DWG. NO. OFD-133A-2.2 REV. 11

CCW C-6 OFD-133A-2.1 FROM CCW PUMP DISCHARGE

CCW F-2 OFD-133A-2.3 TO UNIT 2 CONDENSATE COOLERS

CCW L-13 OFD-133A-1.2 CROSSOVER FROM UNIT 1 OIL COOLER SUPPLY

2CCW-151

2CCW-88

2CCW-362

2CCWPU0024 EMERG. FDW. PUMP TURBINE OIL COOLER PUMP

2CCW-384

2CCW-363

SUCT. HOSE CONN. FOR AIR POWER E.F.W.P.T. OIL COOLER PUMP

DISCH. HOSE CONN. FOR AIR POWER E.F.W.P.T. OIL COOLER PUMP

2CCW-14 2CCW-15 2CCW-16 2CCW-17 2CCW-18 2CCW-19

2CCWMJ0005 2CCWMJ0006 2CCWMJ0007 2CCWMJ0008 2CCWMJ0009 2CCWMJ0010

2CCWRD 0013 2CCWTH 0014 2CCWTX 0092

2CCWRD 0014 2CCWTH 0015 2CCWTX 0093

2CCWRD 0015 2CCWTH 0016 2CCWTX 0094

2CCWPT 0110 P

2CCWRD 0016 2CCWTH 0017 2CCWTX 0095

2CCWRD 0017 2CCWTH 0018 2CCWTX 0096

2CCWRD 0018 2CCWTH 0013 2CCWTX 0097

C OFD-121A-2.1

C OFD-121A-2.2

C OFD-121A-2.3

UNIT 2 MAIN CONDENSER 2A 2C CD0008A

UNIT 2 MAIN CONDENSER 2B 2C CD0008B

UNIT 2 MAIN CONDENSER 2C 2C CD0008C

2A1 2A2 2B1 2B2 2C1 2C2

2CCWPT 0111 P

2CCWPT 0112 P

2CCW-1 2CCW-2 2CCW-3 2CCW-4 2CCW-5 2CCW-6

2CCWMJ0011 2CCWMJ0012 2CCWMJ0013 2CCWMJ0014 2CCWMJ0015 2CCWMJ0016

2CCWPG 0212 2CCWPG 0213 2CCWPG 0214 2CCWPG 0216 2CCWPG 0217

2CCWRD (4) 0019 0020 0021 0022

2CCWTH 0020

2CCWTX (4) 0098 0099 0100 0101

2CCWRD (4) 0023 0024 0025 0026

2CCWTH 0021

2CCWTX (4) 0102 0103 0104 0105

2CCWRD (4) 0027 0028 0029 0030

2CCWTH 0022

2CCWTX (4) 0106 0107 0108 0109

2CCWRD (4) 0031 0032 0033 0034

2CCWTH 0023

2CCWTX (4) 0110 0111 0112 0113

2CCWRD (4) 0035 0036 0037 0038

2CCWTH 0024

2CCWTX (4) 0114 0115 0116 0117

2CCWRD (4) 0039 0040 0041 0042

2CCWTH 0025

2CCWTX (4) 0118 0119 0120 0121

2CCWSN00A1 COLLECTOR SCREEN NOTE 4

2CCWSN00A2 COLLECTOR SCREEN NOTE 4

2CCWSN00B1 COLLECTOR SCREEN NOTE 4

2CCWSN00B2 COLLECTOR SCREEN NOTE 4

2CCWSN00C1 COLLECTOR SCREEN NOTE 4

2CCWSN00C2 COLLECTOR SCREEN NOTE 4

2CCWMJ0020 2CCWMJ0021 2CCWMJ0022 2CCWMJ0023

2CCW-20 2CCW-21 2CCW-22 2CCW-23 2CCW-24 2CCW-25

2CCWSV 0039 2CCWSV 0040 2CCWSV 0041 2CCWSV 0042 2CCWSV 0043 2CCWSV 0044

FROM HPS SUPPLY HEADER HPS H-4 OFD-124C-2.2

2CCW-402

2CCWPx 0031

2CCWTx 0251

2CCW-403

2CCWPx 0035

2CCWTx 0252

2CCW-404

2CCW-89

2CCW-416

2CCWPG 0071

2CCWFE 0241

EMERG. FDW. PUMP TURBINE OIL COOLER 2TO HX0001

TO OFD-135A

2CCW-32 2CCW-31

CCW G-2 OFD-133A-1.5 TO UNWATERING PUMP SUCTION

CCW F-12 OFD-133A-2.3 FROM UNIT 2 CONDENSATE COOLERS

FROM RCW COOLER DISCHARGE CCW G-14 OFD-133A-1.4

2CCW-71

TO CONTINUOUS PRIMING SYSTEM V B-6 OFD-121C-2.1

2V-195

2CCW-7

2CCW-30 2CCW-91

