

November 29, 1976

Docket No.: 50-289

Metropolitan Edison Company  
ATTN: Mr. R. C. Arnold  
Vice President - Generation  
Reading, Pennsylvania 19603

Gentlemen:

The Commission has requested the Office of the Federal Register to publish the enclosed "Notice of Proposed Issuance of Amendment to Facility Operating License" for Three Mile Island Nuclear Station, Unit 1. The proposed amendment would revise the Technical Specifications to authorize a site integrated reactor vessel surveillance program in accordance with your application for amendment dated October 29, 1976.

Sincerely,

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

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D. Eisenhut  
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ACRS (16)

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DETERMINATION OF PROPOSED LICENSING AMENDMENT

Licensee: Metropolitan Edison Company

Request for: TMI-1 application for Site Integrated Reactor Vessel  
Surveillance Program

Request Date: October 29, 1976

Proposed Noticing Action:  Pre-notice Recommended  
 Post-notice Recommended  
 Determination delayed pending completion of Safety Evaluation

Basis for Decision: See attached.

Proposed NEPA Action:  EIS Required  
 Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required  
 No EIS, ND or EIA Required  
 Determination delayed pending completion of EIA

Basis for Decision: Approval of application would not authorize a change in the type or increase in the amount of effluents nor authorize an increase in the power level. Approval would merely change on-site location where specimens were irradiated.

Noticing Concurrences:

1. G. Zwetzig
2. R. Reid 11/17/76
3. K. R. Götter 11/19/76
4. OELD St. Feggs 11/23/76

MET ED

**Basis for Decision:**

Approval of application would authorize all future irradiation of reactor vessel surveillance specimens representative of the TMI-1 vessel in TMI-2. According to the application, the exposure of the TMI-1 specimens would not exceed the exposure of the TMI-1 vessel until the period of 1982 to 1984. Thus, any tests performed on these specimens prior to this period would not conservatively represent the properties of the TMI-1 vessel. Further, based on data received from B&W, the critical welds in the TMI-1 vessel will reach the 50 ft-lb upper shelf energy limit in 1982. Thus, according to the plan proposed in the application there would be no monitoring of this material prior to reaching this limit. Based on the above, it is concluded the proposed change would involve a significant hazards consideration, by potentially decreasing a safety margin.