

COUNTY



OF HILLSBOROUGH

DER

MAR 22 1985

MEMORANDUM

BAQM

Date March 19, 1985

To Willard Hanks, BAQM

From Blair Foley, HCEPC *BF*

Subject: Phosphoric Acid Defluorinating Scrubber (AC29-091316)

The Hillsborough County Environmental Protection Commission (HCEPC) has received Mr. Townsends reply to Mr. Fancy's incompleation letter, dated March 7, 1985, concerning the above source. A few additional items need to be addressed. The HCEPC offers the following comments.

1. Show the actual calculations or test data Mr. Lamb utilized in finding the heated acid producing 1.825 gr F1-/ft³.
2. What percentage of sludge is pumped to the feed prep and what percentage is sluiced to the holding pond.
3. Justify by calculations the 99% efficiency of the spray chamber "scrubber" described in section F of your application. A type of packing material could be utilized to increase the residence time (θ_c), of the vapor and liquid, which would in turn increase the efficiency of the unit.
4. A best available control technology (BACT) determination is in progress for the fluoride control spray chamber.

If you have any questions concerning this, please feel free to call me at 272-5960.

cc: Bill Thomas

BF/ch