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SUBJECT: Forwards addl info re 821004 request for relief from hydrostatic inservice insp requirements of Section XI of ASME Boiler & Pressure Vessel Code.

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February 17, 1983

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4

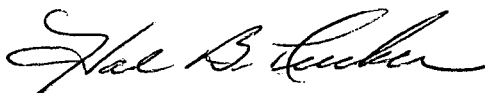
Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

Regarding my letter of October 4, 1982 which requested relief from the inservice inspection requirements (Hydrostatic) of Section XI of the ASME Boiler and Pressure Vessel Code, please find attached additional information for relief.

These requests are considered to supplement the request made by my letter of October 4, 1982. As such, no additional license fees are provided.

Very truly yours,



Hal B. Tucker

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Attachment

cc: Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

A047

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

S. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3 CCW System. The crossover piping from CCW-40, CCW-92 to the Low Pressure and High Pressure Service Water pumps and valves 2CCW-41, 2CCW-42 and the piping to Unit 3 (the CCW crossover line) to the LPSW Pump 3A and 3B, to valve 3CCW-94. (PO-133A and PO-133B)

(b) Function:

Provide cooling water for plant heat exchangers.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

This piping cannot be isolated for hydrostatic testing because of the continuous need for plant cooling water.

4. Alternate Examination:

All above ground piping will be examined under normal system operating conditions.

5. Implementation Schedule:

Prior to or during the next refueling outage.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

T. Component for Which Relief Is Requested:

(a) Name and Number: The CCW System for Units 1, 2, and 3 Emergency Discharge Piping from valves CCW-1,2,3,4,5 and 6, to valves CCW-240, 3CCW-240, CCW-93 and 2CCW-7 to the discharge at CCW-8 and CCW-9. (PO-133A and PO-133B)

(b) Function:

Provide emergency gravity flow conditions for condensers.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and electric motor operated.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

Station Technical Specifications 3.4.5 requires this piping to be inservice when the Reactor Coolant System of each respectable unit is above 250°F. Also, valves CCW-1,2,3,4,5 and 6 are 12" Allis Chalmers valves which are not desirable to be operated for potential failure to operate.

4. Alternate Examination:

Alternate examination not required per IWD-2000.

5. Implementation Schedule:

None

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

U. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3 CCW System. The piping from the condenser outlet waterbox to valves CCW-1,2,3,4,5 and 6. (PO-133A and PO-133B)

(b) Function:

Connect the emergency CCW discharge piping to the normal CCW discharge piping at the condenser outlets.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and electric motor operated.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

This safety related piping joins non-safety related piping at the condensers. It is not practical to attempt to pressurize the condenser.

4. Alternate Examination:

Alternate examinations are not required per IWD-2000.

5. Implementation Schedule:

None

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

V. Component for Which Relief Is Requested:

(a) Name and Number: For Units 2 and 3. The piping of the seal injection and seal return lines, from the last flange to the RC pump seal packages. (PO-115M02 and PO-115M03)

(b) Function:

Provide water to and from the RC pump seals.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

N/A

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

The RC pump seal packages cannot be hydroed.

4. Alternate Examination:

Piping will be inspected under "mini" hydro conditions during unit restart.

5. Implementation Schedule:

During the next refueling outage for Units 2 and 3.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

W. Component for Which Relief Is Requested:

(a) Name and Number: Unit 3. The piping from the outlet of valve 3LPSW-125 to valves 3LPSW-129, 132, 260, 327, 348, 403, 675, 45, 70, 67, 22, 80, 109, 113, 72, and 3LPSW-6. (PO-124A-3, PO-124B-3, PO-115B)

(b) Function:

Provide cooling water to the component coolers, LPI coolers, RB cooling units, the Auxiliary Building coolers, the main turbine oil tank, and the cross connect header for Units 1 and 2.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual, electric motor operated, pneumatic.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

Valve LPSW-67 is failed open and cannot be operated to the shut position or repaired; therefore, this piping cannot be isolated for hydrostatic testing.

4. Alternate Examination:

This piping will be inspected under normal system operation.

5. Implementation Schedule:

This inspection will be completed prior to or during the next refueling outage.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

X. Component for Which Relief Is Requested:

(a) Name and Number: For Unit 3. The piping from the LPSW A and B pumps to valves 3LPSW-125 and 3LPSW-122, including 3LPSW-192, 3LPSW-199, 3LPSW-194, 3LPSW-201. (PO-124A-3)

(b) Function:

Provide discharge flow to the LPSW A and B headers and cooling water for the LPSW pump bearings.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and check valves.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

This piping cannot be isolated for pressurization to required pressure. Pressurization would overpressurize pump suction piping. Piping downstream of 3LPSW-125 and 3LPSW-122 is embedded in concrete, therefore, preventing piping at pump discharge to be removed and blanked.

4. Alternate Examination:

This piping will be inspected under normal operating conditions.

5. Implementation Schedule:

Prior to or during the next refueling outage.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

Y. Component for Which Relief Is Requested:

(a) Name and Number: Unit 2. The piping between SF-45 and SF-46. (PO-104A-1)

(b) Function:

Provide suction to LPI pumps from the Spent Fuel Pool demineralize line.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and check.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

Check valve arrangement prevents pressurization to hydrostatic test pressure.

4. Alternate Examination:

A portion of the welds between these valves will be Magnetic Particle Tested. (M.T.)

