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 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.      05000287

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SUBJECT: Forwards second 10-yr insp interval Request for Relief 92-10 from 1980 Edition Section XI of ASME, including winter 1980 addenda to allow volumetric exam to be used for branch welds off main steam lines due to inaccessibility.

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DUKE POWER

July 15, 1992

U. S Nuclear Regulatory Commission  
Attention Document Control Desk  
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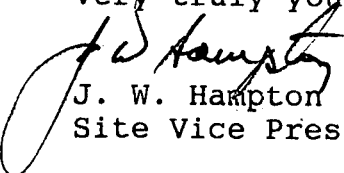
Subject: Duke Power Company  
Oconee Nuclear Station  
Docket No. 50-269, 270, 287  
Second Ten Year Inspection Interval  
Request for Relief 92-10

Pursuant to 10CFR50, 50.55a, please find attached Request for Relief from the requirements of the 1980 Edition Section XI of the ASME Boiler and Pressure Vessel Code (with Addenda through Winter 1980). This request is being submitted due to the impracticality of performing the surface examinations of the branch welds off the main steam lines for the Main Steam Relief Valves due to inaccessibility. This was a Relief Request submitted during the first Ten Year Inspection Interval, submitted November 27, 1979, and should have been included in the Second Ten year Inspection Interval Plan, but was overlooked. For your information, the sketches showing the welds for Unit 3 are attached. This is the typical configuration for all three units.

The 1980 edition of ASME Section XI revised the requirements from a volumetric examination to surface examination. Also in the Winter 1981 addenda of ASME Section XI, Figure IWC-2500-13 was added showing the branch configuration with a reinforcing collar. The examination specified by IWC-2500-13 are the alternate examinations addressed by Duke's Relief Request submitted on November 27, 1979, for the branch welds without guard piping. Duke feels this addenda clarifies the intent of the 1980 edition of ASME Section XI and relief request is not needed for those branch welds having the configuration shown in Figure IWC-2500-13 of the 1981 Winter addenda. This relief request is for those welds made inaccessible by guard piping.

Please review this request by August 31, 1992. On or about this date is when Unit 3 is currently scheduled to reach 200° F in the Reactor Coolant system after its next refueling outage.

Very truly yours,

  
J. W. Hampton  
Site Vice President

9207200196 920715  
PDR ADOCK 05000269  
Q PDR

A047  
11

Nuclear Regulatory Commission  
Page 2

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DUKE POWER COMPANY  
Request for Relief  
Inservice Inspection Requirement

Station: Oconee

Unit: 1,2, and 3

Requesting Department: Nuclear Services

Reference Code: ASME Boiler & Pressure Vessel Code, Section  
XI, 1980 Edition through Winter 1980 Addenda

I. Component for which exemption is requested:

a. Name and Identification Number:

Main Steam A & B (See attachment 1 for weld  
identification.)

b. Function:

Nozzles for Main Steam Relief Valves

c. ASME Section Code Class:

Class 2

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

Table IWC 2500-1 Category C-F, Item Number C5.31; Figure IWC  
2500-9

III. Basis for Requesting Relief:

Welds are inaccessible for surface examination due to  
location of guard pipe. ( See attachment 2 for sketch.)

IV. Alternate Examination:

Surface examination (MT) of welds as shown on attachment 2.  
The system pressure test, when performed, will provide  
additional assurance of the integrity of the branch  
connection welds. These examinations will assure the safety  
and health of the public is not reduced as a result of this  
request.

V. Implementation Schedule:

Examination shall be accomplished as follows:

