

NKA321(0943)(1-008163C199)PD 07/18/73 0934

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018 PD ROCHESTER NY 07-18 916A EDT

PMS MR JAMES P O'REILLY DIR REGION 1

DIRECTORATE OF REGULATORY OPERATIONS

U.S. ATOMIC ENERGY COMMISSION

970 BROAD ST NEWARK NJER 07102

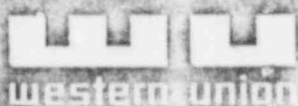
SUBJECT ABNORMAL OCCURRENCE

R.E. GINNA NUCLEAR POWER PLANT UNIT NO 1 DOCKET NO 50-244

DEAR MR OREILLY:

ON JULY 17, 1973 DURING THE MONTHLY SURVEILLANCE OF THE REACTOR PROTECTION SYSTEM (PERIODIC TEST PT-5) COMPONENTS ONE SIDE OF BISTABLE LC-427A/C FAILED TO DE-ENERGIZE WHEN A SIGNAL EQUAL TO 5 PERCENT OF PRESSURIZER LEVEL WAS INSERTED THIS COMPONENT IS ONE PART OF A LOGIC SYSTEM WHICH WOULD GIVE A SAFETY INJECTION SIGNAL IF IT OPERATED CORRECTLY AS IT WAS

MF-1201 (R5-69)



Telegram


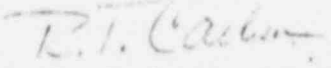
INOPERABLE IT IS BEING REPORTED AS AN ABNORMAL OCCURRENCE AS PER THE GINNA STATION TECHNICAL SPECIFICATIONS 1.9D  
D. FAILURE OF ONE OR MORE COMPONENTS OF AN ENGINEERED SAFETY FEATURES OR PLANT PROTECTION SYSTEM THAT CAUSES OR THREATENS TO CAUSE THE FEATURE OR SYSTEM TO BE INCAPABLE OF PERFORMING ITS INTENDED FUNCTION  
PERIODIC TEST #5 CALLS FOR DEFEATING ONE OF FOUR PROTECTION CHANNELS WHICH PUTS THAT CHANNELS COMPONENTS IN THE TRIP MODE SIGNALS ARE THEN INSERTED INTO THE VARIOUS COMPONENTS OF THE PROTECTION CHANNEL AND THE BISTABLE ALARMS ARE THEN VERIFIED AS TO THEIR SET POINTS  
WHEN THE 5/ LOW PRESSURIZER LEVEL SIGNAL WAS SIMULATED INTO BISTABLE LC-427A/C LOW PRESSURIZER LEVEL THE BISTABLE FAILED TO DE-ENERGIZE (TRIP) THIS BISTABLE HAS A SINGLE INPUT

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# Telegram

(PRESSURIZER LEVEL) AND A DUAL OUTPUT (LOW PRESSURIZER LEVEL  
AND HI PRESSURIZER LEVEL) THE HI PRESSURIZER LEVEL COMPONENT  
DID WORK CORRECTLY WHEN A TEST SIGNAL WAS INSERTED  
THE SAFETY INJECTION LOGIC SYSTEM CALLS FOR A COMBINATION OF  
LOW LEVEL AND LOW PRESSURE IN ANY OF THREE SEPARATE CIRCUITS IN  
OTHER WORDS ANY TWO OUT TWO IN A 1 OF THREE LOGIC SYSTEM AS  
THE OTHER TWO CHANNELS CONTAINING THE SAFETY INJECTION LOGIC  
OPERATED CORRECTLY SAFETY INJECTION WOULD HAVE OCCURRED IF NECESSARY  
LEE S LANG ASST SUPT GINA STATION

