

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards info per 820702 commitment re inservice insp weld  
 program. Class 1 & 2 weld exam program became effective  
 781223 for Unit 1 & 780701 for Unit 2.

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September 2, 1982  
AEP:NRC:00070G

Donald C. Cook Nuclear Plant Units 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
INSERVICE INSPECTION PROGRAM - CLASS 1 AND 2 WELDS

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

Dear Mr. Denton:

This letter and its Attachments provide information that we committed to furnish in our letter No. AEP:NRC:00070F, dated July 2, 1982. The information concerns the Inservice Inspection Weld Program for the Donald C. Cook Nuclear Plant. The dates on which the Class 1 and Class 2 weld examination program became effective are December 23, 1978, for Unit 1 and July 1, 1978, for Unit 2.

The Attachments to this letter are as follows:

- A. Revised "Introductory Information and Abbreviation Legends" used in Tables 1 and 2 (Attachments B, C, D and E) for Class 2 systems.
- B. Revised "Table 1, Components and Welds in Accordance with Code Requirements" for Class 2 welds and systems in Unit 1.
- C. Revised "Table 1, Components and Welds in Accordance with Code Requirements" for Class 2 welds and systems in Unit 2.
- D. Revised "Table 2, Components and Welds for which Code Relief is Requested" for Class 2 welds and systems in Unit 1.
- E. Revised "Table 2, Components and Welds for which Code Relief is Requested" for Class 2 welds and systems in Unit 2.

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- F. "Class 2 Welds for which Code Relief is Specifically Being Requested due to Access Restriction or Configuration" for Units 1 and 2, for the first inspection interval.
- G. Class 1 Code Relief Requests for Units 1 and 2 for the first inspection interval.

Class 2 systems have been reviewed and a number of changes have been made. Segments of the containment spray and emergency core cooling systems have been transferred to Table 1 either for code exemption or for examination. Those segments that are to be examined and are in the process of being added to the weld program are identified in Table 1 (Attachments B and C) as "To be added".

Access restrictions for Class 2 welds previously listed on Table 1 for both Units have been removed. Most of these access restrictions were overly conservative and almost all of these welds or components can be examined. Access restrictions should not prevent compliance with ASME Code Section XI as there is no need to examine every weld. Any code relief requests that may be required due to access restrictions and the need to examine a particular weld, will be made as that case arises.

The portion of the original Class 2 Weld Program submittal entitled "Table 2 - Components and Welds for Which Code Relief is Requested" did not list for code relief, four Unit 2 welds that are inaccessible. These welds are main steam penetration to pipe welds that are enclosed by a whip restraint. They were, however, correctly identified on Unit 1 which is identical to Unit 2 in this respect. The Unit 2 welds have been added to Table 2, and are also included in Attachment F, along with Unit 1 welds, for code relief in the first inspection interval.

Code relief requests for Class 2 welds and systems are listed in Attachments D, E and F. Attachments D and E (Table 2) list welds and systems for which code relief is requested during the four inspection intervals or the plant life. Welds with access restrictions or configurations that cannot be volumetrically examined with meaningful results are also listed in Attachment F specifically for the first inspection interval. Code relief for the first inspection interval is also being requested for some of the welds in systems listed on Table 2 based on the fact that they are moderate energy lines which operate as high energy lines less than 2% of the time. These systems are noted in the "Relief" column as 4. As indicated in our July 2, 1982 letter (AEP:NRC:00070F), it seems appropriate to request code relief for those lines that either have operating (as opposed to design) pressure and temperature values below the IWC-1220 exemption limits or that exceeded those limits but are excluded from postulated pipe break design

criteria. Since the relief request covers entire segments of systems the individual welds have not been listed.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,



R. S. Hunter  
Vice President

/os

cc: John E. Dolan - Columbus  
M. P. Alexich  
R. W. Jurgensen  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Charnoff  
Joe Williams, Jr.  
NRC Resident Inspector at Cook Plant - Bridgman

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ATTACHMENT A  
TO  
AEP:NRC:0070G



ATTACHMENT A

INTRODUCTORY INFORMATION AND ABBREVIATION LEGENDS

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

ASME SECTION XI WELD EXAMINATION PROGRAM

- A. The Weld Examination Program for Class 2 systems shall be conducted in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1974 edition through Summer 1975 Addenda, except for specific relief requested in accordance with 10 CFR 50.55a(g) (iii) which is identified on page B-1.
- B. The Weld Examination Program was developed employing the classification guidelines contained in 10 CFR 50.2(v) for Quality Group A and Regulatory Guide 1.26, Revision 2, for Quality Groups B and C.
- C. Table 1, Components and Welds in Accordance with Code Requirements, identifies the following:

Heading

System - System Identification

Class - ASME Piping Classification

Flow Diagram Number

Columns

- 1. ISO - Isometric Piping Drawing Number
- 2. PRESS - Design pressure PSIG
- 3. TEMP - Design temperature °F
- 4. Size - Pipe size, inches
- 5. WELD - Identification number of weld
- 6. COMP - Component description: Legends listed Figure 2 on page A-5
- 7. COMP # - Component or Hanger Number: Identification number of name of component.





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Attachment A to  
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8. IWC-1220 - Section XI, IWC-1220, Exempted Components: See Section IX of the ASME Boiler and Pressure Vessel Code, 1974 Edition, for definition of each code exemption
9. CATEG - Section XI, IWC-2520, Categories
10. IWC-2600 - Section XI Component, Parts, and Methods of Examination - Table IWC-2600, Item No.
11. REMARKS - Piping run limits, if any, examination notes, and other remarks.

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Attachment A to

AEP:NRC:00070G

INTRODUCTORY INFORMATION AND ABBREVIATION LEGENDS

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

SECTION XI DETERMINED TO BE IMPRACTICAL

Table 2 identifies those welds and support components for which relief from the examination requirements of Subsection IWC of Section XI (1974 Edition of the ASME Boiler and Pressure Vessel Code through the Summer 1975 Addenda) are requested, in accordance with 10 CFR 50.55a(g) .(5) (iii).

Table 2 identifies the following:

Heading

System - System identification

Class - ASME Piping Classification

Flow Diagram Number

Columns

1. ISO - Isometric Piping Drawing Number
2. System Function - A brief description of the function of the line within the system
3. Size - Nominal pipe size
4. Weld - Identification number of weld
5. Comp - Component description. Legend listed Figure 2 on page A-5
6. Comp # - Component or hanger number or name
7. IWC2520 - Section XI, IWC-2520, Categories
8. Relief - Identification of the basis for code relief relating to the method of examination listed in Column IWC-2520. Code relief legend listed Figure 3 on page A-6
9. Alt - Identifies examination to be performed in lieu of the method of examination listed in Column IWC-2520. Examination abbreviations listed Figure 4 on page A-7
10. Remarks - Explanation of code relief.

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Attachment A to  
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FIGURE 1

WELD EXAMINATION PROGRAM INDEX AND MATRIX FOR TABLES 1 & 2

SYSTEM	FLOW DIAGRAM	TABLE 1	TABLE 2
COMPONENT COOLING	5135	x	
COMPONENT COOLING	5135B	x	
COMPRESSED AIR	5120B	x	
CONTAINMENT PENETRATION & WELD CHANNEL PRESSURIZATION	5145	x	
CONTAINMENT SPRAY	5144	x	x
CONTAINMENT VENTILATION	5147A	x	
CVCS - REACTOR LETDOWN & CHARGING	5129	x	x
CVCS - REACTOR LETDOWN & CHARGING	5129A	x	
EMERGENCY CORE COOLING	5142	x	
EMERGENCY CORE COOLING (RHR)	5143	x	x
FEEDWATER	5106	x	x
FEEDWATER	5106A	x	
ICE CONDENSER REFRIGERATION	5146A	x	
ICE CONDENSER REFRIGERATION	5146B	x	
MAIN STEAM	5105	x	x
MAKE-UP WATER & PRIMARY WATER	5115A	x	
NON-ESSENTIAL SERVICE WATER	5114A	x	
NUCLEAR SAMPLING	5141	x	
NUCLEAR SAMPLING	5141A	x	
NUCLEAR SAMPLING	5141B	x	
SPENT FUEL POOL COOLING & CLEAN-UP (Unit 1 only)	5136	x	
STATION DRAINAGE CONTAINMENT	5124	x	
REACTOR COOLANT	5128A	x	
WDS VENTS & DRAINS	5137A	x	



FIGURE 2

COMPONENT LEGEND FOR TABLES 1 & 2

---

A	Anchor
B	Branch
C	Cap
EL	Elbow
F	Flange
H	Hanger
HX	Heat Exchanger
N	Nozzle
P	Pipe
PN	Containment Penetration
PV	Pressure Vessel
R	Restraint
RD	Reducer
S	Support for Valve, Pump, etc.
SA	Saddle
SE	Safe End
SG	Steam Generator
T	Thermal Sleeve
TE	Tee
V	Valve
VE	Vessel

---

QCR, GRV, ICM, IMO and MRV are valve designations.



FIGURE 3

LEGEND FOR COLUMN "RELIEF" OF TABLE 2 IDENTIFYING EXAMINATIONS  
FOR WHICH CODE RELIEF IS BEING REQUESTED

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EX 2A.	Configuration does not permit volumetric examination. Alternate is surface examination. See Sketch A.
EX 3	Examination not possible due to physical inaccessibility. See Sketch A and B.
EX 4	Due to NRC criteria, Standard Review Plan, MEB 3-1, paragraph B.2.e, footnote 6, (page 3.6.2-14). System qualifies as a moderate energy fluid system, since the time that it operates as a high-energy fluid system is about 2% of the time that it operates as a moderate- energy fluid system.

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FIGURE 4

LEGEND FOR ABBREVIATIONS USED IN COLUMN "ALT" OF TABLE 2  
IDENTIFYING THE "IN LIEU OF" EXAMINATION TO BE PERFORMED

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SUR	Surface Examination
VOL	Volumetric Examination
VIS	Visual Examination during hydrostatic pressure test of circumferential and longitudinal pipe welds; visual examination of support integrity for pipe supports.
NNN	No alternate examination.

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FIGURE 5

ABBREVIATIONS FOR TABLES 1 and 2 "REMARKS" AND "SYSTEM FUNCTION"

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accum	accumulator	MS	main steam
aux	auxiliary	nozz	nozzle
cav	cavity	pen	penetration
charg	charging	pu	pump
chem	chemical	RC	reactor coolant
con	control	recirc	recirculating
conn	connection	refuel	refueling
cont	containment	resid	residual
CPN	containment penetration	rest ring	restraint ring
config	configuration	RHR	residual heat removal
cool	cooling	RH	ring header
CP	charging pump	sad	saddle
CTS	containment spray	SG	steam generator
dem	demineralizer	SFP	spent fuel pool
disc	discharge	SH	supply header
dr	drain	SI	safety injection
FW	feedwater	suct	suction
fr	from	su	sump
hd	head	VCT	volume control tank
head	header	vol	volumetric
HX	heat exchanger	vt	vent
in	inlet	ws	water storage

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FIGURE 6

CODE FOR REMARKS COLUMN TABLE 1

- |                |                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Exempt "c"  | Originally exempted from examination by Section XI - 74, IWC-1220, (c) [chemistry control of fluid]. These systems are to be added to ISI weld examination program. |
| 2. To be added | Re-evaluation indicates that a previously claimed exemption does not apply. System or portion of system is to be added to weld examination program.                 |



ATTACHMENT B  
TO  
AEP:NRC:0070G



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Attachment B To

AEP:NRC:00070G

Rev. 1 7/15/82

System MAIN STEAM

Class 2

Flow Diagram No. 5105

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-BD-500	1085	600	2	ALL		ALL	d		
1-BD-501	1085	600	2	ALL		ALL	d		
1-BD-502	1085	600	2	ALL		ALL	d		
1-BD-503	1085	600	2	ALL		ALL	d		
1-BD-512	1085	600	2	ALL		ALL	d		
1-BD-513	1085	600	2	ALL		ALL	d		Up to DRV-311 and DRV-312
1-BD-514	1085	600	2	ALL		ALL	d		Up to DRV-331 and DRV-332
1-BD-524	1085	600	2	ALL		ALL	d		Up to DRV-341 and DRV-342
1-MS-1	1085	570	32	01F	N-EL	SG 1			Up to DRV-321 and DRV-322
1-MS-1	1085	570	32	02S	EL-P		C-G	C2.1	
1-MS-1	1085	570	—		R	MSR-1	C-G	C2.1	
1-MS-1	1085	570	32	03S	P-EL		C-E-2	C2.6	
1-MS-1	1085	570	32	04S	ELRD		C-G	C2.1	
1-MS-1	1085	570	—		R	MSR-2	C-G	C2.1	
1-MS-1	1085	570	30	05F	RD-P		C-E-2	C2.6	
1-MS-1	1085	570	—		R	MSR-3	C-G	C2.1	
1-MS-1	1085	570	30	06F	P-P		C-E-2	C2.6	
1-MS-1	1085	570	—		R	MSR-4	C-G	C2.1	
1-MS-1	1085	570	—		R	MSR-5	C-E-2	C2.6	
1-MS-1	1085	570	30	07S	P-EL		C-E-2	C2.6	
1-MS-1	1085	570	30	08S	ELEL		C-G	C2.1	
1-MS-1	1085	570	30	09F	EL-P		C-G	C2.1	
1-MS-1	1085	570	—		H	MSH-1	C-G	C2.1	
1-MS-1	1085	570	—		H	MSS-1	C-E-1,2	C2.5,6	
1-MS-1	1085	570	—		H	MSS-2	C-E-1,2	C2.5,6	
1-MS-1	1085	570	—		R	RESTRAINT	C-E-1,2	C2.5,6	
1-MS-1	1085	570	—		R	RESTRAINT	C-E-2	C2.6	
1-MS-1	1085	570	1.5	13F	P-P		C-E-2	C2.6	
1-MS-1	1085	570	1.5	14F	P-P		d		
1-MS-1	1085	570	2	15F	P-P		d		
1-MS-1	1085	570	2	16F	P-P		d		
1-MS-1	1085	570	2	17S	P-EL		d		
1-MS-1	1085	570	2	18S	EL-P		d		
1-MS-1	1085	570	2	19S	P-EL		d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM		Class 2		Flow Diagram No. 5105		Rev. 1 7/15/82		
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-MS-1	1085	570	2	20S	EL-V		d		
1-MS-1	1085	570	0.75	21F	P-P		d		
1-MS-1	1085	570	0.75	22F	P-V		d		
1-MS-1	1085	570	0.75	23F	P-P		d		
1-MS-1	1085	570	0.75	24F	P-V		d		
1-MS-1			52	11S	PN	CPN-2	C-E-1	C2.5	
1-MS-10	1085	570	32	01F	N-EL	SG 3	C-G	C2.1	
1-MS-10	1085	570	32	02S	EL-P		C-G	C2.1	
1-MS-10	1085	570	—		R	MSR-11	C-E-2	C2.6	
1-MS-10	1085	570	32	03S	P-EL		C-G	C2.1	
1-MS-10	1085	570	32	04S	P-RD		C-G	C2.1	
1-MS-10	1085	570	—		R	MSR-12	C-E-2	C2.6	
1-MS-10	1085	570	30	05F	RD-P		C-G	C2.1	
1-MS-10	1085	570	—		R	MSR-13	C-3-2	C2.6	
1-MS-10	1085	570	—		R	MSR-14	C-E-2	C2.6	
1-MS-10	1085	570	30	06F	P-P		C-G	C2.1	
1-MS-10	1085	570	—		R	MSR-15	C-E-2	C2.6	
1-MS-10	1085	570	30	07S	P-EL		C-G	C2.1	
1-MS-10	1085	570	—		H	MSH-3	C-E-1,2	C2.5,6	
1-MS-10	1085	570	—		H	MSS-6	C-E-1,2	C2.5,6	
1-MS-10	1085	570	—		H	MSS-5	C-E-1,2	C2.5,6	
1-MS-10	1085	570	—		R	Restraint	C-E-2	C2.6	
1-MS-10	1085	570	—		R	Restraint	C-E-2	C2.6	
1-MS-10	1085	570	1.5	12F	P-P		d		
1-MS-10	1085	570	1.5	13F	P-P		d		
1-MS-10	1085	570	2	14F	P-P		d		
1-MS-10	1085	570	2	15F	P-P		d		
1-MS-10	1085	570	2	16S	P-EL		d		
1-MS-10	1085	570	2	17S	EL-P		d		
1-MS-10	1085	570	2	18S	P-EL		d		
1-MS-10	1085	570	2	19S	EL-V		d		
1-MS-10	1085	570	0.75	20F	P-P		d		
1-MS-10	1085	570	0.75	21S	P-V		d		
1-MS-10	1085	570	0.75	22F	P-P		d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM				Class 2	Flow Diagram No. 5105				Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-MS-10	1085	570	0.75	23S	P-V		d			
1-MS-10			52	10S	PN	CPN-4	C-E-1	C2.5		
1-MS-10	1085	570	30	08F	EL-P		C-G	C2.1		
1-MS-11	1085	570	30	01F	PN	CPN-4	C-E-1	C2.5		
1-MS-11	1085	570	30	02F	PN-P	CPN-4	C-G	C2.1		
1-MS-11	1085	570	30	03S	P-TE		C-G	C2.1		
1-MS-11	1085	570	30	04F	P-V	MRV-230	C-G	C2.1		
1-MS-11	1085	570	30	05F	TE-P		C-G	C2.1		
1-MS-11	1085	570	30	06S	P-TE		C-G	C2.1		
1-MS-11	1085	570	30	07S	TE-P		C-G	C2.1		
1-MS-11	1085	570	—		R	Restraint	C-E-2	C2.6		
1-MS-11	1085	570	30	08S	P-C		C-G	C2.1		
1-MS-11	1085	570	30	09S	TE-P		C-G	C2.1		
1-MS-11	1085	570	—		R	Restraint	C-E-2	C2.6		
1-MS-11	1085	570	30	10S	P-C		C-G	C2.1		
1-MS-11	1085	570	6	11S	P-F		C-G	C2.1		
1-MS-11	1085	570	6	12S	P-F		C-G	C2.1		
1-MS-11	1085	570	6	13S	P-F		C-G	C2.1		
1-MS-11	1085	570	6	14S	P-F		C-G	C2.1		
1-MS-11	1085	570	6	15S	P-F		C-G	C2.1		
1-MS-11	1085	570	1	16F	P-P		d			
1-MS-11	1085	570	1	17S	P-V		d			
1-MS-11	1085	570	1	18F	P-P		d			
1-MS-11	1085	570	1	19S	P-V		d			
1-MS-11	1085	570	1	20F	P-P		d			
1-MS-11	1085	570	1	21S	P-EL		d			
1-MS-11	1085	570	1	22F	EL-V		d			
1-MS-11	1085	570	—		S	Support	C-E-2	C2.6	Line support	
1-MS-11	1085	570	—		S	Support	C-E-2	C2.6	Line support	
1-MS-11	1085	570	6	26	P-P		C-G	C2.1		
1-MS-14	1085	570	32	01F	N-EL	SG 4	C-G	C2.1		
1-MS-14	1085	570	32	02S	EL-P		C-G	C2.1		
1-MS-14	1085	570	—		R	MSR-16	C-E-2	C2.6		
1-MS-14	1085	570	32	03S	P-EL		C-G	C2.1		





D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM				Class 2		Flow Diagram No.	5105		Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-MS-14	1085	570	32	04S	ELRD		C-G	C2.1		
1-MS-14	1085	570	—		R	MSR-17	C-E-2	C2.6		
1-MS-14	1085	570	30	05F	RD-P		C-G	C2.1		
1-MS-14	1085	570	—		R	MSR-18	C-E-2	C2.6		
1-MS-14	1085	570	30	06F	P-P		C-G	C2.1		
1-MS-14	1085	570	—		R	MSR-19	C-E-2	C2.6		
1-MS-14	1085	570	—		R	MSR-20	C-E-2	C2.6		
1-MS-14	1085	570	30	07S	P-EL		C-G	C2.1		
1-MS-14	1085	570	—		H	MSH-4	C-E-1,2	C2.5,6		
1-MS-14	1085	570	30	08F	EL-P		C-G	C2.1		
1-MS-14	1085	570	—		H	MSS-8	C-E-1,2	C2.5,6		
1-MS-14	1085	570	—		H	MSS-7	C-E-1,2	C2.5,6		
1-MS-14	1085	570	—		R	Restraint	C-E-2	C2.6		
1-MS-14	1085	570	—		R	Restraint	C-E-2	C2.6		
1-MS-14	1085	570	1.5	12F	P-P		d			
1-MS-14	1085	570	1.5	13F	P-P		d			
1-MS-14	1085	570	2	14F	P-P		d			
1-MS-14	1085	570	2	15F	P-P		d			
1-MS-14	1085	570	2	16S	P-EL		d			
1-MS-14	1085	570	2	17S	EL-P		d			
1-MS-14	1085	570	2	18S	P-EL		d			
1-MS-14	1085	570	2	19S	EL-V		d			
1-MS-14	1085	570	0.75	20F	P-P		d			
1-MS-14	1085	570	0.75	21S	P-V		d			
1-MS-14	1085	570	0.75	22F	P-P		d			
1-MS-14	1085	570	0.75	23S	P-V		d			
1-MS-14			52	10S	PN	CPN-5	C-E-1	C2.5		
1-MS-15	1085	570	30	01F	PN	CPN-5	C-E-1	C2.5		
1-MS-15	1085	570	30	02F	PN-P	CPN-5	C-G	C2.1		
1-MS-15	1085	570	30	03S	P-TE		C-G	C2.1		
1-MS-15	1085	570	30	04F	TE-V	MRV-240	C-G	C2.1		
1-MS-15	1085	570	30	05F	TE-P		C-G	C2.1		
1-MS-15	1085	570	—		S	Support	C-E-2	C2.6	Line support	
1-MS-15	1085	570	30	06S	P-TE		C-G	C2.1		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM				Class 2		Flow Diagram No. 5105		Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-MS-15	1085	570	—		S	Support	C-E-2	C2.6	Line support
1-MS-15	1085	570	30	07S	TE-P		C-G	C2.1	
1-MS-15	1085	570	—		R	Restraint	C-E-2	C2.6	
1-MS-15	1085	570	30	08S	P-C		C-G	C2.1	
1-MS-15	1085	570	30	09S	TE-P		C-G	C2.1	
1-MS-15	1085	570	—		R	Restraint	C-E-2	C2.6	
1-MS-15	1085	570	30	10S	P-C		C-G	C2.1	
1-MS-15	1085	570	6	11S	P-F		C-G	C2.1	
1-MS-15	1085	570	6	12S	P-F		C-G	C2.1	
1-MS-15	1085	570	6	13S	P-F		C-G	C2.1	
1-MS-15	1085	570	6	14S	P-F		C-G	C2.1	
1-MS-15	1085	570	6	15S	P-F		C-G	C2.1	
1-MS-15	1085	570	1	16F	P-P		d		
1-MS-15	1085	570	1	17S	P-V		d		
1-MS-15	1085	570	1	18F	P-P		d		
1-MS-15	1085	570	1	19S	EL-V		d		
1-MS-15	1085	570	1	20F	P-P		d		
1-MS-15	1085	570	1	21S	P-V		d		
1-MS-15	1085	570	1	22	P-EL		d		
1-MS-15	1085	570	6	23	N-P		C-G	C2.1	
1-MS-15	1085	570	—		S	Support	C-E-2	C2.6	Line support
1-MS-15	1085	570	—		S	Support	C-E-2	C2.6	Line support
1-MS-189	1085	570	6	01S	EL-P		C-G	C2.1	
1-MS-189	1085	570	6	02S	P-EL		C-G	C2.1	
1-MS-189	1085	570	6	03S	EL-P		C-G	C2.1	
1-MS-189	1085	570	6	04F	P-EL		C-G	C2.1	
1-MS-189	1085	570	6	05S	EL-P		C-G	C2.1	
1-MS-189	1085	570	6	06S	P-EL		C-G	C2.1	
1-MS-189	1085	570	6	07S	EL-P		C-G	C2.1	
1-MS-189	1085	570	6	08S	P-EL		C-G	C2.1	
1-MS-189	1085	570	—		H	1-GMS-V825	C-E-1,2	C2.5,6	
1-MS-189	1085	570	6	09F	EL-V	MSV-101-1	C-G	C2.1	
1-MS-189	1085	570	6	10F	V-P	MSV-101-1	C-G	C2.1	
1-MS-189	1085	570	6	11F	P-V	MRV-213	C-G	C2.1	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System MAIN STEAM				Class 2		Flow Diagram No. 5105			Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-MS-190	1085	570	6	01F	P-P		C-G	C2.1		
1-MS-190	1085	570	6	02S	P-EL		C-G	C2.1		
1-MS-190	1085	570	6	03S	EL-P		C-G	C2.1		
1-MS-190	1085	570	6	04F	P-EL		C-G	C2.1		
1-MS-190	1085	570	6	05S	EL-P		C-G	C2.1		
1-MS-190	1085	570	—		H	1-GMS-R837	C-E-1,2	C2.5,6		
1-MS-190	1085	570	6	06S	P-EL		C-G	C2.1		
1-MS-190	1085	570	—		H	1-GMS-L829	C-E-1,2	C2.5,6		
1-MS-190	1085	570	6	07S	EL-P		C-G	C2.1		
1-MS-190	1085	570	—		H	1-GMS-V828	C-E-2	C2.6		
1-MS-190	1085	570	6	08S	P-EL		C-G	C2.1		
1-MS-190	1085	570	6	09S	EL-P		C-G	C2.1		
1-MS-190	1085	570	6	10F	P-V	MSV-101-2	C-G	C2.1		
1-MS-190	1085	570	6	11F	V-P	MSV-101-2	C-G	C2.1		
1-MS-190	1085	570	6	12F	P-V	MRV-223	C-G	C2.1		
1-MS-191	1085	570	6	01F	TE-P		C-G	C2.1		
1-MS-191	1085	570	6	02S	P-EL		C-G	C2.1		
1-MS-191	1085	570	6	03S	EL-P		C-G	C2.1		
1-MS-191	1085	570	6	04F	P-EL		C-G	C2.1		
1-MS-191	1085	570	6	05S	EL-P		C-G	C2.1		
1-MS-191	1085	570	—		H	1-GMS-R836	C-E-1,2	C2.5,6		
1-MS-191	1085	570	6	06S	P-EL		C-G	C2.1		
1-MS-191	1085	570	—		H	1-GMS-L832	C-E-1,2	C2.5,6		
1-MS-191	1085	570	6	07S	EL-P		C-G	C2.1		
1-MS-191	1085	570	—		H	1-GMS-V831	C-E-2	C2.6		
1-MS-191	1085	570	6	08S	P-EL		C-G	C2.1		
1-MS-191	1085	570	6	09S	EL-P		C-G	C2.1		
1-MS-191	1085	570	6	10F	P-V	MSV-101-3	C-G	C2.1		
1-MS-191	1085	570	6	11F	V-P	MSV-101-3	C-G	C2.1		
1-MS-191	1085	570	6	12F	P-V	MRV-233	C-G	C2.1		
1-MS-191	1085	570	6	08S	P-EL		C-G	C2.1		
1-MS-192	1085	570	6	01F	TEEL		C-G	C2.1		
1-MS-192	1085	570	6	02S	EL-P		C-G	C2.1		
1-MS-192	1085	570	6	03S	P-EL		C-G	C2.1		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System MAIN STEAM			Class 2		Flow Diagram No. 5105			Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-MS-192	1085	570	6	04S	EL-P		C-G	C2.1	
1-MS-192	1085	570	6	05F	P-EL		C-G	C2.1	
1-MS-192	1085	570	6	06S	EL-P		C-G	C2.1	
1-MS-192	1085	570	6	07S	P-EL		C-G	C2.1	
1-MS-192	1085	570	6	08S	EL-P		C-G	C2.1	
1-MS-192	1085	570	6	09S	P-EL		C-G	C2.1	
1-MS-192	1085	570	—		H	1-GMS-V834	C-E-1,2	C2.5,6	
1-MS-192	1085	570	6	10F	EL-V	MSR-101-4	C-G	C2.1	
1-MS-192	1085	570	6	11F	V-P	MSR-101-4	C-G	C2.1	
1-MS-192	1085	570	6	12F	P-V	MRV-243	C-G	C2.1	
1-MS-2	1085	570	30	01F	PN	CPN-2	C-E-1	C2.5	
1-MS-2	1085	570	30	02F	PNTE	CPN-2	C-G	C2.1	
1-MS-2	1085	570	30	03F	TE-V	MRV-210	C-G	C2.1	
1-MS-2	1085	570	30	04F	TE-P		C-G	C2.1	
1-MS-2	1085	570	—		S	SUPPORT	C-E-2	C2.6	
1-MS-2	1085	570	30	05S	P-TE		C-G	C2.1	
1-MS-2	1085	570	—		S	SUPPORT	C-E-2	C2.6	
1-MS-2	1085	570	30	06S	TE-P		C-G	C2.1	
1-MS-2	1085	570	—		R	RESTRAINT	C-E-2	C2.6	
1-MS-2	1085	570	30	07S	P-C		C-G	C2.1	
1-MS-2	1085	570	30	08S	TE-P		C-G	C2.1	
1-MS-2	1085	570	—		R	RESTRAINT	C-E-2	C2.6	
1-MS-2	1085	570	30	09S	P-C		C-G	C2.1	
1-MS-2	1085	570	6	10F	P-EL		C-G	C2.1	
1-MS-2	1085	570	6	11S	P-F		C-G	C2.1	
1-MS-2	1085	570	6	12S	P-F		C-G	C2.1	
1-MS-2	1085	570	6	13S	P-F		C-G	C2.1	
1-MS-2	1085	570	6	14S	P-F		C-G	C2.1	
1-MS-2	1085	570	6	15S	P-F		C-G	C2.1	
1-MS-2	1085	570	1	16F	P-P		C-G	C2.1	
1-MS-2	1085	570	1	17S	P-V		d		
1-MS-2	1085	570	1	18F	P-P		d		
1-MS-2	1085	570	1	19S	P-V		d		
1-MS-2	1085	570	1	20F	P-P		d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM		Class 2	Flow Diagram No. 5105	Rev. 1 7/15/82				
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-MS-2	1085	570	1	21S	P-V		d		
1-MS-2	1085	570	1	22F	P-P		d		
1-MS-2	1085	570	6	23F	N-P			C-G	C2.1
1-MS-2	1085	570	—		S	SUPPORT		C-E-2	C2.6
1-MS-2	1085	570	—		S	SUPPORT		C-E-2	C2.6
1-MS-49	1085	570	4	ALL		ALL	d		Line support
1-MS-50	1085	570	4	ALL		ALL	d		Line support
1-MS-6	1085	570	32	01F	N-P	SG 2			Up to MS-108-2
1-MS-6	1085	570	32	02S	P-EL			C-G	Up to MCM-231
1-MS-6	1085	570	32	03S	EL-P			C-G	
1-MS-6	1085	570	—		R	MSR-6		C-G	
1-MS-6	1085	570	32	04S	P-EL			C-E-2	
1-MS-6	1085	570	32	05S	ELRD			C-G	
1-MS-6	1085	570	—		R	MSR-7		C-G	
1-MS-6	1085	570	30	06F	RD-P			C-E-2	
1-MS-6	1085	570	—		R	MSR-8		C-G	
1-MS-6	1085	570	30	07F	P-P			C-E-2	
1-MS-6	1085	570	—		R	MSR-9		C-G	
1-MS-6	1085	570	—		R	MSR-10		C-E-2	
1-MS-6	1085	570	30	08S	P-P			C-E-2	
1-MS-6	1085	570	—		H	MSH-2		C-G	
1-MS-6	1085	570	30	09F	P-P			C-E-1,2	
1-MS-6	1085	570	—		H	MSS-3		C-G	
1-MS-6	1085	570	—		H	MSS-4		C-E-1,2	
1-MS-6	1085	570	—		R	RESTRAINT		C-E-1,2	
1-MS-6	1085	570	—		R	RESTRAINT		C-E-2	
1-MS-6	1085	570	—		R	RESTRAINT		C-E-2	
1-MS-6	1085	570	1.5	13F	P-P		d		
1-MS-6	1085	570	1.5	14F	P-P		d		
1-MS-6	1085	570	2	15F	P-P		d		
1-MS-6	1085	570	2	16F	P-P		d		
1-MS-6	1085	570	2	17S	P-EL		d		
1-MS-6	1085	570	2	18S	EL-P		d		
1-MS-6	1085	570	2	19S	P-EL		d		
1-MS-6	1085	570	2	20S	EL-P		d		



