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SUBJECT: Forwards Request for Relief 92-14 from ASME Section XI 1980
 edition through Winter 1980 addenda for second 10-yr
 inservice insp interval for ultrasonic exam of inside radius
 of welds on HPI letdown coolers.

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DUKE POWER

November 24, 1992

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

Subject: Duke Power Company
Oconee Nuclear Station
Docket No. 50-269, 270, 287
Second Ten Year Inservice Inspection Interval
Request for Relief No. 92-14

Pursuant to 10CFR50, 50.55a, please find the subject Request for Relief from ASME Section XI, 1980 Edition through the Winter 1980 Addenda. This relief is needed due to the impracticality of meeting the code requirements concerning the required Ultrasonic Examination of the inside radius of welds on the High Pressure Injection (HPI) Letdown Coolers. Existing examination technology is inadequate to perform the inside radius examination of the nozzle welds on the HPI coolers to meet Code requirements.

Please review and approve this request prior to the completion of Oconee's Second Ten-Year Inservice Inspection Interval, ending on February 28, 1994.

Very truly yours,

J. W. Hampton
J. W. Hampton

Attachment

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U. S. Nuclear Regulatory Commission
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bxc: J. O. Barbour
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R. L. Gill
File

Serial No. 92-14**DUKE POWER COMPANY****Request for Relief From
Inservice Inspection Requirement**

Station: Oconee

Unit: 1, 2 and 3

Requesting Department: Nuclear Generation Department

Reference Code: ASME Section XI, 1980 Edition, with Winter 1980 Addenda

I. Component for which exemption is requested:

- a. Name and Identification Number: Letdown Coolers for Units 1, 2 and 3. The following Item Numbers are affected:

<u>UNIT 1</u>	<u>UNIT 2</u>	<u>UNIT 3</u>
B03.160.001	B03.160.001	B03.160.001
B03.160.002	B03.160.002	B03.160.002
B03.160.007	B03.160.003	B03.160.003
B03.160.008	B03.160.004	B03.160.004

- b. Function: The letdown cooler reduces the temperature of the letdown flow from the Reactor Coolant System to a temperature suitable for demineralization.
- c. ASME Section XI Code Class: Class 1
- d. Construction Code and Class (If Applicable): NA
- e. Valve Category (If Applicable): NA
- f. Drawing Number: OM-201-3107

II. Reference Code Requirement that has been determined to be impractical:

Table IWB-2500, Examination Category B-D, Item Number B3.160
 This table requires that an inside radius volumetric examination be performed on heat exchanger nozzles.

III. Basis for Requesting Relief:

Due to the size and geometry of the nozzle inside radius on the Letdown Coolers we have been unable to perform a meaningful, (i.e., unable to get sound into the area of interest) volumetric examination.

IV. Alternate Examination:

Perform the volumetric examination on the weld volume, as required by ASME Section XI, Table IWB-2500-1, Examination Category B-D, Item Number B3.150. This will provide adequate assurance of the integrity of the welded connection.

The alternate proposed inservice testing will provide an acceptable level of quality and safety and ensures the level of public health and safety is not reduced.