Unit 1 - Refueling Outages 8, 10, & 11

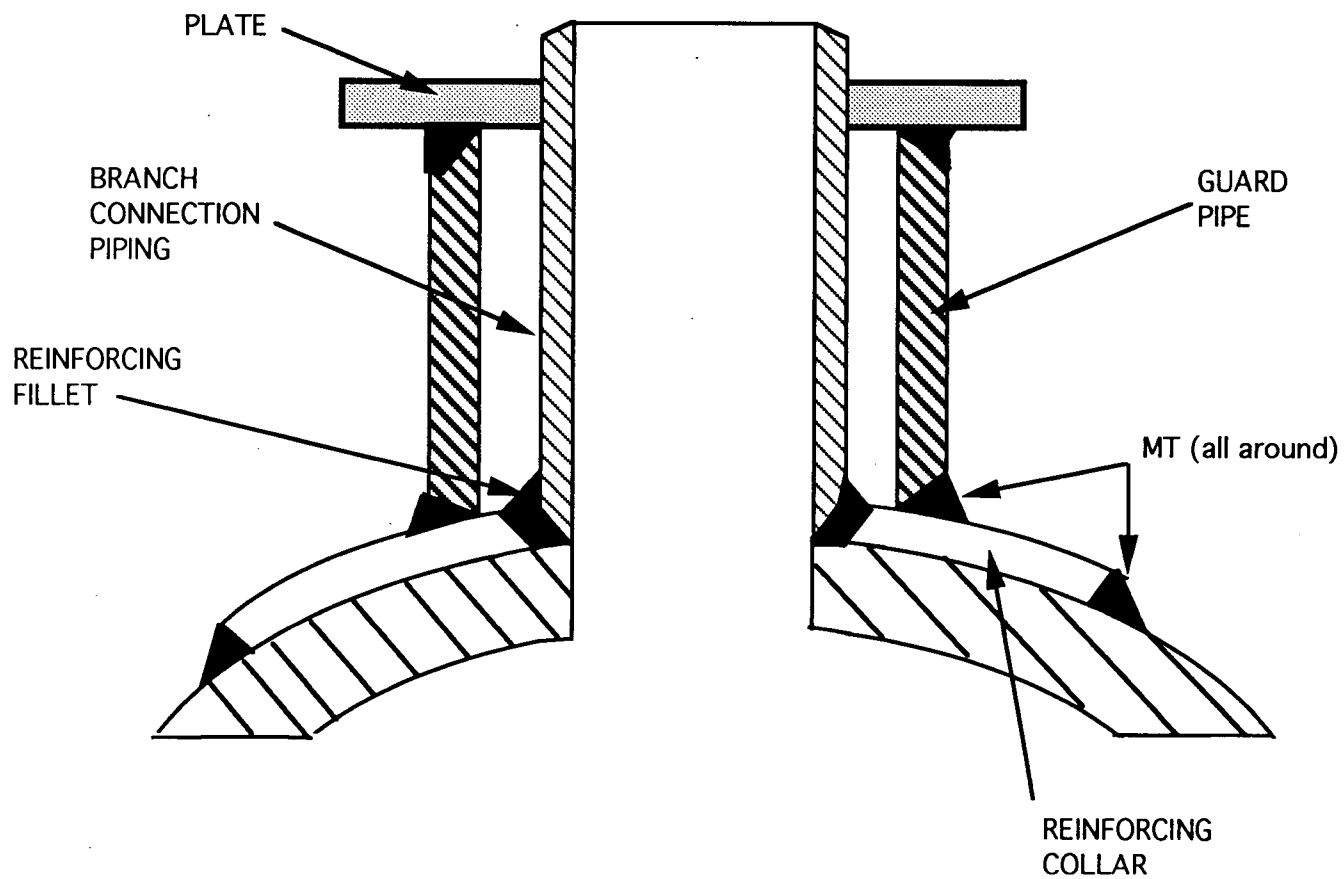
Unit 2 - Refueling Outages 7 & 9

Unit 3 - Refueling Outage 13

Serial No. 92-10  
Attachment 1  
Sheet 1 of 1

TABLE OF WELD IDENTIFICATION  
UNITS 1, 2 & 3

SYSTEM	ISOMETRIC	WELD NUMBER	ITEM NO.	COMMENT
Main Steam A	SYS 01A ISO 1.3	1-01A-MS12A-H	C05.031.013	Unit 1
Main Steam B	SYS 01A ISO 1.3	1-01A-MS12A-I	C05.031.011	Unit 1
Main Steam B	SYS 01A ISO 1.04	1-01A-MS15B-A	C05.031.015	Unit 1
Main Steam B	SYS 01A ISO 2	1-01A-MS15B-D	C05.031.017	Unit 1
Main Steam A	SYS 01A ISO 5 PT 2	2-01A-2MS12A-A	C05.031.201	Unit 2
Main Steam B	SYS 01A ISO 5 PT 3	2-01A-2MS15B-A	C05.031.203	Unit 2
Main Steam A	SYS 01A ISO 9	3-01A-3MS15A-F	C05.031.005	Unit 3
Main Steam A	SYS 01A ISO 9	3-01A-3MS15A-H	C05.031.006	Unit 3
Main Steam B	SYS 01A ISO 13	3-01A-3MS12B-A	C05.031.003	Unit 3

