

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

August 25, 1995

Mr. Joseph M. Stavola, President
Dixie Lime and Stone Co.
P.O. Box 1209
Anthony, FL 32617

Dear Mr. Stavola:

Re: Air Construction/Operation Permit Application Dated 7/27/95
DEP File Nos. AC60-275111, AO60-275112

On July 28, 1995 the Department received your application for air pollution permits for the Sumterville Mine rock crushing plant. In order to continue processing the application, the Department will need the following additional information pursuant to Rule 62-4.070(1), F.A.C.:


1. Please provide a facility plot showing the current location of the processes, offices, site roads, watered portion of the site roads, and property boundaries.
2. How often is the plant reconfigured?
3. Based on your maximum hourly rate of 1700 tons processed and the requested operating schedule of 8760 hours per year, the maximum annual throughput is 14,892,000 tons. The application lists the maximum annual rate as 5,000,000 tons processed and this is used to calculate annual emissions. Propose a limit on hours of operation or monthly tons processed (and a method of verification) to synthetically limit the maximum annual rate to 5,000,000 tons.
4. What is the size range (in mesh numbers) of the input and output of each crusher and screen?
5. Show how truck and/or railcar loading is accomplished in the process flow diagram. Are any precautions taken to reduce fugitive emissions during loading, such as shrouds, feed tubes, windbreaks, etc?
7. Please provide a more detailed drawing of both crusher/feeders showing the most likely point of Method 9 observation for each process.

8. Identify in the process flow diagram, by unique designation, each piece of equipment listed.
9. Please identify the storage bin in the process flow diagram.
10. Calculate emissions using AP-42, 5th Edition, Chapter 11.19.2, "Crushed Stone Processing" or explain why the emission factors used in the application are more appropriate. In the explanation, please provide copies of the cover of EPA-600/2-78-004e and any pertinent pages. Also, provide the basis for the use of "wet suppression" emission factors.
11. The construction permit application fee submitted (\$250) was based on emissions of <5 tons per year, however, the emissions listed for PM are given as 17.5 tons per year (fee = \$1000). After taking into account the responses to the above questions, recalculate the potential annual emissions and submit the proper fee, if appropriate.

"NOTICE: Pursuant to the provisions of Section 120.60, F.S. and Chapter 62-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department will issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible and indicating when a response to any unanswered question will be submitted. If the response will require longer than 90 days to develop, an application for new construction should be withdrawn and resubmitted when completed information is available. Or for operating permits, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

If you have any questions, please call me at (813)744-6100 extension 112.

Sincerely,


Eric Peterson
Air Permitting Engineer

cc: Steven C. Cullen, P.E., Koogler & Associates