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System MAIN STEAM			Class 2		Flow Diagram No. 5105			Rev. 1 7/15/82		
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-MS-6	1085	570	2	21S	P-V		d			
1-MS-6	1085	570	0.75	22F	P-P		d			
1-MS-6	1085	570	0.75	23S	P-V		d			
1-MS-6	1085	570	0.75	24F	P-P		d			
1-MS-6	1085	570	0.75	25S	P-V		d			
1-MS-6			52	11S	PN	CPN-3		C-E-1	C2.5	
1-MS-661	1085	570	2	ALL		ALL	d		Up to MS-109-1	
1-MS-662	1085	570	2	ALL		ALL	d		Up to MS-109-4	
1-MS-663	1085	570	2	ALL		ALL	d		Up to MS-110-2 and MS-109-2	
1-MS-664	1085	570	2	ALL		ALL	d		Up to MS-109-3	
1-MS-7	1085	570	30	01F	PN	CPN-3		C-E-1	C2.5	
1-MS-7	1085	570	30	02F	PN-P	CPN-3		C-G	C2.1	
1-MS-7	1085	570	30	03S	P-TE			C-G	C2.1	
1-MS-7	1085	570	30	04F	TE-V	MRV-220		C-G	C2.1	
1-MS-7	1085	570	30	05F	TE-P			C-G	C2.1	
1-MS-7	1085	570	30	06S	P-TE			C-G	C2.1	
1-MS-7	1085	570	30	07S	TE-P			C-G	C2.1	
1-MS-7	1085	570	—		R	RESTRAINT		C-E-2	C2.6	
1-MS-7	1085	570	30	08S	P-C			C-G	C2.1	
1-MS-7	1085	570	30	09S	TE-P			C-G	C2.1	
1-MS-7	1085	570	—		R	RESTRAINT		C-E-2	C2.6	
1-MS-7	1085	570	30	10S	P-C			C-G	C2.1	
1-MS-7	1085	570	6	11S	P-F			C-G	C2.1	
1-MS-7	1085	570	6	12S	P-F			C-G	C2.1	
1-MS-7	1085	570	6	13S	P-F			C-G	C2.1	
1-MS-7	1085	570	6	14S	P-F			C-G	C2.1	
1-MS-7	1085	570	6	15S	P-F			C-G	C2.1	
1-MS-7	1085	570	1	16F	P-P		d			
1-MS-7	1085	570	1	17S	P-V		d			
1-MS-7	1085	570	1	18F	P-P		d			
1-MS-7	1085	570	1	19S	P-V		d			
1-MS-7	1085	570	1	20F	P-P		d			
1-MS-7	1085	570	1	21S	P-EL		d			
1-MS-7	1085	570	6	22F	P-P			C-G	C2.1	





D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	MAIN STEAM			Class 2		Flow Diagram No.		5105		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS		
1-MS-7	1085	570	—		S	SUPPORT	C-E-2	C2.6	Line support		
1-MS-7	1085	570	—		S	SUPPORT	C-E-2	C2.6	Line support		
1-MS-7	1085	570	1	41	EL-V		d				



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
BLI-110,V1	1085	600	0.75	ALL		ALL	d		
BLI-120,V1	1085	600	0.75	ALL		ALL	d		
BLI-130,V1	1085	600	0.75	ALL		ALL	d		
BLI-140,V1	1085	600	0.75	ALL		ALL	d		
BLP-110,V1	1085	600	0.75	ALL		ALL	d		
BLP-110,V2	1085	600	0.75	ALL		ALL	d		
BLP-111,V1	1085	600	0.75	ALL		ALL	d		
BLP-111,V2	1085	600	0.75	ALL		ALL	d		
BLP-112,V1	1085	600	0.75	ALL		ALL	d		
BLP-112,V2	1085	600	0.75	ALL		ALL	d		
BLP-120,V1	1085	600	0.75	ALL		ALL	d		
BLP-120,V2	1085	600	0.75	ALL		ALL	d		
BLP-121,V1	1085	600	0.75	ALL		ALL	d		
BLP-121,V2	1085	600	0.75	ALL		ALL	d		
BLP-122,V1	1085	600	0.75	ALL		ALL	d		
BLP-122,V2	1085	600	0.75	ALL		ALL	d		
BLP-130,V1	1085	600	0.75	ALL		ALL	d		
BLP-130,V2	1085	600	0.75	ALL		ALL	d		
BLP-131,V1	1085	600	0.75	ALL		ALL	d		
BLP-131,V2	1085	600	0.75	ALL		ALL	d		
BLP-132,V1	1085	600	0.75	ALL		ALL	d		
BLP-132,V2	1085	600	0.75	ALL		ALL	d		
BLP-140-V2	1085	600	0.75	ALL		ALL	d		
BLP-140,V1	1085	600	0.75	ALL		ALL	d		
BLP-141,V1	1085	600	0.75	ALL		ALL	d		
BLP-141,V2	1085	600	0.75	ALL		ALL	d		
BLP-142,V1	1085	600	0.75	ALL		ALL	d		
BLP-142,V2	1085	600	0.75	ALL		ALL	d		
1-CF-519	1085	600	0.5	ALL		ALL	d		From CF-122 to feedwater
1-CF-520	1085	600	0.5	ALL		ALL	d		From CF-123 to feedwater
1-CF-521	1085	600	0.5	ALL		ALL	d		Fr CF-124 to feedwater
1-CF-522	1085	600	0.5	ALL		ALL	d		From CF-125 to feedwater
1-FW-10	1170	440	14	01F	V-P	FMO-203	C-G	C2.1	
1-FW-10	1170	440	14	02S	P-EL		C-G	C2.1	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82			
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-10	1170	440	—		R	1-GFW-L141	C-E-1,2	C2.5,6	
1-FW-10	1170	440	14	03S	EL-P		C-G	C2.1	
1-FW-10	1170	440	14	04S	P-EL		C-G	C2.1	
1-FW-10	1170	440	14	05F	EL-P		C-G	C2.1	
1-FW-10	1170	440	14	06S	P-EL		C-G	C2.1	
1-FW-10	1170	440	14	07S	EL-P		C-G	C2.1	
1-FW-10	1170	440	—		H	1-GFW-V142	C-E-2	C2.6	
1-FW-10	1170	440	—		H	1-GFW-L867	C-E-2	C2.6	
1-FW-10	1170	440	14	08F	P-P		C-G	C2.1	
1-FW-10	1170	440	14	09F	P-P		C-G	C2.1	
1-FW-10	1170	440	—		H	1-GFW-V143	C-E-2	C2.6	
1-FW-10	1170	440	14	10S	P-EL		C-G	C2.1	
1-FW-10	1170	440	14	11F	EL-EL		C-G	C2.1	
1-FW-10	1170	440	14	12S	EL-P		C-G	C2.1	
1-FW-10	1170	440	—		H	1-GFW-L144	C-E-1,2	C2.5,6	
1-FW-10	1170	440	14	13F	P-P		C-G	C2.1	
1-FW-10	1170	440	—		H	1-GFW-V145	C-E-1,2	C2.5,6	
1-FW-10	1170	440	—		H	1-GFW-L868	C-E-1,2	C2.5,6	
1-FW-10	1170	440	—		H	1-GFW-S854	C-E-1,2	C2.5,6	
1-FW-10	1170	440	14	14S	P-EL		C-G	C2.1	
1-FW-10	1170	440	14	15F	EL-P		C-G	C2.1	
1-FW-10	1170	440	14	16S	P-EL		C-G	C2.1	
1-FW-10	1170	440	14	17S	EL-P		C-G	C2.1	
1-FW-10	1170	440	14	18F	P-P		C-G	C2.1	
1-FW-10	1170	440	—		R	Restraint	C-E-2	C2.6	
1-FW-10	1170	440	14	19F	P-V	FW-118-3	C-G	C2.1	
1-FW-10	1085	600	14	20F	V-P	FW-118-3	C-G	C2.1	
1-FW-10	1085	600	14	21F	P-PN	CPN-9	C-G	C2.1	
1-FW-10	1085	600	14	22F	PN	CPN-9	C-E-1	C2.5	
1-FW-10	1170	440	1	23F	P-P		d		
1-FW-10	1170	440	1	24F	P-V		d		
1-FW-10	1170	440	0.75	25F	P-P		d		
1-FW-10	1170	440	0.75	26F	P-EL		d		
1-FW-10	1170	440	0.75	27F	EL-P		d		

D. C. COOK NUCLEAR T, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106				Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS		
1-FW-10	1170	440	0.75	28F	P-V		d				
1-FW-10	1170	440	0.75	29F	P-P		d				
1-FW-10	1170	440	0.75	30F	P-EL		d				
1-FW-10	1170	440	0.75	31F	EL-P		d				
1-FW-10	1170	440	0.75	32S	P-V		d				
1-FW-10	1170	440	0.75	33F	P-P		d				
1-FW-10	1170	440	0.75	34F	P-EL		d				
1-FW-10	1170	440	0.75	35F	EL-P		d				
1-FW-10	1170	440	0.75	36F	P-V		d				
1-FW-10	1170	440	0.75	37F	P-P		d				
1-FW-10	1170	440	0.75	38F	P-V		d				
1-FW-10	1170	440	1	39F	P-B		d				
1-FW-10	1170	440	1	40F	P-V		d				
1-FW-10	1170	440	1.25	41F	P-B		d				
1-FW-10	1170	440	1.25	42F	P-P		d				
1-FW-10	1170	440	1.25	43F	P-P		d				
1-FW-10	1170	440	1	47	P-EL		d				
1-FW-10	1170	440	1	48	EL-P		d				
1-FW-11	1085	600	14	02F	PN	CPN-9	C-G	C2.1			
1-FW-11	1085	600	14	03F	PN-R	CRN-9	C-G	C2.1			
1-FW-11	1085	600	14	04S	P-EL		C-G	C2.1			
1-FW-11	1085	600	14	05S	EL-P		C-G	C2.1			
1-FW-11	1085	600	—		R	1-FWR-12	C-E-2	C2.6			
1-FW-11	1085	600	14	06F	P-EL		C-6	C2.1			
1-FW-11	1085	600	14	07S	EL-P		C-G	C2.1			
1-FW-11	1085	600	—		H	1-FWS-9	C-E-2	C2.6			
1-FW-11	1085	600	14	08F	P-EL		C-G	C2.1			
1-FW-11	1085	600	—		H	1-FWH-3	C-E-2	C2.6			
1-FW-11	1085	600	14	09S	EL-P		C-G	C2.1			
1-FW-11	1085	600	—		H	1-FWS-7	C-E-1,2	C2.5,6			
1-FW-11	1085	600	—		H	1-FWS-8	C-E-1,2	C2.5,6			
1-FW-11	1085	600	—		R	1-FWR-11	C-E-2	C2.6			
1-FW-11	1085	600	14	10S	P-EL		C-G	C2.1			
1-FW-11	1085	600	14	11F	EL-P		C-G	C2.1			

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-11	1085	600	—		R	1-FWR-10	C-E-2	C2.6	
1-FW-11	1085	600	—		R	1-FWR-9	C-E-2	C2.6	
1-FW-11	1085	600	14	12F	P-RD		C-G	C2.1	
1-FW-11	1085	600	16	13S	RD-P		C-G	C2.1	
1-FW-11	1085	600	16	14F	EL-N	SG3	C-G	C2.1	
1-FW-11	1085	600	1	15F	P-P		d		
1-FW-11	1085	600	1	16F	P-P		d		
1-FW-11	1085	600	1	17F	P-V		d		
1-FW-12	1170	440	14	01F	V-P	FMO-202	C-G	C2.1	
1-FW-12	1170	440	14	02S	P-EL		C-G	C2.1	
1-FW-12	1170	440	—		H	1-GFW-L147	C-E-1,2	C2.5,6	
1-FW-12	1170	440	14	03S	EL-P		C-G	C2.1	
1-FW-12	1170	440	14	04S	P-EL		C-G	C2.1	
1-FW-12	1170	440	14	05S	EL-P		C-G	C2.1	
1-FW-12	1170	440	14	06S	P-EL		C-G	C2.1	
1-FW-12	1170	440	14	07F	EL-P		C-G	C2.1	
1-FW-12	1170	440	—		H	1-GFW-L851	C-E-1,2	C2.5,6	
1-FW-12	1170	440	—		H	1-GFW-V148	C-E-1,2	C2.5,6	
1-FW-12	1170	440	14	08F	P-P		C-G	C2.1	
1-FW-12	1170	440	14	09F	P-P		C-G	C2.1	
1-FW-12	1170	440	—		H	1-GFW-R827	C-E-1,2	C2.5,6	
1-FW-12	1170	440	—		H	1-GFW-S852	C-E-1,2	C2.5,6	
1-FW-12	1170	440	14	10F	P-EL		C-G	C2.1	
1-FW-12	1170	440	14	11S	EL-P		C-G	C2.1	
1-FW-12	1170	440	—		H	1-GFW-V828	C-E-1,2	C2.5,6	
1-FW-12	1170	440	14	12S	P-EL		C-G	C2.1	
1-FW-12	1170	440	14	13F	EL-P		C-G	C2.1	
1-FW-12	1170	440	14	14S	P-EL		C-G	C2.1	
1-FW-12	1170	440	14	15F	EL-P		C-G	C2.1	
1-FW-12	1170	440	—		R	RESTRAINT	C-E-2	C2.6	
1-FW-12	1170	440	14	16F	P-V	FW-118-2	C-G	C2.1	
1-FW-12	1085	600	14	17F	V-P	FW-118-2	C-G	C2.1	
1-FW-12	1085	600	14	18F	P-PN	CPN-8	C-G	C2.1	
1-FW-12	1085	600	14	19F	PN	CPN-8	C-E-1	C2.5	





D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82			
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-12	1170	440	1	20F	P-P		d		
1-FW-12	1170	440	1	21F	P-V		d		
1-FW-12	1170	440	0.75	22F	P-P		d		
1-FW-12	1170	440	0.75	23S	P-EL		d		
1-FW-12	1170	440	0.75	24S	EL-V		d		
1-FW-12	1170	440	0.75	25F	P-P		d		
1-FW-12	1170	440	0.75	26S	P-EL		d		
1-FW-12	1170	440	0.75	27S	EL-V		d		
1-FW-12	1170	440	0.75	28F	P-P		d		
1-FW-12	1170	440	0.75	29S	P-EL		d		
1-FW-12	1170	440	0.75	30S	EL-V		d		
1-FW-12	1170	440	0.75	31F	P-P		d		
1-FW-12	1170	440	0.75	32S	P-EL		d		
1-FW-12	1170	440	0.75	33S	EL-V		d		
1-FW-12	1170	440	1	34F	P-P		d		
1-FW-12	1170	440	1	35F	P-V		d		
1-FW-12	1170	440	1.25	36F	P-P		d		
1-FW-12	1170	440	1.25	37F	P-P		d		
1-FW-12	1170	440	1.25	38F	P-P		d		
1-FW-12	1170	440	1	42	P-EL		d		
1-FW-12	1170	440	1	43	EL-P		d		
1-FW-13	1085	600	14	02F	PN	CPN-8	C-G	C2.1	
1-FW-13	1085	600	14	03F	PN-P	CPN-8	C-G	C2.1	
1-FW-13	1085	600	14	04S	P-EL		C-G	C2.1	
1-FW-13	1085	600	14	05S	EL-P		C-G	C2.1	
1-FW-13	1085	600	—		R	1-FWR-8	C-E-2	C2.6	
1-FW-13	1085	600	14	06F	P-EL		C-G	C2.1	
1-FW-13	1085	600	14	07S	EL-P		C-G	C2.1	
1-FW-13	1085	600	—		H	1-FWS-6	C-E-2	C2.6	
1-FW-13	1085	600	—		H	1-FWS-5	C-E-2	C2.6	
1-FW-13	1085	600	—		H	1-FWH-2	C-E-2	C2.6	
1-FW-13	1085	600	14	08F	P-EL		C-G	C2.1	
1-FW-13	1085	600	14	09S	EL-P		C-G	C2.1	
1-FW-13	1085	600	—		H	1-FWS-4	C-E-1,2	C2.5,6	

D. C. COOK NUCLEAR UNIT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106				Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS		
1-FW-13	1085	600	—		R	1-FWR-7	C-E-2	C2.6			
1-FW-13	1085	600	14	10S	P-EL		C-G	C2.1			
1-FW-13	1085	600	14	11F	EL-P		C-G	C2.1			
1-FW-13	1085	600	—		R	1-FWR-5	C-E-2	C2.6			
1-FW-13	1085	600	14	12F	P-RD		C-G	C2.1			
1-FW-13	1085	600	16	13S	RD-P		C-G	C2.1			
1-FW-13	1085	600	16	14F	EL-N	SG 2	C-G	C2.1			
1-FW-13	1085	600	1	15F	P-P		d				
1-FW-13	1085	600	1	16F	P-P		d				
1-FW-13	1085	600	1	17F	P-V		d				
1-FW-15	1170	440	14	01F	V-P	FMO-201	C-G	C2.1			
1-FW-15	1170	440	14	02S	P-EL		C-G	C2.1			
1-FW-15	1170	440	—		H	1-GFW-R800	C-E-1,2	C2.5,6			
1-FW-15	1170	440	14	03S	EL-P		C-G	C2.1			
1-FW-15	1170	440	—		H	1-GFW-S866	C-E-2	C2.6			
1-FW-15	1170	440	—		H	1-GFW-S862	C-E-2	C2.6			
1-FW-15	1170	440	14	04S	P-EL		C-G	C2.1			
1-FW-15	1170	440	14	05F	EL-P		C-G	C2.1			
1-FW-15	1170	440	—		H	1-GFW-V801	C-E-2	C2.6			
1-FW-15	1170	440	14	06F	P-P		C-G	C2.1			
1-FW-15	1170	440	—		H	1-GFW-L802	C-E-2	C2.6			
1-FW-15	1170	440	14	07F	P-P		C-G	C2.1			
1-FW-15	1170	440	14	08F	P-P		C-G	C2.1			
1-FW-15	1170	440	14	09S	P-EL		C-G	C2.1			
1-FW-15	1170	440	14	10F	EL-P		C-G	C2.1			
1-FW-15	1170	440	—		R	Restraint	C-E-2	C2.6			
1-FW-15	1170	440	14	11F	P-V	FW-118-1	C-G	C2.1			
1-FW-15	1085	600	14	12F	V-P	FW-118-1	C-G	C2.1			
1-FW-15	1085	600	14	13F	P-PN	CPN-7	C-G	C2.1			
1-FW-15	1085	600	14	14F	PN	CPN-7	C-E-1	C2.5			
1-FW-15	1170	440	1	15F	P-P		d				
1-FW-15	1170	440	1	16S	P-EL		d				
1-FW-15	1170	440	1	17S	EL-P		d				
1-FW-15	1170	440	1	18F	P-V		d				