5. Implementation Schedule:

Prior to or during the next Unit 2 refueling outage.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

Z. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3. The piping between AS-38 and AS-39. (PO-128A)

(b) Function:

Provide start-up steam for the turbine driven emergency feedwater pump.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Check valve and manual valve.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

Check valve arrangement prevents pressurization to hydrostatic test pressure.

4. Alternate Examination:

Magnetic Particle Testing will be conducted for the 2 welds between the valves.

5. Implementation Schedule:

Testing will be conducted next refueling outage for Units 1, 2, and 3.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

AA. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3. The piping from the inlet of MS-94, through MS-95 governor valve to the turbine driven emergency feed-water pump. (PO-122A)

(b) Function:

Provide steam supply to the TDEFDW pump.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Control valve.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

The piping and valves are built into the turbine and cannot be subjected to hydrostatic testing.

4. Alternate Examination:

None

5. Implementation Schedule:

None

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

BB. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3. Piping from LPSW-136 to LPSW-687.
(PO-124A and PO-115B)

(b) Function:

Provide cooling water for the turbine driven emergency feedwater pump bearings.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and check valve.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

Check valve arrangement prevents pressurization to required hydrostatic pressure.

4. Alternate Examination:

Piping will be inspected during system normal operations.

5. Implementation Schedule:

Prior to or during the next refueling outage for Units 1, 2, and 3.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

CC. Component for Which Relief Is Requested:

- (a) Name and Number: For Units 1, 2, and 3. The piping between CCW-265 and LPSW-502. (PO-115A, PO-115B)
 - (b) Function:
Provide cooling water flow to the HPI Pump motor bearing coolers from the Auxiliary Service Water System.
 - (c) ASME Section XI Code Class:
Class 3
 - (d) Valve Category:
Manual and check valve.
2. Reference Code Requirement That Has Been Determined To Be Impractical:
ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.
 3. Basis for Requesting Relief:
Check valve arrangement prevents pressurization to hydrostatic test pressure.
 4. Alternate Examination:
Piping will be inspected during normal operating conditions.
 5. Implementation Schedule:
Prior to or during the next refueling outage for Units 1, 2, and 3.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

DD. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3. The discharge piping of the motor driven emergency feedwater pumps to valves FDW-370, 380. (PO-121D)

(b) Function:

Provide discharge flow to the emergency feedwater system and the OTSG's.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Check valves.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

This piping cannot be subjected to the required hydrostatic test pressure because it is welded to the motor driven pumps. To pressurize this piping would overpressurize the pump suction piping.

4. Alternate Examination:

This piping will be inspected during the monthly Performance test at a discharge pressure of approximately 1350 psig.

5. Implementation Schedule:

Prior to or during the next refueling outage for Units 1, 2, and 3.

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENTS (HYDROSTATIC)

EE. Component for Which Relief Is Requested:

(a) Name and Number: For Units 1, 2, and 3. The piping from the turbine driven emergency feedwater pump to valves FDW-94, 96, 368, and 369. (PO-121D)

(b) Function:

Provide discharge flow from TDEFDW pump to the OTSG's.

(c) ASME Section XI Code Class:

Class 3

(d) Valve Category:

Manual and electric motor operated.

2. Reference Code Requirement That Has Been Determined To Be Impractical:

ASME Boiler and Pressure Vessel Code, Section IX, 1974 Edition through Summer 1975 Addenda, Article IWD-5000.

3. Basis for Requesting Relief:

The emergency feedwater pump turbine discharge piping cannot be blanked without cutting and removing piping and hanger restraints or removal of the pump and stand from its mounting.

4. Alternate Examination:

The emergency feedwater pump turbine discharge piping will be inspected during the monthly Performance test. This will subject the discharge piping to approximately 1350 psig.

5. Implementation Schedule:

Prior to or during the next Units 1, 2, and 3 refueling outages.

DUKE POWER COMPANY
REQUEST FOR RELIEF FROM
INSERVICE INSPECTION REQUIREMENT

FF. STATION: Oconee

UNIT: 1

REFERENCE CODE: ASME Section XI, 1974 through summer '75 addenda

I. COMPONENT FOR WHICH EXEMPTION IS REQUESTED:

A. NAME AND IDENTIFICATION NUMBER:

Between 1HP-259 & 1HP-261, between 1HP-212 & 1HP-214, (PO-101B-1, J-3)
Between 1HP-219 & 1HP-221, between 1HP-205 & 1HP-207, (PO-101B-1, I-3)
Between 1HP-273 & 1HP-274, between 1HP-267 & 1HP-268, (PO-101B-1, H-3)
Between 1HP-270 & 1HP-271, between 1HP-264 & 1HP-265, (PO-101B-1, G-3)
(Limited to < design hydro of 2750 PSIG because of flow rotometers
max hydro of 2250 PSIG)

B. FUNCTION:

RC pump seal #1 leak off and seal #1 bypass line flow rotometers.

C. ASME SECTION XI CODE CLASS:

Class 3

D. VALVE CATEGORY:

Manual valves and flow rotometers.

II. REFERENCE CODE REQUIREMENT THAT HAS BEEN DETERMINED TO BE IMPRACTICAL:

Article IWD-5000

III. BASIS FOR REQUESTING RELIEF

The in-line Brooks rotometers are 1500 PSI Class instruments. The Brooks instruments manufacturers could not provide any assurance that the instrument could service a test pressure greater than 2250 PSIG. Section XI requirements were 2750 PSIG. Therefore, test instruments and piping between the above listed valves were hydroed at 2250 PSIG instead of 2750 PSIG.

IV: ALTERNATE EXAMINATION:

None

V: IMPLEMENTATION SCHEDULE:

None