

**NRC DISTRIBUTION FOR PART 50 DOCK MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 4133  
FILE: INCIDENT REPORT FILE

FROM: Rochester Gas & Elec. Co. Rochester, N.Y. L.D. White		DATE OF DOC 4-7-75	DATE REC'D 4-16-75	LTR XX	TWX	RPT	OTHER
TO: James P. O'Reilly		ORIG 1sSigned	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>244</u>		

DESCRIPTION:  
Letter trans the following.....  
  
PLANT NAME: RE Ginna #1

ENCLOSURES:  
Abnor. Occurr. # 75007, on 3-24-75, concerning degradation of steam Generator Tubes.....  
**DO NOT REMOVE**  
**ACKNOWLEDGED**

**FOR ACTION/INFORMATION**

VCR 4-17-75

- |                         |                            |                             |                        |
|-------------------------|----------------------------|-----------------------------|------------------------|
| BUTLER (L)<br>W/ Copies | SCHWENCER (L)<br>W/ Copies | ZIEMANN (L)<br>W/ Copies    | REGAN (E)<br>W/ Copies |
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**INTERNAL DISTRIBUTION**

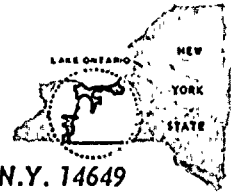
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|---|--|---|--|---|
| <del>REG FILE</del><br>NRC PDR<br>OGC, ROOM P-506A<br>GOSSICK/STAFF<br>CASE<br>GIAMBUSSO<br>BOYD<br>MOORE (L)<br>DEYOUNG (L)<br>SKOVHOLT (L)<br>GOLLER (L) (Ltr)<br>P. COLLINS<br>DENISE<br>REG OPR<br>FILE & REGION (2)<br>MIPC/PE (3)<br>STEELE | <u>TECH REVIEW</u><br>SCHROEDER<br>MACCARY<br>KNIGHT<br>PAWLICKI<br>SHAO<br>**STELLO<br>**HOUSTON<br>**NOVAK<br>ROSS<br>IPPOLITO<br>TEDESCO<br>LONG<br>LAINAS<br>BENAROYA<br>VOLLMER | DENTON<br>**GRIMES<br>GAMMILL<br>KASTNER<br>BALLARD<br>SPANGLER<br><br><u>ENVIRO</u><br>MULLER<br>DICKER<br>KNIGHTON<br>YOUNGBLOOD<br>REGAN<br>PROJECT LDR<br><br>HARLESS | <u>LIC ASST</u><br>R. DIGGS (L)<br>H. GEARIN (L)<br>E. GOULBOURNE (L)<br>P. KREUTZER (E)<br>J. LEE (L)<br>M. MAIGRET (L)<br>S. REED (E)<br>M. SERVICE (L)<br>S. SHEPPARD (L)<br>M. SLATER (E)<br>H. SMITH (L)<br>S. TEETS (L)<br>G. WILLIAMS (E)<br>V. WILSON (L)<br>R. INGRAM (L) | <u>A/T IND.</u><br>BRAITMAN<br>SALTZMAN<br>MELTZ.<br><br><u>PLANS</u><br>MCDONALD<br>CHAPMAN<br>DUBE (Ltr)<br>E. COUPE<br>PETERSON<br>HARTFIELD (2)<br>KLECKER<br>EISENHUT<br>WIGGINTON<br>F. WILLIAMS<br>HANAUER |
|---|--|---|--|---|

**EXTERNAL DISTRIBUTION**

- |   |                                |                                |   |
|---|--------------------------------|--------------------------------|---|
| 1 - LOCAL PDR <u>Dispatched by Rochester NY</u> | 1 - TIC (ABERNATHY) (1)(2)(10) | 1 - NATIONAL LABS              | 1 - PDR-SAN/LA/NY                       |
| 1 - NSIC (BUCHANAN)                             | 1 - ASLB                       | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB                  |
| 1 - Newton Anderson                             | 1 - ACRS SENT TO LIC ASST      | 1 - CONSULTANTS                | 1 - G. ULRIKSON, ORNL                   |
| ** SEND ONLY TEN DAY REPORTS                    |                                | NEWMARK/BLUME/AGBABIAN         | 1 - AGMED (RUTH GUSSMAN)<br>Rm B-127 GT |
|   |                                |                                | 1 - J. D. RUNKLES, Rm E-201<br>GT       |



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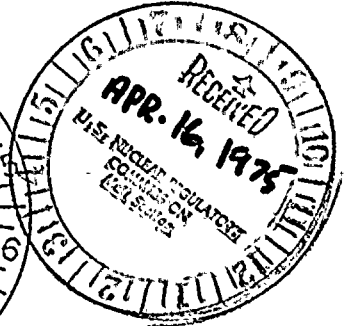
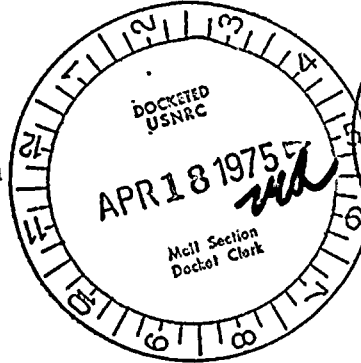


LEON D. WHITE, JR.  
VICE PRESIDENT

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)

4133



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# LICENSEE EVENT REPORT

CONTROL BLOCK:                     

