

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-289/81-16

Docket No. 50-289

License No. DPR-50 Priority -- Category C

Licensee: Metropolitan Edison Company

P.O. Box 480

Middletown, Pennsylvania 17057

Facility Name: Three Mile Island Nuclear Station, Unit 1

Meeting at: Middletown, Pennsylvania

Meeting conducted: June 11, 1981

Inspectors: D. R. Haverkam  
D. R. Haverkam, Senior Resident Inspector (TMI-1)

6/12/81  
date signed

F. I. Young  
F. I. Young, Resident Inspector (TMI-1)

6/12/81  
date signed

Approved by: A. N. Fasano  
A. N. Fasano, Chief, Three Mile Island Resident  
Section, Projects Branch #2

6/12/81  
date signed

Meeting Summary:

Meeting on June 11, 1981 (Report No. 50-289/81-16)

Scope: Special, announced management meeting to discuss the results of the NRC board convened to evaluate the licensee's performance from April 1, 1980, to March 31, 1981, as part of the NRC's Systematic Assessment of Licensee Performance (SALP) program. Areas addressed included: Plant Operations; Surveillance/IST; Licensed Operator Training; QA/QC; Reporting; Committee Activities; Procurement; Fire Protection; ISI; Design Changes and Modifications; Radiation Protection; Independent Measurements and Environmental Protection; Emergency Preparedness; Radioactive Waste Management; Transportation; Security and Safeguards; Preoperational Testing; and Overall Facility Management.

Results: A summary of the licensee performance evaluation was presented. Areas of concern were discussed with corporate and site management. No new enforcement actions were identified.

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## DETAILS

### 1. Licensee Attendees

B. Ballard, Manager TMI Quality Assurance Modifications/Operations  
P. Clark, Deputy Chief Operating Executive, GPU Nuclear Group  
J. Colitz, Plant Engineering Director TMI-1  
J. Fornicola, TMI Operations Quality Assurance Manager  
H. Hukill, Vice President and Director TMI-1  
D. Shovlin, Manager Plant Maintenance TMI-1  
C. Smyth, Supervisor TMI-1 Licensing  
R. Toole, Operations and Maintenance Director TMI-1  
E. Wallace, Manager PWR Licensing

### 2. NRC Attendees

R. Conte, Senior Resident Inspector (TMI-2)  
A. Fasano, Chief, Three Mile Island Resident Section  
B. Grier, Director, Region I  
D. Haverkamp, Senior Resident Inspector (TMI-1)  
F. Keimig, Chief, Projects Branch #2  
F. Young, Resident Inspector (TMI-1)

### 3. Discussion

A brief summary of the Systematic Assessment of Licensee Performance (SALP) program was presented by the NRC.

The NRC Region I evaluation board meeting was discussed, including the appraisal period, performance data and the results of the board's evaluation. (See Appendix 1 and Attachments 1 and 2).

The licensee's overall performance was considered average.

APPENDIX 1

SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE

THREE MILE ISLAND I

REGION I EVALUATION BOARD MEETING

Facility: Three Mile Island Nuclear Station, Unit 1

Licensee: Metropolitan Edison Company

Unit Identification:

<u>Docket No.</u>	<u>License No./Date of Issue</u>	<u>Unit No.</u>
50-289	DPR-50/April 19, 1974	1

Reactor Information:

NSS: B&W

MWT: 2535

Assessment Period: April 1, 1980 through March 31, 1981

Evaluation Board Meeting Date: May 4, 1981

Review Board Members:

- B. H. Grier, Director, Region I
- J. M. Allan, Deputy Director, Region I
- E. J. Brunner, Acting Director, DRPI, RI
- T. T. Martin, Acting Director, DETI, RI
- G. H. Smith, Director, DEPOS, RI
- R. R. Keimig, Chief, Projects Branch No. 2, DRPI, RI
- D. C. DiIanni, Licensing Project Manager, Operating Reactors Branch No. 4, NRR

Other NRC Attendees:

- A. N. Fasano, Chief, Three Mile Island Resident Section, PB#2, DRPI, RI
- D. R. Haverkamp, Senior Resident Inspector, (TMI-1) TMI Resident Section, PB#2, DRPI, RI

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# ATTACHMENT 1

## THREE MILE ISLAND 1

### LICENSEE PERFORMANCE DATA

Assessment Period: April 1, 1980 to March 31, 1981

#### A. Number and Nature of Noncompliance Items

##### 1. Noncompliance Category

Infractions	14
Severity Level IV	1
Deficiencies	3

- Notes: (1) One noncompliance was identified during the assessment period since the revised enforcement policy became effective.
- (2) Five infractions were identified during the Health Physics Evaluation
- (3) Six infractions and three deficiencies were identified during the Management Appraisal (PAB) inspection.

