



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

POR

August 5, 1979

MEMORANDUM FOR: Harold R. Denton, Director, NRR  
Richard H. Vollmer, Director, TMI-2 Support

FROM: John T. Collins, Deputy Director, TMI-2 Support

SUBJECT: TMI-2 WEEKLY STATUS REPORT

Plant Status:

Natural circulation operation continues with the following core and plant conditions:

Pressure - 268 psig (solid operation)	Pressurizer Temperature - 380°F
T <sub>hot</sub> - 162°F	Rx Building - 0.5 psig (negative)
T <sub>cold</sub> - 155°F	RC Leak Rate - 0.5 gpm
Max TC - 257°F	Rx Building Water Level - 289.9

We continue to maintain about 13% closed on the turbine bypass valve. Weekly motor megger readings and twice weekly switchbox megger readings for DH-V-1, DH-V-171, DH-V-2 and CF-V-115 remain the same.

There have been no significant releases to the environment in the past week. Iodine-131 levels at the discharge point remained constant at about  $1 \times 10^{-14}$  uCi/cc. All environmental surveys and samples show nothing above background.

On July 27, 1979, the Deputy Director, TMI-2 Support, together with representatives of the Office of State Programs, NMSS and GPU/Met-Ed, attended a meeting with Governor Ray, State of Washington, to discuss the shipment of waste from TMI-2 to Richland, Washington. Following this meeting, NRC and GPU representatives met with local officials in Richland to discuss resumption of shipments to Richland.

GPU/Met-Ed expects to resume shipments of waste about August 7, 1979. The first several shipments will consist of dry compacted wastes in 55-gallon drums (approximately 157) and 4 x 8 LSA boxes with dry wastes. Once the routing has been established, enroute states will be notified by the Office of State Programs.

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The tank farm is now fully operational. On July 28, 1979, approximately 17,000 gallons of water from the TMI-2 auxiliary building was transferred to the lower tanks without incident.

Operator training and pre-operational testing are continuing on EPICOR-II. The shielded transfer bell is now scheduled to be delivered the week of August 6, 1979. The system should be declared operational in the next two weeks. The NRC staff is currently reviewing and auditing all operating procedures and operator training associated with this system.

The "B" compressor for the waste gas processing system was removed and found to contain a damaged impellor which probably contributed significantly to the leakage from this system. Plans are to helium test the entire vent header system during the coming week.

Pre-operational testing of the standby pressure control system is continuing. The problem with the N<sub>2</sub> regulators has been resolved.

The decay heat system is scheduled to be filled, vented and hydro tested during the coming week.

During the past week, a resin liner from EPICOR-I system was transferred to the interim storage area. The liner reading 900 mr/hr on contact was lowered into the culvert and covered with a 3-foot shield block. Radiation measurements taken outside the shield block showed a reading of 7 mr/hr which is in excess of the design basis value of less than 5 mr/hr. Assuming a linear relationship, a 1000 r/hr cask from EPICOR-II would give a field of 7.8 r/hr which is unacceptable. It appears that we are getting streaming between the bottom of the shield block and surface of the earthen embankment. GPU is reevaluating the long-term storage facility to make sure a similar problem does not exist.

On Thursday, August 2, 1979, the Deputy Director, TMI-2 Support together with representatives of NMSS met with Chairman Hendrie and Commissioner Ahearne to discuss the need for solidification of waste from nuclear power plants and other licensed facilities. In addition we also discussed the need for solidification of resins from TMI-2. No formal action was taken on either of these subjects. Commissioner Ahearne requested that NRR and NMSS work more closely together to arrive at a mutually acceptable position. I informed Chairman Hendrie that we were forwarding to him an information paper outlining GPU's plans and programs for shipping waste to Richland. I also informed the Commissioners that on August 1, 1979, I had received the value impact assessment from CPU and that we would forward to them a copy of NRR's evaluation of this report in the very near future.

On Thursday, July 26, 1979, Met-Ed initiated a routine release of treated waste water from Unit 1 WECT tank. The release was typical of other releases and was made in compliance with the plant Tech Specs. The discharge was halted after 4,000 gallons were released at the request of the NRC pending an analysis for beta emitters. Subsequent analyses identified strontium present in concentrations that resulted in the discharge of strontium being 8.7% of the maximum allowable

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concentration. Operating procedures have been revised to require that a gross beta analysis be performed on all liquid discharges prior to release.

This past week, Met-Ed successfully completed a mock-up test of the containment sump sampling device. Additional tests will be conducted on the actual penetration line prior to making the initial cut. If everything goes alright, we should be able to sample the containment sump water later this week or the beginning of next week.

*John T. Collins*

John T. Collins, Deputy Director  
TMI-2 Support

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