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50-244

TELETYPE  
UNIT 115 548.2

Ginna Station  
July 11, 1979

Mr. Boyce H. Grier, Director  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Subject: Cracks in Feedwater Lines at Ginna Station

Dear Mr. Grier:

This is to confirm my phone call to Mr. R. Keimig, on July 10, 1979, to report the cracking found in the feedwater lines at Ginna Station. This notification is in accordance with the reporting requirements of I & E Bulletin No. 79-13.

The Station was shutdown on July 6, 1979, to perform the inspection required by the referenced bulletin.

On July 9, Ultrasonic examination commenced on the A and B Steam Generator Feedwater Nozzle to Elbow welds.

The welds are identified as:

B Steam Generator - PW 1005 BB  
A Steam Generator - FW 1001 XB

add  
CD

7908210437



July 11, 1979.

An indication was observed on the B Steam Generator nozzle weld by three separate ultrasonic scans.

1. 45 degree scan from the down stream side (elbow), with a metal path indicating a reflector at the ID surface, approximately 1/4 inch from the weld crown edge, but on the ID surface.
2. 60 degree scan from the down stream side (elbow) also indicating a reflector at the same location as with the 45 degree scan (elbow side).
3. 45 degree scan from the up stream side, with the transducer placed on the weld crown, this also agreed in indicating a reflector in the same location (see the attached cross section of the weld joint).

The indication found by ultrasonics indicated the length of the reflector to be from the 9 o'clock position to the 3 o'clock position of the weld, 29 inches in length. There also appeared to be intermittent reflectors through out the remainder of the weld. In the same location. The through wall depth of the reflector appears to be approximately 1/16 to 3/32 of an inch in depth. The ultrasonic responses range from 80% to 100% of DAC (distance amplitude correction).

An ultrasonic exam was then performed on the A Steam Generator feed-water nozzle to elbow weld. As with the ultrasonic exam on the B Steam Generator nozzle weld and indication was also found on the A Steam Generator nozzle weld adjacent elbow base metal. The length appears to be approximately the same as with the B Steam Generator. The ultrasonic responses range from 125% to 178% DAC.

Radiography commenced on July 10, 1979. The interpretation of the B Steam Generator nozzle to elbow weld indicated a fine linear indication, 1/4 inch from the edge of the weld crown on the elbow side, 360 degrees in circumference (58 inches).

The interpretation of the A Steam Generator nozzle to elbow weld also indicated a linear indication 1/4 inch from the edge of the weld crown, on the elbow side of the weld approximately 300 degrees around the circumference, of 48 inches in length.



Mr. Boyce H. Crier

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As a result of these findings, we are continuing with an expanded inspection program of additional welds and supports to meet the bulletin requirements. Replacement and rewelding of elbows at the Steam Generator feedwater nozzle is expected to commence shortly.

A final report of the results of all examinations will be submitted in accordance with the referenced bulletin within 30 days of the examination completion.

Very truly yours,

*John C. Noon*

for Bruce A. Snow  
Plant Superintendent

BAS:cll  
disc 1

Attachment

cc: L. D. White, Jr.  
L. S. Lang



B 5/8 Weld FW 1005 B

NO2

Weld

90° ELBOW



