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October 14, 1982 4410-82-L-0024

RECULATORY COMMISSION

TMI Program Office
Attn: Mr. L. H. Barrett, Deputy Program Director
US Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, PA 17057-0191

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operatir License No. DPR-73
Docket No. 50-320
EPICOR PF Liner Status

The purpose of this letter is to advise you of the status of the EPICOR PF liner inertir. To this date, a total of five liners have been analyzed. Results of these analyses, combined with theoretical predictions, have shown that in liners that are not airtight (four of five tested were not airtight) the hydrogen generation rate can be adequately determined by the concentration of hydrogen at initial samplir and the leak rate, also determined during initial sampling. The close correlation between the test data and predictions have shown that the two week sampling period discussed in previous CPU letters is not necessary for adequately determining the hydrogen generation rate for non airtight liners. GPU, therefore, proposes to relax the requirement for sampling the previously discussed selected liners from approximately two weeks to a period of time such that the generation rate curve can be fully developed (usually two to four days). All liners will be sampled.

Additionally, liners that are airtight will be sampled for a period of time sufficient to determine the hydrogen generation rate. It will be assumed that these liners do not follow the model previously discussed.

In previous letters GPU committed, as an additional precaution, to inert the shipping casks prior to shipping. The data gathered to date from the sampling has shown that more than sufficient margin exists in the shippin windows.

Shipping windows to date have been conservatively calculated to exceed twenty days. Most liner shipping windows also include up to fifty days of on-site storage.

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If you have any questions or desire further information, please feel free to contact Mr. R. B. Swartzwelder of my staff.

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Director TMI-

BKK/RBS/jep

OC: Dr. B. J. Snyder, Program Director - TMI Program Office

adding undue risk to the health and safety of the public.