EMERGENCY DISCHARGE FROM UNIT 1 CCW D-12 OFD-133A-1.2

CCW F-1 OFD-133A-3.2 EMERGENCY DISCHARGE TO UNIT 3

MANHOLE #21 TO CONTINUOUS PRIMING SYSTEM V B-12 OFD-121C-2.1

V L-7 OFD-121C-1.3 TO MAIN VACUUM PUMPS V L-8 OFD-121C-1.3

MANHOLE NOS. 3 & 4 TO CONTINUOUS PRIMING SYSTEM V B-13 OFD-121C-2.1 V B-14 OFD-121C-2.1

MANHOLE #22 TO CONTINUOUS PRIMING SYSTEM V B-18 OFD-121C-2.1

TO DISCHARGE CANAL

TO DISCHARGE CANAL

NOTES:

1. OPERATING MODE REPRESENTED BY BOLD LINES: NORMAL CCW INTAKE & DISCHARGE.
2. 1/2" THRU 2" SCH. = XS
   2 1/2" THRU 10" SCH. = 40
   12" THRU 36" SCH. = STD.
3. PIPING COVERED BY CIVIL/ENVIRONMENTAL DIVISION SPECIFICATION NO. OSS-0101.00-00-0000 AND/OR ITEM NO. 12B.
4. INSTRUMENTATION TAPS ARE LOCATED AROUND THE CIRCUMFERENCE OF THE PIPE.
5. THE ORIGINAL ISSUE OF THIS DRAWING IS BASED ON PO-133A, REV. 27.
6. STAINLESS STEEL (PS-151.4) MAY BE SUBSTITUTED FOR PIPE SIZES 1/2" THRU 6".
7. THIS PIPING IS Q A 1, CLASS F, EXCEPT NO SEISMIC INTERACTION REVIEW WAS PERFORMED. PIPING IS NOT REQUIRED FOR SEISMIC EVENT. REFERENCE NSM-22805, REV. 8.

DESIGN PARAMETERS

LINE NO.	DUKE CLASS	DESIGN PRESS.	DESIGN TEMP.	MATERIAL	PIPE SPEC. NO.	PIPE SCH. NO.	ISI CLASS
1	NOTE 3	——	——	CS	NOTE 3	NOTE 3	C
2	NOTE 3	——	——	CS	NOTE 3	NOTE 3	~
3	F	50 PSIG	100°F	CS(NOTE 6)	150.6(NOTE 6)	NOTE 2	C
4	G	50 PSIG	100°F	CS(NOTE 6)	150.6(NOTE 6)	NOTE 2	~
5	F(NOTE 7)	50 PSIG	100°F	SS	151.4	SCH. 40	C
15	F	50 PSIG	100°F	CS(NOTE 6)	150.4(NOTE 6)	NOTE 2	C

DESIGN FLOW

NO.	FLOW
1	7 GPM

ANSTEC APERTURE CARD

Docket # 50-269
Accession # 9403170198
Date 3/10/94 of Ltr
Regulatory Docket File

Embedded or Buried piping not subject to relief

Exposed piping subject to relief

REQUEST FOR RELIEF # 94-03
sht 3 of 5

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9403230229

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QA CONDITION 1

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
11	DE-6263	[illegible]	1-26-94	JMF	1-26-94	LJA	2-7-94
10	REV. PER ONED-0182, REV. VALVE	DLR	11-18-93	JMF	11-18-93	LJA	11-22-93
---	SYMBOLS & REMOVED PIPE CAPS PER						
---	PER ED. EXEMPTION D.6.						

INSPECTED	CIVIL	ELEC.	MECH.
	JLH	NET	BHJ

DUKE POWER COMPANY
OCONEE NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
CONDENSER CIRCULATING WATER SYSTEM
(NORMAL INTAKE & DISCHARGE)

DESIGNER DK HARRELSON DATE 7-17-84 | ENGR. HQ McKAY DATE 8-1-84
DRAWN VD OWENS DATE 7-17-84 | INSP. EQ FRAMPTON DATE 8-2-84
CHECKED JB STRINGER DATE 7-17-84 | APPR. BE WARDELL DATE 8-5-84

SCALE | DWG. NO. OFD-133A-2.2 | REV. 11

ERN: 0X000LS7