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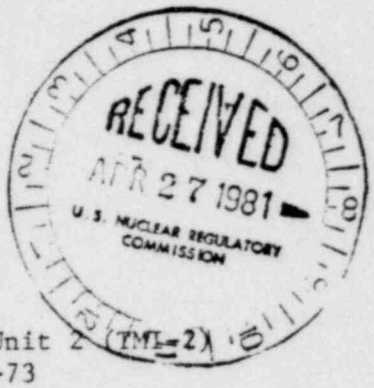
Metropolitan Edison Company
Post Office Box 480
Middletown, Pennsylvania 17057

Writer's Direct Dial Number

April 24, 1981
LL2-81-0105



TMI Program Office
Attn: Mr. Lake Barrett, 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. 50-320
Submerged Demineralizer System

During discussions with your staff, we have been requested to provide an itemized listing of those parameters/equipment necessary for SDS operation. These conditions have been specified to provide additional assurance that SDS processing will be accomplished in a safe manner.

The primary concern addressed here is the potential for gaseous or particulate airborne release through inadvertant release of contaminated water to the fuel handling building atmosphere. The possibility exists that some of the waterborne radionuclides will become airborne. These airborne particulates and gases may be entrained in the plant ventilation system and processed out the plant vent stack. HP-R-219 monitors radionuclide effluent from the plant vent stack and is interlocked to stop the ventilation fans and shut the ventilation dampers upon receipt of a high radiation signal (in excess of the instrument setpoint). SDS processing will be terminated if HP-R-219 is inoperable.

During tank farm fill operations, the following conditions have been determined to be important for the health and safety of the public and workers:

1. HP-R-219 operable.
2. WG-T-2A, 2B, 2C, 2D tank level indicators operable.
3. Offgas system ventilation blower in operation.
4. Filter manifold enclosure vacuum greater than 0.25" WG below ambient pressure.
5. High Rad filter sample glove box vacuum greater than 0.25" WG below ambient pressure.

During SDS operations, the following conditions have been determined to be important for the health and safety of the public and workers:

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1. HP-R-219 operable.
2. Feed pump manifold enclosure vacuum greater than 0.25" WG below ambient pressure.
3. Filter manifold enclosure vacuum greater than 0.25" WG below ambient pressure.
4. Beta manifold enclosure vacuum greater than 0.25" WG below ambient pressure.
5. Ion exchange manifold enclosure vacuum greater than 0.25" WG below ambient pressure.
6. Reactor coolant system manifold vacuum greater than 0.25" WG below ambient pressure when in use.
7. Valve IX-24 operable in automatic.
8. Offgas system ventilation blower in operation.
9. Offgas bottoms pump operable in either automatic or manual mode.

During SDS process sampling operations, the following conditions have been determined to be important for the health and safety of the public and workers:

1. HP-R-219 operable.
2. Sample box in use vacuum greater than 0.25" WG below ambient pressure.

During the course of the SDS operations, should the above specified conditions not be met, we will discontinue the affected operation. That operation will not be resumed without concurrence of the TMI Program Office.

Should you wish to discuss this matter further, please contact Mr. L. J. Lehman, Jr. of my staff.

Sincerely,

/S/ G. K. HOVEY

G. K. Hovey
Vice-President and
Director, TMI-2

GKH:LJL:djb

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