

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: 01 N Y R E G I 14
LICENSE NUMBER: 00-000000-00 25
LICENSE TYPE: 41111 30
EVENT TYPE: 01 32

CATEGORY: 01 CONT 57
REPORT TYPE: Q 59
REPORT SOURCE: L 60
DOCKET NUMBER: 050-0244 68
EVENT DATE: 100876 74
REPORT DATE: 060871 75

EVENT DESCRIPTION

02 During normal operations an auxiliary operator found an accumulation of borated water
03 near a valve in the Safety Injection System piping between the Boric Acid Tanks and
04 Safety Injection Pumps. Further investigation revealed a leak in a section of 8"
05 Schedule 10 stainless steel pipe between valves 826A and 826B. The unit was taken
06 to cold shutdown as recommended by PORC. Leaks were (cont'd. on attached sheet)

SYSTEM CODE: SF 9
CAUSE CODE: F 11
COMPONENT CODE: PIPEXX 17
PRIME COMPONENT SUPPLIER: N 43
COMPONENT MANUFACTURER: K055 47
VIOLATION: N 48

CAUSE DESCRIPTION

08 As a result of metallurgical analysis and metallographic examinations, chloride stress
09 corrosion cracking is believed to be the cause of the leaks. As the investigation con-
10 tinued, further information was submitted in a supplemental (cont'd. on attached sheet)

FACILITY STATUS: E 9
% POWER: 100 12
OTHER STATUS: NA 13
METHOD OF DISCOVERY: b 45
DISCOVERY DESCRIPTION: By operator 46
FORM OF ACTIVITY RELEASED: 2 9
CONTENT OF RELEASE: 2 10
AMOUNT OF ACTIVITY: NA 44
LOCATION OF RELEASE: NA 45

PERSONNEL EXPOSURES

13 NUMBER: 000 11
TYPE: 2 12
DESCRIPTION: NA 13

PERSONNEL INJURIES

14 NUMBER: 000 11
DESCRIPTION: NA 12

OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

16 TYPE: L 10
DESCRIPTION: See Event Description

PUBLICITY

17 Press release on October 8, 1976

ADDITIONAL FACTORS

18 NA

8304070133 770608
PDR ADOCK 05000244
S PDR

19

Event Description (cont'd.)

found in two sections of pipe, and liquid penetrant and ultrasonic examination of 75 welds and the piping associated with those welds in the boric acid tank outlet piping revealed five other sections of pipe or fittings with indications. All seven of these components of the piping system containing leaks or indications were replaced. (Reportable Occurrence 76-24).

Cause Description (cont'd.)

report, dated February 10, 1977, which supported this conclusion, and provided the corrective action performed and being considered. The supplemental report also described our December 21, 1976 response to IE Circular 76-06 which stated that during the 1977 refueling and maintenance outage additional testing and examination would be performed on piping and selected welds in the containment spray and safety injection systems.

During the 1977 refueling and maintenance outage the boric acid storage tank outlet piping was modified to eliminate all inaccessible portions. The examinations and testing consisted of the following:

1. Nine welds in the Boric Acid Piping were ultrasonically examined. As this included the remaining two welds which were previously inaccessible, all the welds of the heat traced boric acid supply piping to the safety injection pumps have been ultrasonically examined.
2. Five welds in the Containment Spray Pump Discharge piping inside containment were ultrasonically examined.
3. The Boric Acid Piping to the Safety Injection Pumps and the containment spray pump suction piping was hydrostatically tested to 280 psig (minimum).
4. The containment spray pumps discharge piping was hydrostatically tested to 380 psig (minimum).
5. The Safety Injection Pumps Discharge Piping was hydrostatically tested to 1880 psig (minimum).
6. The Spray Additive Tank was pressure tested, using a nitrogen medium, to 375 psig (minimum).

All welds and piping inspected and tested as listed above were found to be acceptable. The welds and piping in the Safety Injection and Containment Spray Systems will continue to be examined in accordance with the requirements of the Ginna Station Inservice Inspection Program to assure the continued integrity of these systems.

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FOR
STATE

ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.
VICE PRESIDENT

TELEPHONE
AREA CODE 716 546-2700

June 8, 1977



Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Subject: Supplemental report on Reportable Occurrence 76-24, leaks in
schedule 10 boric acid piping
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. O'Reilly:

In a supplemental report dated February 10, 1977 on the subject Reportable Occurrence it was stated that during the 1977 refueling and maintenance outage additional testing and examinations would be performed on piping and selected welds in the safety injection and containment spray systems. The attached update report LER 76-24/10 provides the results of this investigation.

Two additional copies of this letter and the attachment are enclosed to conform to the original submittal of LER 76-24/1T.

Very truly yours,

L. D. White, Jr.

L. D. White, Jr.

cc: Dr. Ernst Volgenau (40)
Mr. William G. McDonald (3)

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