NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER 50-289

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FILE NUMBER INCIDENT REPORT

TO: F NRC

FROM: METROPOLITAN EDISON CO
READING, PENN
R C ARNOLD

DATE OF DOCUMENT 2-21-76

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DESCRIPTION

LTR, LICENSE EVENT REPORT 50-289/76-07/1T ON 2-11-76 RE INOPERATIVE HYDRAULIC SHOCK SUPPRESSOR WAS DUE TO THE "A" HEAT PUMP SUCTION LINE WAS FOUND WITH AN EMPTY FLUID RESEVOIR.....

ENCLOSURE

DO NOT REMOVE
ACKNOWLEDGED

PLANT NAME: THREE MILE ISLAND #1

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

SAFETY

ENVIRO 2-27-76 rkb

BRANCH CHIEF:	REID
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1768

NRC FORM 195 (2-76)

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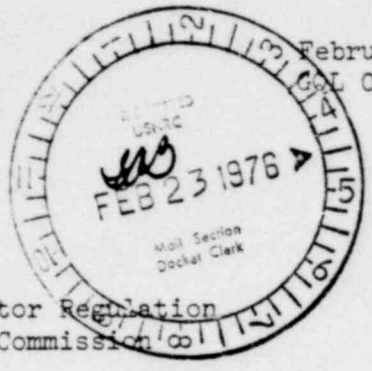
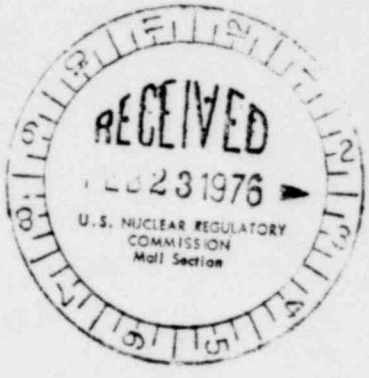
METROPOLITAN EDISON COMPANY
SUBSIDIARY OF GENERAL PUBLIC UTILITIES CORPORATION

POST OFFICE BOX 542 READING, PENNSYLVANIA 19603 TELEPHONE 215 – 929-3601

Regulatory File Cy.





February 21, 1976
GQL 0263

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Docket No. 50-289
Operating License No. DPR-50

In accordance with the Technical Specifications of our Three Mile Island Nuclear Station Unit 1 (TMI-1), we are reporting the following reportable occurrence.

(1) Report Number: ER 76-07/1T

(2a) Report Date: February 21, 1976

(2b) Event Date: February 11, 1976

(3) Facility: Three Mile Island Nuclear Station Unit 1

(4) Identification of Event:

Title: Inoperative Hydraulic Shock Suppressor

Type: An abnormal occurrence as defined by the Technical Specifications, paragraph 1.8d, in that the inoperative hydraulic shock suppressor threatened to cause an Engineered Safeguards feature or system to be incapable of performing its intended function.

(5) Conditions Prior to Event:

Power: Core: 100%
Elec.: 870 MWe (Gross)

RC Flow: 140 x 10^6 lbs/hr

1490 063

1768

RC Pressure: 2155 psig

RC Temp.: 579°F

Przr Level: 240 inches

Przr Temp.: 650°F

(6) Description of Event:

On February 11, 1976, during a routine surveillance of snubbers in the Auxiliary Building, one (1) snubber located at position DHH-198 on the "A" Decay Heat Pump Suction line was found with an empty fluid resevoir. Immediately, the unit was removed and replaced with a rebuilt, tested unit.

The failed unit was tested and failed to lock as specified. It was then rebuilt, tested, and returned to service at location DHH-198.

(7) Designation of Apparent Cause of Event:

The apparent cause of this event has been determined to be material in that, although the seals removed from the inoperable snubber did not reveal any damage to the sealing surface, this unit has been found with low, but acceptable, fluid levels on other occasions before and after its initial rebuilding in June 1975 at which time ethylene propylene seals were installed.

(8) Analysis of Event:

It has been determined that this event did not constitute a threat to the health and safety of the public in that the conservatism of the piping design is such that one snubber may be inoperable with a negligible loss of seismic protection since other restraints and snubbers installed on the line would provide the support necessary to prevent failure of the pipe.

(9) Corrective Action:

In addition to the immediate corrective action described above, the DHH-198 snubber will continue to be checked in accordance with the present Snubber Surveillance Program and in addition, will be checked periodically by the Mechanical Engineering section to monitor any further leakage.

The Plant Operations Review Committee and Station Superintendent have reviewed and approved the above corrective action and have taken steps to ensure its implementation.

(10) Failure Data:

Snubber Mfg.: Basic Engineers

1490 064

Cylinder Type: Tompkins-Johnson

Size: One (1) inch

Stroke: five (5) inches

(11) Similar Events:

AO 50-289/74-14, AO 50-289/74-20
AO 50-289/74-23, AO 50-289/74-25
AO 50-289/74-30, AO 50-289/75-03
AO 50-289/74-08, AO 50-289/75-09
AO 50-289/75-34

Sincerely,

R. C. Arnold
Vice President

RCA:JMC:cas