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: 01 N Y R E G 1 | LICENSE NUMBER: 0 0 - 0 0 0 0 0 0 - 0 0 | LICENSE TYPE: 4 1 1 1 | EVENT TYPE: 0 1

CATEGORY: 01 CONT | REPORT TYPE: M I | REPORT SOURCE: T | DOCKET NUMBER: 0 5 0 - 0 2 4 4 | EVENT DATE: 0 3 2 4 7 5 | REPORT DATE: 0 4 0 7 7 5

**EVENT DESCRIPTION**

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

SYSTEM CODE: C I | CAUSE CODE: B | COMPONENT CODE: H T E X C H | PRIME COMPONENT SUPPLIER: N | COMPONENT MANUFACTURER: W 1 2 0 | VIOLATION: N

**CAUSE DESCRIPTION**

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

FACILITY STATUS: G | % POWER: 0 0 0 | OTHER STATUS: N/A | METHOD OF DISCOVERY: C | DISCOVERY DESCRIPTION: eddy current test of tubes

FORM OF ACTIVITY RELEASED: Z | CONTENT OF RELEASE: Z | AMOUNT OF ACTIVITY: N/A | LOCATION OF RELEASE: N/A

**PERSONNEL EXPOSURES**

NUMBER: 0 0 0 | TYPE: Z | DESCRIPTION: N/A

**PERSONNEL INJURIES**

NUMBER: 0 0 0 | DESCRIPTION: N/A

**OFFSITE CONSEQUENCES**

15 | N/A

**LOSS OR DAMAGE TO FACILITY**

TYPE: Z | DESCRIPTION: N/A

**PUBLICITY**

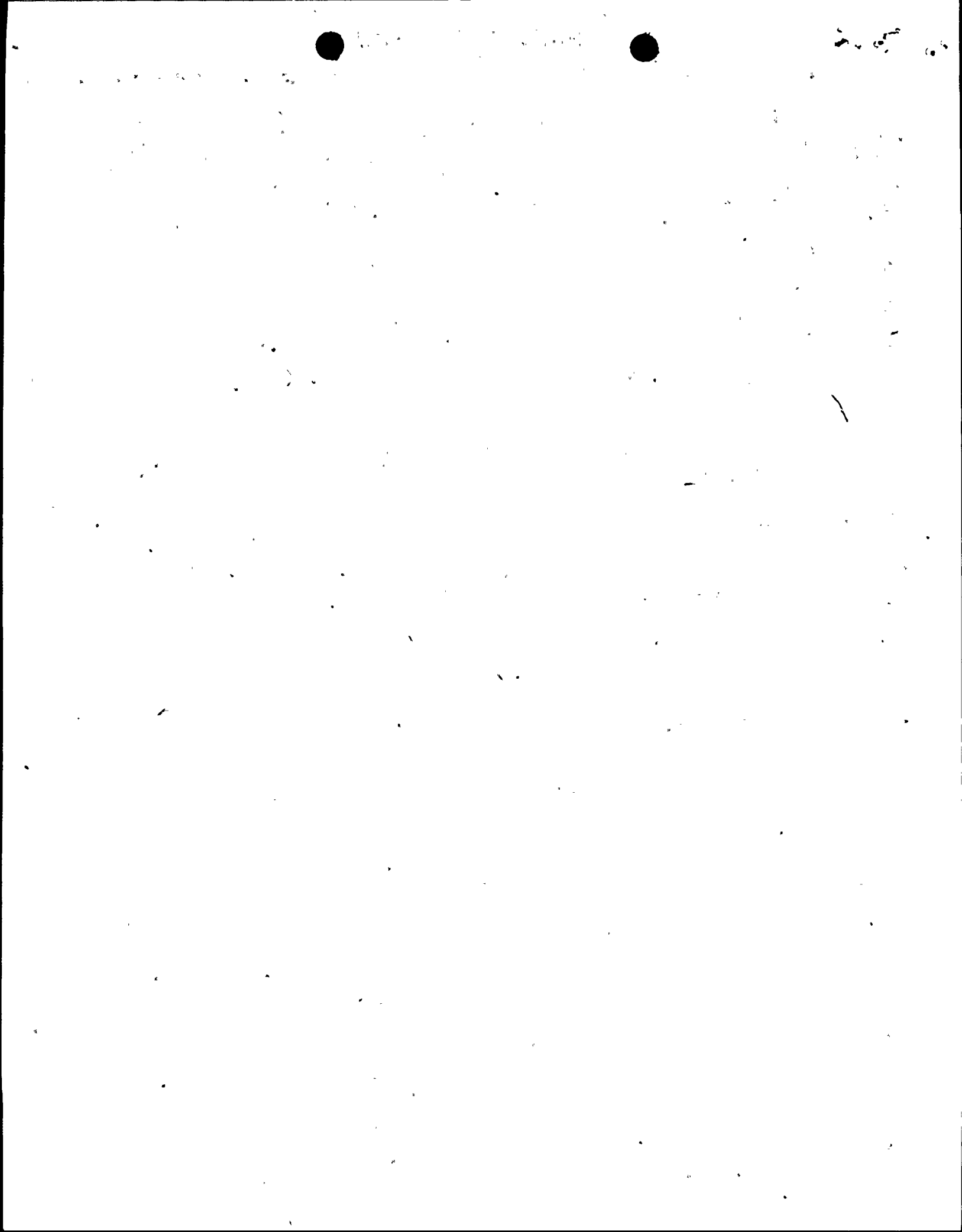
17 | N/A

**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 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.



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