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September 7, 1982
5211-82-209

Office of Nuclear Reactor Regulations
Attn: John F. Stolz
Operating Reactors Branch No. 4
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

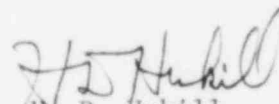
Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Revision of Commitments for NUREG 0737 Items
II.B.3, II.F.1.4, II.F.1.5, and II.F.1.6

Your letter dated August 20, 1982, requested that we submit revised commitments and justification for presently incomplete NUREG 0737 items which we will be unable to complete prior to our estimated restart date. This letter is in partial response to your request.

Our revised commitment for the subject NUREG 0737 items is by restart (reactor critical) or no later than March 31, 1983, which ever is later. The current status and schedule for the subject items is discussed in the attached table. As you will note we have retained some contingency in our commitment in order to account for unanticipated problems which may delay completion. These include items such as post installation equipment failures identified during testing which cannot be corrected by restart.

Sincerely,


H. D. Hukill
Director, TMI-1

HDH:PRC:CWS:jrg
Enclosures

cc: R. C. Haynes
R. Jacobs

A046

NUREG 0737 ITEM STATUS

ITEM	STATUS*	COMMENTS
II.B.3 - Post Accident	<p>The RCS sampling modifications are complete except for the equipment necessary to sample for dissolved gases. The dissolved gas sampling modification is 75% complete. Remaining major work consists of fabrication of the sample cylinder, support installation, and tubing and shielding installation. Estimated completion for the remaining work is 12/1/82.</p> <p>Containment atmospheric sampling is 98% complete. The major remaining work consists of heat trace and minor tubing termination. Estimated completion for remaining work is 12/1/82.</p>	<p>Dissolved gas information is not directly used by the operator and can be inferred from other plant parameters as was done during the TMI-2 accident. The extent of core damage and boron concentration are the important parameters and the modifications necessary to determine them are complete.</p> <p>Although no procedures currently exist a sample of the containment atmosphere could be obtained via the existing containment monitoring system (RM-A2 Drawing C-302-721). Based on similar experience at TMI-2 during the accident we believe that radiation levels would be acceptable if this method were used. Procedures necessary to accomplish this are not planned since they could be prepared on short notice; post accident, by personnel in the technical support center or at the near site or Parsippany Emergency Operations Facility if necessary.</p>
II.F.1.4 - High Range Containment Pressure Monitor	<p>This modification is 98% complete. The major remaining work consists of tubing and electrical terminations.</p> <p>Estimated completion for the remaining work is 10/1/82.</p>	<p>A control grade pressure monitor (0-100 psig) exists and can be used to monitor containment pressure for all accidents within the design basis. All design basis accidents result in containment pressures less than 55 psig.</p>
II.F.1.5 - Containment Water Level Monitor	<p>This modification is 98% complete. The major remaining work consists of electrical terminations and vendor repair of a defective receiver that was discovered during testing.</p> <p>Estimated completion for the remaining work is 10/1/82.</p>	<p>A control grade containment water level instrument has been installed. This monitor can measure containment flood level up to 10 ft. The maximum post accident containment flood level is 5.66 ft. (5.68 ft. after 30 days)</p>

*Does not include post construction testing.

NUREG 0737 ITEM STATUS CON'T

ITEM	STATUS*	COMMENT
II.F.1.6 - Containment Hydrogen Monitor	This modification is 98% complete. The major remaining work consists of butt splices, circuit breaker and switch installation. (Circuit breakers have not yet been recieved).	The capability exists to obtain a containment atmospheric sample as discussed above under item II.B.3. This sample could be used to determine containment hydrogen concentration.
	Estimated completion for the remaining work is 12/1/82.	

*Does not include post construction testing.