Title V Air Operation Permit Revision
Permit No. 1190042-010-AV

APPLICANT

This project is a Department initiated modification to the operating permit. This project incorporates the requirements of the Consent Order for OGC Case #13-1128 into the permit.

The permittee is American Cement Company, LLC. The applicant's responsible official and mailing address are: Mr. Cary Cohrs, President, American Cement Company, LLC, 4750 E. C.R. 470, P.O. Box 445, Sumterville, Florida 33585.

FACILITY DESCRIPTION

The permittee operates the Sumterville facility, which is located at 4750 E. C.R. 470, Sumterville, Florida. The existing facility consists of a dry process Portland cement plant.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to revise the existing Title V permit for the above referenced facility in order to incorporate conditions of Final Consent Order number 13-1128, which was executed December 3, 2013. This project also updates the permit requirements to the most recent version of 40 CFR 63 Subpart LLL (02/12/13 FR).

This permitting action, 1190042-010-AV, does not incorporate Construction Permit 1190042-009-AC into the operating permit.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

The Final Consent Order number 13-1128 was executed December 3, 2013.

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does not operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility is subject to the maximum achievable control technology (MACT) requirements in 40 CFR 63 Subpart LLL – National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, adopted and incorporated by reference in Rule 62-204.800(11)(b), F.A.C. (02/12/13 FR)

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

PROJECT REVIEW

Changes that were made as part of this renewal include the following:

(1) Various changes to reflect the Amended National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry, 40 CFR 63 Subpart LLL, which was finalized February 12, 2013.

(2) Added Condition C.19.c to allow for exclusion of SO2 data during startup, shutdown, and malfunction (SSM) conditions. The plan is dated June 2013, Rev 1.

(3) Added Condition C.26 to require operation in accordance with the operation and maintenance (O&M) plan and Startup, Shutdown, and Maintenance (SSM) plans which were submitted as required by the Consent Order OGC Case No. 13-1128, executed December 3, 2013. The Plan is dated "Revision Date: December 2010."

(4) Added Condition C.28 to require alternative (that is, backup) Continuous Emission Monitoring System (CEMS) as described in the CEMS Contingency Plan required by the Consent Order. The plan is dated November 2013.

(5) Added Condition C.30 to specify that the particulate matter CEMS must be installed prior to 2/25/2015 as required by the Consent Order OGC Case No. 13-1128, executed December 3, 2013, and NESHAP Subpart LLL (02/12/13 FR). Required performance testing is also described.

RECENT PERMIT HISTORY

Construction Permit 1190042-009-AC was issued November 19, 2012 to the facility to modify the existing clinker production rate for the plant. This increase brings permitted production rate to 3,250 short tons per day (TPD) and 1,186,250 short tons per year (TPY), with a corresponding production increase of finished cement to 1,300,000 short TPY. The permit also authorized firing of alternative fuels in the kiln system. This permitting action, 1190042-010-AV, does not incorporate Construction Permit 1190042-009-AC into the operating permit.

CONCLUSION

This project revises Title V air operation permit No. 1190042-007-AV, which was issued on November 8, 2011. It was the initial Title V operation permit for this facility. It incorporated the provisions of the initial air construction permit for this facility, Construction Permit 1190042-001-AC (PSD-FL-361), which authorized the construction of a Portland cement manufacturing facility, and subsequent amendments made in Construction Permits 1190042-002-AC (PSD-FL-361A) and 1190042-003-AC (PSD-FL-361B). This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.