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D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-15	1170	440	0.75	19F	P-P		d		
1-FW-15	1170	440	0.75	20S	P-EL		d		
1-FW-15	1170	440	0.75	21S	EL-P		d		
1-FW-15	1170	440	0.75	22S	P-V		d		
1-FW-15	1170	440	0.75	23F	P-P		d		
1-FW-15	1170	440	0.75	24S	P-EL		d		
1-FW-15	1170	440	0.75	25S	EL-P		d		
1-FW-15	1170	440	0.75	26S	P-V		d		
1-FW-15	1170	440	0.75	27F	P-P		d		
1-FW-15	1170	440	0.75	28S	P-EL		d		
1-FW-15	1170	440	0.75	29S	EL-P		d		
1-FW-15	1170	440	0.75	30S	P-V		d		
1-FW-15	1170	440	0.75	31F	P-P		d		
1-FW-15	1170	440	0.75	32S	P-EL		d		
1-FW-15	1170	440	0.75	33S	EL-P		d		
1-FW-15	1170	440	0.75	34S	P-V		d		
1-FW-15	1169	449	1	35F	P-P		d		
1-FW-15	1170	440	1	36F	P-V		d		
1-FW-15	1170	440	1.25	37F	P-P		d		
1-FW-15	1170	440	1.25	38F	P-P		d		
1-FW-15	1635	102	6	42	N-P		C-G	C2.1	
1-FW-15	1170	440	1	43	P-EL		d		
1-FW-15	1170	440	1	44	EL-P		d		
1-FW-16	1085	600	14	02F	PN	CPN-7	C-G	C2.1	
1-FW-16	1085	600	14	03F	P-PN	CPN-7	C-G	C2.1	
1-FW-16	1085	600	14	04S	P-EL		C-G	C2.1	
1-FW-16	1085	600	14	05S	EL-P		C-G	C2.1	
1-FW-16	1085	600	—		R	FWR-4	C-E-2	C2.6	
1-FW-16	1085	600	14	06F	P-EL		C-G	C2.1	
1-FW-16	1085	600	14	07S	EL-P		C-G	C2.1	
1-FW-16	1085	600	—		H	FWS-3	C-E-2	C2.6	
1-FW-16	1085	600	14	08F	P-EL		C-G	C2.1	
1-FW-16	1085	600	14	09S	EL-P		C-G	C2.1	
1-FW-16	1085	600	—		H	FWH-1	C-E-2	C2.6	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106					Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220	CATEG	IWC2600	REMARKS		
1-FW-16	1085	600	—		H	FWS-1		C-E-1,2	C2.5,6			
1-FW-16	1085	600	—		H	FWS-2		C-E-1,2	C2.5,6			
1-FW-16	1085	600	—		R	FWR-3		C-E-2	C2.6			
1-FW-16	1085	600	14	10	P-EL			C-G	C2.1			
1-FW-16	1085	600	14	11F	EL-P			C-G	C2.1			
1-FW-16	1085	600	—		R	FWR-2		C-E-2	C2.6			
1-FW-16	1085	600	—		R	FWR-1		C-E-2	C2.6			
1-FW-16	1085	600	14	12F	P-RD			C-G	C2.1			
1-FW-16	1085	600	16	13S	RDEL			C-G	C2.1			
1-FW-16	1085	600	16	14F	EL-N	SG 1		C-G	C2.1			
1-FW-16	1085	600	1	15F	P-B		d					
1-FW-16	1085	600	1	16F	P-P		d					
1-FW-16	1085	600	1	17S	P-V		d					
1-FW-17	1170	440	14	01F	V-P	FMO-204		C-G	C2.1			
1-FW-17	1170	440	14	02S	P-EL			C-G	C2.1			
1-FW-17	1170	440	—		H	1-GFW-R832		C-E-1,2	C2.5,6			
1-FW-17	1170	440	14	03S	EL-P			C-G	C2.1			
1-FW-17	1170	440	—		H	1-GFW-S861		C-E-2	C2.6			
1-FW-17	1170	440	14	04F	P-EL			C-G	C2.1			
1-FW-17	1170	440	14	05S	EL-P			C-G	C2.1			
1-FW-17	1170	440	14	06S	P-EL			C-G	C2.1			
1-FW-17	1170	440	14	07S	EL-P			C-G	C2.1			
1-FW-17	1170	440	—		H	1-GFW-V831		C-E-2	C2.6			
1-FW-17	1170	440	—		H	1-GFW-V830		C-E-2	C2.6			
1-FW-17	1170	440	14	08F	P-P			C-G	C2.1			
1-FW-17	1170	440	14	09F	P-P			C-G	C2.1			
1-FW-17	1170	440	—		H	1-GFW-R829		C-E-2	C2.6			
1-FW-17	1170	440	14	10F	P-P			C-G	C2.1			
1-FW-17	1170	440	14	11S	P-EL			C-G	C2.1			
1-FW-17	1170	440	14	12F	EL-P			C-G	C2.1			
1-FW-17	1170	440	—		R	Restraint		C-E-2	C2.6			
1-FW-17	1170	440	14	13F	P-V	FW-118-4		C-G	C2.1			
1-FW-17	1085	600	14	14F	V-TE	FW-118-4		C-G	C2.1			
1-FW-17	1085	600	14	15F	P-PN	CPN-10		C-G	C2.1			

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TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-17	1085	600		16F	PN	CPN-10	C-E-1	C2.5	
1-FW-17	1170	440	1	17F	P-P		d		
1-FW-17	1170	440	1	18F	P-EL		d		
1-FW-17	1170	440	1	19F	EL-P		d		
1-FW-17	1170	440	a	20F	P-V		d		
1-FW-17	1170	440	0.75	21F	P-P		d		
1-FW-17	1170	440	0.75	22F	P-EL		d		
1-FW-17	1170	440	0.75	23F	EL-P		d		
1-FW-17	1170	440	0.75	24F	P-V		d		
1-FW-17	1170	440	0.75	25F	P-P		d		
1-FW-17	1170	440	0.75	26F	P-EL		d		
1-FW-17	1170	440	0.75	27F	EL-P		d		
1-FW-17	1170	440	0.75	28F	P-V		d		
1-FW-17	1170	440	0.75	29F	P-P		d		
1-FW-17	1170	440	0.75	30F	P-EL		d		
1-FW-17	1170	440	0.75	31F	EL-P		d		
1-FW-17	1170	440	0.75	32F	P-V		d		
1-FW-17	1170	440	0.75	33F	P-P		d		
1-FW-17	1170	440	0.75	34F	P-EL		d		
1-FW-17	1170	440	0.75	35F	EL-P		d		
1-FW-17	1170	440	0.75	36F	P-V		d		
1-FW-17	1170	440	1	37F	P-P		d		
1-FW-17	1170	440	1	38F	P-V		d		
1-FW-17	1170	440	1.25	39F	P-P		d		
1-FW-17	1170	440	1.25	40F	P-B		d		
1-FW-17	1170	440	1.25	41F	P-P		d		
1-FW-17	1170	440	1.25	42F	P-B		d		
1-FW-17	1170	440	1.25	43F	P-P		d		
1-FW-18	1085	600	14	02F	PN	CPN-10	C-G	C2.1	
1-FW-18	1085	600	14	03F	P-PN	CPN-10	C-G	C2.1	
1-FW-18	1085	600	14	04S	P-EL		C-G	C2.1	
1-FW-18	1085	600	14	05S	EL-P		C-G	C2.1	
1-FW-18	1085	600	—		R	FWR-16	C-E-2	C2.6	
1-FW-18	1085	600	14	06F	P-EL		C-G	C2.1	



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-18	1085	600	14	07S	EL-P		C-G	C2.1	
1-FW-18	1085	600	—		H	FWS-12	C-E-2	C2.6	
1-FW-18	1085	600	14	08F	P-EL		C-G	C2.1	
1-FW-18	1085	600	14	09S	EL-P		C-G	C2.1	
1-FW-18	1085	600	—		H	FWH-4	C-E-2	C2.6	
1-FW-18	1085	600	—		R	FWR-15	C-E-2	C2.6	
1-FW-18	1085	600	—		H	FWS-11	C-E-1,2	C2.5,6	
1-FW-18	1085	600	—		H	FWS-10	C-E-1,2	C2.5,6	
1-FW-18	1085	600	14	10S	P-EL		C-G	C2.1	
1-FW-18	1085	600	14	11F	EL-P		C-G	C2.1	
1-FW-18	1085	600	—		R	FWR-14	C-E-2	C2.6	
1-FW-18	1085	600	—		R	FWR-13	C-E-2	C2.6	
1-FW-18	1085	600	14	12F	P-RD		C-G	C2.1	
1-FW-18	1085	600	16	13S	RDEL		C-G	C2.1	
1-FW-18	1085	600	16	14F	EL-N	SG 4	C-G	C2.1	Terminal End
1-FW-18	1085	600	1	15F	P-B		d		
1-FW-18	1085	600	1	16F	P-P		d		
1-FW-18	1085	600	1	17F	P-V		d		
1-FW-26	1635	102	6	01S	C-TE		C-G	C2.1	
1-FW-26	1635	102	6	02S	TE-P		C-G	C2.1	
1-FW-26	1635	102	—		H	1-GFW-V803	C-E-1,2	C2.5,6	
1-FW-26	1635	102	6	03S	P-TE		C-G	C2.1	
1-FW-26	1635	102	6	04S	TE-P		C-G	C2.1	
1-FW-26	1635	102	—		H	1-GFW-L804	C-E-2	C2.6	
1-FW-26	1635	102	—		H	1-GFW-V841	C-E-1,2	C2.5,6	
1-FW-26	1635	102	6	05S	P-EL		C-G	C2.1	
1-FW-26	1635	102	6	06F	EL-P		C-G	C2.1	
1-FW-26	1635	102	—		H	1-GFW-L805	C-E-2	C2.6	
1-FW-26	1635	102	6	07S	P-EL		C-G	C2.1	
1-FW-26	1635	102	6	08F	EL-P		C-G	C2.1	
1-FW-26	1635	102	—		H	1-GFW-R806	C-E-1,2	C2.5,6	
1-FW-26	1635	102	6	09S	P-EL		C-G	C2.1	
1-FW-26	1635	102	6	10F	EL-P		C-G	C2.1	
1-FW-26	1635	102	6	11S	P-EL		C-G	C2.1	



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Feedwater				Class 2	Flow Diagram No. 5106					Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220	CATEG	IWC2600	REMARKS
1-FW-26	1635	102	6	12S	EL-P			C-G	C2.1	
1-FW-26	1635	102	6	13S	P-EL			C-G	C2.1	
1-FW-26	1635	102	6	14S	EL-P			C-G	C2.1	
1-FW-26	1635	102	6	15F	P-N			C-G	C2.1	
1-FW-26	1635	102	0.75	16F	P-P		d			
1-FW-26	1635	102	0.75	17F	P-P		d			
1-FW-26	1635	102	0.75	18F	P-P		d			
1-FW-26	1635	102	0.75	19S	P-V		d			
1-FW-26	1635	102	0.75	20F	P-P		d			
1-FW-26	1635	102	0.75	21S	P-V		d			
1-FW-26	1635	102	6	22	P-P			C-G	C2.1	
1-FW-26	1635	102	6	23	P-P			C-G	C2.1	
1-FW-26	1635	102	6	24	P-F			C-G	C2.1	
1-FW-26	1635	102	6	25	F-P			C-G	C2.1	
1-FW-27	1635	102	6	01S	C-TE			C-G	C2.1	
1-FW-27	1635	102	6	02S	TE-P			C-G	C2.1	
1-FW-27	1635	102	—		R	1-GFW-L842		C-E-2	C2.6	
1-FW-27	1635	102	—		H	1-GFW-V807		C-E-1,2	C2.5,6	
1-FW-27	1635	102	6	03S	P-TE			C-G	C2.1	
1-FW-27	1635	102	6	04S	TE-P			C-G	C2.1	
1-FW-27	1635	102	6	05S	P-EL			C-G	C2.1	
1-FW-27	1635	102	6	06S	EL-P			C-G	C2.1	
1-FW-27	1635	102	—		R	1-GFW-L808		C-E-2	C2.6	
1-FW-27	1635	102	6	07F	P-EL			C-G	C2.1	
1-FW-27	1635	102	6	08S	EL-P			C-G	C2.1	
1-FW-27	1635	102	—		H	1-GFW-L809		C-E-1,2	C2.5,6	
1-FW-27	1635	102	6	09F	P-EL			C-G	C2.1	
1-FW-27	1635	102	6	10S	EL-P			C-G	C2.1	
1-FW-27	1635	102	6	11S	P-EL			C-G	C2.1	
1-FW-27	1635	102	6	12S	EL-P			C-G	C2.1	
1-FW-27	1635	102	6	13S	P-EL			C-G	C2.1	
1-FW-27	1635	102	6	14S	EL-P			C-G	C2.1	
1-FW-27	1635	102	6	15F	P-N			C-G	C2.1	
1-FW-27	1635	102	0.75	16F	P-P		d			

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Feedwater		Class 2		Flow Diagram No. 5106		Rev. 1 7/15/82			
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-FW-27	1635	102	0.75	17F	P-P		d		
1-FW-27	1635	102	0.75	18F	P-P		d		
1-FW-27	1635	102	0.75	19F	P-P		d		
1-FW-27	1635	102	6	20	P-P		C-G	C2.1	
1-FW-27	1635	102	6	21	P-P		C-G	C2.1	
1-FW-27	1635	102	6	22	P-F		C-G	C2.1	
1-FW-27	1635	102	6	23	F-P		C-G	C2.1	
1-FW-30	1635	102	6	01S	C-TE		C-G	C2.1	
1-FW-30	1635	102	6	02S	TE-P		C-G	C2.1	
1-FW-30	1635	102	—		H	1-GEW-R822	C-E-2	C2.6	
1-FW-30	1635	102	6	03S	P-TE		C-G	C2.1	
1-FW-30	1635	102	6	04S	TE-P		C-G	C2.1	
1-FW-30	1635	102	6	05S	P-EL		C-G	C2.1	
1-FW-30	1635	102	—		H	1-GEW-R821	C-E-2	C2.6	
1-FW-30	1635	102	6	07F	P-P		C-G	C2.1	
1-FW-30	1635	102	6	08S	P-EL		C-G	C2.1	
1-FW-30	1635	102	6	09S	EL-P		C-G	C2.1	
1-FW-30	1635	102	—		H	1-GEW-L823	C-E-1,2	C2.5,6	
1-FW-30	1635	102	6	10F	P-EL		C-G	C2.1	
1-FW-30	1635	102	6	11S	EL-P		C-G	C2.1	
1-FW-30	1635	102	6	12S	P-EL		C-G	C2.1	
1-FW-30	1635	102	6	13S	EL-P		C-G	C2.1	
1-FW-30	1635	102	6	14S	P-EL		C-G	C2.1	
1-FW-30	1635	102	6	15S	EL-P		C-G	C2.1	
1-FW-30	1635	102	6	16S	P-EL		C-G	C2.1	
1-FW-30	1635	102	6	17F	EL-P		C-G	C2.1	
1-FW-30	1635	102	0.75	18F	P-P		d		
1-FW-30	1635	102	0.75	19F	P-P		d		
1-FW-30	1635	102	0.75	20F	P-P		d		
1-FW-30	1635	102	0.75	21S	P-EL		d		
1-FW-30	1635	102	0.75	22S	EL-P		d		
1-FW-30	1635	102	0.75	23F	P-P		d		
1-FW-30	1635	102	0.75	24S	P-EL		d		
1-FW-30	1635	102	0.75	25S	EL-P		d		



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No. 5106					Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-FW-30	1635	102	6	26	P-F		C-G	C2.1		
1-FW-30	1635	102	6	27	F-P		C-G	C2.1		
1-FW-31	1635	102	6	01S	C-TE		C-G	C2.1		
1-FW-31	1635	102	6	02S	TE-P		C-G	C2.1		
1-FW-31	1635	102	—		H	1-GFW-R824	C-E-2	C2.6		
1-FW-31	1635	102	6	03S	P-TE		C-G	C2.1		
1-FW-31	1635	102	6	04S	TE-P		C-G	C2.1		
1-FW-31	1635	102	—		H	1-GFW-L825	C-E-2	C2.6		
1-FW-31	1635	102	6	05E	P-P		C-G	C2.1		
1-FW-31	1635	102	6	06S	P-EL		C-G	C2.1		
1-FW-31	1635	102	6	07S	EL-P		C-G	C2.1		
1-FW-31	1635	102	—		H	1-GFW-L826	C-E-1,2	C2.5,6		
1-FW-31	1635	102	6	08F	P-EL		C-G	C2.1		
1-FW-31	1635	102	6	09S	EL-P		C-G	C2.1		
1-FW-31	1635	102	6	10S	P-EL		C-G	C2.1		
1-FW-31	1635	102	6	11S	EL-P		C-G	C2.1		
1-FW-31	1635	102	6	12S	P-EL		C-G	C2.1		
1-FW-31	1635	102	6	13S	EL-P		C-G	C2.1		
1-FW-31	1635	102	6	14F	P-N		C-G	C2.1		
1-FW-31	1635	102	0.75	15F	P-P		d			
1-FW-31	1635	102	0.75	16F	P-P		d			
1-FW-31	1635	102	0.75	17F	P-P		d			
1-FW-31	1635	102	0.75	18S	P-EL		d			
1-FW-31	1635	102	0.75	19S	EL-P		d			
1-FW-31	1635	102	0.75	20F	P-P		d			
1-FW-31	1635	102	0.75	21S	P-EL		d			
1-FW-31	1635	102	0.75	22S	EL-P		d			
1-FW-31	1635	102	6	23	P-F		C-G	C2.1		
1-FW-31	1635	102	6	24	F-P		C-G	C2.1		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System      Feedwater                              Class 2              Flow Diagram No.      5106A                              Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-FW-24	1085	600	4	ALL		ALL	d	
1-FW-25	1085	600	4	ALL		ALL	d	
1-FW-28	1085	600	4	ALL		ALL	d	
1-FW-29	1085	600	4	ALL		ALL	d	



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System None-Essential Service Water Class 2 Flow Diagram No. 5114 A Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-NSW-37	115	150	6	ALL		ALL	a		
1-NSW-38	115	150	6	ALL		ALL	a		
1-NSW-39	115	150	3	ALL		ALL	d		
1-NSW-40	115	150	3	ALL		ALL	d		
1-NSW-41	115	150	3	ALL		ALL	d		
1-NSW-42	115	150	3	ALL		ALL	d		
1-NSW-43	115	150	3	ALL		ALL	d		
1-NSW-44	115	150	3	ALL		ALL	d		
1-NSW-45	115	150	6	ALL		ALL	a		
1-NSW-46	115	150	6	ALL		ALL	a		
1-NSW-47	115	150	3	ALL		ALL	d		
1-NSW-48	115	150	3	ALL		ALL	d		
1-NSW-49	115	150	2.5	ALL		ALL	d		
1-NSW-50	115	150	3	ALL		ALL	d		
1-NSW-51	115	150	3	ALL		ALL	d		
1-NSW-52	115	150	2.5	ALL		ALL	d		
1-NSW-53	115	150	3	ALL		ALL	d		
1-NSW-54	115	150	3	ALL		ALL	d		
1-NSW-55	115	150	6	ALL		ALL	a		
1-NSW-56	115	150	3	ALL		ALL	d		
1-NSW-57	115	150	3	ALL		ALL	d		
1-NSW-58	115	150	6	ALL		ALL	a		
1-NSW-59	115	150	6	ALL		ALL	a		
1-NSW-60	115	150	3	ALL		ALL	d		
1-NSW-61	115	150	3	ALL		ALL	d		
1-NSW-62	115	150	6	ALL		ALL	a		
1-NSW-63	115	150	3	ALL		ALL	d		
1-NSW-64	115	150	3	ALL		ALL	d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Make-Up Water & Primary Water Class 2							Flow Diagram No. 5115A		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
0-DW-500	133	120	4	ALL		ALL	d			



D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Compressed Air                      Class 2                      Flow Diagram No. 5120B                      Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
0-PA-506	112	90	2	ALL		ALL	d	
1-CA-CPN-29	125	90	1	ALL		ALL	d	
1-CA-CPN-74	125	90	1	ALL		ALL	d	
1-PA-CPN-57	112	90	4	ALL		ALL	d	
1-PA-600	112	90	2	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Station Drainage Containment Class 2 Flow Diagram No. 5124 Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-DR-224	60	150	3	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Reactor Coolant				Class 2	Flow Diagram No. 5128A			Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-CS-41	1500	200	3	ALL		ALL	d	
1-CS-744	220	650	1	ALL		ALL	d	
1-CS-749	1500	200	2	ALL		ALL	d	
1-CS-750	1500	200	2	ALL		ALL	d	
1-CS-751	1500	200	2	ALL		ALL	d	
1-CS-752	1500	200	2	ALL		ALL	d	
1-CS-763	2485	140	2	ALL		ALL	d	
1-CS-764	2485	140	2	ALL		ALL	d	
1-CS-768	2485	140	2	ALL		ALL	d	
1-CS-769	2485	140	2	ALL		ALL	d	
1-N-524	114	340	2.5	ALL		ALL	d	
1-N-536	114	340	2.5	ALL		ALL	d	
1-NPX-151	2485	650	0.38	ALL		ALL	d	
1-NSI-51	100	340	0.5	ALL		ALL	d	
1-PW-17	133	120	4	ALL		ALL	d	
1-SI-13	50	400	4	ALL		ALL	d	
1-SI-36	220	650	4	ALL		ALL	d	
1-SI-504	50	100	1	ALL		ALL	d	
1-SI-506	50	100	1.5	ALL		ALL	d	
1-SI-587	50	100	1	ALL		ALL	d	
1-WD-66	100	340	4	ALL		ALL	d	
12-PW-4	133	120	4	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System CVCS-Reactor Letdown & Charging Class 2

Flow Diagram No. 5129

Rev.1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-CS-32	2550	200	3	ALL		ALL	d		
1-CS-33	2550	200	4	ALL		ALL	d		
1-CS-34	2550	200	4	ALL		ALL	d		
1-CS-35	2550	200	4	ALL		ALL	d		
1-CS-36	2550	200	3	ALL		ALL	d		
1-CS-39	2510	650	3	ALL		ALL	d		
1-CS-41	2550	200	3	ALL		ALL	d		
1-CS-549	220	300	2	ALL		ALL	d		
1-CS-551	220	300	1	ALL		ALL	d		
1-CS-569	220	300	1	ALL		ALL	d		
1-CS-608	600	400	2	ALL		ALL	d		
1-CS-753	2550	200	2	ALL		ALL	d		Up to QCR-300
1-CS-754	2550	200	2	ALL		ALL	d		
1-CS-767	600	400	2	ALL		ALL	d		
1-CS-771	600	400	2	ALL		ALL	d		
1-CS-778	600	400	2	ALL		ALL	d		
1-CS-780	2510	650	2	ALL		ALL	d		
1-CS-782	2510	650	3	ALL		ALL	d		
1-CS-92	2510	650	3	ALL		ALL	d		
1-CS-95	2510	650	3	ALL		ALL	d		
1-CS-96	2510	650	3	ALL		ALL	d		
1-CS-98	2485	650	3	ALL		ALL	d		
1-CS-99	2485	650	3	ALL		ALL	d		
1-SI-18	220	300	4	ALL		ALL	d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System CVCS-Reactor Letdown & Charging Class 2

Flow Diagram No. 5129A

Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-CS-42	150	200	4	ALL		ALL	d		
1-CS-52	150	200	4	ALL		ALL	d		
1-CS-53	220	300	4	ALL		ALL	d		
1-CS-546	115	180	2	ALL		ALL	d		
1-CS-55	75	250	3	ALL		ALL	d		
1-CS-57	115	180	3	ALL		ALL	d		
1-CS-745	150	200	1	ALL		ALL	d		
1-CS-761	220	300	1	ALL		ALL	d		
1-CS-770	2485	650	1	ALL		ALL	d		
1-CS-781	2485	650	1	ALL		ALL	d		
1-CS-834	220	300	2	ALL		ALL	d		
1-CS-93	150	200	4	ALL		ALL	d		
1-H-001	150	AMB	1	ALL		ALL	d		
1-HE-13-DR	25	267	1	ALL		ALL	d		
1-HE-13-VT	150	200	1	ALL		ALL	d		
1-N-521	114	340	1	ALL		ALL	d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System    Component Cooling                      Class 2                      Flow Diagram No.    5135                      Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-CCW-104	150	115	4	ALL		ALL	d	
1-CCW-105	150	115	4	ALL		ALL	d	
1-CCW-63	150	115	8	ALL		ALL	a	
1-CCW-65	150	115	8	ALL		ALL	a	
1-CCW-67	150	115	4	ALL		ALL	d	
1-CCW-68	2485	130	4	ALL		ALL	d	
1-CCW-69	150	115	2	ALL		ALL	d	
1-CCW-70	150	115	4	ALL		ALL	d	
1-CCW-71	150	115	2.5	ALL		ALL	d	
1-CCW-94	150	115	8	ALL		ALL	a	
1-CWW-102	150	115	2.5	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Component Cooling Class 2 Flow Diagram No. 5135B Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-COW-796	150	115	1.5	ALL		ALL	d	
1-COW-797	150	115	1.5	ALL		ALL	d	
1-COW-798	150	115	1.5	ALL		ALL	d	
1-COW-799	150	115	1.5	ALL		ALL	d	
1-COW-804	150	115	1.5	ALL		ALL	d	
1-COW-805	150	115	1.5	ALL		ALL	d	
1-COW-806	150	115	1.5	ALL		ALL	d	
1-COW-807	150	115	1.5	ALL		ALL	d	
1-COW-956	150	115	2	ALL		ALL	d	
1-COW-958	150	115	2	ALL		ALL	d	
1-COW-964	150	115	2	ALL		ALL	d	
1-COW-966	150	115	2	ALL		ALL	d	

D. C. COOK NUCLEAR REACTOR, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Spent Fuel Pool										
System	Cooling and Clean-Up				Class 2	Flow Diagram No.		5136		Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-SF-9	150	120	3	ALL		ALL	d		Fr refuel ws tank to SI-183	
12-SF-15	150	120	2.5	ALL		ALL	d		Fr SF-151 to SF-153	





D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System WDS Vents & Drains                      Class 2                      Flow Diagram No. 5137A                      Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
0-WD-511	100	200	0.75	ALL		ALL	d	
1-SF-10	150	120	3	ALL		ALL	d	
1-WD-37	100	200	4	ALL		ALL	d	
1-WD-38	150	120	3	ALL		ALL	d	
1-WD-501	100	200	1	ALL		ALL	d	
1-WD-506	114	340	1	ALL		ALL	d	
1-WD-77	ATM	AMB	3	ALL		ALL	d	
1-WD-782	ATM	AMB	1	ALL		ALL	d	
1-WD-807	100	200	0.75	ALL		ALL	d	
12-WD-3	100	200	4	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Nuclear Sampling				Class 2	Flow Diagram No. 5141			Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
CPN-66,8711	2485	650	0.5	ALL		ALL	d	
CPN-66,8712	2485	650	0.5	ALL		ALL	d	
CPN-66,8721	2485	650	0.5	ALL		ALL	d	
CPN-66,8722	2485	650	0.5	ALL		ALL	d	
CPN-66,8731	2485	560	0.5	ALL		ALL	d	
CPN-66,8732	2485	650	0.5	ALL		ALL	d	
CPN-81,8741	2485	650	0.5	ALL		ALL	d	
CPN-81,8742	2485	650	0.5	ALL		ALL	d	

