC Finished Mix
Emissions Unit – 536	GFM Surge Bins
Emissions Unit – 537	GFM Bean Separator
Emissions Unit – 538	GFM Process
Emissions Unit – 539	Green Coffee Silos
Emissions Unit – 540	Green Coffee Silo Airveying
Emissions Unit – 550	GFM Drying Zone 1
Emissions Unit – 551	GFM Drying Zone 2
Emissions Unit – 552	GFM Drying Zone 3
Emissions Unit – 555	Fire Pump Diesel Engine
Emissions Unit – 556	BARs 1 and 2 Mixers
Emissions Unit – 557	Gevalia Green Bean Storage Tanks
Emissions Unit – 558	Process Dust Baghouse
Emissions Unit – 559	Tassimo Green Bean Storage Tanks
Emissions Unit – 560	Gevalia/Tassimo Destoners
Emissions Unit – 561	Hammer Mills
Emissions Unit – 562	(3) Decaff Bins each controlled with a Bin Vent Filter
Emissions Unit – 563	Green Silo Decaff #5 controlled with Dust Collector
Emissions Unit – 564	Green Silo Caff #4 controlled with Dust Collector
Emissions Unit – 565	(2) Probat Premium Destoners controlled with a Baghouse
Emissions Unit – 566	(2) Batch Coffee Roasters 500 and 600
Emissions Unit – 567	(3) Green Bean Batch Receivers 500, 600 and 700
Emissions Unit – 568	(3) Batch Cooling Cars 500, 600 (Two identical units) and Batch Cooling Car 700

FACILITY DESCRIPTION CONTINUED:

Emissions Unit – 569	Batch Cold Chaff Receiver
Emissions Unit – 570	Batch Destoner System B3 with baghouse

FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **does not** operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility **is** a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility **is not** a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

PROPOSED PROJECT

This project will revise the following emissions unit.

Facility ID No. 0310004	
ID No.	**Emission Unit Description**
569	Batch Cold Chaff Receiver.

The following permit conditions are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight.

Permit Being Modified: Permit No. Air Permit No. 0310004-029-AC

Affected Emissions Unit: EU-569 Batch Cold Chaff Receiver

EU Description

EU No.	Emission Unit Description
569	Batch Cold Chaff Receiver. Control Device: ~~Baghouse~~ Kice High Efficiency (95.0 – 99.9%) Cyclone or equivalent.

{Brief descriptions of emissions units: Batch Cold Chaff Receiver removes debris from destoner and cold side of roaster. Stack height: 46 feet.}

{This emissions unit is regulated under Reasonably Available Control Technology (RACT) Particulate Matter Rule 62-296.700(4)(a)6., F.A.C.; Reasonably Available Control Technology (RACT) Miscellaneous Manufacturing Process Operations, Rule 62-296.712(2), F.A.C.; Rule 2.301, JEPB; Rule 2.1101, JEPB; Rule 2.1201, JEPB; and Rule 2.1401, JEPB}

Specific Conditions: These conditions are revised as follows.

RR.1. **Equipment Name**: The permittee is authorized to install EU569 Batch Cold Chaff Receiver with a ~~baghouse~~ Kice High Efficiency (95.0 – 99.9%) Cyclone or equivalent.

The construction shall be in accordance with the application and associated documents provided to the Permitting Authority for the issuance of this permit. Any changes to the project that are contrary to these documents and permit shall be reported in writing to the Permitting Authority by the P.E. of Record.

[Permit No. 0310004-029-AC; and Application No. 0310004-031-AC]

RR.2. **Particulate Matter Emissions:** PM emissions shall not exceed 0.03 grain per dry standard cubic foot. However, the owner or operator may exceed these emission limits if the facility utilizes a pollution control device or system for control of particulate matter which has an actual particulate matter collection efficiency of at least 98 percent (**See Specific Condition No. RR.8.c**). Potential to emit 0.308 pound per hour, and 1.3 tons per year.

[Permit No. 0310004-029-AC, Rule 62-296.712(2), F.A.C.; Rule 2.1101, JEPB; and Application No. 0310004-031-AC]

RR.3. **Visible Emissions:** Visible Emissions shall not exceed 5 percent opacity.

[Rule 62-296.712(2), F.A.C.; Rule 2.1101, JEPB; and Application No. 0310004-031-AC]

TESTING AND FREQUENCY REQUIREMENTS

RR.7. **a. Initial Visible Emissions - Test and Method.** Initial VE testing shall be conducted to demonstrate compliance with the emissions standard in **Specific Condition No. RR.3**, in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. [Rule 62-4.070(3), F.A.C.; 62-297.310(8)(a)1., F.AC.; Rule 2.1401, JEPB; Rule 62-296.712(3)(a), and (d), F.A.C., and Application No. 0310004-031-AC

RR.7. Continued:

b. Visible Emissions - Test Method and Frequency: VE shall be tested during each calendar year (January 1st to December 31st) ~~annually, each federal fiscal year (October 1 – September 30)~~. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A-4) for the visual determination of opacity. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rules 62-4.070(3), F.A.C., 62-297.310(8)(a)1., F.AC.; Rule 2.1401, JEPB; Rule 62-296.712(3)(a), and (d), F.A.C., and Application No. 0310004-031-AC]

RR.8.a. Initial Particulate Matter - Test and Method. Initial Particulate Matter Emissions shall be conducted to demonstrate compliance with the emissions standard in **Specific Condition No. RR.2.**, in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A-3), adopted and incorporated by reference at Rule 62-204.800, F.A.C. The minimum sample volume shall be 30 dry standard cubic feet. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit.

[Rules 62-4.070(3), F.A.C., 62-297.310(8)(a)1., F.A.C., Rule 2.1401, JEPB; Rule 62-296.712(3)(b), and (d), F.A.C., Application No. 0310004-031-AC]

b. Particulate Matter- Test Method and Frequency: Particulate Matter Emissions shall be tested during each calendar year (January 1st to December 31st) ~~annually, each federal fiscal year (October 1 – September 30)~~. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A-3), ~~for particulate matter~~ adopted and incorporated by reference at Rule 62-204.800, F.A.C. The minimum sample volume shall be 30 dry standard cubic feet. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rules 62-4.070(3), F.A.C., 62-297.310(8)(a)1., F.A.C., Rule 2.1401, JEPB; Rule 62-296.712(3)(b), and (d), F.A.C., Application No. 0310004-~~029~~ 031-AC]

c. Additional Particulate Matter Testing: If the facility does not meet the 0.03 grain per dry standard cubic foot during the Initial PM test with the high efficiency cyclone, the facility shall conduct another test at the inlet and outlet of the cyclone to document that the PM emissions control device has an actual particulate matter collection efficiency of at least 98 percent **(See Specific Condition No. RR.2**.

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

RR.11. Commencement of Construction and Operation. After the construction of the Batch Cold Chaff Receiver **EU569** is installed, the permittee shall submit to the Air Compliance Authority of this Office written notifications of the date of commencement of construction and operation of **EU569**. These notifications shall be submitted or postmarked to Christopher.Kirts@dep.state.fl.us within as many days prior to the date of construction and operation commencement as practical, but no later than thirty (30) business day following commencement of construction and operation.

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

RR.13. **Construction and Expiration**. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires.

[Rules 62-4.070(3) and (4), 62-4.080 and 62-210.300(1), F.A.C.]

RR.14. **Application for Title V Permit**. This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority.

[Rules 62-4.030, 62-4.050 and Chapter 62-213, F.A.C.]