

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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SUBJECT: RO:on 880314,radiation process monitor R-15 alarmed  
 indicating possible steam generator tube leak.

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 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:License Exp date in accordance with 10CFR2,2.109(9/19/72). 05000244

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March 15, 1988

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Subject: Follow-up Summary of Close-out of March 14, 1988  
Unusual Event  
R.E. Ginna Nuclear Power Plant  
Docket No. 50-244

In accordance with NUREG 0654 reporting requirements which requires a written summary of "close-out or class reduction conditions," the attached close-out summary for the March 14, 1988 Unusual Event is hereby submitted.

This event has in no way affected the public's health and safety.

Very truly yours,

Bruce A. Snow  
Superintendent of  
Nuclear Production

Attachment

xc: U.S. Nuclear Regulatory Commission  
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Ginna USNRC Resident Inspector

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Attachment to Close-out of March 14, 1988 Unusual Event  
R.E. Ginna Nuclear Power Plant  
Docket No. 50-244

On March 14, 1988 at approximately 1409 EST Radiation Process Monitor R-15 (Condenser Air Ejector) alarmed indicating a possible primary to secondary Steam Generator Tube Leak. At this time radiation process monitor R-19 (Steam Generator Blowdown) was out of service for maintenance so confirming indication from this monitor could not be obtained.

At approximately 1500 EST R-19 (Steam Generator Blowdown) monitor was returned to service thus adding additional monitoring of the Steam Generator Tube Leak.

At 1515 EST air ejector and Steam Generator Blowdown grab samples were taken and analyzed confirming a primary to secondary Steam Generator Tube Leak of approximately 60 cc/min (i.e. .016 gpm) and that the tube leak was in the "B" Steam Generator.

At 1600 EST a meeting was held between the Plant Superintendent and department managers to plan for a forced outage to investigate and repair the "B" Steam Generator Tube Leak.

At approximately 1830 EST a "B" Steam Generator sample iodine calculation indicated that the primary to secondary leak rate was approximately 0.11 gallons per minute although air ejector calculations still indicated 0.016 gpm.

Based on the above leakage determination, at 1845 EST the Plant Superintendent ordered the plant shutdown to investigate and repair the leak. Also at this time the Technical Specification limit of no more than .1 gpm tube leakage in one steam generator when averaged over 24 hours was addressed and it was decided since the 24 hour average was not exceeded, to wait for a more accurate leak rate calculation from a Steam Generator Blowdown sample.

At 2116 EST the Turbine Generator was taken off the line.

At 2117 EST the "B" Steam Generator was isolated from the secondary steam system to limit releases to the environment and to limit contamination of the secondary system.

At 2127 the reactor was shutdown with all control rods inserted and plant cooldown commenced.

At 2130 EST a "B" Steam Generator Blowdown sample calculation indicated the primary to secondary tube leak was greater than .1 gpm (i.e. approximately .14 gpm). At this time the Operations Shift Supervisor declared an Unusual Event in accordance with SC-100, "Ginna Station Event Evaluation and Classification," EAL: Reactor Coolant Leakage; Steam Generator Tube Leakage > .1 gpm as identified by sampling. All offsite notifications were made per SC-601, "Unusual Event Notifications."

At 0159 EST March 15, 1988 the plant reached less than 350°F reactor coolant temperature. This completed the Technical Specification action statement for a Steam Generator Tube Leak of > .1 gpm. The action statement states to be in hot shutdown within six hours and at an RCS temperature of less than 350°F within the following six hours.

With the RCS temperature less than 350°F and all Technical Specification action statements met, the Operations Shift Supervisor, with approval of the Superintendent - Ginna Station, declared the Unusual Event terminated at 0213 EST in accordance with SC-110, "Ginna Station Event Evaluation For Reducing The Classification."

At 0346 EST the Residual Heat Removal system was placed in service and cooldown to cold shutdown continued.

At 0700 EST the plant entered the cold shutdown mode of operation.

An estimated release to the environment was calculated assuming a 0.14 gpm tube leak during the entire event. Total noble gas release calculated was .062 curies or approximately 0.0015% of the Technical Specification limit.