D. C. COOK NUCLEAR ST, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Nuclear Sampling				Class 2	Flow Diagram No. 5141A			Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-DSR-301	1085	650	0.5	ALL		ALL	d	
1-DSR-302	1085	650	0.5	ALL		ALL	d	
1-DSR-303	1085	650	0.5	ALL		ALL	d	
1-DSR-304	1085	650	0.5	ALL		ALL	d	
1-MSX-101	1085	650	0.5	ALL		ALL	d	
1-MSX-102	1085	650	0.5	ALL		ALL	d	
1-MSX-103	1085	650	0.5	ALL		ALL	d	
1-MSX-104	1085	650	0.5	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Nuclear Sampling Class 2 Flow Diagram No. 5141B Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
CPN-95	12	200	0.5	ALL		ALL	d	
ESR-1	12	200	0.5	ALL		ALL	d	
ESR-2	12	200	0.5	ALL		ALL	d	
ESR-3	12	200	0.5	ALL		ALL	d	
ESR-4	12	200	0.5	ALL		ALL	d	
ESR-5	12	200	0.5	ALL		ALL	d	
ESR-6	12	200	0.5	ALL		ALL	d	
ESR-7	12	200	0.5	ALL		ALL	d	
ESR-8	12	200	0.5	ALL		ALL	d	
ESR-9	12	200	0.5	ALL		ALL	d	



D. C. COOK NUCLEAR UNIT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Emergency Core Cooling      Class 2      Flow Diagram No. 5142      Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
1-SI-11	1750	200	4	ALL		ALL	d	
1-SI-12	1750	200	4	ALL		ALL	d	
1-SI-39	1750	200	3	ALL		ALL	d	
1-SI-40	1750	200	3	ALL		ALL	d	
1-SI-5	220	190	8	ALL		ALL	a	
1-SI-50	2250	200	4	ALL		ALL	d	
1-SI-500	1750	200	0.75	ALL		ALL	d	
1-SI-501	1750	200	0.75	ALL		ALL	d	
1-SI-502	1750	200	2	ALL		ALL	d	
1-SI-503	1750	200	0.75	ALL		ALL	d	
1-SI-505	220	190	0.75	ALL		ALL	d	
1-SI-51	1750	200	3	ALL		ALL	d	
1-SI-537	1750	200	1	ALL		ALL	d	
1-SI-546	1750	200	1.5	ALL		ALL	d	
1-SI-559	1750	200	1	ALL		ALL	d	
1-SI-587	1750	200	0.75	ALL		ALL	d	
1-SI-588	1750	200	1.5	ALL		ALL	d	
1-SI-590	1750	200	1.5	ALL		ALL	d	

To valves SI-145,SI-146,SI-147  
To valves SI-145,SI-146,SI-147





D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Emergency Core Cooling (RHR)					Class 2	Flow Diagram No. 5143		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
0-RH-500	30	190	0.75	ALL		ALL	d		
0-RH-501	30	190	0.75	ALL		ALL	d		
1-DR-729	35	120	2	ALL		ALL	d		
1-DR-730	35	120	2	ALL		ALL	d		
1-N-537	700	120	1	ALL		ALL	d		
1-N-540	700	AMB	1	ALL		ALL	d		
1-RH-12	600	350	3	ALL		ALL	d		Valve GRV-313 to valve N-176
1-RH-13	600	350	3	ALL		ALL	d		
1-RH-508	600	350	2	ALL		ALL	d		
1-RH-509	600	350	2	ALL		ALL	d		
1-RH-510	600	350	0.75	ALL		ALL	d		
1-RH-511	600	350	0.75	ALL		ALL	d		
1-SI-19	2485	650	4	ALL		ALL	d		
1-SI-2	400	350	14	ALL		ALL	-		Fr SI pumps to SI-152N
1-SI-2	30	190	14	ALL		ALL	a		Fr ICM-305 to pu 2. to be added
1-SI-28	700	120	10	ALL		ALL	-		Recirc Sump to ICM-305
1-SI-3	400	350	14	ALL		ALL	-		1. Exemption c
1-SI-3	30	190	14	ALL		ALL	a		Fr ICM-306 to pu 2. to be added
1-SI-30	700	120	10	ALL		ALL	-		Recirc sump to ICM-306
1-SI-32	700	120	10	ALL		ALL	-		1. Exemption c
1-SI-34	700	120	10	ALL		ALL	-		1. Exemption c
1-SI-507	1750	200	0.75	ALL		ALL	d		1. Exemption c
1-SI-537	700	120	1	ALL		ALL	d		Fr weld inside cont to SI-194
1-SI-547	1750	650	0.75	ALL		ALL	d		
1-SI-550	700	120	1	ALL		ALL	d		
1-SI-551	700	120	1	ALL		ALL	d		
1-SI-552	700	120	1	ALL		ALL	d		
1-SI-553	700	120	1	ALL		ALL	d		
1-SI-74	2485	650	4	ALL		ALL	d		
1-SM-500	700	120	0.75	ALL		ALL	d		Fr SI pumps to SI-152S
1-SM-501	700	120	0.75	ALL		ALL	d		To SI-163
1-SM-502	700	200	0.75	ALL		ALL	d		To SI-163
1-SM-503	700	120	0.75	ALL		ALL	d		To SI-163
1-SM-535	600	350	0.75	ALL		ALL	d		To SI-163

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Containment Spray					Class 2	Flow Diagram No. 5144		Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-CTS-19	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-20	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-21	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-22	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-23	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-24	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-31	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-32	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-33	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-34	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-35	95	200	4	ALL		ALL	a		To Ring Headers
1-CTS-36	95	200	4	ALL		ALL	a		To Ring Headers
1-CTS-37	95	200	4	ALL		ALL	a		To Ring Headers
1-CTS-38	95	200	4	ALL		ALL	a		To Ring Headers
1-CTS-39	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-40	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-41	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-42	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-43	95	200	3	ALL		ALL	a		To Ring Headers
1-CTS-44	95	200	3	ALL		ALL	a		To Ring Headers
1-CTS-45	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-46	95	200	8	ALL		ALL	a		To Ring Headers
1-CTS-47	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-48	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-49	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-50	95	200	6	ALL		ALL	a		To Ring Headers
1-CTS-504	95	200	2	ALL		ALL	a		To Ring Headers
1-CTS-505	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-506	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-507	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-508	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-509	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-510	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-511	95	200	2	ALL		ALL	a		Cont. Spray Ring Header



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Containment Spray					Class 2	Flow Diagram No. 5144			Rev. 1 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-CTS-512	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-513	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-514	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-515	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-516	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-517	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-518	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-521	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-522	95	200	2	ALL		ALL	a		Cont. Spray Ring Hader
1-CTS-523	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-524	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-525	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-526	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-527	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-528	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-529	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-530	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-531	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-532	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-533	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-534	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-535	95	200	2	ALL		ALL	a		Cont. Spray Ring Header
1-CTS-536	400	200	2	ALL		ALL	d		
1-CTS-537	400	200	2	ALL		ALL	d		
1-CTS-7	400	200	3	ALL		ALL	d		
1-RH-5	95	200	8	ALL		ALL	a		Downstrm of IMO-331
1-RH-6	95	200	8	ALL		ALL	a		Downstrm of IMO-330
1-SF-27	30	100	3	ALL		ALL	d		
1-SF-500	30	100	2	ALL		ALL	d		
1-SI-1	30	100	24	ALL		ALL	a		
1-SI-2	400	350	12	ALL		ALL			Recirc su Hd to CTS pu 2. To be adde
1-SI-3	400	350	12	ALL		ALL			Recirc su Hd to CTS pu 2. To be adde
1-SI-47	30	100	24	ALL		ALL	a		
1-SI-509	400	200	2	ALL		ALL	d		



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Rev. 1 7/15/82

Flow Diagram No. 5144

Class 2

System Containment Spray

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
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1-SI-510	400	200	2	ALL		ALL	d		
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D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Containment Penetration and  
System Weld Channel Pressurization Class 2 Flow Diagram No. 5145 Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
9221,CPN-83	112	90	1	ALL		ALL	d	
9232,CPN-83	112	90	1	ALL		ALL	d	
9271,CPN-83	112	90	1	ALL		ALL	d	
9272,CPN-83	112	90	1	ALL		ALL	d	

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Ice Condenser Refrigeration Class 2 Flow Diagram No. 5146A Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600 REMARKS
12-R-29	25	15	4	ALL		ALL	d	
12-R-31	25	15	4	ALL		ALL	d	



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

SystemIce Condenser Refrigeration      Class 2      Flow Diagram No. 5146B      Rev. 1 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
1-R-46	150	-10	3	ALL		ALL	d		
1-R-47	150	-10	3	ALL		ALL	d		
1-R-533	150	-10	1	ALL		ALL	d		
1-R-534	150	-10	1	ALL		ALL	d		
12-R-24	150	-10	4	ALL		ALL	d		
12-R-9	150	-10	4	ALL		ALL	d		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Containment Ventilation			Class 2	Flow Diagram No.			5147A	Rev. 1 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
1-CPN-31	208	330	1	ALL		ALL	d			
1-CPN-32	208	330	1	ALL		ALL	d			
1-CPN-70	208	330	1	ALL		ALL	d			
1-ESX-001	208	330	0.5	ALL		ALL	d			
1-ESX-002	25	100	0.5	ALL		ALL	d			
1-PGA-10	25	100	30	ALL		ALL	a			
1-PGA-11	25	100	24	ALL		ALL	a			
1-PGA-14	25	100	12	ALL		ALL	a			
1-PGA-15	25	100	14	ALL		ALL	a			
1-PGA-16	25	100	14	ALL		ALL	a			
1-PGA-8	25	100	24	ALL		ALL	a			
1-PGA-9	25	100	30	ALL		ALL	a			

ATTACHMENT C  
TO  
AEP:NRC:0070G

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

Attachment C To  
AEP:NRC:00070G

Rev. 3 7/15/82

System	Main Steam	Class 2		Flow Diagram No. 5105					
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-BD-525	1085	570	2	ALL		ALL	d		
2-BD-526	1085	570	2	ALL		ALL	d		
2-BD-527	1085	570	2	ALL		ALL	d		
2-BD-528	1085	570	2	ALL		ALL	d		
2-BD-540	1085	570	2	ALL		ALL	d		
2-BD-541	1085	570	2	ALL		ALL	d		
2-BD-542	1085	570	2	ALL		ALL	d		
2-BD-543	1085	570	2	ALL		ALL	d		
2-MS-193	1085	570	6	01F	B-EL		C-G	C2.3	
2-MS-193	1085	570	6	02S	EL-P		C-G	C2.1	
2-MS-193	1085	570	6	03S	P-EL		C-G	C2.1	
2-MS-193	1085	570	6	04S	EL-P		C-G	C2.1	
2-MS-193	1085	570	6	05F	P-EL		C-G	C2.1	
2-MS-193	1085	570	6	06S	EL-P		C-G	C2.1	
2-MS-193	1085	570	6	07S	P-EL		C-G	C2.1	
2-MS-193	1085	570	6	08S	EL-P		C-G	C2.1	
2-MS-193	1085	570	6	09S	P-EL		C-G	C2.1	
2-MS-193	1085	570			H	2-GMS-V1154	C-E-1,2	C2.5,6	
2-MS-193	1085	570	6	10F	EL-V	MSV-101	C-G	C2.1	
2-MS-193	1085	570	6	11F	V-P	MSV-101	C-G	C2.1	
2-MS-193	1085	570	6	12F	P-V	MRV-213	C-G	C2.1	
2-MS-194	1085	570	6	01F	B-EL		C-G	C2.3	
2-MS-194	1085	570	6	02S	EL-P		C-G	C2.1	
2-MS-194	1085	570	6	03S	P-EL		C-G	C2.1	
2-MS-194	1085	570	6	04S	EL-P		C-G	C2.1	
2-MS-194	1085	570	6	05F	P-EL		C-G	C2.1	
2-MS-194	1085	570	6	06S	EL-P		C-G	C2.1	
2-MS-194	1085	570	6	07S	P-EL		C-G	C2.1	
2-MS-194	1085	570	6	08S	EL-P		C-G	C2.1	
2-MS-194	1085	570	6	09S	P-EL		C-G	C2.1	
2-MS-194	1085	570			H	2-GMS-V1155	C-E-1,2	C2.5,6	
2-MS-194	1085	570	6	10F	EL-V	MSV-101	C-G	C2.1	
2-MS-194	1085	570	6	11F	V-P	MSV-101	C-G	C2.1	
2-MS-194	1085	570	6	12F	P-V	MRV-243	C-G	C2.3	

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Main Steam				Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-195	1085	570	6	01F	P-B		C-G	C2.3	
2-MS-195	1085	570	6	02S	P-EL		C-G	C2.1	
2-MS-195	1085	570	6	03S	EL-P		C-G	C2.1	
2-MS-195	1085	570	6	04S	P-EL		C-G	C2.1	
2-MS-195	1085	570	6	05S	EL-P		C-G	C2.1	
2-MS-195	1085	570			H	2-GMS-L1158	C-E-1,2	C2.5,6	
2-MS-195	1085	570	6	06S	P-EL		C-G	C2.1	
2-MS-195	1085	570			H	2-GMS-L1157	C-E-1,2	C2.5,6	
2-MS-195	1085	570	6	07S	EL-P		C-G	C2.1	
2-MS-195	1085	570			H	2-GMS-L1156	C-E-1,2	C2.5,6	
2-MS-195	1085	570	6	08S	P-EL		C-G	C2.1	
2-MS-195	1085	570	6	09S	EL-P		C-G	C2.1	
2-MS-195	1085	570	6	10F	P-V	MSV-101	C-G	C2.1	
2-MS-195	1085	570	6	11F	P-V	MSV-101	C-G	C2.1	
2-MS-195	1085	570	6	12F	P-V	MRV-233	C-G	C2.1	
2-MS-196	1085	570	6	01F	P-B		C-G	C2.3	
2-MS-196	1085	570	6	02S	P-EL		C-G	C2.1	
2-MS-196	1085	570	6	03S	EL-P		C-G	C2.1	
2-MS-196	1085	570	6	04S	P-EL		C-G	C2.1	
2-MS-196	1085	570	6	05S	EL-P		C-G	C2.1	
2-MS-196	1085	570			H	2-GMS-L1161	C-E-1,2	C2.5,6	
2-MS-196	1085	570	6	06S	P-EL		C-G	C2.1	
2-MS-196	1085	570			H	2-GMS-L1160	C-E-1,2	C2.5,6	
2-MS-196	1085	570	6	07S	EL-P		C-G	C2.1	
2-MS-196	1085	570			H	2-GMS-V1159	C-E-1,2	C2.5,6	
2-MS-196	1085	570	6	08S	P-EL		C-G	C2.1	
2-MS-196	1085	570	6	09S	EL-P		C-G	C2.1	
2-MS-196	1085	570	6	10F	P-V	MSV-101	C-G	C2.1	
2-MS-196	1085	570	6	11F	V-P	MSV-101	C-G	C2.1	
2-MS-196	1085	570	6	12F	P-V	MRV-223	C-G	C2.1	
2-MS-89	1085	570	32	01F	N-P	SG-1	C-G	C2.1	
2-MS-89	1085	570	1.5	02F	P-B		d		
2-MS-89	1085	570	1.5	03F	P-B		d		
2-MS-89	1085	570	32	04S	EL-P		C-G	C2.1	C-2



D. C. COOK NUCLEAR UNIT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Main Steam		Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82			
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-89	1085	570			H	2-MSR-1	C-E-2	C2.6	
2-MS-89	1085	570	32	05S	P-EL		C-G	C2.1	
2-MS-89	1085	570	32	06S	P-RD		C-G	C2.1	
2-MS-89	1085	570			R	2-MSR-2	C-E-2	C2.6	
2-MS-89	1085	570	30	07F	RD-P		C-G	C2.1	
2-MS-89	1085	570			R	2-MSR-3	C-E-2	C2.6	
2-MS-89	1085	570	30	08F	P-P		C-G	C2.1	
2-MS-89	1085	570			R	2-MSR-4	C-E-2	C2.6	
2-MS-89	1085	570			R	2-MSR-5	C-E-2	C2.6	
2-MS-89	1085	570	30	09S	P-EL		C-G	C2.1	
2-MS-89	1085	570	30	10F	EL-P		C-G	C2.1	
2-MS-89	1085	570			H	2-MSH-1	C-E-1,2	C2.5,6	
2-MS-89	1085	570			H	2-MSS-1	C-E-1,2	C2.5,6	
2-MS-89	1085	570			H	2-MSS-2	C-E-1,2	C2.5,6	
2-MS-89	1085	570	30	11F	P-PN	CPN-2	C-G	C2.1	
2-MS-89			52	12	PN	CPN-2	C-E-1	C2.5	
2-MS-90	1085	570	30	01S	PN	CPN-2	C-E-1	C2.5	
2-MS-90	1085	570	30	02F	PN-P	CPN-2	C-G	C2.1	
2-MS-90	1085	570	30	03S	P-P		C-G	C2.1	
2-MS-90	1085	570	30	04F	P-V	MRV-210	C-G	C2.3	
2-MS-90	1085	570	30	05F	P-P		C-G	C2.1	
2-MS-90	1085	570			R	REST RING	C-E-2	C2.6	
2-MS-90	1085	570	30	06S	P-C		C-G	C2.3	
2-MS-90	1085	570			R	REST RING	C-E-2	C2.6	
2-MS-90	1085	570	30	07S	P-C		C-G	C2.3	
2-MS-90	1085	570	6	08S	P-F		C-G	C2.1	
2-MS-90	1085	570	6	09S	P-F		C-G	C2.1	
2-MS-90	1085	570	6	10S	P-F		C-G	C2.1	
2-MS-90	1085	570	6	11S	P-F		C-G	C2.1	
2-MS-90	1085	570	—		S	SUPPORT	C-E-2	C2.6	Line Support
2-MS-90	1085	570	6	12S	P-F		C-G	C2.1	
2-MS-90	1085	570	—		S	SUPPORT	C-E-2	C2.6	Line support
2-MS-90	1085	570	6	38	P-P		C-G	C2.1	
2-MS-90	1085	570	1	19F	P-P				





D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Main Steam				Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-90	1085	570	1	39	P-EL		d		
2-MS-90	1085	570	1	40	EL-P		d		
2-MS-90	1085	570	1	41	P-EL		d		
2-MS-90	1085	570	1	42	EL-P		d		
2-MS-90	1085	570	1	20S	P-V		d		
2-MS-90	1085	570	1	22F	P-P		d		
2-MS-90	1085	570	1	43	P-EL		d		
2-MS-90	1085	570	1	44	EL-P		d		
2-MS-90	1085	570	1	23S	P-V		d		
2-MS-90	1085	570	3	24F	P-P		d		
2-MS-90	1085	570	1	45	P-EL		d		
2-MS-90	1085	570	1	46	EL-P		d		
2-MS-90	1085	570	1	47	P-EL		d		
2-MS-90	1085	570	1	48	EL-P		d		
2-MS-90	1085	570	1	49	P-EL		d		
2-MS-90	1085	570	1	50	EL-P		d		
2-MS-90	1085	570	1	25S	P-V		d		
2-MS-91	1085	570	32	01F	N-EL	SG-2		C-G	C2.3
2-MS-91	1085	570	32	02S	EL-P			C-G	C2.1
2-MS-91	1085	570			R	2-MSR-6		C-E-2	C2.6
2-MS-91	1085	570	32	03S	P-EL			C-G	C2.1
2-MS-91	1085	570	32	04S	ELRD			C-G	C2.1
2-MS-91	1085	570			R	2-MSR-7		C-E-2	C2.6
2-MS-91	1085	570	30	05F	RD-P			C-G	C2.1
2-MS-91	1085	570			R	2-MSR-8		C-E-2	C2.6
2-MS-91	1085	570	30	06F	P-P			C-G	C2.1
2-MS-91	1085	570			R	2-MSR-9		C-E-2	C2.6
2-MS-91	1085	570			R	2-MSR-10		C-E-2	C2.6
2-MS-91	1085	570	30	07S	P-EL			C-G	C2.1
2-MS-91	1085	570	30	08F	EL-P			C-G	C2.1
2-MS-91	1085	570			H	2-MSH-2		C-E-1,2	C2.5,6
2-MS-91	1085	570			H	2-MSS-3		C-E-1,2	C2.5,6
2-MS-91	1085	570			H	2-MSS-4		C-E-1,2	C2.5,6
2-MS-91	1085	570	30	09F	P-PN	CPN-3		C-G	C2.3



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Main Steam			Class 2		Flow Diagram No. 5105					Rev. 3 7/15/92	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS		
2-MS-91			52	10	PN	CPN-3					
2-MS-92	1085	570	30	01F	PN	CPN-3	C-E-1	C2.5			
2-MS-92	1085	570	30	02F	PN-P	CPN-3	C-E-1	C2.5			
2-MS-92	1085	570	30	3S	P-P		C-G	C2.3			
2-MS-92	1085	570	30	04F	P-V	MRV-220	C-G	C2.3			
2-MS-92	1085	570	30	05F	P-P		C-G	C2.3			
2-MS-92	1085	570			R	REST RING	C-G	C2.1			
2-MS-92	1085	570	30	07S	P-C		C-E-2	C2.6			
2-MS-92	1085	570			R	REST RING	C-G	C2.3			
2-MS-92	1085	570	30	08S	P-C		C-E-2	C2.6			
2-MS-92	1085	570	6	09S	P-P		C-G	C2.3			
2-MS-92	1085	570	6	10S	P-P		C-G	C2.3			
2-MS-92	1085	570	6	11S	P-P		C-G	C2.3			
2-MS-92	1085	570	6	12S	P-P		C-G	C2.3			
2-MS-92	1085	570			S	SUPPORT	C-G	C2.3			
2-MS-92	1085	570	6	13S	P-P		C-E-2	C2.6	Line Support		
2-MS-92	1085	570			S	SUPPORT	C-G	C2.3			
2-MS-92	1085	570	6	38	P-P		C-E-2	C2.6	Line Support		
2-MS-92	1085	570	1	20F	P-P		C-G	C2.1			
2-MS-92	1085	570	1	39	P-EL		d				
2-MS-92	1085	570	1	40	EL-P		d				
2-MS-92	1085	570	1	41	P-EL		d				
2-MS-92	1085	570	1	42	EL-P		d				
2-MS-92	1085	570	1	43	P-EL		d				
2-MS-92	1085	570	1	44	EL-P		d				
2-MS-92	1085	570	1	21S	P-V		d				
2-MS-92	1085	570	1	22F	P-P		d				
2-MS-92	1085	570	1	45	P-EL		d				
2-MS-92	1085	570	1	46	EL-P		d				
2-MS-92	1085	570	1	23S	P-V		d				
2-MS-92	1085	570	1	24F	P-P		d				
2-MS-92	1085	570	1	47	P-EL		d				
2-MS-92	1085	570	1	48	EL-P		d				
2-MS-92	1085	570	1	49	P-EL		d				



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Main Steam				Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-92	1085	570	1	50	EL-P		d		
2-MS-92	1085	570	1	25S	P-V		d		
2-MS-93	1085	570	32	01F	N-EL	SG-3		C-G	C2.3
2-MS-93	1085	570	32	02S	EL-P			C-G	C2.1
2-MS-93	1085	570			R	2-MSR-11		C-E-2	C2.6
2-MS-93	1085	570	32	03S	P-EL			C-G	C2.1
2-MS-93	1085	570	32	04S	EL-R			C-G	C2.1
2-MS-93	1085	570			R	2-MSR-12		C-E-2	C2.6
2-MS-93	1085	570	30	05F	RO-P			C-G	C2.1
2-MS-93	1085	570			R	2-MSR-13		C-E-2	C2.6
2-MS-93	1085	570			R	2-MSR-14		C-E-2	C2.6
2-MS-93	1085	570	30	06F	P-EL			C-G	C2.1
2-MS-93	1085	570			R	2-MSR-15		C-E-2	C2.6
2-MS-93	1085	570	30	07S	P-EL			C-G	C2.1
2-MS-93	1085	570	30	08F	EL-P			C-G	C2.1
2-MS-93	1085	570			H	2-MSH-3		C-E-1,2	C2.5,6
2-MS-93	1085	570			H	2-MSS-6		C-E-1,2	C2.5,6
2-MS-93	1085	570			H	2-MSS-5		C-E-1,2	C2.5,6
2-MS-93	1085	570	30	09F	P-PN	CPN-4		C-G	C2.1
2-MS-93			52	10	PN	CPN-4		C-E-1	C2.5
2-MS-94	1085	570	52	01S	PN	CPN-4		C-E-1	C2.5
2-MS-94	1085	570	30	02F	P-PN	CPN-4		C-G	C2.3
2-MS-94	1085	570	30	03S	P-P			C-G	C2.1
2-MS-94	1085	570	30	04F	P-V	MRV-220		C-G	C2.1
2-MS-94	1085	570	30	05S	P-P			C-G	C2.1
2-MS-94	1085	570	30	06F	P-P			C-G	C2.1
2-MS-94	1085	570	30	07S	P-P			C-G	C2.1
2-MS-94	1085	570			R	REST RING		C-E-2	C2.6
2-MS-94	1085	570	30	08S	P-C			C-G	C2.3
2-MS-94	1085	570			R	REST RING		C-E-2	C2.6
2-MS-94	1085	570	30	09S	P-C			C-G	C2.3
2-MS-94	1085	570	6	10S	P-P			C-G	C2.3
2-MS-94	1085	570	6	11S	P-P			C-G	C2.3
2-MS-94	1085	570	6	12S	P-P			C-G	C2.3



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Main Steam				Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-94	1085	570	6	13S	P-P				
2-MS-94	1085	570	—		S	SUPPORT	C-G	C2.3	
2-MS-94	1085	570	6	14S	P-P		C-E-2	C2.6	Line support
2-MS-94	1085	570	—		S	SUPPORT	C-G	C2.3	
2-MS-94	1085	570	6	39	F-P		C-E-2	C2.6	Line support
2-MS-94	1085	570	1	21F	P-B		C-G	C2.1	
2-MS-94	1085	570	1	40	P-EL		d		
2-MS-94	1085	570	1	41	EL-P		d		
2-MS-94	1085	570	1	42	P-EL		d		
2-MS-94	1085	570	1	43	EL-P		d		
2-MS-94	1085	570	1	22S	P-V		d		
2-MS-94	1085	570	1	23F	P-B		d		
2-MS-94	1085	570	1	44	P-EL		d		
2-MS-94	1085	570	1	45	EL-P		d		
2-MS-94	1085	570	1	24S	P-V		d		
2-MS-94	1085	570	1	25F	P-B		d		
2-MS-94	1085	570	1	46	P-EL		d		
2-MS-94	1085	570	1	47	EL-P		d		
2-MS-94	1085	570	1	48	P-EL		d		
2-MS-94	1085	570	1	49	EL-P		d		
2-MS-94	1085	570	1	50	P-EL		d		
2-MS-94	1085	570	1	51	EL-P		d		
2-MS-94	1085	570	1	26S	P-V		d		
2-MS-95	1085	570	32	01F	N-EL	SG 4			
2-MS-95	1085	570	32	02S	EL-P		C-G	C2.3	
2-MS-95	1085	570			R	2-MSR-16	C-G	C2.1	
2-MS-95	1085	570	32	03S	P-EL		C-E-2	C2.6	
2-MS-95	1085	570	32	04S	ELRD		C-G	C2.1	
2-MS-95	1085	570			R	2-MSR-17	C-G	C2.1	
2-MS-95	1085	570	30	05F	RD-P		C-E-2	C2.6	
2-MS-95	1085	570	30	06F	P-EL		C-G	C2.1	
2-MS-95	1085	570			R	2-MSR-19	C-G	C2.1	
2-MS-95	1085	570			R	2-MSR-20	C-E-2	C2.6	
2-MS-95	1085	570	30	07S	ELEL		C-E-2	C2.6	
							C-G	C2.1	

