

NOV 28 1978

MEMORANDUM FOR: R. W. Reid, Chief, Operating Reactors Branch #4  
Division of Operating Reactors

FROM: Y. S. Noonan, Chief, Engineering Branch  
Division of Operating Reactors

SUBJECT: THREE MILE ISLAND UNIT NO. 1 - REACTOR COOLANT  
BUILDING - RING GIRDER SURVEILLANCE TESTS AND  
INSPECTION - TECHNICAL SPECIFICATION CHANGE  
REQUEST #77 (TACS #10793)

Plant Name: Three Mile Island Unit No. 1

Licensing Stage: Operating Plant

Docket No: 50-289

Documents Reviewed: a. Metropolitan Edison Co. - Letter to Director  
of NRR (Attn: R. W. Reid) dated August 30,  
1978 requesting Tech. Spec. change #77

b. Three Mile Island Nuclear Station Unit 1 -  
Reactor Containment Building Ring Girder  
Surveillance Test Three Years After S.I.T.,  
June 17, 1977

c. Additional information provided by Licensee  
in letter to R. W. Reid, dated August 26, 1977

Branch and Project Manager Requesting Assistance: ORB-4, G. Zwetzig,  
R. Reid

Requested Completion Date: 12/1/78

Operating Reactors Branches Involved: Engineering Branch

Description of Request: TACS #10793

Review Status: Complete

The Engineering Branch, Division of Operating Reactors has reviewed the structural and material aspects of the information submitted by the Metropolitan Edison Company in the documents listed above detailing the reactor building ring girder surveillance program. This is in accordance with TMI-1 Technical Specification 4.4.2.2 (original formulation). The licensee requests that 4.4.2.2 be changed as indicated in document (a) listed above, introducing the final periodic inspection reporting schedules.

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Contact: A. Gluckmann  
49-28060

B/YB

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R. W. Reid

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Discussion

In our previous evaluation (letter to licensee dated December 29, 1977) we concurred with the licensee's suggestions but added in substance the following recommendations:

1. We insist again that the repairs should be performed as planned and not later than the end of the refueling outage of 1978.
2. Section 4.4.2.2A of the Technical Specifications for Three Mile Island Unit No. 1 (TMI-1) requires four inspections of the containment ring girder at various times after the Structural Integrity Test. It also states that the requirement for further inspection will be determined following review of the report of the fourth inspection.

The licensee indicates that, since the six month, one year, two years, and three years surveillance inspections have not uncovered any significant structural problem, Metropolitan Edison Company, in accordance with Technical Specification 4.4.2.2A does not plan to conduct further ring girder surveillance tests.

On the basis of our previous evaluations and the new information provided by the licensee in the report cited above, we concur with the licensee's decision. This recommendation is contingent upon the performance of planned repairs in accordance with our recommendation (1) above.

3. We also recommend that during further service surveillance procedures performed in accordance with the recommendations of the Regulatory Guide 1.35 a visual inspection of the ring girder be performed by the licensee and its results reported to the NRC as provided in R.G. 1.35.

Our review of the submissions by the licensee (including submission (1)) listed above found that it conforms with our suggestions and recommendations.

Conclusions

We therefore concur with the licensee's request for the Tech. Spec. Change 77.

Original signed by  
Vincent S. Noonan, Chief  
Engineering Branch  
Division of Operating Reactors

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DATE	11/20/78	11/20/78	11/ /78		

R. W. Reid

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cc: V. Stello, Jr.  
R. Mattson  
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D. Eisenhut  
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