

TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Oldcastle Retail, Inc., Bonsal American
6659 Highway Avenue
Jacksonville, FL 32254

Draft Permit No: 0310245-007-AC
County: Duval

B. PROJECT

On July 25, 2007, Oldcastle Retail, Inc, Bonsal American applied to the Department for a permit to construct/modify the existing cement products plant by modifying Emission Unit (EU) 002, two blended cementitious materials silos; EU 004, four cementitious materials silos; and by constructing EU 005, a blending pod. Oldcastle Retail, Inc., Bonsal American is located at 6659 Highway Avenue, Jacksonville, FL 32254.

II. RULE APPLICABILITY

The facility is located in an area designated as unclassifiable for the air pollutants particulate matter less than or equal to ten (10) micrometers, sulfur dioxide, and lead; and in an air quality maintenance area for ozone pursuant to Chapter 62-204, Florida Administrative Code (FAC), and Rule 2.201, Jacksonville Environmental Protection Board (JEPB).

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year pursuant to Chapter 62-210, FAC, and JEPB Rule 2.301.

The RACT Rule for Particulate Matter (PM) does not apply since the facility meets the exemption for allowable PM emissions in Rule 62-296.700(2)(a), FAC, and 2.1001, JEPB of less than 15 tons per year and 5 pounds per hour.

III. TECHNICAL EVALUATION

<u>EU No.</u>	<u>EU Description</u>	<u>Control Device</u>
002	Two Blended Cementitious Materials Silos	Two Sly, Inc., Model SBR-34-6 Bin Vent

Filters

The nominal volumetric flow rate of each bin vent filter for EU No. 002 is 600 cubic feet per minute (cfm).

The hours of operation of each silo for EU No. 002 shall not exceed 4,160 hours per year (hrs/yr).

The maximum process rate of each silo for EU No. 002 shall be limited to 10 tons per hour (tons/hr) and 41,600 tons per year (tons/yr).

Visible Emissions (VE) shall be limited to a maximum of 5% opacity.

<u>EU No.</u>	<u>EU Description</u>	<u>Control Device</u>
004	Four Cementitious Materials Silos	Four Sly, Inc., Model SBR-34-6 Bin Vent Filters

The nominal volumetric flow rate of each bin vent filter for EU 004 is 600 cfm.

The hours of operation of each silo for EU 004 shall not exceed 4,160 hrs/yr.

The maximum process rate of each silo for EU 004 shall be limited to 26 tons/hr and 108,160 tons/yr.

VE for shall be limited to a maximum of 5% opacity.

<u>EU No.</u>	<u>EU Description</u>	<u>Control Device</u>
005	Blending Pod	Whirl-Air-Flow, Model 130-42 Bin Vent Filter

The nominal volumetric flow rate of the bin vent filter for EU No. 005 is 300 cfm.

The hours of operation for EU 005 shall not exceed 4,160 hours/yr.

The maximum process rate for EU 005 shall be limited to 10 tons/hr and 41,600 tons/yr.

VE shall be limited to a maximum of 5% opacity.

IV. CONCLUSION

Based upon information provided by Oldcastle Retail, Inc., Bonsal American, the Department has reasonable assurance that the proposed construction/modification of the existing cement products plant, as described in the application and subject to the conditions proposed herein, will not cause, or contribute to a violation of any ambient air quality standard or other technical provision of Chapters 62-296 and 62-297, FAC, Rules 2.1001 and 2.1101, JEPB.