D. C. COOK NUCLEAR UNIT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Main Steam				Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-95	1085	570	30	08F	EL-P		C-G	C2.1	
2-MS-95	1085	570			H	2-MSH-4	C-E-1,2	C2.5,6	
2-MS-95	1085	570			H	2-MSS-8	C-E-1,2	C2.5,6	
2-MS-95	1085	570			H	2-MSS-7	C-E-1,2	C2.5,6	
2-MS-95	1085	570	30	09F	P-PN	CPN-5	C-G	C2.3	
2-MS-95			52	10	PN	CPN-5	C-E-1	C2.5	
2-MS-96	1085	570	32	01S	PN	CPN-5	C-E-1	C2.5	
2-MS-96	1085	570	32	02F	P-PN	CPN-5	C-G	C2.3	
2-MS-96	1085	570	32	03S	P-P		C-G	C2.1	
2-MS-96	1085	570	32	04F	P-V	MRV-240	C-G	C2.3	
2-MS-96	1085	570	30	05F	P-P		C-G	C2.1	
2-MS-96	1085	570			R	REST RING	C-E-2	C2.6	
2-MS-96	1085	570	30	06S	P-C		C-G	C2.3	
2-MS-96	1085	570			R	REST RING	C-E-2	C2.6	
2-MS-96	1085	570	30	07S	P-C		C-G	C2.3	
2-MS-96	1085	570	6	08S	P-F		C-G	C2.3	
2-MS-96	1085	570	6	09S	P-F		C-G	C2.3	
2-MS-96	1085	570	6	10S	P-F		C-G	C2.3	
2-MS-96	1085	570	6	16F	P-B		C-G	C2.3	
2-MS-96	1085	570	6	11S	P-F		C-G	C2.3	
2-MS-96	1085	570	—		S	SUPPORT	C-E-2	C2.6	
2-MS-96	1085	570	6	12S	P-F		C-G	C2.3	
2-MS-96	1085	570	—		S	SUPPORT	C-E-2	C2.6	
2-MS-96	1085	570	6	37	P-P		C-G	C2.1	
2-MS-96	1085	570	1	19F	P-8		d		
2-MS-96	1085	570	1	38	P-EL		d		
2-MS-96	1085	570	1	39	EL-P		d		
2-MS-96	1085	570	1	40	P-EL		d		
2-MS-96	1085	570	1	41	EL-P		d		
2-MS-96	1085	570	1	20S	P-V		d		
2-MS-96	1085	570	1	21F	P-B		d		
2-MS-96	1085	570	1	42	P-EL		d		
2-MS-96	1085	570	1	43	EL-P		d		
2-MS-96	1085	570	1	22S	P-V		d		



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Main Steam		Class 2		Flow Diagram No. 5105		Rev. 3 7/15/82			
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-MS-96	1085	570	1	23F	P-B		d		
2-MS-96	1085	570	1	44	P-EL		d		
2-MS-96	1085	570	1	45	EL-P		d		
2-MS-96	1085	570	1	46	P-EL		d		
2-MS-96	1085	570	1	47	EL-P		d		
2-MS-96	1085	570	1	48	P-EL		d		
2-MS-96	1085	570	1	49	EL-P		d		
2-MS-96	1085	570	1	24S	P-V.		d		

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No. 5106					Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
BLI-110,V1	1085	600	0.75	ALL		ALL	d			
BLI-120,V1	1085	600	0.75	ALL		ALL	d			
BLI-130,V1	1085	600	0.75	ALL		ALL	d			
BLI-140,V1	1085	600	0.75	ALL		ALL	d			
BLP-110,V1	1085	600	0.75	ALL		ALL	d			
BLP-110,V2	1085	600	0.75	ALL		ALL	d			
BLP-111,V1	1085	600	0.75	ALL		ALL	d			
BLP-111,V2	1085	600	0.75	ALL		ALL	d			
BLP-112,V1	1085	600	0.75	ALL		ALL	d			
BLP-112,V2	1085	600	0.75	ALL		ALL	d			
BLP-120,V1	1085	600	0.75	ALL		ALL	d			
BLP-120,V2	1085	600	0.75	ALL		ALL	d			
BLP-121,V1	1085	600	0.75	ALL		ALL	d			
BLP-121,V2	1085	600	0.75	ALL		ALL	d			
BLP-122,V1	1085	600	0.75	ALL		ALL	d			
BLP-122,V2	1085	600	0.75	ALL		ALL	d			
BLP-130,V1	1085	600	0.75	ALL		ALL	d			
BLP-130,V2	1085	600	0.75	ALL		ALL	d			
BLP-131,V1	1085	600	0.75	ALL		ALL	d			
BLP-131,V2	1085	600	0.75	ALL		ALL	d			
BLP-132,V1	1085	600	0.75	ALL		ALL	d			
BLP-132,V2	1085	600	0.75	ALL		ALL	d			
BLP-140,V1	1085	600	0.75	ALL		ALL	d			
BLP-140,V2	1085	600	0.75	ALL		ALL	d			
BLP-141,V1	1085	600	0.75	ALL		ALL	d			
BLP-141,V2	1085	600	0.75	ALL		ALL	d			
BLP-142,V1	1085	600	0.75	ALL		ALL	d			
BLP-142,V2	1085	600	0.75	ALL		ALL	d			
2-CF-532	1085	600	0.5	ALL		ALL	d			
2-CF-533	1085	600	0.50	ALL		ALL	d			
2-CF-533	1150	100	0.50	ALL		ALL	d			
2-CF-534	1085	600	0.50	ALL		ALL	d			
2-CF-534	1150	100	0.50	ALL		ALL	d			
2-CF-535	1085	600	0.5	ALL		ALL	d			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No.		5106	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO.	IWC1220 CATEG	IWC2600	REMARKS
2-CF-535	1150	100	0.5	ALL		ALL	d		
2-DF-532	1150	100	0.5	ALL		ALL	d		
2-FW-70	1170	440	14	01F	V-P	FMO-201	C-G	C2.1	
2-FW-70	1170	440	14	02S	P-EL		C-G	C2.1	
2-FW-70	1170	440			H	2-GFW-L867	C-E-1,2	C2.5,6	
2-FW-70	1170	440	14	03S	EL-P		C-G	C2.1	
2-FW-70	1170	440			H	2-GFW-S868	C-E-2	C2.6	
2-FW-70	1170	440			H	2-GFW-S869	C-E-2	C2.6	
2-FW-70	1170	440	14	04F	P-EL		C-G	C2.1	
2-FW-70	1170	440	1	05F	P-B		d		
2-FW-70	1170	440	1	06F	P-EL		d		
2-FW-70	1170	440	1	07F	EL-P		d		
2-FW-70	1170	440	1	08F	P-V		d		
2-FW-70	1170	440	14	09S	EL-P				
2-FW-70	1170	440			H	2-GFW-V870	C-G	C2.1	
2-FW-70	1170	440	14	10F	P-P		C-E-2	C2.6	
2-FW-70	1170	440			H	2-GFW-L871	C-G	C2.1	
2-FW-70	1170	440	14	11F	P-P		C-E-2	C2.6	
2-FW-70	1170	440	14	12F	P-P		C-G	C2.1	
2-FW-70	1170	440	14	13S	P-EL		C-G	C2.1	
2-FW-70	1170	440	14	14F	EL-P		C-G	C2.1	
2-FW-70	1170	440	1.25	15F	P-B		C-G	C2.1	
2-FW-70	1170	440	1.25	16F	P-B		d		
2-FW-70	1170	440			R	Restraint	d		
2-FW-70	1170	440	14	17F	P-V	FW-118	C-E-2	C2.6	
2-FW-70	1085	600	14	18F	V-P	FW-118	C-G	C2.1	
2-FW-70	1085	600	14	19F	P-PN	CPN-7	C-G	C2.1	
2-FW-70	1085	600	6	44	P-P		C-G	C2.1	
2-FW-70	1170	440	0.75	20F	P-B		C-G	C2.1	
2-FW-70	1170	440	0.75	21S	P-EL		d		
2-FW-70	1170	440	0.75	22S	EL-P		d		
2-FW-70	1170	440	0.75	23S	P-V		d		
2-FW-70	1170	440	0.75	24F	P-B		d		
2-FW-70	1170	440	0.75	25S	P-EL		d		



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Feedwater		Class 2		Flow Diagram No. 5106		Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-70	1170	440	0.75	26S	EL-P		d		
2-FW-70	1170	440	0.75	27S	P-V		d		
2-FW-70	1170	440	0.75	28F	P-B		d		
2-FW-70	1170	440	0.75	29S	P-EL		d		
2-FW-70	1170	440	0.75	30S	EL-P		d		
2-FW-70	1170	440	0.75	31S	P-V		d		
2-FW-70	1170	440	0.75	32F	P-B		d		
2-FW-70	1170	440	0.75	33S	P-EL		d		
2-FW-70	1170	440	0.75	34S	EL-P		d		
2-FW-70	1170	440	0.75	35S	P-V		d		
2-FW-70	1170	440	1	36F	P-B		d		
2-FW-70	1170	440	1	37F	P-V		d		
2-FW-70	1635	102	6	38F	P-EL		d		
2-FW-70	1085	600	0.5	39F	P-B		d	C-G	C2.1
2-FW-70	1085	600	0.75	40F	PN				
2-FW-71,1	1170	440	14	01F	V-P	FMO-204		C-E-1	C2.5
2-FW-71,1	1170	440	14	02S	P-EL			C-G	C2.1
2-FW-71,1	1170	440			H	2-GFW-L872		C-G	C2.1
2-FW-71,1	1170	440	14	03S	EL-P			C-E-1,2	C2.5,6
2-FW-71,1	1170	440			H	2-GFW-S873		C-G	C2.1
2-FW-71,1	1170	440	14	04S	P-EL			C-E-2	C2.6
2-FW-71,1	1170	440	14	05S	EL-P			C-G	C2.1
2-FW-71,1	1170	440	14	06S	P-EL			C-G	C2.1
2-FW-71,1	1170	440	14	07F	EL-P			C-G	C2.1
2-FW-71,1	1170	440			H	2-GFW-V874		C-G	C2.1
2-FW-71,1	1170	440			H	2-GFW-V875		C-E-1,2	C2.5,6
2-FW-71,1	1170	440	14	08F	P-P			C-E-1,2	C2.5,6
2-FW-71,1	1170	440	1	10F	P-B			C-G	C2.1
2-FW-71,1	1170	440	1	11S	P-EL		d		
2-FW-71,1	1170	440	1	12S	EL-P		d		
2-FW-71,1	1170	440	1	13S	P-V		d		
2-FW-71,2	1170	440	14	08F	PN	CPN-10		C-E-1	C2.5
2-FW-71,2	1170	440	14	01F	P-P			C-G	C2.1
2-FW-71,2	1170	440			H	2-GFW-R876		C-E-2	C2.6

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater			Class 2		Flow Diagram No. 5106		Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-71,2	1170	440	14	02F	P-P		C-G	C2.1	
2-FW-71,2	1170	440	14	03S	P-EL		C-G	C2.1	
2-FW-71,2	1170	440	14	04F	EL-P		C-G	C2.1	
2-FW-71,2	1170	440			R	Restraint	C-E-2	C2.6	
2-FW-71,2	1170	440	14	05F	P-V	FW-118-4	C-G	C2.1	
2-FW-71,2	1085	600	14	06F	V-P	FW-118-4	C-G	C2.1	
2-FW-71,2	1085	600	14	07F	P-PN	CPN-10	C-G	C2.1	
2-FW-71,2	1170	440	6	33	P-P		C-G	C2.1	
2-FW-71,2	1170	440	0.75	09F	P-B		d		
2-FW-71,2	1170	440	0.75	10S	P-EL		d		
2-FW-71,2	1170	440	0.75	11S	EL-P		d		
2-FW-71,2	1170	440	0.75	12S	P-V		d		
2-FW-71,2	1170	440	0.75	13F	P-B		d		
2-FW-71,2	1170	440	0.75	14S	P-EL		d		
2-FW-71,2	1170	440	0.75	15S	EL-P		d		
2-FW-71,2	1170	440	0.75	16S	P-V		d		
2-FW-71,2	1170	440	0.75	17F	P-B		d		
2-FW-71,2	1170	440	0.75	18S	P-EL		d		
2-FW-71,2	1170	440	0.75	19S	EL-P		d		
2-FW-71,2	1170	440	0.75	20S	P-V		d		
2-FW-71,2	1170	440	0.75	21F	P-B		d		
2-FW-71,2	1170	440	0.75	22S	P-EL		d		
2-FW-71,2	1170	440	0.75	23S	EL-P		d		
2-FW-71,2	1170	440	0.75	24S	P-V		d		
2-FW-71,2	1170	440	1	25F	P-B		d		
2-FW-71,2	1170	440	1	26S	P-V		d		
2-FW-71,2	1170	440	1.25	27F	P-B		d		
2-FW-71,2	1170	440	1.25	28F	P-B		d		
2-FW-71,2	1170	440	0.5	29F	P-B		d		
2-FW-72,1	1170	440	14	01F	V-P	FMO-203	C-G	C2.1	
2-FW-72,1	1170	440	14	02S	P-EL		C-G	C2.1	
2-FW-72,1	1170	440			H	2-GFW-L878	C-E-1,2	C2.5,6	
2-FW-72,1	1170	440	14	03S	EL-P		C-G	C2.1	
2-FW-72,1	1170	440	14	04S	P-EL		C-G	C2.1	

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D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater			Class 2		Flow Diagram No.		5106	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-FW-72,1	1170	440	14	05F	EL-P		C-G	C2.1		
2-FW-72,1	1170	440	14	06S	P-EL		C-G	C2.1		
2-FW-72,1	1170	440	14	07S	EL-P		C-G	C2.1		
2-FW-72,1	1170	440			H	2-GFW-V879	C-E-1,2	C2.5,6		
2-FW-72,1	1170	440			H	2-GFW-L880	C-E-2	C2.6		
2-FW-72,1	1170	440	14	08F	P-P		C-G	C2.1		
2-FW-72,1	1170	440	1	09F	P-B		d			
2-FW-72,1	1170	440	1	10S	P-V		d			
2-FW-72,2	1170	440	14	01F	P-P		C-G	C2.1		
2-FW-72,2	1170	440			H	2-GFW-V881	C-E-2	C2.6		
2-FW-72,2	1170	440	14	02S	P-EL		C-G	C2.1		
2-FW-72,2	1170	440	14	03F	ELEL		C-G	C2.1		
2-FW-72,2	1170	440	14	04S	EL-P		C-G	C2.1		
2-FW-72,2	1170	440			H	2-GFW-L882	C-E-1,2	C2.5,6		
2-FW-72,2	1170	440	14	05F	P-P		C-G	C2.1		
2-FW-72,2	1170	440			H	2-GFW-V883	C-E-1,2	C2.5,6		
2-FW-72,2	1170	440			H	2-GFW-L884	C-E-1,2	C2.5,6		
2-FW-72,2	1170	440			H	2-GFW-S885	C-E-1,2	C2.5,6		
2-FW-72,2	1170	440	14	06F	P-EL		C-G	C2.1		
2-FW-72,2	1170	440	14	07S	EL-P		C-G	C2.1		
2-FW-72,2	1170	440	14	08S	P-EL		C-G	C2.1		
2-FW-72,2	1170	440	14	09F	EL-P		C-G	C2.1		
2-FW-72,2	1170	440			R	Restraint	C-E-1,2	C2.5,6		
2-FW-72,2	1170	440	14	10F	P-V	FW-118-3	C-G	C2.1		
2-FW-72,2	1085	600	14	11F	V-P	FW-118-3	C-G	C2.1		
2-FW-72,2	1085	600	14	12F	P-PN	CPN-9	C-G	C2.1		
2-FW-72,2	1635	102	6	38	P-P		C-G	C2.1		
2-FW-72,2	1085	600	0.75	14F	P-B		d			
2-FW-72,2	1065	600	0.75	15S	P-EL		d			
2-FW-72,2	1085	600	0.75	16S	EL-P		d			
2-FW-72,2	1085	600	0.75	17S	P-V		d			
2-FW-72,2	1085	600	0.75	18F	P-B		d			
2-FW-72,2	1085	600	0.75	19S	P-EL		d			
2-FW-72,2	1085	600	0.75	20S	EL-P		d			





D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No. 5106		Rev. 3 7/15/82		
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-72,2	1085	600	0.75	21S	P-V		d		
2-FW-72,2	1085	600	0.75	22F	P-B		d		
2-FW-72,2	1085	600	0.75	23S	P-EL		d		
2-FW-72,2	1085	600	0.75	24S	EL-P		d		
2-FW-72,2	1085	600	0.75	25S	P-V		d		
2-FW-72,2	1085	600	0.75	26F	P-B		d		
2-FW-72,2	1085	600	0.75	27S	P-EL		d		
2-FW-72,2	1085	600	0.75	28S	EL-P		d		
2-FW-72,2	1085	600	0.75	29S	P-V		d		
2-FW-72,2	1085	600	1	30F	P-B		d		
2-FW-72,2	1085	600	1	31S	P-V		d		
2-FW-72,2	1085	600	1.25	32F	P-B		d		
2-FW-72,2	1085	600	1.25	33F	P-B		d		
2-FW-72,2	1085	600	0.50	34F	P-B		d		
2-FW-73	1170	440	14	01F	V-P	FMO-202	C-G	C2.1	
2-FW-73	1170	440	14	02S	P-EL		C-G	C2.1	
2-FW-73	1170	440			H	2-GFW-L887	C-E-1,2	C2.5,6	
2-FW-73	1170	440	14	03S	EL-P		C-G	C2.1	
2-FW-73	1170	440	14	04S	P-EL		C-G	C2.1	
2-FW-73	1170	440	14	05F	EL-P		C-G	C2.1	
2-FW-73	1170	440	14	06S	P-EL		C-G	C2.1	
2-FW-73	1170	440	14	07S	EL-P		C-G	C2.1	
2-FW-73	1170	440			H	2-GFW-L888	C-E-1,2	C2.5,6	
2-FW-73	1170	440			H	2-GFW-V889	C-E-1,2	C2.5,6	
2-FW-73	1170	440	14	08F	P-P		C-G	C2.1	
2-FW-73	1170	440	1	09F	P-B		d		
2-FW-73	1170	440	1	10S	P-V		d		
2-FW-73	1170	440	14	11F	P-P		C-G	C2.1	
2-FW-73	1170	440			H	2-GFW-R890	C-E-1,2	C2.5,6	
2-FW-73	1170	440			H	2-GFW-S891	C-E-1,2	C2.5,6	
2-FW-73	1170	440	14	12S	P-EL		C-G	C2.1	
2-FW-73	1170	440	14	13F	EL-P		C-G	C2.1	
2-FW-73	1170	440			H	2-GFW-V892	C-E-2	C2.6	
2-FW-73	1170	440	14	14S	P-EL		C-G	C2.1	

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D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater				Class 2		Flow Diagram No.	5106		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-FW-73	1170	440	14	15F	EL-P		C-G	C2.1		
2-FW-73	1170	440	14	16S	P-EL		C-G	C2.1		
2-FW-73	1170	440	14	17F	EL-P		C-G	C2.1		
2-FW-73	1170	440			R	Restraint	C-E-2	C2.6		
2-FW-73	1170	440	14	18F	P-V	FW-118-2	C-G	C2.1		
2-FW-73	1085	600	14	19F	V-P	FW-118-2	C-G	C2.1		
2-FW-73	1085	600	14	20F	P-PN	CPN-8	C-G	C2.1		
2-FW-73	1085	600	14	38F	P-F	CPN-8	C-E-1	C2.5		
2-FW-73	1635	102	6	42	P-P		C-G	C2.1		
2-FW-73	1170	440	0.75	21F	P-B		d			
2-FW-73	1170	440	0.75	22S	P-V		d			
2-FW-73	1170	440	0.75	23F	P-B		d			
2-FW-73	1170	440	0.75	24S	P-V		d			
2-FW-73	1170	440	0.75	25F	P-B		d			
2-FW-73	1170	440	0.75	26S	P-EL		d			
2-FW-73	1170	440	0.75	27S	EL-P		d			
2-FW-73	1170	440	0.75	28S	P-V		d			
2-FW-73	1170	440	0.75	29F	P-B		d			
2-FW-73	1170	440	0.75	30S	P-EL		d			
2-FW-73	1170	440	0.75	31S	EL-P		d			
2-FW-73	1170	440	0.75	32S	P-V		d			
2-FW-73	1170	440	1	33F	P-B		d			
2-FW-73	1170	440	1	34S	P-V		d			
2-FW-73	1170	440	1.25	35F	P-B		d			
2-FW-73	1170	440	1.25	36F	P-B		d			
2-FW-73	1085	600	0.5	37F	P-B		d			
2-FW-74	1085	600	14	01F	PN	CPN-8	C-G	C2.1		
2-FW-74	1085	600	14	02F	PN-P	CPN-8	C-G	C2.1		
2-FW-74	1085	600	14	03S	P-EL		C-G	C2.1		
2-FW-74	1085	600	14	04S	EL-P		C-G	C2.1		
2-FW-74	1085	600			H	2-FWR-8	C-E-2	C2.6		
2-FW-74	1085	600	14	05S	P-EL		C-G	C2.1		
2-FW-74	1085	600	14	06F	EL-P		C-G	C2.1		
2-FW-74	1085	600			H	2-FWS-6	C-E-2	C2.6		

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No. 5106		Rev. 3 7/15/82		
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-74	1085	600	14	07S	P-EL		C-G	C2.1	
2-FW-74	1085	600			H	2-FWS-5	C-E-1,2	C2.5,6	
2-FW-74	1085	600			H	2-FWH-2	C-E-2	C2.6	
2-FW-74	1085	600	14	08F	EL-P		C-G	C2.1	
2-FW-74	1085	600			H	2-FWS-4	C-E-1,2	C2.5,6	
2-FW-74	1085	600			H	2-FWR-7	C-E-1,2	C2.5,6	
2-FW-74	1085	600	14	09S	P-EL		C-G	C2.1	
2-FW-74	1085	600	14	10F	EL-P		C-G	C2.1	
2-FW-74	1085	600			H	2-FWR-5	C-E-2	C2.6	
2-FW-74	1085	600	14	11S	P-RD		C-G	C2.1	
2-FW-74	1085	600	16	12S	RDEL		C-G	C2.1	
2-FW-74	1085	600	16	13F	EL-N	Steam Gen 2	C-G	C2.1	
2-FW-74	1085	600	1	14F	P-B		d		
2-FW-74	1065	600	1	15S	P-V		d		
2-FW-75	1085	600	14	01F	PN	CPN-9	C-G	C2.1	
2-FW-75	1085	600	14	02F	PN-P	CPN-9	C-G	C2.1	
2-FW-75	1085	600	14	03S	P-EL		C-G	C2.1	
2-FW-75	1085	600	14	04S	EL-P		C-G	C2.1	
2-FW-75	1085	600			H	2-FWR-12	C-E-2	C2.6	
2-FW-75	1085	600	14	05S	P-EL		C-G	C2.1	
2-FW-75	1085	600	14	06F	EL-P		C-G	C2.1	
2-FW-75	1085	600			H	2-FWS-9	C-E-1,2	C2.5,6	
2-FW-75	1085	600	14	07F	P-EL		C-G	C2.1	
2-FW-75	1085	600	14	08S	EL-P		C-G	C2.1	
2-FW-75	1085	600			H	2-FWH-3	C-E-2	C2.6	
2-FW-75	1085	600			H	2-FWS-7	C-E-2	C2.6	
2-FW-75	1085	600			H	2-FWS-8	C-E-2	C2.6	
2-FW-75	1085	600			H	2-FWR-11	C-E-2	C2.6	
2-FW-75	1085	600	14	09S	P-EL		C-G	C2.1	
2-FW-75	1085	600	14	10F	EL-P		C-G	C2.1	
2-FW-75	1085	600			H	2-FWR-10	C-E-2	C2.6	
2-FW-75	1085	600			H	2-FWR-9	C-E-2	C2.6	
2-FW-75	1085	600	14	11S	P-RD		C-G	C2.1	
2-FW-75	1085	600	16	12S	RDEL		C-G	C2.1	

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No. 5106					Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-FW-75	1085	600	16	13F	EL-N	SG-3		C-G	C2.1	
2-FW-75	1085	600	1	14F	P-B		d			
2-FW-75	1085	600	1	15S	P-V		d			
2-FW-76	1085	600	14	01F	PN-P	CPN-10		C-G	C2.1	
2-FW-76	1085	600	14	15F	PN	CPN-10		C-G	C2.1	
2-FW-76	1085	600	14	02S	P-EL			C-G	C2.1	
2-FW-76	1085	600	14	03S	EL-P			C-G	C2.1	
2-FW-76	1085	600			H	2-FWR-16		C-E-2	C2.6	
2-FW-76	1085	600	14	04S	P-EL			C-G	C2.1	
2-FW-76	1085	600	14	05F	EL-P			C-G	C2.1	
2-FW-76	1085	600			H	2-FWS-12		C-E-2	C2.6	
2-FW-76	1085	600	14	06S	P-EL			C-G	C2.1	
2-FW-76	1085	600	14	07F	EL-P			C-G	C2.1	
2-FW-76	1085	600			H	2-FWH-4		C-E-2	C2.6	
2-FW-76	1085	600			H	2-FWR-15		C-E-2	C2.6	
2-FW-76	1085	600			H	2-FWS-11		C-E-2	C2.6	
2-FW-76	1085	600			H	2-FWS-10		C-E-2	C2.6	
2-FW-76	1085	600	14	08S	P-EL			C-G	C2.1	
2-FW-76	1085	600	14	09F	EL-P			C-G	C2.1	
2-FW-76	1085	600			H	2-FWR-14		C-E-2	C2.6	
2-FW-76	1085	600			H	2-FWR-13		C-E-2	C2.6	
2-FW-76	1085	600	14	10S	P-RD			C-G	C2.1	
2-FW-76	1085	600	16	11S	RDEL			C-G	C2.1	
2-FW-76	1085	600	16	12F	EL-N	SG-4		C-G	C2.1	
2-FW-76	1085	600	1	13F	P-B		d			
2-FW-76	1085	600	1	14S	P-V		d			
2-FW-77	1085	600	14	01F	PN-P	CPN-7		C-G	C2.1	
2-FW-77	1085	600	14	14F	PN	CPN-7		C-G	C2.1	
2-FW-77	1085	600	14	02S	P-EL			C-G	C2.1	
2-FW-77	1085	600	14	03S	EL-P			C-G	C2.1	
2-FW-77	1085	600			H	2-FWR-4		C-E-2	C2.6	
2-FW-77	1085	600	14	04S	P-EL			C-G	C2.1	
2-FW-77	1085	600	14	05F	EL-P			C-G	C2.1	
2-FW-77	1085	600			H	2-FWS-3		C-E-2	C2.6	