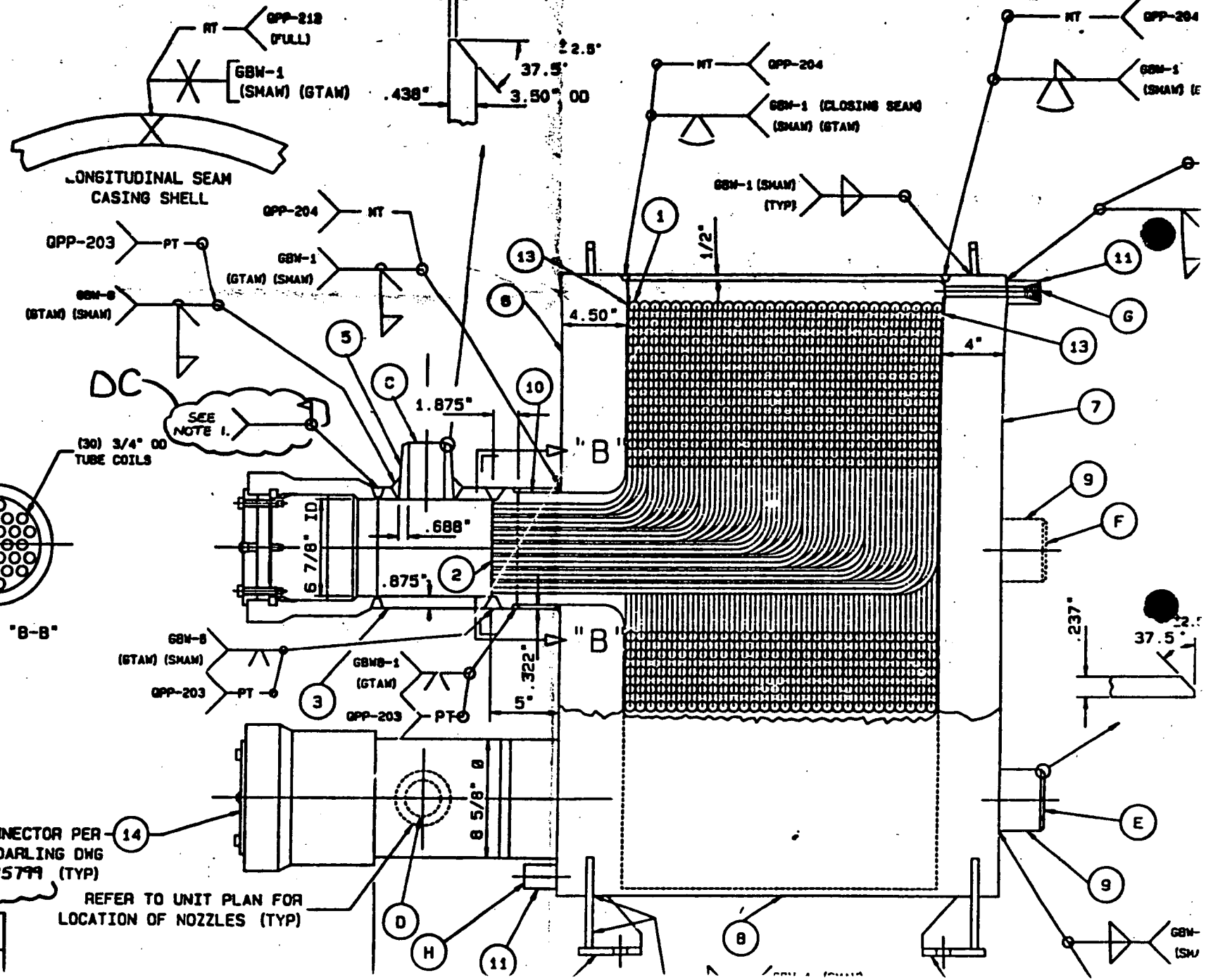
V. Implementation Schedule:

<u>RFO</u>	<u>UNIT 1</u>	<u>RFO</u>	<u>UNIT 2</u>	<u>RFO</u>	<u>UNIT 3</u>
9	B03.160.001	8	B03.160.001	11	B03.160.001
12	B03.160.002	13	B03.160.002	11	B03.160.002
14	B03.160.007	12	B03.160.003	14	B03.160.003
14	B03.160.008	13	B03.160.004	14	B03.160.004

Evaluated By: R. K. Roum Date 11/23/92
 Reviewed By: J. P. Davidson Date 11/23/92

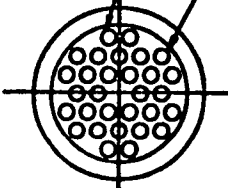
3 1/4"

2.624" ID .094" ⁺⁰ _{-.001}



Welds Identified For Relief

OPP-203 PT
GBW-8 (GTAW)
TUBE TO TUBESHEET



DC

6

DC
BLE INSERT CONSUMABLE

CHEMICAL CONNECTOR PER ANCHOR/DARLING DWG 93-15799 (TYP)

REFER TO UNIT PLAN FOR LOCATION OF NOZZLES (TYP)

MARKS