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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 days written report is hereby submitted.

Very truly yours,

Roger W. Kober
Roger W. Kober

RWK/eeg

xc: U.S. Nuclear Regulatory Commission
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SERVICE WATER LEAK INSIDE CONTAINMENT

At 1030 hours on July 1, 1985, while Ginna Station was operating at 100% power and following completion of PT-2.7 "Service Water System" test, the Containment Vessel "A" Sump Pump actuation interval decreased significantly from normal. This sump is located at the bottom of the reactor vessel cavity area and is the lowest elevation of the Containment Vessel. (See attached drawing)

An investigation for determination of the cause of leakage inside containment was immediately initiated. No changes were observed on radiation monitors R-11 and R-12, Containment Air Particulate Monitor and Containment Radiogas Monitor respectively, no changes in containment dewpoint, no indication of Reactor Coolant System Leakage increase was observed and no significant increases in actuation of the Containment Vessels Recirculation Fan Coolers Condensate Collection System dump valves to Sump "A".

The leakage rate to the Sump "A" was calculated to be, through the actuation of the sump pump and by use of the sump level indication chart recorder, approximately 4 to 5 gpm. This was also verified by the Waste Holdup Tank level increase, the receiving tank of Sump "A" discharge located outside containment.

A Service Water Leak was suspected.

Operations personnel requested the Health Physics and Chemistry section to take a sample of Sump "A" water and to initiate required actions for containment entry as per Administrative Procedure A-3 "Containment Vessel Access Requirements", a non-emergency entry. A group of personnel consisting of Operations, Maintenance, Quality Control, and Health Physics was designated to make the entry to investigate and repair the leak.

To expedite the identification of the service water leak, while preparations were made for containment entry, Operations personnel at 1056 hours initiated the sequence for service water isolation to selected Containment Vessel (CV) Recirculation Fan Coolers using maintenance procedure M-11.34.2 "Containment Recirculation Fan Cooler Maintenance".

The "B" CV Recirculation Fan Cooler and motor cooler was isolated first by closing the manual inlet and outlet service water valves and by pulling-to-stop the fan motor switch thus rendering it inoperable. At 1142 hours the "B" CV Fan was returned to service since no decrease in leakage was observed.

At 1143 hours, the same sequence was initiated for the "D" CV Recirculation Fan Cooler, with its return to service at 1201 hours since again no decrease in leakage was observed.