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater				Class 2	Flow Diagram No.	5106		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-77	1085	600	14	16S	P-P		C-G	C2.1	
2-FW-77	1085	600	14	06S	P-EL		C-G	C2.1	
2-FW-77	1085	600	14	07F	EL-P		C-G	C2.1	
2-FW-77	1085	600			H	2-FWH-1	C-E-2	C2.6	
2-FW-77	1085	600			H	2-FWS-1	C-E-2	C2.6	
2-FW-77	1085	600			H	2-FWS-2	C-E-2	C2.6	
2-FW-77	1085	600			R	2-FWR-3	C-E-2	C2.6	
2-FW-77	1085	600	14	08S	P-EL		C-G	C2.1	
2-FW-77	1085	600	14	09F	EL-P		C-G	C2.1	
2-FW-77	1085	600			H	2-FWR-2	C-E-2	C2.6	
2-FW-77	1085	600			H	2-FWR-1	C-E-2	C2.6	
2-FW-77	1085	600	14	10S	P-RD		C-G	C2.1	
2-FW-77	1085	600	16	11S	RDEL		C-G	C2.1	
2-FW-77	1085	600	14	17F	EL-N	SG-1	C-G	C2.1	
2-FW-77	1085	600	1	12F	P-B		C-G	C2.1	
2-FW-77	1085	600	1	13S	P-V				
2-FW-78	1635	102	6	01F	P-EL		C-G	C2.1	
2-FW-78	1635	102	6	02S	EL-P		C-G	C2.1	
2-FW-78	1635	102	6	03S	P-F		C-G	C2.1	
2-FW-78	1635	102	6	04S	F-P		C-G	C2.1	
2-FW-78	1635	102	6	24	P-P		C-G	C2.1	
2-FW-78	1635	102	6	25S	P-EL		C-G	C2.1	
2-FW-78	1635	102	6	26S	EL-P		C-G	C2.1	
2-FW-78	1635	102	6	05S	P-EL		C-G	C2.1	
2-FW-78	1635	102	6	06S	EL-P		C-G	C2.1	
2-FW-78	1635	102			R	2-GFW-L842	C-E-1,2	C2.5,6	
2-FW-78	1635	102	6	07F	P-EL		C-G	C2.1	
2-FW-78	1635	102	6	08S	EL-P		C-G	C2.1	
2-FW-78	1635	102			R	2-GFW-L843	C-E-2	C2.6	
2-FW-78	1635	102	6	09F	P-P		C-G	C2.1	
2-FW-78	1635	102	6	10S	P-TE		C-G	C2.1	
2-FW-78	1635	102	6	11F	TE-P		C-G	C2.1	
2-FW-78	1635	102			R	2-GFW-R844	C-E-2	C2.6	
2-FW-78	1635	102	6	12S	P-TE		C-G	C2.1	

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D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No.		5106	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-78	1635	102	6	13S	TE-C				
2-FW-78	1635	102	0.75	14F	P-B		d	C-G	C2.1
2-FW-78	1635	102	0.75	15F	P-B		d		
2-FW-78	1635	102	0.75	16F	P-B		d		
2-FW-78	1635	102	0.75	17S	P-EL		d		
2-FW-78	1635	102	0.75	18S	EL-P		d		
2-FW-78	1635	102	0.75	19S	P-V		d		
2-FW-78	1635	102	0.75	20F	P-B		d		
2-FW-78	1635	102	0.75	21S	P-EL		d		
2-FW-78	1635	102	0.75	22S	EL-P		d		
2-FW-78	1635	102	0.75	23S	P-V		d		
2-FW-79	1635	102	6	01S	C-TE			C-G	C2.1
2-FW-79	1635	102	6	02S	TE-P			C-G	C2.1
2-FW-79	1635	102			H	2-GFW-R841		C-E-2	C2.6
2-FW-79	1635	102	6	03S	P-TE			C-G	C2.1
2-FW-79	1635	102	6	04S	TE-P			C-G	C2.1
2-FW-79	1635	102	6	05F	P-P			C-G	C2.1
2-FW-79	1635	102			H	2-GFW-R840		C-E-2	C2.6
2-FW-79	1635	102	6	06S	P-EL			C-G	C2.1
2-FW-79	1635	102	6	07F	EL-P			C-G	C2.1
2-FW-79	1635	102			H	2-GFW-L839		C-E-1,2	C2.5,6
2-FW-79	1635	102	6	08S	P-EL			C-G	C2.1
2-FW-79	1635	102	6	09S	EL-P			C-G	C2.1
2-FW-79	1635	102	6	23S	P-EL			C-G	C2.1
2-FW-79	1635	102	6	24S	EL-P			C-G	C2.1
2-FW-79	1635	102	6	25S	P-P			C-G	C2.1
2-FW-79	1635	102	6	10S	P-F			C-G	C2.1
2-FW-79	1635	102	6	11S	F-P			C-G	C2.1
2-FW-79	1635	102	6	12S	P-EL			C-G	C2.1
2-FW-79	1635	102	0.75	13F	P-B		d		
2-FW-79	1635	102	0.75	14F	P-B		d		
2-FW-79	1635	102	0.75	15F	P-B		d		
2-FW-79	1635	102	0.75	16S	P-EL		d		
2-FW-79	1635	102	0.75	17S	EL-P		d		



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No.		5106	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-FW-79	1635	102	0.75	18S	P-V		d		
2-FW-79	1635	102	0.75	19F	P-B		d		
2-FW-79	1635	102	0.75	20S	P-EL		d		
2-FW-79	1635	102	0.75	21S	EL-P		d		
2-FW-79	1635	102	0.75	22S	P-V		d		
2-FW-80	1635	102	6	01F	P-EL		C-G	C2.1	
2-FW-80	1635	102	6	02S	EL-P		C-G	C2.1	
2-FW-80	1635	102	6	21S	P-P		C-G	C2.1	
2-FW-80	1635	102	6	03S	P-F		C-G	C2.1	
2-FW-80	1635	102	6	04S	F-P		C-G	C2.1	
2-FW-80	1635	102	6	22S	P-EL		C-G	C2.1	
2-FW-80	1635	102	6	23S	EL-P		C-G	C2.1	
2-FW-80	1635	102	6	05F	P-EL		C-G	C2.1	
2-FW-80	1635	102	6	06S	EL-P		C-G	C2.1	
2-FW-80	1635	102	6	24	P-P		C-G	C2.1	
2-FW-80	1635	102			H	2-GFW-L835	C-E-1,2	C2.5,6	
2-FW-80	1635	102	6	07F	P-EL		C-G	C2.1	
2-FW-80	1635	102	6	08S	EL-P		C-G	C2.1	
2-FW-80	1635	102	6	25	P-P		C-G	C2.1	
2-FW-80	1635	102			R	2-GFW-L836	C-E-2	C2.6	
2-FW-80	1635	102	6	09F	P-EL		C-G	C2.1	
2-FW-80	1635	102	6	10S	EL-P		C-G	C2.1	
2-FW-80	1635	102	6	11S	P-TE		C-G	C2.1	
2-FW-80	1635	102	6	12S	TE-P		C-G	C2.1	
2-FW-80	1635	102			H	2-GFW-L837	C-E-2	C2.6	
2-FW-80	1635	102			H	2-GFW-V838	C-E-2	C2.6	
2-FW-80	1635	102	6	13S	P-TE		C-G	C2.1	
2-FW-80	1635	102	6	14S	TE-C		C-G	C2.1	
2-FW-81	1635	102	6	01F	P-EL		C-G	C2.1	
2-FW-81	1635	102	6	02S	EL-P		C-G	C2.1	
2-FW-81	1635	102	6	03S	P-F		C-G	C2.1	
2-FW-81	1635	102	6	04S	F-P		C-G	C2.1	
2-FW-81	1635	102	6	21S	P-P		C-G	C2.a	
2-FW-81	1635	102	6	22S	P-EL		C-G	C2.1	



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater	Class 2				Flow Diagram No. 5106			Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-FW-81	1635	102	6	23S	EL-P		C-G	C2.1		
2-FW-81	1635	102	6	05F	P-EL		C-G	C2.1		
2-FW-81	1635	102	6	06S	EL-P		C-G	C2.1		
2-FW-81	1635	102			H	2-GFW-L830	C-E-1,2	C2.5,6		
2-FW-81	1635	102	6	07F	P-EL		C-G	C2.1		
2-FW-81	1635	102	6	08S	EL-P		C-G	C2.1		
2-FW-81	1635	102	6	24	P-P		C-G	C2.1		
2-FW-81	1635	102			H	2-GFW-V832	C-E-2	C2.6		
2-FW-81	1635	102	6	09F	P-EL		C-G	C2.1		
2-FW-81	1635	102	6	10S	EL-P		C-G	C2.1		
2-FW-81	1635	102			H	2-GFW-L833	C-E-2	C2.6		
2-FW-81	1635	102	6	12S	TE-P		C-G	C2.1		
2-FW-81	1635	102			H	2-GFW-V834	C-E-2	C2.6		
2-FW-81	1635	102	6	13S	P-TE		C-G	C2.1		
2-FW-81	1635	102	6	14S	TE-C		C-G	C2.1		
2-FW-81	1635	102	0.75	15F	P-B		d			
2-FW-81	1635	102	0.75	16F	P-B		d			
2-FW-81	1635	102	0.75	17S	P-V		d			
2-FW-81	1635	102	0.75	18F	P-B		d			
2-FW-81	1635	102	0.75	19F	P-B		d			
2-FW-81	1635	102	0.75	20S	P-V		d			
2-FW-82	1635	102	6	11S	P-TE		C-G	C2.1		

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Feedwater		Class 2		Flow Diagram No.		5106A		Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-FW-53	1635	102	4	ALL		ALL	d			
2-FW-54	1635	102	4	ALL		ALL	d			
2-FW-55	1635	102	4	ALL		ALL	d			
2-FW-56	1635	102	4	ALL		ALL	d.			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Non-Essential Service Water			Class 2		Flow Diagram No. 5114A			Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-NSW-100	115	150	6	ALL		ALL	a			
2-NSW-101	115	150	6	ALL		ALL	a			
2-NSW-102	115	150	3	ALL		ALL	d			
2-NSW-103	115	150	3	ALL		ALL	d			
2-NSW-104	115	150	3	ALL		ALL	d			
2-NSW-105	115	150	3	ALL		ALL	d			
2-NSW-106	115	150	2.5	ALL		ALL	d			
2-NSW-107	115	150	2.5	ALL		ALL	d			
2-NSW-108	115	150	3	ALL		ALL	d			
2-NSW-109	115	150	3	ALL		ALL	d			
2-NSW-110	115	150	3	ALL		ALL	d			
2-NSW-111	115	150	3	ALL		ALL	d			
2-NSW-112	115	150	6	ALL		ALL	a			
2-NSW-113	115	150	3	ALL		ALL	d			
2-NSW-114	115	150	4	ALL		ALL	d			
2-NSW-115	115	150	6	ALL		ALL	a			
2-NSW-116	115	150	6	ALL		ALL	a			
2-NSW-117	115	150	4	ALL		ALL	d			
2-NSW-118	115	150	3	ALL		ALL	d			
2-NSW-119	115	150	3	ALL		ALL	d			
2-NSW-120	115	150	3	ALL		ALL	d			
2-NSW-121	115	150	3	ALL		ALL	d			
2-NSW-122	115	150	4	ALL		ALL	d			
2-NSW-123	115	150	6	ALL		ALL	a			
2-NSW-124	115	150	6	ALL		ALL	a			
2-NSW-125	115	150	4	ALL		ALL	d			
2-NSW-126	115	150	3	ALL		ALL	d			
2-NSW-146	115	150	6	ALL		ALL	a			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Make-up Water & Primary Water      Class 2      Flow Diagram No. 5115A      Rev. 3 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
0-DW-501	133	120	4	ALL		ALL	d		



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Compressed Air		Class 2		Flow Diagram No. 5120B			Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
CPN-29	125	90	2	ALL		ALL	d		Control air
CPN-57	112	90	4	ALL		ALL	d		Plant Air
CPN-74	125	90	1	ALL		ALL	d		Control air
0-PA-507	112	90	2	ALL		ALL	d		
2-PA-632	112	90	2	ALL		ALL	d		





TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System		Station Drainage Containment Class 2			Flow Diagram No. 5124					Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS		
2-DR-225	60	150	3	ALL		ALL	d				



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Reactor Coolant			Class 2	Flow Diagram No.			5128A	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
NSI-52	100	340	0.5	ALL		ALL	d			
12-PW-3	133	120	0.75	ALL		ALL	d			
2-CS-103	2550	200	3	ALL		ALL	d			
2-CS-715	2485	140	2	ALL		ALL	d			
2-CS-716	2485	140	2	ALL		ALL	d			
2-CS-717	2485	140	2	ALL		ALL	d			
2-CS-718	2485	140	2	ALL		ALL	d			
2-CS-791	220	650	1	ALL		ALL	d			
2-CS-795	2550	100	2	ALL		ALL	d			
2-CS-796	2550	200	2	ALL		ALL	d			
2-CS-797	2550	200	2	ALL		ALL	d			
2-CS-798	2550	200	2	ALL		ALL	d			
2-N-525	114	340	2.5	ALL		ALL	d			
2-N-542	114	340	0.75	ALL		ALL	d			
2-PW-22	133	120	3	ALL		ALL	d			
2-SI-41	220	650	4	ALL		ALL	d			
2-SI-529	50	100	1.5	ALL		ALL	d			
2-SI-530	50	100	1	ALL		ALL	d			
2-SI-592	50	100	1	ALL		ALL	d			
2-SI-65	220	650	4	ALL		ALL	d			
2-WD-80	25	267	4	ALL		ALL	d			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System CVCS - Reactor Letdown and Charging Class 2

Flow Diagram No. 5129

Rev.3 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-CS-112	215	140	3	ALL		ALL	d		
2-CS-119	2485	650	3	ALL		ALL	d		
2-CS-116	2485	650	3	ALL		ALL	d		
2-CS-118	2510	650	3	ALL		ALL	d		
2-CS-120	2510	650	3	ALL		ALL	d		
2-CS-553	220	300	1	ALL		ALL	d		
2-CS-558	220	300	1	ALL		ALL	d		
2-CS-570	220	300	1	ALL		ALL	d		
2-CS-681	2510	650	0.75	ALL		ALL	d		
2-CS-687	2510	650	2	ALL		ALL	d		
2-CS-705	600	400	2	ALL		ALL	d		
2-CS-79	220	300	4	ALL		ALL	d		
2-CS-794	2550	200	2	ALL		ALL	d		
2-CS-792	150	200	1	ALL		ALL	d		
2-CS-80	220	300	1	ALL		ALL	d		
2-CS-808	2550	200	2	ALL		ALL	d		
2-CS-81	220	300	1	ALL		ALL	d		
2-CS-82	2550	200	3	ALL		ALL	d		
2-CS-82	2550	200	2	ALL		ALL	d		
2-CS-83	2550	200	4	ALL		ALL	d		
2-CS-84	2550	200	4	ALL		ALL	d		
2-CS-84	2550	200	2	ALL		ALL	d		
2-CS-85	2550	200	4	ALL		ALL	d		
2-CS-85	2550	200	2	ALL		ALL	d		
2-CS-86	2550	200	3	ALL		ALL	d		
2-CS-87	2550	200	3	ALL		ALL	d		
2-SI-43	30	200	8	ALL		ALL	a		
2-SI-44	220	300	4	ALL		ALL	d		

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System CVCS - Reactor Letdown & Charging Class 2 Flow Diagram No. 5129A Rev. 3 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
HE-13-DRA	25	267	1	ALL		ALL	d		
HE-13-VENT	150	200	1	ALL		ALL	d		
0-H-001	150	AMB	1	ALL		ALL	d		
2-CS-111	75	250	3	ALL		ALL	d		
2-CS-112	150	200	3	ALL		ALL	d		
2-CS-113	150	200	4	ALL		ALL	d		
2-CS-122	150	200	4	ALL		ALL	d		
2-CS-543	115	180	2	ALL		ALL	d		
2-CS-651	2485	650	1	ALL		ALL	d		
2-CS-670	2485	650	1	ALL		ALL	d		
2-CS-724	220	300	2	ALL		ALL	d		
2-CS-79	220	300	4	ALL		ALL	d		
2-CS-792	150	200	1	ALL		ALL	d		
2-CS-89	115	180	3	ALL		ALL	d		
2-CS-90	150	200	4	ALL		ALL	d		
2-DR-651	220	300	1	ALL		ALL	d		
2-N-523	114	340	1	ALL		ALL	d		
2-WD-518	75	250	1.5	ALL		ALL	d		

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Component Cooling			Class 2	Flow Diagram No. 5135			Rev. 3 7/15/82		
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-COW-113	150	115	4	ALL		ALL	d			
2-COW-114	150	115	4	ALL		ALL	d			
2-COW-127	150	115	8	ALL		ALL	a			
2-COW-135	150	115	2.5	ALL		ALL	d			
2-COW-81	150	115	8	ALL		ALL	a			
2-COW-83	150	115	4	ALL		ALL	d			
2-COW-84	2485	130	4	ALL		ALL	d			
2-COW-85	150	115	2	ALL		ALL	d			
2-COW-86	150	115	4	ALL		ALL	d			
2-COW-87	150	115	2.5	ALL		ALL	d			
2-COW-79	150	115	8	ALL		ALL	a			

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Component Cooling			Class 2	Flow Diagram No.			5135B	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-CCW-1014	150	115	2	ALL		ALL	d			
2-CCW-1015	150	115	2	ALL		ALL	d			
2-CCW-1022	150	115	2	ALL		ALL	d			
2-CCW-1024	150	115	2	ALL		ALL	d			
2-CCW-800	150	115	1.5	ALL		ALL	d			
2-CCW-801	150	115	1.5	ALL		ALL	d			
2-CCW-802	150	115	1.5	ALL		ALL	d			
2-CCW-803	150	115	1.5	ALL		ALL	d			
2-CCW-808	150	115	1.5	ALL		ALL	d			
2-CCW-809	150	115	1.5	ALL		ALL	d			
2-CCW-866	150	115	1.5	ALL		ALL	d			
2-CCW-867	150	115	1.5	ALL		ALL	d			





D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Spent Fuel Cool. & Cleanup (Unit 1 only) Class 2				Flow Diagram No. 5136				Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
12-SF-14	150	120	2.5	ALL		ALL	d		Fr SF-152 to SF-154
12-SF-14			4	ALL		ALL	d		Piping fr valve SF-154 to CPN-36
12-SF-32			4	ALL		ALL	d		SFP piping fm refuel canal to CPN-36



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	WDS Vents & Drains			Class 2		Flow Diagram No. 5137A			Rev.3	7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
12-WD-5	100	200	4	ALL		ALL	d			
2-ND-783	ATM	AMB	1	ALL		ALL	d			
2-SF-19	150	120	3	ALL		ALL	d			
2-SM-547	100	200	0.75	ALL		ALL	d			
2-WD-524	100	200	1	ALL		ALL	d			
2-WD-525	114	340	1	ALL		ALL	d			
2-WD-538	100	200	0.75	ALL		ALL	d			
2-WD-76	ATM	AMB	3	ALL		ALL	d			
2-WD-80	100	200	4	ALL		ALL	d			
2-WD-82	150	120	4	ALL		ALL	d			
2-WD-83	150	120	3	ALL		ALL	d			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Nuclear Sampling			Class 2	Flow Diagram No.			5141	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
8711,CPN-66	2485	650	0.5	ALL		ALL	d			
8712,CPN-66	2485	650	0.5	ALL		ALL	d			
8721,CPN-66	2485	650	0.5	ALL		ALL	d			
8722,CPN-66	2485	650	0.5	ALL		ALL	d			
8731,CPN-66	2485	650	0.5	ALL		ALL	d			
8732,CPN-66	2485	650	0.5	ALL		ALL	d			
8741,CPN-81	2485	650	0.5	ALL		ALL	d			
8742,CPN-81	2485	650	0.5	ALL		ALL	d			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Nuclear Sampling			Class 2		Flow Diagram No.		5141A		Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
DSR-301	1085	650	0.5	ALL		ALL	d			
DSR-302	1085	650	0.5	ALL		ALL	d			
DSR-303	1085	650	0.5	ALL		ALL	d			
DSR-304	1085	650	0.5	ALL		ALL	d			
MSX-101	1085	650	0.5	ALL		ALL	d			
MSX-102	1085	650	0.5	ALL		ALL	d			
MSX-103	1085	650	0.5	ALL		ALL	d			
MSX-104	1085	650	0.5	ALL		ALL	d			

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Nuclear Sampling			Class 2	Flow Diagram No.			5141B	Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
ESR-1	12	200	0.5	ALL		ALL	d		
ESR-2	12	200	0.5	ALL		ALL	d		
ESR-3	12	200	0.5	ALL		ALL	d		
ESR-4	12	200	0.5	ALL		ALL	d		
ESR-5	12	200	0.5	ALL		ALL	d		
ESR-6	12	200	0.5	ALL		ALL	d		
ESR-7	12	200	0.5	ALL		ALL	d		
ESR-8	12	200	0.5	ALL		ALL	d		
ESR-9	12	200	0.5	ALL		ALL	d		
NS-CPN-95	12	200	0.5	ALL		ALL	d		
2-SF-11	150	120	3	ALL		ALL	b		Fr refuel ws tank to SI-184

D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Emergency Core Cooling			Class 2		Flow Diagram No. 5142			Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-RH-22	220	190	8	ALL		ALL	a			
2-SI-10	220	190	8	ALL		ALL	a			
2-SI-42	1750	200	4	ALL		ALL	d			
2-SI-44	220	190	4	ALL		ALL	d			
2-SI-52	2550	200	4	ALL		ALL	d			
2-SI-529	1750	200	0.75	ALL		ALL	d			
2-SI-530	220	190	0.75	ALL		ALL	d			
2-SI-532	1750	200	0.75	ALL		ALL	d			
2-SI-533	1750	200	0.75	ALL		ALL	d			
2-SI-534	1750	200	0.75	ALL		ALL	d			
2-SI-535	1750	200	2	ALL		ALL	d			
2-SI-563	1750	200	1.5	ALL		ALL	d			
2-SI-565	1750	200	1	ALL		ALL	d			
2-SI-567	1750	200	1.5	ALL		ALL	d			
2-SI-568	1750	200	1.5	ALL		ALL	d			
2-SI-571	1750	200	1	ALL		ALL	d			
2-SI-592	1750	200	0.75	ALL		ALL	d			
2-SI-6	220	190	6	ALL		ALL	a			
2-SI-66	1750	200	3	ALL		ALL	d			
2-SI-67	1750	200	2.5	ALL		ALL	d			
2-SI-72	1750	200	4	ALL		ALL	d			
2-SI-73	1750	203	3	ALL		ALL	d			
2-SI-75	1750	200	2	ALL		ALL	d			





D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Emergency Core Cooling (RHR)				Class 2	Flow Diagram No. 5143				Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-N-548	700	AMB	1	ALL		ALL	d		
2-RH-25	600	350	3	ALL		ALL	d		
2-RH-26	600	350	2	ALL		ALL	d		
2-RH-34	400	350	3	ALL		ALL	d		
2-RH-514	600	350	2	ALL		ALL	d		Up to SV-103
2-SI-532	1750	200	0.75	ALL		ALL	d		
2-SI-56	700	120	10	ALL		ALL	-		Fr weld in cont to valve SI-194
2-SI-57	700	120	10	ALL		ALL	-		1. Exemption c
2-SI-58	700	120	10	ALL		ALL	-		1. Exemption c
2-SI-59	700	120	10	ALL		ALL	-		1. Exemption c
2-SI-64	2485	650	4	ALL		ALL	-		1. Exemption c
2-SI-7	30	190	14	ALL		ALL	d		Fr SI pump "S" to SI152S
2-SI-7	400	350	14	ALL		ALL	a		Recirc sump to ICM-305
2-SI-75	2485	650	4	ALL		ALL			Fr ICM-305 to pu 2. to be added
2-SI-8	30	190	14	ALL		ALL	d		Fr SI pump "N" to SI152N
2-SI-8	400	350	14	ALL		ALL	a		Recirc sump to ICM-306
									Fr ICM-306 to pu 2. to be added



TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Containment Spray			Class 2		Flow Diagram No.		5144	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-CTS-11	95	200	8	ALL		ALL	a			
2-CTS-12	95	200	8	ALL		ALL	a		Downstrm of CTS 124W	
2-CTS-14	95	200	6	ALL		ALL	a		Downstrm of CTS 128W	
2-CTS-15	95	200	8	ALL		ALL	a		Downstrm of CTS 124E	
2-CTS-16	400	200	3	ALL		ALL	a		Downstrm of CTS 128E	
2-CTS-51	95	200	6	ALL		ALL	a			
2-CTS-52	95	200	6	ALL		ALL	a		Cont spray ring header	
2-CTS-538	400	200	2	ALL		ALL	a		Cont spray ring header	
2-CTS-539	400	200	2	ALL		ALL	d			
2-CTS-546	95	200	2	ALL		ALL	d			
2-CTS-547	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-548	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-549	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-55	95	200	8	ALL		ALL	d		Cont spray ring header	
2-CTS-551	95	200	2	ALL		ALL	a		Cont spray ring header	
2-CTS-552	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-553	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-554	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-555	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-556	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-556	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-557	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-558	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-559	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-56	95	200	8	ALL		ALL	d		Cont spray ring header	
2-CTS-560	95	200	2	ALL		ALL	a		Cont spray ring header	
2-CTS-561	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-562	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-563	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-564	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-565	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-566	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-567	95	200	2	ALL		ALL	d		Cont spray ring header	
2-CTS-568	95	200	2	ALL		ALL	d		Cont spray ring header	