##### 2. Areas of Noncompliance

	<u>Restart Inspection Program INF/IV</u>	<u>Management Appraisal (PAB) INF/DEF</u>	<u>Health Physics Evaluation INF</u>
Plant Operations		1	
Committee Activities		2 1	
Fire Protection		1	
Design Changes and Modifications		1	
Radiation Protection	2 1		4
Radioactive Waste Management			1
Security and Safeguards	1	3	

THREE MILE ISLAND I  
LICENSEE PERFORMANCE DATA

Assessment Period: April 1, 1980 - March 31, 1981

B. Number and Nature of Licensee Event Reports

1. Type of Events

A - Personnel Error	3
B - Design/Manufacturing, Construction/Installation	0
C - External Causes	0
D - Defective Procedures	1
E - Component Failure	4
X - Other	8 + 1*

\*Informational - not required by Technical Specifications

2. Causally Linked Events

None identified (very small sample size)

3. Licensee Event Reports Reviewed (Report Nos.)

LER's 80-006 through 80-019, and 81-001 through 81-004

C. Escalated Enforcement Actions

Civil Penalties

None

Orders

Order for Modification of License, dated August 29, 1980, to submit information to support the environmental qualification of safety-related electrical equipment at TMI-1 by not later than November 1, 1980.

Order for Modifications of License, dated October 24, 1980, concerning environmental qualification of safety-related electrical equipment.

Immediate Action Letters

None

THREE MILE ISLAND I  
LICENSEE PERFORMANCE DATA

Assessment Period: April 1, 1980 - March 31, 1981

D. Management Conferences Held During Past Twelve Months

Management Meeting 50-289/80-18 on July 1, 1980 to discuss the Office of Inspection and Enforcement licensee management reviews/ appraisals which were scheduled for accomplishment during July -August 1980 to augment the routine NRC inspection program.

Management Meeting 50-289/80-32 on December 17, 1980 to discuss the licensee's proposed corrective action for the items identified in the Health Physics Evaluation of TMI-I (Report 50-289/80-22) as needing improvement prior to restart. The licensee provided various proposed corrective actions already taken or planned to be taken for those items identified as significant weaknesses requiring improvement prior to TMI-I restart.

E. Licensee Activities

Throughout the assessment period the plant remained in cold shutdown, per NRC Commission Orders of July 2, 1979 and August 9, 1979, pending completion of modifications and other actions related to the TMI-2 accident. Partial drain downs of the Reactor Coolant System were conducted during May 30 - July 4, 1980 and subsequently during October 25 - November 11, 1980 for plant modifications and OTSG eddy current testing. A preliminary plant heat-up to approximately 190°F was conducted on January 17-18 and January 26-30, 1981.

F. Inspection Activities

During the assessment period, 24 inspections were completed under the special TMI-I restart inspection program as implemented by memoranda dated January 28, 1980 and September 18, 1980 from the Director, Region I. These included 5 inspections by the TMI resident section involving 481 inspector-hours onsite and 19 inspections by the regional office staff involving 1,126 inspector-hours onsite. In July and August, 1980, the following special inspections were also conducted.

(1) management appraisal by the NRC IE Program Appraisal Branch (PAB) staff involving 516 inspector-hours

(2) Health Physics evaluation by the NRC Region I and Headquarters staffs involving approximately 600 inspector-hours

(3) "near term operating license (NTOL)" review by the NRC Regional and Headquarters staffs involving 119 inspector-hours.



THREE MILE ISLAND 1

LICENSEE PERFORMANCE DATA

G. Investigation Activities

Investigation 50-289/80-07 on March 21 and July 31, 1980 of an allegation concerning possible mis-marking of ASTM: A312 Grade 304 welded stainless steel pipe involving 13 investigative hours. The allegation was not substantiated.

Investigation 50-289/80-23 on July 1 - August 18, 1980 of concerns identified in sworn depositions obtained by the Three Mile Island Alert (TMIA) Intervenor Group in preparation for the TMI-1 restart hearings, involving 88 investigation hours. The concerns were not substantiated.

ATTACHMENT 2  
THREE MILE ISLAND 1  
LICENSEE PERFORMANCE

A. <u>Functional Areas</u>	<u>Above Average</u>	<u>Average</u>	<u>Below Average</u>
1. Plant Operations		X	
2. Refueling Operations		Not applicable *	
3. Maintenance		X	
4. Surveillance/IST		X	
5. Licensed Operator Training		X	
6. QA/QC		X	
7. Reporting		X	
8. Committee Activities		X	
9. Procurement		X	
10. Fire Protection		X	
11. ISI		X	
12. Design Changes and Modifications		X	
13. Radiation Protection		X	
14. Independent Measurements & Environmental Protection		Not observed **	
15. Emergency Preparedness		Not assessed***	
16. Radioactive Waste Management		X	
17. Transportation		X	
18. Security and Safeguards		X	
19. Preoperational Testing		X	
B. <u>Overall Facility Management</u>		X	

\*No refueling operations were performed during this assessment period.

\*\*No inspections were performed during this assessment period.

\*\*\*A draft of the Licensee's Emergency Plan (as per NUREG-0654) was reviewed in July 1980 although compliance with NUREG-0654 was not incumbent on the licensee until April 1981. An emergency preparedness drill (NUREG-0654) will be conducted in June 1981 and a complete inspection of this area will be conducted in July 1981.

*Bryce H. Grier*  
Regional Director

*May 4, 1981*  
Date

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