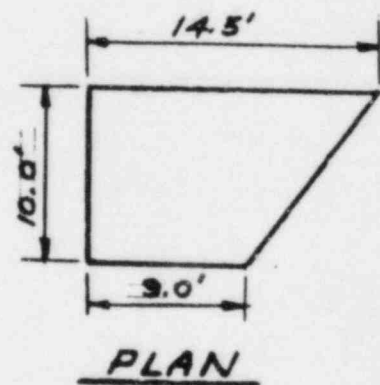
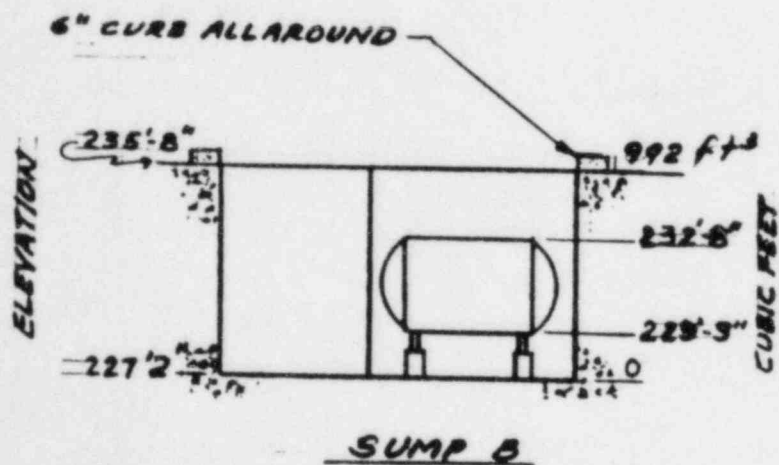
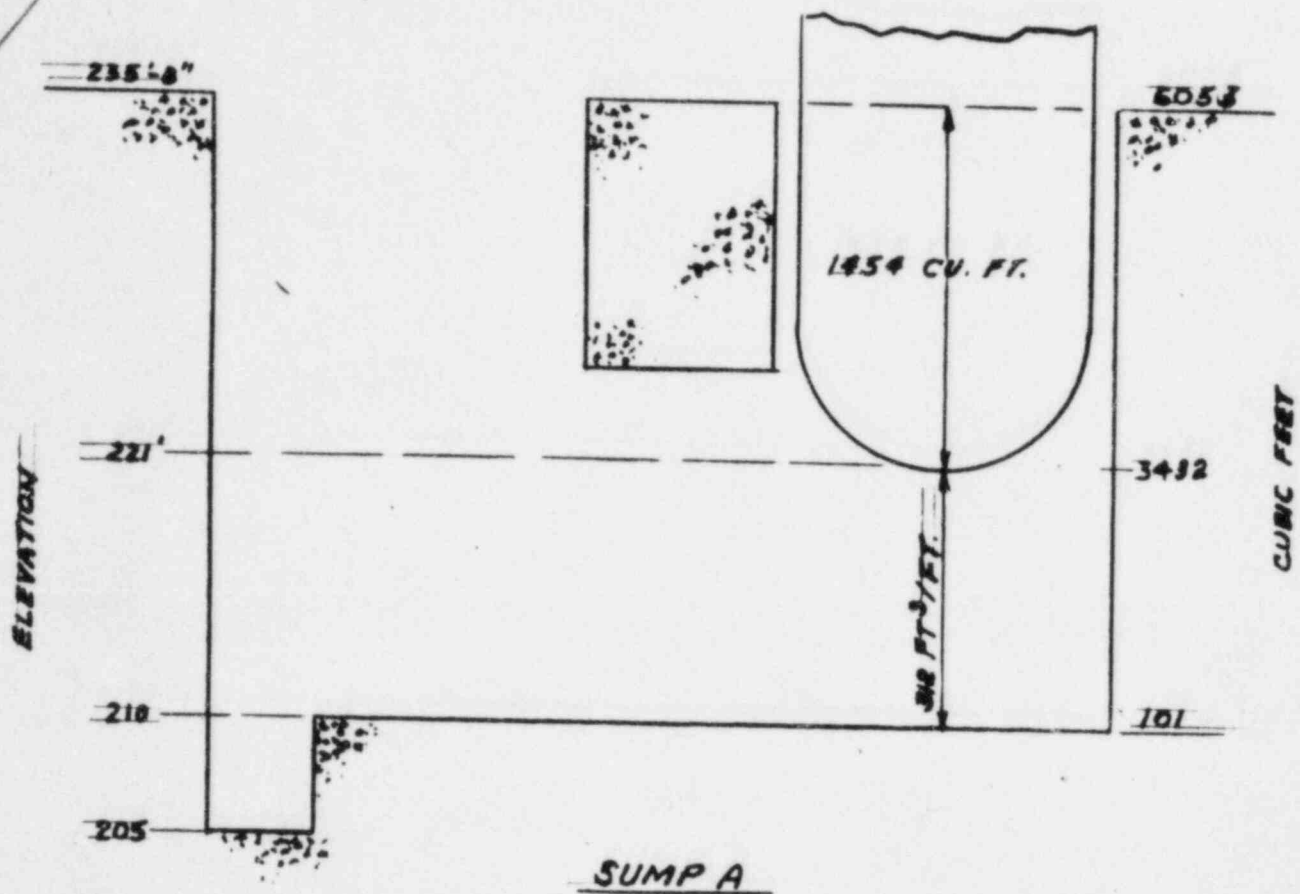
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At 1203 hours the same sequence was initiated for the "A" CV Recirculation Fan Cooler. Since the post accident charcoal filter is part of this fan cooler system the isolation rendered inoperable both the fan cooler and the post accident charcoal filter. This time the actuation of Sump "A" pump decreased significantly. The inspection and repair team was instructed which fan cooler to inspect and repair. The group's entry in containment was made at approximately 1220 hours.

Inspection of the 1A Containment Fan Cooler revealed that a 1/8" diameter threaded motor cooler drain plug had become displaced during PT-2.7. The drain plug was replaced and the remaining three plugs in the cooler were inspected per maintenance procedure M-11.34.2. In addition, the motor cooler drain plugs on the 1B, 1C, and 1D CV Recirculation Fans were inspected at this time and found acceptable. At the completion of the repair work the "A" CV Recirculation Fan Cooler and its associated post accident charcoal filter was restored to service at 1440 hours.

As a preventive measure, inspection of all drain plugs will be performed each Refueling Outage. The total leakage into Sump "A" and eventual transfer to the Waste Holdup Tank was calculated to have been approximately 1100 gallons.

The NRC was notified via telephone at 1323 hours on the same date and the NRC Resident Inspector was also notified and appraised of the situation.



0	ORIGINAL	INITIAL DATE	HJP 9-10-84	Rev 9-19-84	Cpm 9-19-84	RCM 10-2-84
NUMBER	REVISION	DRAWN BY	CHECKED BY	RESP. ENG.	ENG. MANG'R.	
ROCHESTER GAS & ELECTRIC CORP. ROCHESTER, NEW YORK			SUMP "A" AND "B" VOLUMES		SCALE None	
					NO. 03021-582	