



Metropolitan Edison Company
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Writer's Direct Dial Number

December 4, 1980
TLL 632

TMI Program Office
Attn: Mr. John T. Collins, Deputy Director
U. S. Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, Pennsylvania 17057

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-520
Submerged Demineralizer System

Your letter, NRC/TMI-80-145, dated November 7, 1980, forwarded questions concerning the subject system. You also requested that our TER be updated to address the information contained in ORNL/TM/7448. This letter is in response to your request.

Our TER, submitted under cover of our letter TLL 160, dated April 10, 1980, accomplishes the following objectives:

1. Provides the basis for the necessity to decontaminated the containment sump water and RCS water.
2. Provides a summary of the alternative methods for accomplishing the task.
3. Provides a summary system description and the system design criteria.
4. Provides an analysis of radiological considerations to workers and to the general public (population dose).
5. Provides a hypothetical accident analysis.
6. Provides an estimate of anticipated system performance.

Since the submittal of our TER, additional information has been made available through the publication of ORNL/TM-7448, Evaluation of the Submerged Demineralizer System (SDS) Flowsheet for Decontamination of High-Activity-Level Water at the Three Mile Island Unit 2 Nuclear Power Station, by the Oak Ridge National Laboratory. This information appears to be inconsistent with the TER information. We are aware of these apparent inconsistencies and have discussed various approaches available to achieve desired decontamination factors on the containment sump and reactor coolant system waters with members of the NRC staff. In fact, we have committed to them our intent to provide additional information concerning our approach to resolution of these apparent inconsistencies.

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SURRY POWER STATION
FAILURE OF SOLENOID VALVES
MANUFACTURED BY VALCOR ENGINEERING COMPANY
INSPECTION ENFORCEMENT BULLETIN 80-23

It has been determined, by a system review, that Surry Power Station does not have installed, or in stock, any solenoid valves of the type described by Inspection Enforcement Bulletin 80-23. An estimated five manhours were expended to conduct this review.