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(Epicor II)

MEMORANDUM FOR: Chairman Hendrie  
Commissioner Gilinsky  
Commissioner Kennedy  
Commissioner Bradford  
Commissioner Ahearne

FROM: Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

THRU: Executive Director for Operations

SUBJECT: EPICOR-II



The staff has completed its review and has approved all but three of the operating and emergency procedures associated with the operation of EPICOR-II. The remaining procedures will be completed with imposition of whatever NRC requirements are necessary for approval by October 13, 1979. The staff has also recently reviewed the status of the EPICOR-II facility and the training of its operators and concludes that EPICOR-II can be safely and reliably operated.

With regard to the solidification of the contaminated filter and resins generated by this operation, an engineering design for a facility to be used for this process has not yet been completed. Such a facility would be required to meet applicable Commission regulations regarding the application of the ALARA concept to occupational exposures to minimize worker exposure through the application of Regulatory Guide 8.8. Maximum individual worker exposure would be limited to 1.25 Rem per quarter.

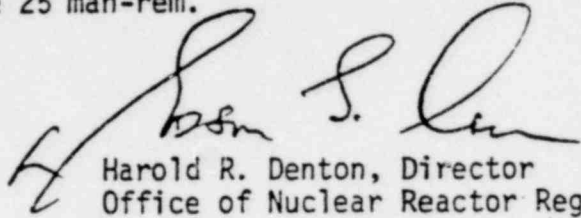
Although no specific facility designs have been developed for the solidification operation at TMI-2, the staff has reviewed three topical reports on systems of this type which show that routine maintenance and operation activities are expected to result in an occupational dose of less than 10 man-rem per year. Solidification of resins from EPICOR-II, which has not been specifically designed to accommodate solidification, will likely involve design features not previously analyzed by the staff. Further, resins from EPICOR-II will be more radioactive than the average from an operating plant. However, the staff judgment is that solidification of

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EPICOR-II resins developed from decontamination of the auxiliary building water would result in occupational exposure levels similar to those of systems previously reviewed if no unusual problems were encountered, but that a best estimate upper-bound for the operation would be 25 man-rem.

 10/12/79  
Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

cc: OPE  
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