

LICENSEE EVENT REPORT

CONTROL BLOCK:

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1 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER								LICENSE TYPE					EVENT TYPE							
01	N	Y	R	E	G	1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	1		
7	8	9				14	15										25	26						30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE					REPORT DATE											
01	CON'T	M	I	T	L	0	5	0	-	0	2	4	4	0	3	2	4	7	5	0	4	0	7	7	5	
7	8	57	58	59	60	61								68	69					74	75					80

[illegible]

02 During eddy current inspection of Steam Generator (SG) tubes results showed 10 "A" SG
7 8 9 80
03 hot leg tubes and 12 "B" SG hot leg tubes with wall thinning of 50% or greater. Tube
7 8 9 80
04 thinning in the "A" SG was previously reported, AOR 74-02, on 2/19/74 with a follow-
7 8 9 80
05 up report on 3/21/74. The above tubes are to be plugged. (Abnormal Occurrence
7 8 9 80
06 50-244/75-07)
7 8 9 80

SYSTEM CODE		CAUSE CODE	COMPONENT CODE					PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER				VIOLATION		
07	C I	B	H	T	E	X	C	H	N	W	1	2	0	N	
7	8 9	10	11	12	13	14	15	16	17	43	44	45	46	47	48

CAUSE DESCRIPTION

08	Local corrosion of tube OD surface is believed to have been caused by phosphate	80
09	residue not removed on change to AVT chem. control. SG descriptive data and	80
10	measures to prevent recurrence are on attached page.	80

11	FACILITY STATUS			% POWER			OTHER STATUS			METHOD OF DISCOVERY			DISCOVERY DESCRIPTION		
7 6	G			0 0 0			N/A			C			eddy current test of tubes		
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
12	FORM OF ACTIVITY RELEASED			CONTENT OF RELEASE			AMOUNT OF ACTIVITY						LOCATION OF RELEASE		
7 8	Z			Z			N/A						N/A		
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
13	0	0	0	Z	N/A

PERSONNEL INJURIES

NUMBER				DESCRIPTION
1	4	0	0	N/A

OFFSITE CONSEQUENCES

15	7	8	9	N/A	80
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LOSS OR DAMAGE TO FACILITY

			TYPE	DESCRIPTION
1	6		Z	N/A

PUBLICITY

17	N/A	J	PDR
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ADDITIONAL FACTORS

18 Shell side sludge removal was done 3/74 and 11/74. An AVT S.G. chem. control

19 program was started 11/74 and adherence to this has been good to date.

NAME: L. D. White, Jr. PHONE: 716/546-2700, ext. 2420

Steam Generator Descriptive Data:

The steam generators are Westinghouse series 44, using Inconel series 600 tubes, size 0.875" OD, with .050" walls.

Measures to Prevent Recurrence:

- a. The shell side of the tube sheets will be cleaned using a high pressure water lance against attack which may be due to any remaining phosphates or caustics contained in sludge.
- b. For further information on the tube degradation mechanism, at least two tube ends are to be extracted from the steam generators.
- c. A series of mechanical modifications is being considered to decrease the area of the tube sheet which is susceptible to low flow conditions and sludge buildup.
- d. A high blowdown rate during varying steam generator conditions will be continued to minimize dissolved and suspended solids, consistent with recommended all volatile treatment (AVT) steam generator chemistry control.
- e. In the event that sludge accumulation continues to be observed in future shutdowns, additional lancings may be considered to lower residual phosphate levels in the steam generators.



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

LEON D. WHITE, JR.
VICE PRESIDENT

TELEPHONE
AREA CODE 716 546-2700

April 7, 1975

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: Abnormal Occurrence 75-07, Abnormal degradation of steam
Generator Tubes
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. O'Reilly:

In accordance with Technical Specifications, Article 6.6.2a, the attached report of Abnormal Occurrence 75-07 is hereby submitted. Two additional copies of this letter and the attachment are enclosed.

A more detailed report is being prepared and a copy will be forwarded upon completion.

Very truly yours,

L. D. White, Jr.
L. D. White, Jr.

Attachment

cc: Mr. Donald F. Knuth (40)

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