

Golder Associates Inc.

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August 3, 2006



AUG 07 2006

053-7642

BUREAU OF AIR REGULATION

Bureau of Air Regulation  
Division of Air Resource Management  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attention: Mr. Alvaro Linero, P.E., South Permitting Section Administrator

**RE: TITAN AMERICA PENNSUCO CEMENT PLANT  
DEP FILE NO. 0250020-018-AV  
TITLE V RENEWAL APPLICATION**

Dear Mr. Linero:

As per Teresa Heron's recent request, provided below is information regarding the Titan America, LLC, Pennsuco Cement Plant (Titan) proposed two new baghouses on the cement truck loadout stations to control fugitive dust emissions. One baghouse (VL-002) controls the truck loadout operation for the Unit No. 2 Truck Loadout station. Note that the hopper that feeds the trucks is controlled by existing dust collector B-210. However, the actual truck loading operation is not currently controlled by a baghouse. The purpose of the new baghouse is to provide control for the loadout operation.

The second baghouse (VL-003) controls the truck loadout operation for the Unit No. 3 Truck Loadout station. The hopper that feeds the trucks is controlled by existing dust collector B-382. However, the actual truck loading operation is not currently controlled by a baghouse. The purpose of the new baghouse is to provide control for the loadout operation.

The attached revised flow diagram of the Cement Storage/Loadout/Packing operations shows the locations of the dust collectors. The specifications for these two new dust collectors are shown in Table 1.

Thank you for consideration of this information. If you have any questions, please contact me at (352) 336-5600:

Sincerely,  
GOLDER ASSOCIATES INC.

David A. Buff, P.E., Q.E.P.

Principal Engineer  
Florida P.E. #1901

SEAL

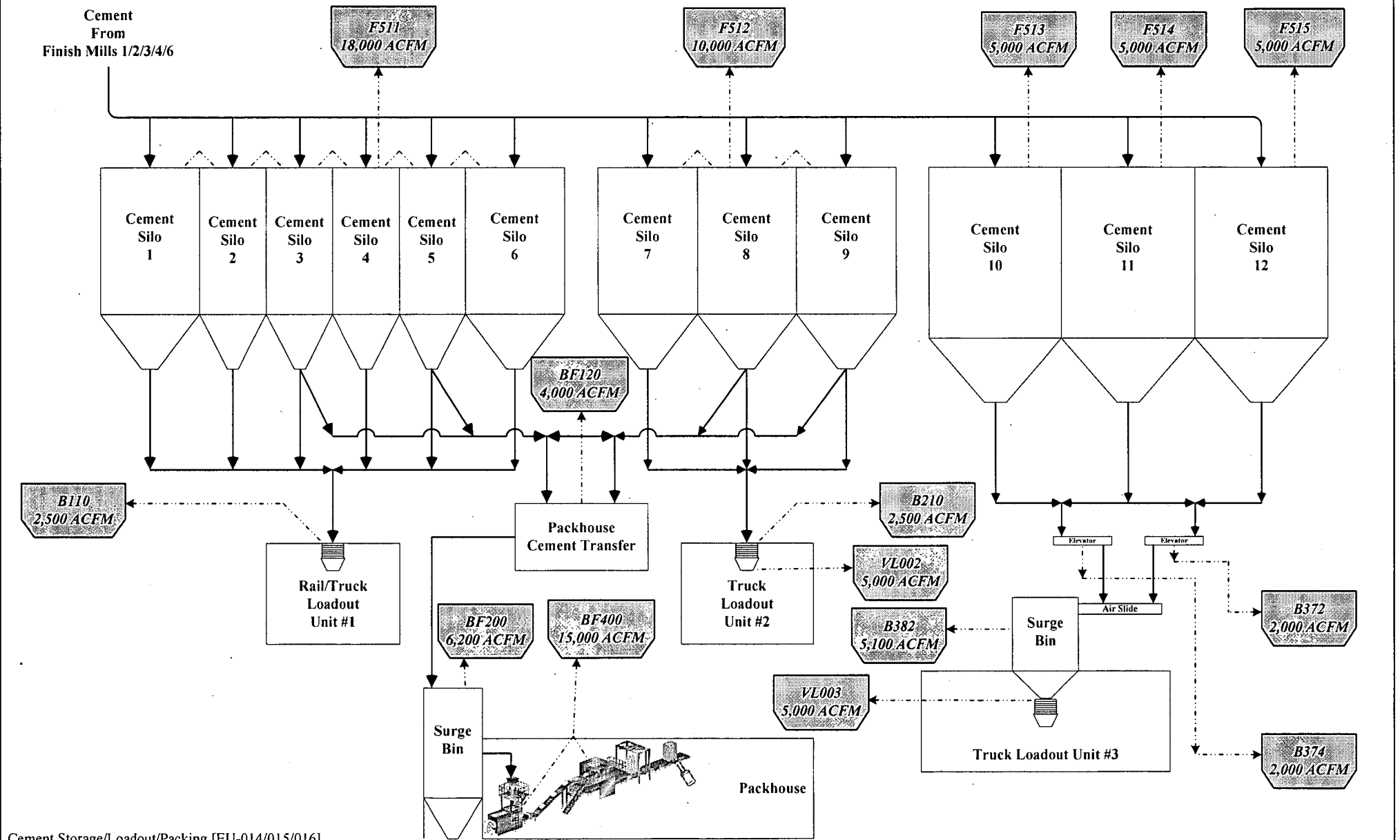
DB/all

cc: T. Lancaster, Titan America, LLC  
Miami-Dade County

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**TABLE 1**  
**DUST CONTROL EQUIPMENT - TRUCK LOAD-OUT**

Source Designators:	Unit #2 (VL002) and Unit #3 (VL003) DC info
Control Equipment Designation:	Truck Loading Baghouse
Baghouse Manufacturer:	Dust Control and Loading Systems
Model Name & Number:	CFM 330-1F14
Design Flow Rate (acfm):	5,000
Fabric Filter Area (ft <sup>2</sup> ):	329
Outlet Grain Loading (gr/dscf):	0.03
Maximum PM Emissions (lb/hr)	1.3 lb/hr
Pressure Drop (inches H <sub>2</sub> O):	4" - 7"
Air To Cloth Ratio:	7.3:1
Bag Weave	Non-woven
<sup>3</sup> Bag Material:	Spun Bond Filter
<sup>4</sup> Bag Cleaning Cycle:	Optional
Actual Gas Flow Rate (acfm):	2,400
Gas Temperature (Outlet-°F):	Ambient
Gas Temperature (Inlet-°F):	Ambient
Stack Height Above Ground (ft):	40
Exhaust Exit Diameter (ft):	0.63



Cement Storage/Loadout/Packing [EU-014/015/016]

DESCRIPTION  
 Attachment TM-EU6-11  
 Process Flow Diagram

TITLE: PENNSUKO CEMENT  
 FILENAME: 0537642/4.4/PlotPlans.vsd  
 LAST REVISION DATE: 8/3/2006

LEGEND  
 - - - - - Air Flow  
 \_\_\_\_\_ Solid Matter

