

## **STATEMENT OF BASIS**

UNITED STATES GYPSUM CO.  
GYPSUM WALLBOARD MANUFACTURING PLANT  
Facility ID No.: 0310072  
Duval County

TITLE V AIR OPERATION PERMIT RENEWAL  
PROPOSED Permit No.: 0310072-014-AV  
Renewal of Title V Air Operation Permit No.: 0310072-011-AV

The Title V Air Operation Permit Revision, 0310072-011-AV, was effective April 13, 2004. This Title V Air Operation Permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit is for the renewal of the Title V Air Operation Permit 0310072-011-AV and the incorporation of a construction permit, No. 0310072-010-AC.

This facility consists of a manufacturing plant for the production of gypsum wallboard. Gypsum ore is received at the plant by ship and barge and unloaded into stockpiles. Gypsum ore is then crushed and dried. The dried, crushed gypsum is then further milled to produce landplaster. The landplaster is then fed to the calcining kettles where three fourths of the chemically bound water is removed to form stucco. Gypsum material is transferred by screw conveyors and bucket elevators. Stucco is then dry mixed with other additives and introduced to the pin mixer where water is added to the mix. The liquid stucco mix is then introduced between two sheets of paper in the wallboard forming machine to form wallboard. The wet wallboard is dried on the conveying lines, cut, end-trimmed and stacked for distribution. Stucco may also be further milled in ball mills and then mixed with additives to form plaster. Plaster is sent to bagging machines before distribution.

<u>EU ID No.</u>	<u>Brief Description</u>
005	Textures Bulk Calcium Carbonate Unloading and Supply System
006	No. 3 Stucco storage Bin
007	No. 4 Stucco storage Bin
037	No. 2 Raymond Mill
039	No. 5 & 6 Calcining Kettles
040	No. 2 Stucco Storage Bin
042	No. 2 Board Plant End Saws
043	No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator
048	Rotary Rock Dryer
054	Waste Board Reclaim System
057	No. 7 Calcining Kettle
058	Storage Bin No. 1

<u>EU ID No.</u>	<u>Brief Description</u>
060	No. 5 Raymond Mill
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screw
062	No. 3 Board Plant Starch Stucco Bin
063	No. 3 Board Plant End Saws
064	No. 3 Board Plant Stucco Feed Bin
065	No. 3 Board Plant Vermiculite/Starch Storage Bin
066	No. 6 Raymond Mill and Rock Screw
070	Joint Treatment Calcium Carbonate Storage Bin
072	Joint Treatment Talc Storage Bin
077	No. 1 Board Plant End Saws
088	Dunnage Machine Sawing Operation
089	No. 4 Raymond Mill
090	No. 3 Board Plant Ball Mill
092	Kettle Burners and Wallboard Dryers
093	Synthetic Gypsum Feed System
094	Gypsum Rock Unloading, Conveying, and Storage System
095	No. 1 MBR Calcining Kettle
096	No. 4 MBR Calcining Kettle
097	Nos. 2 & 3 Calcining Kettles
098	Hurst Boiler No. 1
099	Hurst Boiler No. 2
100	Hurst Boiler No. 3

Compliance Assurance Monitoring (CAM) applies to emission unit nos. 039, 048, 057, and 096.

Based upon the renewal Title V permit application received September 29, 2006 this facility is not a major source of hazardous air pollutants (HAPs).