

A 6/12/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
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50-220

REC: GRIER B H
NRC

ORG: SCHNEIDER R R
NIAGARA MOHAWK PWR

DOCDATE: 05/26/78
DATE RCVD: 06/07/78

DOCTYPE: LETTER NOTARIZED: NO

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SUBJECT:

LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-220/78-009) ON 02/21/78 CONCERNING TIP
SHEAR VALVES REPLACED WITH NEW CHARGES, SHOWED OHMMETER CONTINUITY TEST FOR
ACCEPTABLE ELEC CONTACT WAS UNSATISFACTORY... W/ATT.

PLANT NAME: NINE MILE PT. - UNIT 1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

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(DISTRIBUTION CODE A002)

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REGULATORY GUIDE 10.1

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 1P+1P+2P

CONTROL NBR: 781600324

THE END

AQ/4

717 NMP-0161

ORIGINAL DOCUMENT FILE COPY

NMP-0161

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

May 26, 1978

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220

Dear Mr. Grier:

In accordance with Nine Mile Point Nuclear Station Unit #1
Technical Specifications, we hereby submit Licensee Event Report
LER 78-09 (Revision 1), which was previously submitted on
March 1, 1978.

This report was completed in the format designated in
NUREG-0161, dated July 1977.

Very truly yours,

ORIGINAL SIGNED BY R.R. SCHNEIDER

R.R. Schneider
Vice President -
Electric Production

mtm

Enclosure (3 copies)

xc: Director, Office of I&E (30 copies)
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781600324

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LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

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| 7 | 8 |

REPORT SOURCE

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|---------------|---|---|---|---|----|----|------------|---|---|---|---|----|----|-------------|---|---|---|---|----|---|---|---|
| L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 2 | 0 | 7 | 0 | 2 | 2 | 1 | 7 | 8 | 8 | 0 | 5 | 2 | 6 | 7 | 8 | 9 |
| 60 | 61 | DOCKET NUMBER | | | | | 63 | 69 | EVENT DATE | | | | | 74 | 75 | REPORT DATE | | | | | 80 | | | |

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 9 X X B A V A L V E X X X

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

(17) LER/RO REPORT NUMBER [EVENT YEAR] [7] [8] [21] [22] [23] [24] [0] [9] [26] [27] [28] [0] [1] [29] [30] [T] [31] [32] [1] [32] REVISION NO.

ACTION TAKEN [F] [18] [33] [34] [35] [36] [Z] [20] [37] [0] [0] [0] [22] [40] [41] [Y] [23] [42] [N] [24] [43] [N] [25] [44] [6] [0] [8] [0] [26] [47]

FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

8 9
FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)
1 5 E (28) 0 9 9 (29) NA B (31) Maintenance Procedure

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z 33 Z 34 NA NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

| PERSONNEL EXPOSURES | | | | | | | | | |
|---------------------|---|--|------|-------------|---------|--|--|--|--|
| NUMBER | | | TYPE | DESCRIPTION | | | | | |
| 1 | 7 | | 000 | (37) Z | (38) NA | | | | |

| PERSONNEL INJURIES | | DESCRIPTION | |
|--------------------|---|-------------|----|
| NUMBER | | | |
| 1 | 8 | 000 | NA |

LOSS OF OR DAMAGE TO FACILITY (43)
TYPE DESCRIPTION
1 9 Z (42) NA

PUBLICITY
 ISSUED DESCRIPTION (45)
 2 0 N NA
 7 9 0 10 60 60 80

NRC USE ONLY

NRC USE ONLY

315-343-2110 X1558
PHONE:

May 26, 1978

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220
LER 78-09/01T-1
Nine Mile Point Nuclear Station Unit #1

Dear Mr. Grier:

During routine station operation with the TIP detectors withdrawn, explosive charges in the TIP System shear valves were replaced with new charges. The explosive operated TIP shear isolation valves are a back-up system to be used for isolation of the TIP tubes in the event it is not possible to withdraw the detector so the normal automatic isolation system may function.

Following replacement, performance of Maintenance Procedure N1-IMP-TIP-3 found that the ohmmeter continuity test for acceptable electric contact was unsatisfactory. The normal TIP tube isolation system was operable at the time.

It was found that the actual electrical connections to the explosive charges were not as described in the Maintenance Procedure. General Electric NED Product Service was informed of the problem and given the numbers of the drawings used to wire the system. A revision to the drawings, which had originally been issued in February 1968, was located. The configuration shown in this revision would cause the charges to fire.

The wiring for firing the charges in the TIP System was changed to match that shown in the revised drawings. All of the old charges were test fired using the revised wiring scheme. They all fired successfully.

Additionally, the Pre-Operational Test of our Liquid Poison System was reviewed to assure that the explosive shear valves in that system had been operationally tested prior to startup.

In addition to the wiring problems uncovered, it was found that the 2 AMP fuses required in the squib circuits were instant blow devices instead of the slow blow type specified by the vendor. All of the fuses in the monitor/control units were replaced with new devices.

The TIP System inside containment is designed for 124 psig with the ball valve closed. During a loss of coolant accident, containment pressure has been calculated to reach 35 psig. For a potential safety problem to exist during a LOCA, the TIP probe would have to fail in the inserted position, the TIP instrument sheath would have to break and the TIP shear valve would have to fail to fire, thus preventing TIP tube isolation. A safety evaluation of this condition has determined that the potential for a safety hazard does not exist.

Sincerely yours,

ORIGINAL SIGNED BY R.R. SCHNEIDER

R.R. Schneider
Vice President -
Electric Production

DKM/mtm