TO (Name and unit)  D. Thornburg, Chief, FS&EB	INITIALS   DATE	REMARKS Licensee: Rochester Gas & Electric Corp. Facility: R. E. Ginna Nuclear Power Docket No.: 50-244 Plant Abnormal Occurrence: Telegram dated 7/18/73 (No number indicated)
TO (Name and unit)  RO:HQ (5) DR Central Files (1) Regulatory Standards (3) Dir. of Licensing (13)	INITIALS  DATE	REMARKS  The attached report from the subject licensee is forwarded in accordance with RO Manual Chapter 1000.
TO (Name and unit) RO Files ✓ Central Mail & Files	INITIALS  DATE	REMARKS The action taken by the licensee is considered appropriate. Followup will be performed during the next inspection as appropriate. Copies of
FROM (Name and unit)   R. T. Carlson, Chief Facility Operations Branch, RO:I	REMARKS  the report have been forwarded to the PDR, Local PDR, NSIC, DTIE and State representatives. The licensee will submit a 10 day written report to Licensing.	PHONE NO. DATE 7/19/73

USE OTHER SIDE FOR ADDITIONAL REMARKS

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PMS MR JOHN F OLEARY DIR  
DIR OF LICENSING US ATOMIC ENERGY COM  
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50-244

SUBJECT: ABNORMAL OCCURRENCE  
R.E. GINNA NUCLEAR POWER PLANT UNIT NO 1  
DOCKET NO 50-244  
DEAR MR OREILLY:

ON JULY 17, 1973, DURING THE MONTHLY SURVEILLANCE OF THE REACTOR  
PROTECTION SYSTEM (PERIODIC TEST PT-5) COMPONENTS  
ONE SIDE OF BISTABLE LC-407A/C FAILED TO DE-ENERGIZE WHEN A  
SIGNAL EQUAL TO 5% OF PRESSURIZER LEVEL WAS INSERTED, THIS  
COMPONENT IS ONE PART OF A LOGIC SYSTEM WHICH WOULD GIVE A  
SAFETY INJECTION SIGNAL IF IT OPERATED CORRECTLY AS IT WAS

INCORPORABLE IT IS BEING REPORTED AS AN ABNORMAL OCCURRENCE AS  
PER THE GINNA STATION TECHNICAL SPECIFICATIONS: 1.00  
D. FAILURE OF ONE OR MORE COMPONENTS OF AN ENGINEERED  
SAFETY FEATURE OR PLANT PROTECTION SYSTEM THAT CAUSES  
OR THREATENS TO CAUSE THE FEATURE OR SYSTEM TO BE  
INCAPABLE OF PERFORMING ITS INTENDED FUNCTION.

PERIODIC TEST A PROTECTION  
CHANNELS WHICH USE THAT CHANNELS COMPONENTS IN THE TRIPMODE SIGNALS  
ARE THEN INSERTED INTO THE CHANNELS COMPONENTS OF  
THE PROTECTION CHANNEL AND THE BISTABLE ALARMS ARE THEN  
VERIFIED AS TO THEIR SET POINTS  
WHEN THE 5% LOW PRESSURIZER LEVEL SIGNAL WAS SIMULATED INTO  
BISTABLE LC-407A/C LOW PRESSURIZER LEVEL THE BISTABLE FAILED  
TO DE-ENERGIZE (TRIP) THIS BISTABLE WAS A SINGLE INPUT

(PRESSURIZER LEVEL) AND A DUAL OUTPUT (LOW PRESSURIZER LEVEL  
AND HI PRESSURIZER LEVEL) THE HI PRESSURIZER LEVEL COMPONENT DID WORK  
CORRECTLY WHEN A TEST SIGNAL WAS INSERTED  
THE SAFETY INJECTION LOGIC SYSTEM CALLS FOR A COMBINATION OF LOW  
LEVEL AND LOW PRESSURE IN ANY OF THREE SEPARATE CIRCUITS IN OTHER  
WORDS

ANY TWO OUT OF TWO IN A 1 OF THREE LOGIC SYSTEM AS THE OTHER TWO CHAN  
NELS

CONTAINING THE SAFETY INJECTION LOGIC OPERATED CORRECTLY  
SAFETY INJECTION WOULD HAVE OCCURRED IF NECESSARY

LEE S LANG ASST SUPT GINNA STATION

*Dupe of  
previous*



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COPY SENT REGION