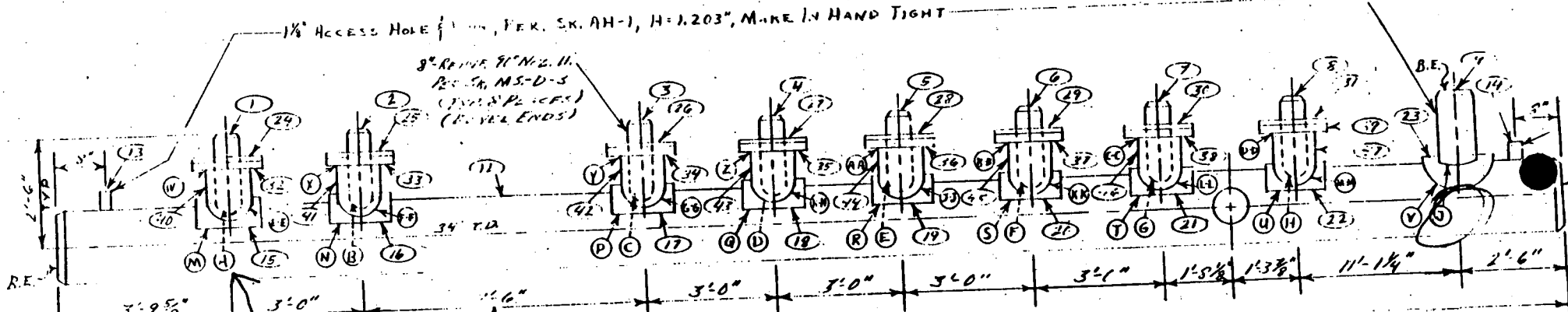


AB-147-1c

ORDER OR CONT. NO. 57-NDW-1651.  
NAME DUKE POWER CO.  
LOCATION COCKEE #3

DEPT. K-VILLE I.P.  
REDW'N BY J.H. DATE 1-5-72  
CHK'D BY D. DATE  
REV. BY DATE  
CHK'D BY DATE

12" REINF. 90° NOZ. W. REINF.  
W/1.164" MIN. TH. & 22 3/4" C.L.  
KING CUT FROM 36 1/2" I. L.  
CYLINDER (R# 3C-5C)



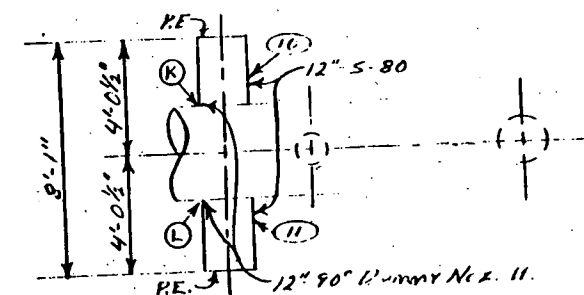
3-01A-3MS-12B-A

MACH. 34" I. L. ENDS PER. SK. MS-D-2, 1/2" DIA.  
C=34.063"  
MACH. 12" ENDS PER. SK. MS-D-1  
C=11.725"

KNIFE ENDS PER. SK. MS-D-6

DUKE POWER CLASS-F  
SYSTEM NO. 1011

SYS 01A-13



PIPE 12" S-80 1/2" NO. 11 REINF. 90° NOZ. II. PER. SK. MS-D-3 (SYSTEM PLACES) (LEVEL ENDS)

P.S. FLGS.

