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SUBJECT: Special rept: on 920810, discovered that B Reactor Compartment Cooling Fan cooling coils developed SW leak. Work Order package 9201643 developed to perform tube repair, per Procedure EM-745, "Repair of Containment Fan...."

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August 24, 1992

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

Subject: Service Water Leak Inside Containment
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

In accordance with the requirements of IE Bulletin No. 80-24, (Prevention of Damage Due to Water Leakage Inside Containment), the attached 14 day report is hereby submitted.

Very truly yours,

Robert C. Mecredy

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14 Day Report of Service Water Leak Inside Containment

I. PRE-EVENT PLANT CONDITIONS

The plant was at approximately 97% steady state reactor power. Investigations were underway to determine the source of the decrease in the actuation interval of the Containment (CNMT) sump A Sump pump.

Indications of a possible Reactor Coolant System (RCS) leak were not present; i.e. no significant unexplainable increases or changes were observed on radiation monitors R-11 and R-12, (CNMT Air Particulate Monitor and CNMT Radioactive Gas Monitor, respectively), the CNMT dewpoint, or RCS leakage. However, samples of the Containment Sump A water did indicate the possibility of a Service Water (SW) Leak inside CNMT.

II. DESCRIPTION OF EVENT

On August 10, 1992 at approximately 1930 EDST, while systematically isolating fan coolers in CNMT investigating for a possible Service Water (SW) leak, it was discovered that the B Reactor Compartment Cooling Fan cooling coils had developed a SW leak. The Service Water to and from the B Reactor Compartment Cooling Fan Cooling Coils was isolated and held. A Ginna Station Work Request or Trouble Report (WR/TR) was initiated (WR/TR #9201643) to repair the Service Water leak associated with the B Reactor Compartment Cooling Fan cooling coils.

The Control Room operators notified higher supervision, the Nuclear Regulatory Commission (NRC), and the NRC Resident Inspector of the event.

III. CORRECTIVE ACTION

A. ACTION TAKEN TO RETURN AFFECTED SYSTEMS TO PRE-EVENT NORMAL STATUS:

Work Order package 9201643 was developed to perform a tube repair in accordance with procedure EM-745 (Repair Of Containment Fan Cooling Coils) and the Mechanical Engineering disposition of NCR 92-348 using general brazing specification 400 and qualified brazing specification BPS 400-6.

The location of the leak was on a first pass "U" bend section of the cooling coils. The leak occurred at a "V"-notch dent in the tube. A second similar dent was identified at a "U" bend section two rows lower on the cooling coils with no leakage evident.

The leaking tube and the second dent were repaired using qualified brazing specification BPS 400-6. The braze repairs were visually examined and leak tested at operating pressure to verify acceptability (no indication of leakage was apparent). The "B" Reactor Compartment Cooling Fan was subsequently returned to service.

B. ACTION TAKEN OR PLANNED TO PREVENT RECURRENCE:

The underlying cause of the event was determined to be a failure of the tube in the area of the dent. The following actions to prevent recurrence have been taken:

- The A Reactor Compartment Cooling Fan exposed cooling coils were visually inspected for damage. None was noted.

- The B Reactor Compartment Cooling exposed fan and cooling coils were visually inspected after repair. No damage/leakage was noted.