

Best Available Control Technology (BACT) Determination

Pilgrim's Pride Corporation of Georgia, Inc., Inc.
Live Oak Poultry Processing Facility
Suwannee County
Boiler No. 4, 800 HP -- Apache Natural Gas Fired Boiler
Boiler No. 5, 600 HP -- Johnston Natural Gas Fired Boiler
February 7, 2014

This BACT Determination is required for the source as set forth in Rule 62-296.400, Florida Administrative Code (F.A.C.) - Specific emission Limiting and Performance Standards, and Rule 62-296.406, F.A.C. - Fossil Fuel Steam Generators with less than 250 MMBtu per Hour Heat Input, New and Existing Sources.

The applicant has applied for construction permit (1210018-014-AC) for a modification to these two boilers. The boilers shall only be fired with natural gas.

BACT Determination Requested by the Applicant

Particulate Matter (PM) and Sulfur Dioxide (SO₂) emissions shall be controlled by the exclusive firing of natural gas.

Date of Receipt of BACT Application

October 16, 2013

BACT Determination by the Department

PM and SO₂ emissions shall be controlled by the exclusive firing of natural gas.

BACT Determination Rationale

Sulfur in fuel is a primary air pollution concern since most of the fuel sulfur becomes SO₂. PM emissions from fuel burning are related to the sulfur content of the fuel. The exclusive firing of natural gas shall be BACT for the boiler.

This determination is consistent with other recent BACT Determinations for small boilers (i.e., less than 100 MMBtu per hour heat input) and is more stringent than 40 CFR 60, Subpart Dc, New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units requirements.

Details of the analysis may be obtained by contacting:

Jerry Woosley, Air Permitting Specialist
Department of Environmental Protection
Northeast District Office
Waste and Air Resource Management Program
8800 Baymeadows Way West, Suite 100
Jacksonville, FL 32256

Recommended by:



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