SYSTEM (HAIN 1011)

FOR ORDER LIST, MATERIALS AND OPERATIONS SEE SUMMARY SHIT. NO. 1011

REF. DRWG NO. 1011

PIECE MARKING 1011

PREP. 1011

POI. TEMP. 610

WEIGHT 273.95

LBS. PAIR 1000

1011-6

NO. REQ'D. 1

SKETCH

No. 3MS-12B

PRINTED IN U.S.A. 12-50



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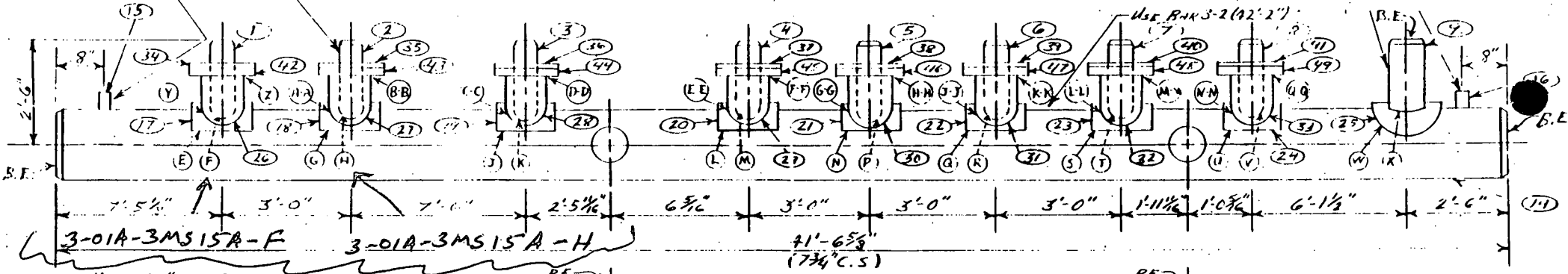
ORDER OR CONT. NO. 57-NH-16-11  
NAME DUKE POWER CO.  
LOCATION CLONED #3

DEPT. K-VILLE I.P.D.  
REDW'N BY ALH DATE 1-4-72  
CHK'D BY \_\_\_\_\_ DATE \_\_\_\_\_  
REV. BY \_\_\_\_\_ DATE \_\_\_\_\_  
CHK'D BY \_\_\_\_\_ DATE \_\_\_\_\_

12" REINF. 90° No. 2, W. A. S. INT.  
W/164 MIN. TR. 2 3/4" O.D.  
CUT FROM 36 1/2" I.P.  
CYLINDER (R # 30-50)

8" REINF. No. 11.  
PER. SR. MS-D-3  
(TYP. 8 PLACES)  
(REVEAL ENDS)

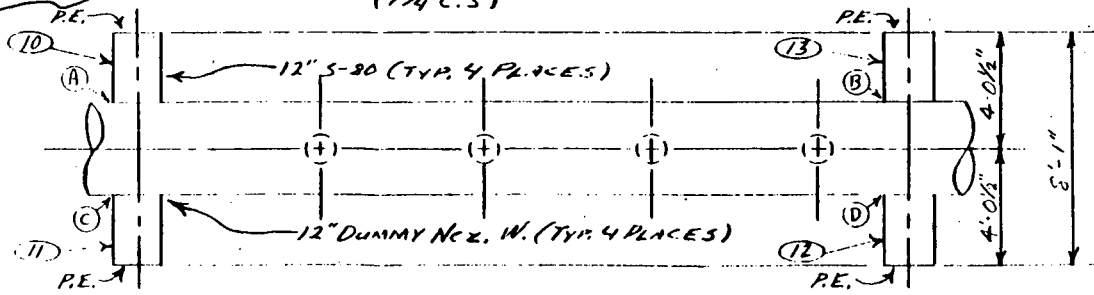
1/8" ACCESS HOLE & PLUG PER. SR. AM-1, H=1.203, MAKE IN HAND TIGHT



MACH. 34" I.D. ENDS  
PER. SR. MS-D-2, FIG. 1  
C=34.063"  
12" ENDS PER SR. MS-1  
C=11.725"

BRACE ENDS PER. SR. MS-D-6

DUKE POWER CLASS - F  
SYSTEM NO. 3014



PIPE 12" S-80 #5-80 SMLS 7-16 GR. B. 8" S-160 SMLS 7-16 GR. B.

34" I.D., 164 M. W. 2-1/2" X 20 C.S. (A-S) (R)

P. S. FLGS.

SYSTEM MAIN STEAM

FOR ORDER LIST MATERIALS AND OPERATIONS SEE SUMMARY SHT. NO.

REF. DRW'G NO. C-25-C

PIECE MARK 3011-15-A-2-10

PRESS. PSI. TEMP. °F WEIGHT 24,737 LBS. FABR. PHOS. 800 F5111-6

NO. REQ'D. 1  
SKETCH  
NO. 3MS-15-A

5/501A ISO 9