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Containment Spray			Class 2		Flow Diagram No. 5144		Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
2-CTS-569	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-57	95	200	3	ALL		ALL	d		Cont spray ring header
2-CTS-570	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-571	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-572	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-573	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-574	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-575	95	200	2	ALL		ALL	d		Cont spray ring header
2-CTS-58	95	200	3	ALL		ALL	d		Cont spray ring header
2-CTS-59	95	200	8	ALL		ALL	d		Cont spray ring header
2-CTS-60	95	200	8	ALL		ALL	a		Cont spray ring header
2-CTS-61	95	200	8	ALL		ALL	a		Cont spray ring header
2-CTS-62	95	200	8	ALL		ALL	a		Cont spray ring header
2-CTS-63	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-64	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-65	95	200	4	ALL		ALL	a		Cont spray ring header
2-CTS-66	95	200	4	ALL		ALL	d		Cont spray ring header
2-CTS-67	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-68	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-69	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-70	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-71	95	200	4	ALL		ALL	a		Cont spray ring header
2-CTS-72	95	200	4	ALL		ALL	d		Cont spray ring header
2-CTS-73	95	200	4	ALL		ALL	d		Cont spray ring header
2-CTS-74	95	200	4	ALL		ALL	d		Cont spray ring header
2-CTS-75	95	200	6	ALL		ALL	d		Cont spray ring header
2-CTS-76	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-77	95	200	6	ALL		ALL	a		Cont spray ring header
2-CTS-78	95	200	6	ALL		ALL	a		Cont spray ring header
2-RH-18	95	200	8	ALL		ALL	a		Cont spray ring header
2-RH-19	95	200	8	ALL		ALL	a		Downstrm of IMO 330
2-SF-21	30	100	3	ALL		ALL	a		Downstrm of IMO 331
2-SF-30	30	100	3	ALL		ALL	d		
2-SF-501	30	100	2	ALL		ALL	d		



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Containment Spray				Class 2	Flow Diagram No.		5144	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
2-SI-511	400	200	2	ALL		ALL	d			
2-SI-512	400	200	2	ALL		ALL	d			
2-SI-53	30	100	24	ALL		ALL	a			
2-SI-6	30	100	24	ALL		ALL	a			
2-SI-7	400	350	12	ALL		ALL			Recirc su Hd to pu 2. to be added	
2-SI-8	400	350	12	ALL		ALL			Recirc su Hd to pu 2. to be added	



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System Contain. Pene. & Wld. Chan. Press. Class 2      Flow Diagram No. 5145

Rev. 3 7/15/82

ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS
CPN-83,9221	112	90	1	ALL		ALL	d		
CPN-83,9232	112	90	1	ALL		ALL	d		
CPN-83,9271	112	90	1	ALL		ALL	d		
CPN-83,9272	112	90	1	ALL		ALL	d		



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Ice Condenser Refrigeration				Class 2	Flow Diagram No.				5146A	Rev. 3 7/15/82
	ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220	CATEG	IWC2600	REMARKS
12-R-30		25	15	4	ALL		ALL	d			
12-R-32		25	15	4	ALL		ALL	d			



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Condenser Refrigeration			Class 2	Flow Diagram No.			5146B	Rev. 3 7/15/82	
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
12-R-15	150	-10	4	ALL		ALL	d			
12-R-25	150	-10	4	ALL		ALL	d			
2-R-44	150	-10	3	ALL		ALL	d			
2-R-45	150	-10	3	ALL		ALL	d			
2-R-531	150	-10	1	ALL		ALL	d			
2-R-532	150	-10	1	ALL		ALL	d			



D. C. COOK NUCLEAR PLANT, UNIT 2

TABLE 1 - COMPONENTS AND WELDS IN ACCORDANCE WITH CODE REQUIREMENTS

System	Containment Ventilation			Class 2	Flow Diagram No. 5147A					Rev. 3 7/15/82
ISO	PRESS	TEMP	SIZE	WELD	COMP	COMP NO	IWC1220 CATEG	IWC2600	REMARKS	
CPN-31	12	200	1	ALL		ALL	d		Vent Nitrogen	
CPN-32	12	200	1	ALL		ALL	d			
ESX-001	25	100	0.5	ALL		ALL	d			
ESX-002	25	100	0.5	ALL		ALL	d			
2-PGA-12	25	100	30	ALL		ALL	a			
2-PGA-13	25	100	24	ALL		ALL	a			
2-PGA-17	25	100	14	ALL		ALL	a			
2-PGA-18	25	100	14	ALL		ALL	a			
2-PGA-19	25	100	24	ALL		ALL	a			
2-PGA-20	25	100	30	ALL		ALL	a			
2-PGA-21	25	100	12	ALL		ALL	a			

ATTACHMENT D  
TO  
AEP:NRC:0070G



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

Attachment D TO  
AEP:NRC:00070G

System      Main Steam      Class 2      Flow Diagram No. 5105      Rev.1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-MS-1	MS fr SG to stop valves	30	10F	P-PN	CPN-2	C-G	3	NNN	Covered by restraint
1-MS-1	MS fr SG to stop valves	30	12F	PN	CPN-2	C-G	3	NNN	Within sleeve on pen
1-MS-10	MS fr SG to stop valves	30	09F	P-PN	CPN-4	C-G	3	NNN	Covered by restraint
1-MS-10	MS fr SG to stop valves	30	11	PN	CPN-4	C-G	3	NNN	Within sleeve on pen
1-MS-11	MS fr SG to stop valves	6	23	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	24	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	25	P-B		C-G	3	NNN	Weld covered by sad
1-MS-11	MS fr SG to stop valves	6	27	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	28	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	29	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	30	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	31	P-B		C-G	3	NNN	Weld covered by sad
1-MS-11	MS fr SG to stop valves	6	32	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	33	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	34	P-B		C-G	3	NNN	Weld covered by sad
1-MS-11	MS fr SG to stop valves	6	35	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	36	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	37	P-B		C-G	3	NNN	Weld covered by sad
1-MS-11	MS fr SG to stop valves	6	38	B-SA		C-G	2A	SUR	Vol impractical
1-MS-11	MS fr SG to stop valves	6	39	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-11	MS fr SG to stop valves	6	40	P-B		C-G	3	NNN	Weld covered by sad
1-MS-11	MS fr SG to stop valves	6	41	P-B		C-G	3	NNN	Weld covered by sad
1-MS-14	MS fr SG to stop valves	30	09F	P-PN	CPN-5	C-G	3	NNN	Covered by restraint
1-MS-14	MS fr SG to stop valves	30	11F	PN	CPN-5	C-G	3	NNN	Within sleeve on pen
1-MS-15	MS fr SG to stop valves	6	24	B-SA		C-G	2A	SUR	Vol impractical
1-MS-15	MS fr SG to stop valves	6	25	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	26	P-B		C-G	3	NNN	Weld covered by sad
1-MS-15	MS fr SG to stop valves	6	27	F-N		C-G	2A	SUR	Vol impractical
1-MS-15	MS fr SG to stop valves	6	28	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	29	P-B		C-G	3	NNN	Weld covered by sad
1-MS-15	MS fr SG to stop valves	6	30	B-SA		C-G	2A	SUR	Vol impractical
1-MS-15	MS fr SG to stop valves	6	31	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	32	P-B		C-G	3	NNN	Weld covered by sad
1-MS-15	MS fr SG to stop valves	6	33	B-SA		C-G	2A	SUR	Vol impractical

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System	Main Steam	Class 2	Flow Diagram No. 5105	Rev. 1 7/15/82
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ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-MS-15	MS fr SG to stop valves	6	34	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	35	P-B		C-G	3	NNN	Weld covered by sad
1-MS-15	MS fr SG to stop valves	6	36	B-SA		C-G	2A	SUR	Vol impractical
1-MS-15	MS fr SG to stop valves	6	37	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	38	P-B		C-G	3	NNN	Weld covered by sad
1-MS-15	MS fr SG to stop valves	6	39	B-SA		C-G	2A	SUR	Vol impractical
1-MS-15	MS fr SG to stop valves	6	40	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-15	MS fr SG to stop valves	6	41	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	23	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	24	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	26	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	27	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	28	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	29	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	30	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	31	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	32	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	33	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	34	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	35	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	36	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	37	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	38	B-SA		C-G	2A	SUR	Vol impractical
1-MS-2	MS fr SG to stop valves	6	39	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-2	MS fr SG to stop valves	6	40	P-B		C-G	3	NNN	Weld covered by sad
1-MS-2	MS fr SG to stop valves	6	25	P-B		C-G	3	NNN	Weld covered by sad
1-MS-6	MS fr SG to stop valves	30	10F	P-PN	CPN-3	C-G	3	NNN	Covered by restraint
1-MS-6	MS fr SG to stop valves	30	12	PN	CPN-3	C-G	3	NNN	Within sleeve on pen
1-MS-7	MS fr SG to stop valves	6	23	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	22	B-SA		C-G	2A	SUR	Vol impractical
1-MS-7	MS fr SG to stop valves	6	25	B-SA		C-G	2A	SUR	Vol impractical
1-MS-7	MS fr SG to stop valves	6	26	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	27	P-B		C-G	3	NNN	Weld covered by sad
1-MS-7	MS fr SG to stop valves	6	28	B-SA		C-G	2A	SUR	Vol impractical



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Main Steam Class 2 Flow Diagram No. 5105 Rev. 1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-MS-7	MS fr SG to stop valves	6	29	P-SA	SADDLE	C-6	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	30	P-B		C-G	3	NNN	Weld covered by sad
1-MS-7	MS fr SG to stop valves	6	31	B-SA		C-G	2A	SUR	Vol Impractical
1-MS-7	MS fr SG to stop valves	6	32	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	33	P-B		C-G	3	NNN	Weld covered by sad
1-MS-7	MS fr SG to stop valves	6	34	B-SA		C-G	2A	SUR	Vol impractical
1-MS-7	MS fr SG to stop valves	6	35	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	36	P-B		C-G	3	NNN	Weld covered by sad
1-MS-7	MS fr SG to stop valves	6	37	B-SA		C-G	2A	SUR	Vol impractical
1-MS-7	MS fr SG to stop valves	6	38	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-MS-7	MS fr SG to stop valves	6	39	P-B		C-G	3	NNN	Weld covered by sad
1-MS-7	MS fr SG to stop valves	6	40	P-B		C-G	3	NNN	Weld covered by sad



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Feedwater . Class 2 Flow Diagram No. 5106 Rev.1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-FW-10	Aux feed pumps disc to SG	6	45	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-FW-10	Aux feed pumps disc to SG	6	44	P-B		C-G	3	NNN	Weld covered by sad
1-FW-10	Aux feed pumps disc to SG	6	46	B-SA		C-G	2A	SUR	Vol impractical
1-FW-11	FW fr isolation check valves to SG	14	01	FN	CPN-9	C-G	3	NNN	Within sleeve on pen
1-FW-12	Aux feed pumps disc to SG	6	39	P-B		C-G	3	NNN	Weld covered by sad
1-FW-12	Aux feed pumps disc to SG	6	40	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-FW-12	Aux feed pumps disc to SG	6	41	B-SA		C-G	2A	SUR	Vol impractical
1-FW-13	FW fr isolation check valves to SG	14	01	FN	CPN-8	C-G	3	NNN	Within sleeve on pen
1-FW-15	Aux feed pumps disc to SG	6	39	P-B		C-G	3	NNN	Weld covered by sad
1-FW-15	Aux feed pumps disc to SG	6	40	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-FW-15	Aux feed pumps disc to SG	6	41	B-SA		C-G	2A	SUR	Vol impractical
1-FW-16	FW fr isolation check valves to SG	14	01	FN	CPN-7	C-G	3	NNN	Within sleeve on pen
1-FW-17	Aux feed pumps disc to SG	6	44	P-B		C-G	3	NNN	Weld covered by sad
1-FW-17	Aux feed pumps disc to SG	6	45	P-SA	SADDLE	C-G	2A	SUR	Fillet
1-FW-17	Aux feed pumps disc to SG	6	46	B-SA		C-G	2A	SUR	Vol impractical
1-FW-18	FW fr isolation check valves to SG	14	01F	FN	CPN-10.	C-G	3	NNN	Within sleeve on pen

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System CVCS - Reactor Letdown & Charging    Class 2    Flow Diagram NO. 5129    Rev.1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-CS-33	Chem & vol control fr VCT to chary pump	8	ALL		ALL	C-G	4	VIS	
1-CS-35	Chem & vol control fr VCT to chary pump	8	ALL		ALL	C-G	4	VIS	
1-CS-33	Chem & vol control fr VCT to chary pump	6	ALL		ALL	C-G	4	VIS	
1-CS-35	Chem & vol control fr VCT to chary pump	6	ALL		ALL	C-G	4	VIS	





TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Emergency Core Cooling (RHR) Class 2 Flow Diagram No. 5143 Rev.1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-RH-1	RHR fr RHR pump disc to RHR HX	8	ALL	ALL	C-G	4	VIS		
1-RH-10	RHR fr RHR HX to charg pump suction	8	ALL	ALL	C-G	4	VIS		
1-RH-11	RHR fr RHR HX to valve ICM-111	8	ALL	ALL	C-G	4	VIS		
1-RH-2	RHR fr RHR pump disc to RHR HX	8	ALL	ALL	C-G	4	VIS		
1-RH-27	RHR fr ICM-311 & 312 to RC system	12	ALL	ALL	C-G	4	VIS		
1-RH-28	RHR fr ICM-129 to RHR pumps	14	ALL	ALL	C-G	4	VIS		
1-RH-3	RHR fr RHR HX to valves ICM-311 & ICM-321	8	ALL	ALL	C-G	4	VIS		
1-RH-30	RHR fr ICM-311 & 312 to RC system	12	ALL	ALL	C-G	4	VIS		
1-RH-4	RHR fr RHR HX to valve ICM-111	12	ALL	ALL	C-G	4	VIS		
1-RH-5	RHR fr RHR HX to SI pump suction	14	ALL	ALL	C-G	4	VIS		
1-RH-6	RHR fr RHR HX to SI pump suction	14	ALL	ALL	C-G	4	VIS		
1-RH-7	RHR fr RHR HX to valves ICM-311 & ICM-321	8	ALL	ALL	C-G	4	VIS		
1-RH-8	RHR fr RHR HX to valves ICM-311 & ICM-321	8	ALL	ALL	C-G	4	VIS		
1-RH-9	RHR fr RHR HX to charg pump suction	8	ALL	ALL	C-G	4	VIS		
1-SI-20	RHR fr ICM-311 & 312 to RC system	8	ALL	ALL	C-G	4	VIS		
1-SI-24	RHR fr ICM-311 & 312 to RC system	8	ALL	ALL	C-G	4	VIS		
1-SI-25	RHR fr ICM-311 & 312 to RC system	8	ALL	ALL	C-G	4	VIS		
1-SI-4	RHR fr ICM-129 to RHR pumps	14	ALL	ALL	C-G	4	VIS		
1-SI-68	RHR fr ICM-311 & 312 to RC system	8	ALL	ALL	C-G	4	VIS		
1-SI-69	RHR fr ICM-311 & 312 to RC system	6	ALL	ALL	C-G	4	VIS		
1-SI-70	RHR fr ICM-311 & 312 to RC system	6	ALL	ALL	C-G	4	VIS		
1-SI-71	RHR fr ICM-311 & 312 to RC system	8	ALL	ALL	C-G	4	VIS		

D. C. COOK NUCLEAR PLANT, UNIT 1

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System   Containment Spray                      Class 2                      Flow Diagram No. 5144                      Rev.1 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
1-CTS-1	Disc Piping fr CTS pu to Cont. Spray HX	10	ALL		ALL	C-G	4	VIS	
1-CTS-2	Cont Spray HX to CTS 124W	10	ALL		ALL	C-G	4	VIS	
1-CTS-3	Cont Spray HX to CTS 128W	8	ALL		ALL	C-G	4	VIS	
1-CTS-4	CTS fr IMO-215 and 225 to cs pumps	10	ALL		ALL	C-G	4	VIS	
1-CTS-5	CTS fr IMO-210 211 220 221 to CTS HX	6	ALL		ALL	C-G	4	NNN	
1-CTS-6	CTS fr IMO-210 211 220 221 to CTS HX	8	ALL		ALL	C-G	4	VIS	



ATTACHMENT E  
TO  
AEP:NRC:0070G

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

Attachment E To  
AEP:NRC:00070G  
Rev.3 7/15/82

System Main Steam

Class 2

Flow Diagram No. 5105

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-MS-89	MS fm SG to stop valves	30	13F	PN	CPN-2	C-G	3	NNN	Within sleeve on pen
2-MS-89	MS fm SG to stop valves	30	11F	P-PN	CPN-2	C-G	3	NNN	Covered by restraint
2-MS-90	MS fm SG to stop valves	6	30	B-SA		C-G	2A	Sur	Vol impractical
2-MS-90	MS fm SG to stop valves	6	15F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-90	MS fm SG to stop valves	6	32	B-SA		C-G	2A	Sur	Vol impractical
2-MS-90	MS fm SG to stop valves	6	16F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-90	MS fm SG to stop valves	6	33	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-90	MS fm SG to stop valves	6	34	B-SA		C-G	2A	Sur	Vol impractical
2-MS-90	MS fm SG to stop valves	6	17F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-90	MS fm SG to stop valves	6	35	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-90	MS fm SG to stop valves	6	36	B-SA		C-G	2A	Sur	Vol impractical
2-MS-90	MS fm SG to stop valves	6	37	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-90	MS fm SG to stop valves	6	18F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-90	MS fm SG to stop valves	6	29	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-90	MS fm SG to stop valves	6	14F	P-B		C-G	3	NNN	Weld covered by saddle
2-MS-90	MS fm SG to stop valves	6	26	B-SA		C-G	2A	Sur	Vol impractical
2-MS-90	MS fm SG to stop valves	6	27	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-90	MS fm SG to stop valves	6	13F	P-B		C-G	3	NNN	Weld covered by saddle
2-MS-90	MS fm SG to stop valves	6	31	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-91	MS fm SG to stop valves	30	11F	PN	CPN-3	C-G	3	NNN	Within sleeve on pen
2-MS-91	MS fm SG to stop valves	30	09F	P-PN	CPN-3	C-G	3	NNN	Covered by restraint
2-MS-92	MS fm SG to stop valves	6	36	B-SA		C-G	2A	Sur	Vol impractical
2-MS-92	MS fm SG to stop valves	6	37	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	19F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-92	MS fm SG to stop valves	6	34	B-SA		C-G	2A	Sur	Vol impractical
2-MS-92	MS fm SG to stop valves	6	35	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	18F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-92	MS fm SG to stop valves	6	32	B-SA		C-G	2A	Sur	Vol impractical
2-MS-92	MS fm SG to stop valves	6	33	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	17F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-92	MS fm SG to stop valves	6	30	B-SA		C-G	2A	Sur	Vol impractical
2-MS-92	MS fm SG to stop valves	6	31	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	16F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-92	MS fm SG to stop valves	6	28	B-SA		C-G	2A	Sur	Vol impractical

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Main Steam Class 2 Flow Diagram No. 5105 Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-MS-92	MS fm SG to stop valves	6	29	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	15F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-92	MS fm SG to stop valves	6	26	B-SA		C-G	2A	Sur	Vol impractical
2-MS-92	MS fm SG to stop valves	6	27	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-92	MS fm SG to stop valves	6	14F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-93	MS fm SG to stop valves	30	11	PN	CPN-4	C-G	3	NNN	Within sleeve on pen
2-MS-93	MS fm SG to stop valves	30	09F	P-PN	CPN-4	C-G	3	NNN	Covered by restraint
2-MS-94	MS fm SG to stop valves	6	37	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	38	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	20F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-94	MS fm SG to stop valves	6	35	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	36	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	19F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-94	MS fm SG to stop valves	6	33	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	34	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	18F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-94	MS fm SG to stop valves	6	31	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	32	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	17F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-94	MS fm SG to stop valves	6	29	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	30	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	16F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-94	MS fm SG to stop valves	6	27	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-94	MS fm SG to stop valves	6	28	B-SA		C-G	2A	Sur	Vol impractical
2-MS-94	MS fm SG to stop valves	6	15F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-95	MS fm SG to stop valves	30	11	PN	CPN-5	C-G	3	NNN	Within sleeve on penetration
2-MS-95	MS fm SG to stop valves	30	09F	P-PN	CPN-5	C-G	3	NNN	Covered by restraint
2-MS-96	MS fm SG to stop valves	6	36	B-SA		C-G	2A	Sur	Vol impractical
2-MS-96	MS fm SG to stop valves	6	18F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-96	MS fm SG to stop valves	6	35	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	17F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-96	MS fm SG to stop valves	6	32	B-SA		C-G	2A	Sur	Vol impractical
2-MS-96	MS fm SG to stop valves	6	33	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	30	B-SA		C-G	2A	Sur	Vol impractical



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Main Steam Class 2 Flow Diagram No. 5105 Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-MS-96	MS fm SG to stop valves	6	31	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	15F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-96	MS fm SG to stop valves	6	28	B-SA		C-G	2A	Sur	Vol impractical
2-MS-96	MS fm SG to stop valves	6	29	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	14F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-96	MS fm SG to stop valves	6	25	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	26	B-SA		C-G	2A	Sur	Vol impractical
2-MS-96	MS fm SG to stop valves	6	27	P-SA	Saddle	C-G	2A	Sur	Fillet
2-MS-96	MS fm SG to stop valves	6	13F	P-B		C-G	3	NNN	Weld covered by sad
2-MS-96	MS fm SG to stop valves	6	16F	P-B		C-G	3	NNN	Well covered by sad
2-MS-96	MS fm SG to stop valves	6	34	B-SA		C-G	2A	Sur	Vol impractical



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Feedwater Class 2 Flow Diagram No. 5106 Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-FW-70	Feedwater	6	41	P-B		C-G	3	NNN	Weld covered by sad
2-FW-70	Feedwater	6	43	B-SA		C-G	2A	Sur	Vol impractical
2-FW-70	Feedwater	6	42	P-SA Saddle		C-G	2A	Sur	Fillet
2-FW-71	Feedwater	6	30	P-B		C-G	3	NNN	Weld covered by sad
2-FW-71	Feedwater	6	31	P-SA Saddle		C-G	2A	Sur	Fillet
2-FW-71	Feedwater	6	32	B-SA		C-G	2A	Sur	Vol impractical
2-FW-72	Feedwater	6	35	P-B		C-G	3	NNN	Weld covered by sad
2-FW-72	Feedwater	6	37	B-SA		C-G	2A	Sur	Vol impractical
2-FW-72	Feedwater	6	36	P-SA Saddle		C-G	2A	Sur	Fillet
2-FW-73	Feedwater	6	39	P-B		C-G	3	NNN	Weld covered by sad
2-FW-73	Feedwater	6	41	B-SA		C-G	2	Sur	Vol impractical
2-FW-73	Feedwater	6	40	P-SA Saddle		C-6	2A	Sur	Fillet
2-FW-74	Feedwater	14	16	PN	CPN-8	C-G	3	NNN	Within sleeve on pen
2-FW-75	Feedwater	14	16	PN	CPN-9	C-G	3	NNN	Within sleeve on pen
2-FW-76	Feedwater	14	16	PN	CPN-10	C-G	3	NNN	Within sleeve on pen
2-FW-77	Feedwater	14	15	PN	CPN-7	C-G	3	NNN	Within sleeve on pen

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System CVCS-Reactor Letdown and Charging

Class 2

Flow Diagram No. 5129

Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-CS-79	Refueling ws tank to cent CP	8	ALL		ALL	C-G	4	VIS	
2-CS-79	Refueling ws tank to cent CP	6	ALL		ALL	C-G	4	VIS	
2-CS-80	SH to cent CP "E"	6	ALL		ALL	C-G	4	VIS	
2-CS-81	SH to cent CP "W"	6	ALL		ALL	C-G	4	VIS	

TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System Emergency Core Cooling RHR

Class 2

Flow Diagram No. 5143

Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-RH-14	Fr RHR pump to residual HX	8	ALL	ALL	C-G	4	VIS		
2-RH-15	Fr RHR pump to residual HX	8	ALL	ALL	C-G	4	VIS		
2-RH-16	Fr RH128E & RH128W to IMO-314 & IMO-324	8	ALL	ALL	C-G	4	VIS		
2-RH-17	To CPN-16	12	ALL	ALL	C-G	4	VIS		
2-RH-18	Low hd SI fr IMO-331 to CPN-50	8	ALL	ALL	C-G	4	VIS		
2-RH-19	RHR supply fr IMO-330 to CPN-51	8	ALL	ALL	C-G	4	VIS		
2-RH-20	Low head SI fr ICM-311 to CPN-49	8	ALL	ALL	C-G	4	VIS		
2-RH-21	Low hd SI from ICM-311 to CPN-48	8	ALL	ALL	C-G	4	VIS		
2-RH-22	Fr IMO-331 to SI pump	8	ALL	ALL	C-G	4	VIS		
2-RH-23	Resid HX to charg pu suct head	8	ALL	ALL	C-G	4	VIS		
2-RH-31	Fr CPN-16 to valves RH-133 and RH-134	12	ALL	ALL	C-G	4	VIS		
2-RH-32	RH-133 to accum No. 2 line	12	ALL	ALL	C-G	4	VIS		
2-RH-33	IMO-128 to CPN-47	14	ALL	ALL	C-G	4	VIS		
2-SI-60	ICM-311 to low hd SI	8	ALL	ALL	C-G	4	VIS		
2-SI-62	ICM-321 to low hd SI	8	ALL	ALL	C-G	4	VIS		
2-SI-76	To SI-161-L2	6	ALL	ALL	C-G	4	VIS		
2-SI-77	IMO-326 to SI-161-L3	8	ALL	ALL	C-G	4	VIS		
2-SI-78	To SI-161-L1	6	ALL	ALL	C-G	4	VIS		
2-SI-79	IMO-316 to SI-161-L4	8	ALL	ALL	C-G	4	VIS		
2-SI-9	IMO-390 to IMO-310 & IMP-320	14	ALL	ALL	C-G	4	VIS		



TABLE 2 - COMPONENTS AND WELDS FOR WHICH CODE RELIEF IS REQUESTED

System      Containment Spray      Class 2      Flow Diagram No. 5144      Rev.3 7/15/82

ISO	SYSTEM FUNCTION	SIZE	WELD	COMP	COMP #	IWC2520	RELIEF	ALT	REMARKS
2-CTS-10	Disc Piping fr CTS pu to cont. Spray HX	10	ALL	ALL	C-G	4	VIS		
2-CTS-11	Cont spray HX to CTS 124W	10	ALL	ALL	C-G	4	VIS		
2-CTS-12	Cont spray HX to CTS 128W	8	ALL	ALL	C-G	4	VIS		
2-CTS-13	Disc piping fr CTS pump to cont spray HX	10	ALL	ALL	C-G	4	VIS		
2-CTS-14	Cont spray HX to CTS 124E	10	ALL	ALL	C-G	4	VIS		
2-CTS-15	Cont spray HX to CTS 128E	8	ALL	ALL	C-G	4	VIS		

ATTACHMENT F  
TO  
AEP:NRC:0070G



ATTACHMENT F

Attachment to  
AEP:NRC:00070G

CLASS 2 WELDS FOR WHICH CODE RELIEF IS SPECIFICALLY BEING REQUESTED DUE TO ACCESS RESTRICTION OR CONFIGURATION

In addition to requesting Code relief for entire Class 2 systems as indicated in "Table 2 - Components and Welds for Which Code Relief is Requested", (Attachments C and D), Code relief is specifically requested for the first inspection interval for the following welds. These welds are also listed on Table 2.

