

MEMORANDUM

Ed in 10/17
[Signature]

TO : Ed K. Middleswart, P.E.
FROM *AA*: Andy Allen, Armando I. Sarasua
DATE : October 16, 1996
SUBJECT : Evaluation Summary for Premier Services Corporation, Finished Product Bins 1 & 2 Dust Collector, Source ID# 0450001009, Gulf County

We recommend issuing a Notice of Intent-to-Issue for a construction permit to Premier Services Corporation to construct a Finished Product Bins 1 & 2 Dust Collector. *Currently, there are no controls on these units.*

Process Description Powdered magnesium oxide and magnesium hydroxide, the finished product, is transferred into bins 1 & 2 by a screw conveyor feeding a bucket elevator at a rate of *4-13* tons/hr *(222-413)* of finished product. A flop gate at the top of the bins directs the air displaced during bin filling from the bin to the dust collector.

Pollution Control Equipment The baghouse dust collector controls dust from filling operation of storage bins 1 & 2 with magnesium oxide and magnesium hydroxide. The dust collector is a model 84BR025 bag filter manufactured by C P Environmental Filter, Inc. and has a 99% collection efficiency.

Environmental Impact

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Allowable Emissions</u>
PM	Permit Application	0.1 T/yr
VE	FAC Rule 62-296.712(3)(c)	5% opacity

Applicable Rules and Regulations A fee of \$250 was submitted. This fee is appropriate for a subtype 1F source with emissions of less than 5 tons/yr. This source is regulated in accordance with FAC Rule 62-296.320(4)(c), Particulate Matter and FAC Rule 62-296.320(4)(c), Fugitive Dust. Waiver of PM testing for 5% VE limit for emissions unit equipped with baghouse. This small emissions unit is in a major source because facility-wide emissions of PM trigger Title 5 requirements.

Compliance Monitoring Annual PM and VE tests. PM may be waived if VE test shows no visible emissions (5%). Permittee shall conduct daily monitoring of air pressure drop and visible emissions and conduct maintenance inspections monthly. Records will be maintained and kept of daily and monthly findings according to protocol submitted with permit application.

Compliance History No previously installed dust control device on this emissions point.

EKM:asc