System: Main Steam Safety Valve Header and Feedwater branch connections

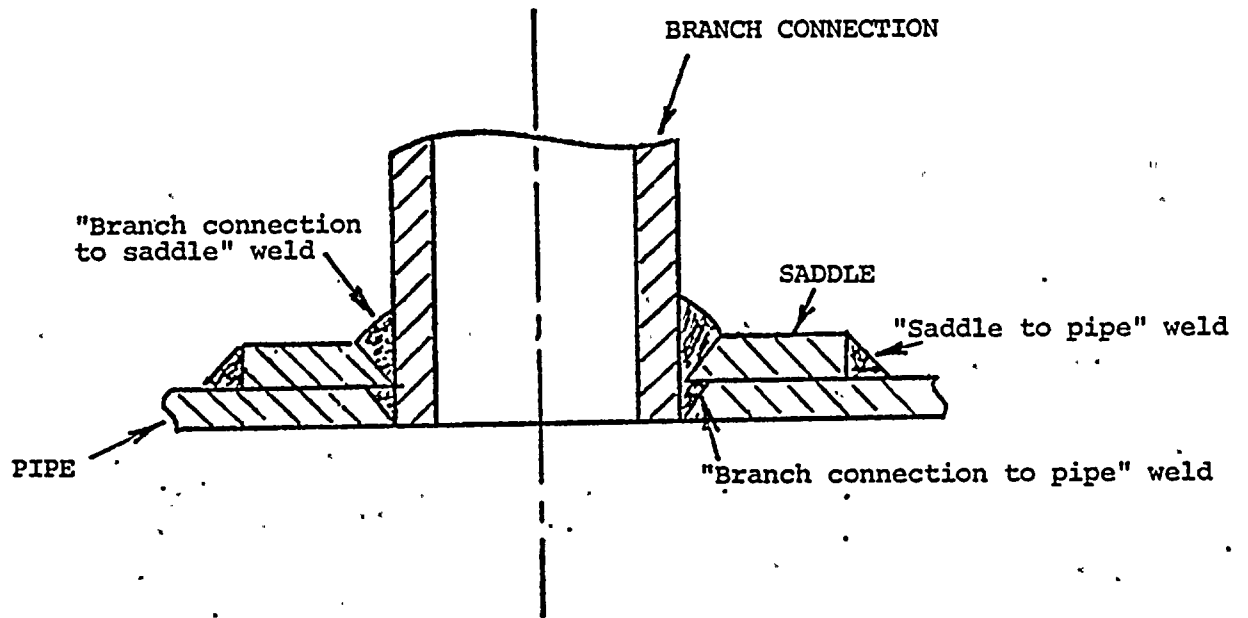
<u>No. of Welds</u>	<u>ASME Sect XI Item No.</u>	<u>ASME Sect XI Catgy.</u>	<u>Weld Type</u>	<u>Reqd. Code Exam Method</u>	<u>ALT Exam Method</u>	<u>Reason for Code Relief</u>
Equivalent of two branch connections each unit	C-G	C-2.1	Fillet Weld saddle to pipe & Branch connection to saddle	Vol	Sur	Both weld configurations (See Sketch A) cannot be volumetrically examined for meaningful results.
Two each unit	C-G	C-2.1	Branch connection to pipe weld covered by saddle	Vol	None	Weld inaccessible. Configuration cannot be volumetrically examined for meaningful results. (Sketch A)

System: Main Steam

One each unit	C-G	C-2.1	Penetration to to pipe weld	Vol	None	Weld inaccessible. Large pipe whip restraint surrounds weld and adjacent area. Volumetric examination is impractical by UT as weld cannot be reached for positioning and handling transducer, and by RT as exposure has to be made through restraint. Surface examination is impractical as weld is not readily accessible for application and removal of penetrant. Removal of pipe whip restraint would require torch cutting 2400 and 2700 lbs sections that are supported from above.
One weld main steam and one weld feedwater each unit	C-G	C-2.1	Containment penetration flued head to pipe weld	Vol	None	Weld totally enclosed within sleeve. (Sketch B)

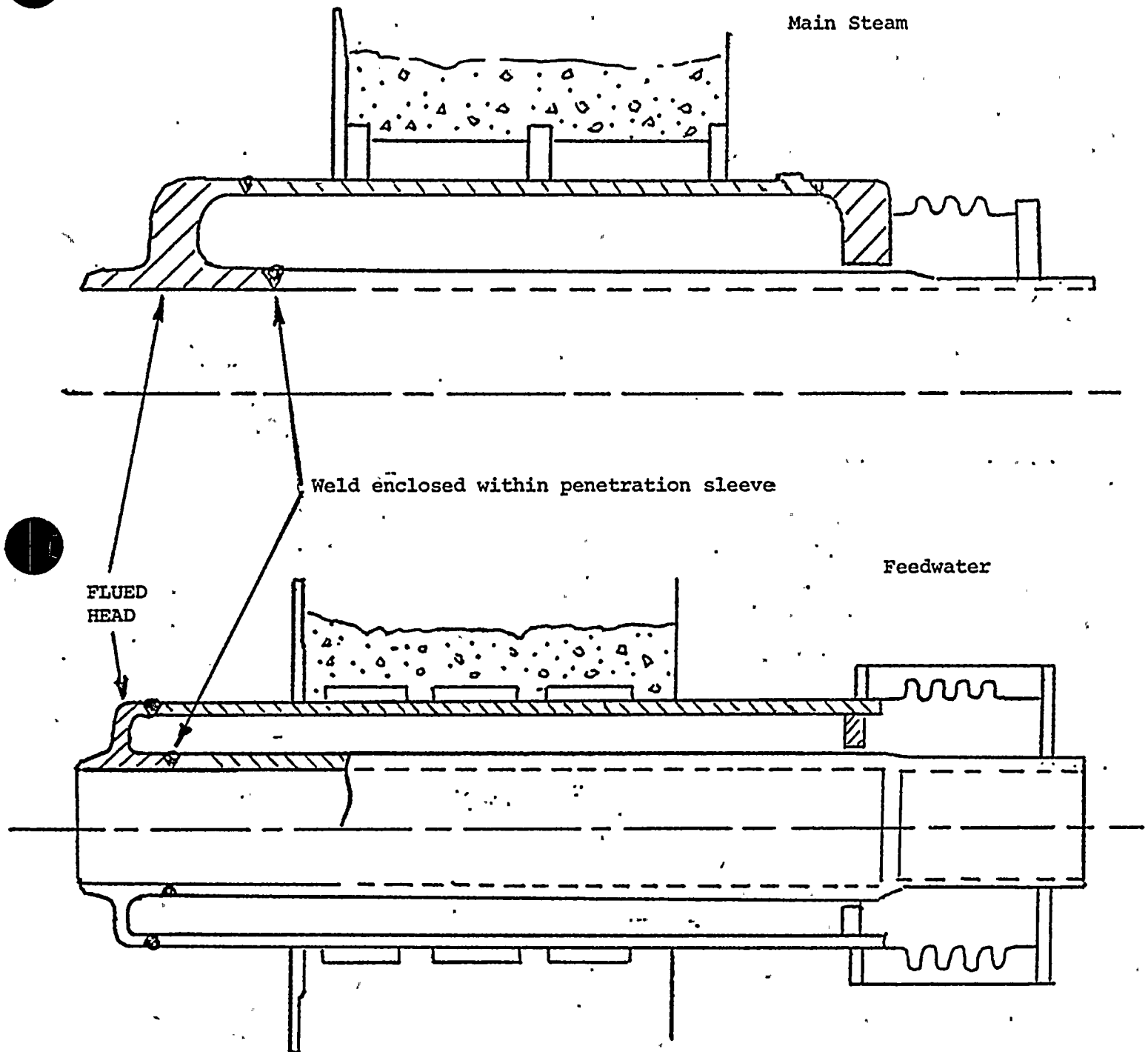


Branch Connection Fabrication Detail



Sketch B

Attachment F to  
AEP:NRC:00070G





ATTACHMENT G  
TO  
AEP:NRC:0070G



ABBREVIATIONS  
(APPLICABLE TO WELD TYPE IDENTIFICATION)

BCE - Branch Connection-to-Elbow  
BCP - Branch Connection-to-Pipe  
DP - Dollar Plate  
EE - Elbow-to-Elbow  
EP - Elbow-to-Pipe  
ESE - Elbow-to-Safe End  
EV - Elbow-to-Valve  
FP - Flange-to-Pipe  
HF - Head-to-Flange  
HL - Hanger Lug  
LHSS - Lower Head-to-Support Skirt  
NBC - Nozzle-to-Branch Connection  
NE - Nozzle-to-Elbow  
NLH - Nozzle-to-Lower Head  
NSE - Nozzle-to-Safe End  
PC - Pipe Collar  
PE - Pipe-to-Elbow  
PF - Pipe-to-Flange  
PL - Pipe Lug  
PP - Pipe-to-Pipe  
PR - Pipe Restraint  
PS - Pipe Support  
PT - Pipe-to-Tee  
PV - Pipe-to-Valve  
RL - Restraint Lug  
RP - Reducer-to-Pipe  
RT - Reducer-to-Tee  
RV - Reducer-to-Valve  
SEN - Safe End-to-Nozzle  
SL - Support Lug  
TP - Tee-to-Pipe  
TR - Tee-to-Reducer  
UHN - Upper Head-to-Nozzle  
VE - Valve-to-Elbow  
VR - Valve-to-Reducer  
VP - Valve-to-Pipe

## (APPLICABLE TO EXAM METHOD)

MT - Magnetic Particle Examination  
PT - Liquid Penetrant Examination  
RT - Radiographic Examination  
UT - Ultrasonic Examination



ATTACHMENT G

ATTACHMENT G TO  
AEP:NRC: 00070G

**CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED**

DONALD C. COOK, UNIT 1

1) System: Reactor Pressure Vessel Closure Head						ISO No.: N/A		Reason For Code Relief
<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>	
001300	B1.2	B-B	1-C-02	DP	Vol.	None	*	* Relief is requested from performing the code examination of vessel welds from both sides. This weld can only receive U.T. coverage from one side of the weld and on the weld. No examination from dollar plate side of weld can be done due to interference of the permanently mounted ventilation shroud and control rod drive housing.
2) System: Reactor Coolant System						ISO No.: 1-RC-10		Relief is requested from performing the 100% volumetric code examinations on these pipe lugs. These four welds cannot be U.T. examined from the weld surface due to the small size of the fillet weld surface. 80% of the weld was U.T. examined from pipe side. *Surface examination will be done to supplement the limited U.T.
040600	B4.9	B-K-1	24F-HL-1	PL	Vol.	*	N/A	
040700	B4.9	B-K-1	24F-HL-2	PL	Vol.	*	N/A	
040800	B4.9	B-K-1	24F-HL-3	PL	Vol.	*	N/A	
040900	B4.9	B-K-1	24F-HL-4	PL	Vol.	*	N/A	





ATTACHMENT G

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CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

3) System: Reactor Coolant System

ISO No.: 1-RC-14

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
053000	B4.5	B-J	01S	RP	Vol.	None	18

Reason For  
Code Relief

Relief is requested from performing 18% of the volumetric code examination. No U.T. examination for 18% of the weld done from the pipe side due to close proximity of welded pipe lug. No U.T. examination is possible on reducer side of weld due to steep taper of reducer.

4) System: Reactor Coolant

ISO No.: 1-RC-501

059900	B4.9	B-K-1	03S-RL-4	RL	Vol.	*	N/A
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Relief is requested from performing the volumetric code examination on the weld surface of this pipe lug weld due to the small size of the fillet weld. U.T. was done from pipe side. \*Surface examination will be done to supplement the limited U.T. examination.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

5) System: REACTOR COOLANT ISO No.: 1-RC-505

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
066300	B4.9	B-K-1	27S-PR-1	PL	Vol.	*	N/A

Reason For  
Code Relief

Relief is requested from performing the volumetric code examination on the weld surface of this pipe lug weld due to the small size of the fillet weld. U.T. was done from pipe side. \*Surface examination will be done to supplement the limited U. T. examination.

6) System: REACTOR COOLANT ISO No.: 1-RC-506

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
068600	B4.8	B-J	135-PS	PS	Vol.	Surface	100

Relief is requested from performing 100% volumetric code examination of this pipe support weld. This support consists of a 1-1/2" pipe support which is attached to a 2" line by a fillet weld. The small size of the fillet weld and component size prevents adequate U.T. search unit contact. A surface examination will be done in lieu of volumetric examination.

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CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

7) System: REACTOR COOLANT						ISO No.: 1-RC-509	
LTP Ref Number	ASME Sect XI Item No.	ASME Sect XI Catgy.	Weld Number	Weld Type	Reqd. Code Exam Method	ALT Exam Method	%Weld Not Receiving Code Exam.
081200	B4.9	B-K-1	29S-RL-1	RL	Vol.	*	N/A
081300	B4.9	B-K-1	29S-RL-2	RL	Vol.	*	N/A
081400	B4.9	B-K-1	29S-RL-3	RL	Vol.	*	N/A

Reason For  
Code Relief

Relief is requested from performing the volumetric code examination on the weld surface of these three pipe lug welds due to the small size of the fillet weld. U.T. was done from pipe side. \*Surface examination will be done to supplement the limited U.T. examination.

8) System: REACTOR COOLANT						ISO No.: 1-RC-511	
086600	B4.9	B-K-1	15F-PS-2	PS	Vol.	Surface	100

Relief is requested from performing 100% volumetric code examination of this pipe support weld. No. U.T. examination can be made on this fillet weld due to the small size. Surface examination will be done in lieu of volumetric examination.



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CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

9) System: SAFETY INJECTION ISO No.: 1-SI-549

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>	<u>Reason For</u> <u>Code Relief</u>
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124900	B4.9	B-K-1	51S	PC	Vol.	Surface	100	
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Relief is requested from performing 100% volumetric code examination of this collar to pipe weld. No U.T. examination can be made on this fillet weld due to its small size. Surface examination will be done in lieu of volumetric examination.

10) System: SAFETY INJECTION ISO No.: 1-SI-21

089600	B4.9	B-K-1	275-HL-1	HL	Vol.	None	N/A	
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Relief is requested from performing 10% of the volumetric code examination of this pipe lug weld from the side due to the close proximity of a welded pipe support.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

11) System: SAFETY INJECTION

ISO No.: 1-SI-25

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
095400	B4.9	B-K-1	23S-HL-3	HL	Vol.	None	22
095500	B4.9	B-K-1	23S-HL-4	HL	Vol.	None	22

Relief is requested from 22% of the volumetric code examination of these two pipe lug welds. The welds are located in a floor penetration with additional interference from an adjacent pipe restraint.

12) System: Chemical and Volume Control

ISO No.: 1-CS-92

127100	B4.5	B-J	23F	PV	Vol.	None	N/A
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Relief is requested from performing 17% of the volumetric code examination of this pipe to valve weld from the side due to the close proximity of welded lugs. No U.T. examination can be done from the valve side due to the steep taper of the valve body.





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CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

13) System: REACTOR COOLANT PUMPS.

ISO No.: N/A

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
148200	B5.4	B-K-1	Lug 2	SL	Vol.	Surface	100
149000	B5.4	B-K-1	Lug 2	SL	Vol.	Surface	100
149700	B5.4	B-K-1	Lug 1	SL	Vol.	Surface	100

Reason For  
Code Relief

Relief is requested from performing 100% volumetric code examination of these reactor coolant pump support lug welds. U.T. examination cannot be performed on the heavy walled cast stainless steel due to the steels highly attenuative properties. Surface examination will be performed on all accessible areas in lieu of volumetric examination. 5% of these welds cannot be surface examined due to support component and structural beam interference.

148400	B5.6	B-L-1	1-RCP	C	Vol.	*	*
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\*Relief is requested from performing radiographic examination of the reactor coolant pump circumferential weld in accordance with the 1974 Edition through the Summer 1975 Addenda (74S75) of the code. It is proposed that the 1977 Edition through the Summer 79 Addenda (77S79) apply in this case.

The 74S75 Edition requires that the weld and one wall thickness on each side of the weld receive examination while the 77S79 Edition restricts the examination volume to the weld and 1/2 inch either side of the weld. Due to the nature of performing radiographic examinations utilizing the MINAC, the requirements set forth in the



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CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 1

13) System: REACTOR COOLANT PUMPS (Cont'd).

ISO No.: N/A

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
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Reason For  
Code Relief

148400 (Continued)

later code are more realistic and yet do not encroach on the quality of the examination results. The radiographic requirements in the 77S79 clarify the requirements for the performance of radiographic examination and establish tolerances for density variations between density readings. This will increase the quality of the radiograph results and minimize radiation exposure.



ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

1) System: REACTOR VESSEL CLOSURE HEAD

ISO No.: N/A

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>	<u>Reason For</u> <u>Code Relief</u>
001100	B1.2	B-B	2-CMC-02	DP	Vol.	None	100	Relief is requested from performing 100% volumetric code examination of the reactor vessel closure head dollar plate weld. The weld is inaccessible for examination due to its location within the maze of reactor vessel control rod. drive housings.
001900	B1.2	B-C	2-CHC-01	HF	Vol.	None	4	Relief is requested from performing 4% volumetric code examination on this reactor vessel closure head flange weld. 4% of the weld cannot be U.T. examined due to physical interference from the heads three lifting lugs.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

2) System: PRESSURIZER

ISO No.: N/A

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>	<u>Reason For</u> <u>Code Relief</u>
006950	B2.2	B-D	2-RC-26	UHN	Vol.	None	N/A	The code requires volumetric examination from both sides of the nozzle to vessel head weld and on the weld. Relief is requested from performing the examination on the weld and from one side. It is not possible to conduct this U.T. examination on the weld surface and from the nozzle side due to nozzle blend radius interference which prevents contact of the U.T. search unit. This weld is examined from the vessel side for its full length.
008505	B2.8	B-H	2-PRZ-20	LHSK	Vol.	None	N/A	The code requires volumetric examination from both sides and on the weld surface of the pressurizer support skirt weld. Relief is requested from performing a U.T. examination from the lower head side because of the weld configuration. It is not possible to U.T. from the lower head side due to the curvature of the head and the offset of the support skirt. The weld is examined for its full length on the weld and from the support skirt side.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC:00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

3) System: REACTOR COOLANT

ISO No.: 2-RC-17

<u>LTP. Ref Number</u>	<u>ASME Sect XI Item No.</u>	<u>ASME Sect XI Catgy.</u>	<u>Weld Number</u>	<u>Weld Type</u>	<u>Reqd. Code Exam Method</u>	<u>ALT Exam Method</u>	<u>Weld Not Receiving Code Exam.</u>
015800	B4.6	B-J	08N	NBC	Vol.	*	N/A

Reason For Code Relief

Relief is requested from performing the code examination on the weld surface of this branch connection weld. No. U.T. examination can be done on the weld surface due to the curvature of the weld surface and the radius of the weld. This geometry precludes adequate U.T. search unit contact when the U.T. pitch catch technique is used on this highly attenuative stainless steel material. U.T. examination is conducted from the pipe side of the weld for its full length. \*Surface examination will supplement the U.T. examination.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

4) System: REACTOR COOLANT

ISO No.: 2-RC-32

<u>LTP</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>	<u>Reason For</u> <u>Code Relief</u>
047400	B4.9	B-K-1	PR1-PL-2	PL	Vol.	*	N/A	Relief is requested from performing the volumetric code examination on the weld surface of these pipe lug welds due to the small size of the fillet weld. U.T. was done from the pipe side. *Surface examination will be done to supplement the limited U.T. examination.
047500	B4.9	B-K-1	PR1-PL-2	PL	Vol.	*	N/A	
047600	B4.9	B-K-1	PR1-PL-2	PL	Vol.	*	N/A	



ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

5) System: REACTOR COOLANT

ISO No.: 2-TV-34

<u>LTP- Ref Number</u>	<u>ASME Sect XI Item No.</u>	<u>ASME Sect XI Catgy.</u>	<u>Weld Number</u>	<u>Weld Type</u>	<u>Reqd. Code Exam Method</u>	<u>ALT Exam. Method</u>	<u>%Weld Not Receiving Code Exam.</u>
054800	B4.9	B-K-1	PR1-PL-1	PL	Vol.	*	N/A
054900	B4.9	B-K-1	PR1-PL-2	PL	Vol.	*	N/A
055000	B4.9	B-K-1	PR1-PL-3	PL	Vol.	*	N/A

Reason For  
Code Relief

Relief is requested from performing the volumetric code examination on the weld surface of these pipe lug welds due to the small size of the fillet weld. U.T. was done from the pipe side. \*Surface examination will be done to supplement the limited U.T. examination.



ATTACHMENT G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

ATTACHMENT G TO  
AEP: NRC: 00070G

6) System: SAFETY INJECTION						ISO No.: 2-SI-56	
<u>LTP.</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
088000	B4.9	B-K-1	PR1-PL-1	PL	Vol.	*	N/A
088050	B4.9	B-K-1	PR1-PL-2	PL	Vol.	*	N/A

Reason For  
Code Relief

Relief is requested from performing the volumetric code examination on the weld surface of these pipe lug welds due to the small size of the fillet weld. U.T. was done from the pipe side. \*Surface examination will be done to supplement the limited U.T. examination.

7) System: CHEMICAL AND VOLUME CONTROL						ISO No.: 2-CS-119	
<u>LTP.</u> <u>Ref</u> <u>Number</u>	<u>ASME</u> <u>Sect XI</u> <u>Item No.</u>	<u>ASME</u> <u>Sect XI</u> <u>Catgy.</u>	<u>Weld</u> <u>Number</u>	<u>Weld</u> <u>Type</u>	<u>Reqd. Code</u> <u>Exam</u> <u>Method</u>	<u>ALT</u> <u>Exam</u> <u>Method</u>	<u>%Weld Not</u> <u>Receiving</u> <u>Code Exam.</u>
130000	B4.9	B-K-1	PR1-PL-1	PL	Vol.	*	N/A
134300	B4.9	B-K-1	PR1-PL-1	PL	Vol.	*	N/A

Relief is requested from performing the volumetric code examination on the weld surface of these pipe lug welds due to the small size of the fillet weld. U.T. was done from the pipe side. \*Surface examination will be done to supplement the limited U.T. examination.

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

8) System: REACTOR COOLANT PUMPS

ISO No.: N/A

LTP Ref Number	ASME Sect XI Item No.	ASME Sect XI Catgy.	Weld Number	Weld Type	Reqd. Code Exam Method	ALT Exam Method	%Weld Not Receiving Code Exam.
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153300	B5.4	B-K-1	3	SL	Vol.	Surface	100
153800	B5.4	B-K-1	2	SL	Vol.	Surface	100
154500	B5.4	B-K-1	1	SL	Vol.	Surface	100

Reason For  
Code Relief

Relief is requested from performing 100% volumetric code examination of these reactor coolant pump support lug welds. U.T. examination cannot be performed on the heavy walled cast stainless steel due to the steels highly attenuative properties. Surface examination will be performed on all accessible areas in lieu of volumetric examination. 5% of these welds cannot be surface examined due to support component and structural beam interference.

153400	B5.6	B-L-1	1-RCP	C	Vol.	*	*
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\*Relief is requested from performing radiographic examination of the reactor coolant pump circumferential weld in accordance with the 1974 Edition through the Summer 1975 Addenda (74S75) of the code. It is proposed that the 1977 Edition through the Summer 79 Addenda (77S79) apply in this case.

The 74S75 Edition requires that the weld and one wall thickness on each side of the weld receive examination while the 77S79 Edition restricts the examination volume to the weld and 1/2 inch either side of the weld. Due to the nature of performing radiographic examinations utilizing the MINAC, the requirements set forth in the

ATTACHMENT G

ATTACHMENT G TO  
AEP: NRC: 00070G

CLASS 1 WELDS FOR WHICH CODE RELIEF IS REQUESTED

DONALD C. COOK, UNIT 2

8) System: REACTOR COOLANT PUMPS (CONT'D.) ISO No.: N/A

<u>LTP</u>	<u>ASME</u>	<u>ASME</u>	<u>Weld</u>	<u>Weld</u>	<u>Reqd. Code</u>	<u>ALT</u>	<u>Weld Not</u>
<u>Ref</u>	<u>Sect XI</u>	<u>Sect XI</u>	<u>Number</u>	<u>Type</u>	<u>Exam</u>	<u>Exam</u>	<u>Receiving</u>
<u>Number</u>	<u>Item No.</u>	<u>Catgy.</u>	<u>Number</u>	<u>Type</u>	<u>Method</u>	<u>Method</u>	<u>Code Exam.</u>

Reason For  
Code Relief

153400 (Continued)

later code are more realistic and yet do not encroach on the quality of the examination results. The radiographic requirements in the 77S79 clarify the requirements for the performance of radiographic examination and establish tolerances for density variations between density readings. This will increase the quality of the radiograph results and and minimize radiation exposure.

