DWG. NO. OFD-122A-1.2 REV. 8

FROM MAIN STEAM HEADER 1A MS J-1B OFD-122A-1.1

FROM MAIN STEAM HEADER 1B MS E-1B OFD-122A-1.1

TO START-UP STEAM HEADER AS J-7 OFD-128A-1.1

MAIN STEAM TURBINE BYPASS TO CONDENSER 1A C D-5 OFD-121A-1.1

MAIN STEAM TURBINE BYPASS TO CONDENSER 1B C D-5 OFD-121A-1.2

MAIN STEAM TURBINE BYPASS TO CONDENSER 1C C D-5 OFD-121A-1.3

MS I-4 OFD-122A-1.6 TO MAIN STEAM BYPASS DRAIN PUMPING TRAP TANK

MS I-5 OFD-122A-1.6 TO MAIN STEAM BYPASS DRAIN PUMPING TRAP TANK

MS I-6 OFD-122A-1.6 TO MAIN STEAM BYPASS DRAIN PUMPING TRAP TANK

KEY NO. 13 MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 14 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 15 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 17 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 18 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 19 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 20 TO MISC. DRAIN HDR. TO CONDENSER 1A C H-5 OFD-121A-1.1

KEY NO. 42 TO MISC. DRAIN HDR. TO CONDENSER 1C C H-4 OFD-121A-1.3

KEY NO. 43 TO MISC. DRAIN HDR. TO CONDENSER 1C C H-4 OFD-121A-1.3

DRAIN FROM FDW CLEAN-UP HEADER FDW G-4 OFD-121B-1.3

1MS-17 1MS-18 1MS-19 1MS-20 1MS-21 1MS-22 1MS-23 1MS-24 1MS-25 1MS-26 1MS-27 1MS-28 1MS-29 1MS-30 1MS-31 1MS-32 1MS-33 1MS-34

1SD-11 1SD-12 1SD-13 1SD-14 1SD-15 1SD-16 1SD-17 1SD-18 1SD-19 1SD-25 1SD-26 1SD-27 1SD-28 1SD-29 1SD-31 1SD-32 1SD-33 1SD-34 1SD-35 1SD-36 1SD-37 1SD-38 1SD-39 1SD-291 1SD-296 1SD-298 1SD-322 1SD-323 1SD-324 1SD-325 1SD-326 1SD-327 1SD-328 1SD-329 1SD-331 1SD-332 1SD-333 1SD-350 1SD-356 1SD-357 1SD-358 1SD-359 1SD-366 1SD-367 1SD-368 1SD-369 1SD-370 1SD-371 1SD-189

1SD TP0005 1SD TP0006 1SD TP0007 1SD TP0008 1SD TP0027 1SD TP0028 1SD TP0083 1SD TP0084 1SD TP0085 1SD TP0086 1SD TP0087 1SD TP0088

1MS PS 0087 1MS SV 0179 1MS MT 0087
1MS PS 0086 1MS SV 0178 1MS MT 2086
1MS PS 0085 1MS SV 0180 1MS MT 0013
1MS PS 0089 1MS SV 0181 1MS MT 0014

INFORMATION ONLY

ANSTEC APERTURE CARD

9403220159

NOTES:
1. OPERATING MODE REPRESENTED BY BOLD LINES
   STEAM BYPASS TO CONDENSER.
2. 1/2" THRU 6" SCH. = 80
   8" THRU 24" SCH. = 80
   28" MIN. WALL = 0.672"
   30" MIN. WALL = 1.164"
3. 1/2" THRU 10" SCH. = 40
   12" THRU 16" SCH. = STD.
   18" THRU 28" SCH. = XS
   30" SCH. = 30
4. 1/2" THRU 10" SCH. = 40
   12" THRU 18" SCH. = STD
   20" THRU 24" SCH. = XS
5. 1/2" THRU 10" SCH. = 40
   12" THRU 24" SCH. = STD
6. ORIGINAL ISSUE OF THIS DRAWING WAS BASED ON FD-122A-1, REV. 61.

DESIGN PARAMETERS

LINE NO.	DUKE CLASS	DESIGN PRESS.	DESIGN TEMP.	MATERIAL	PIPE SPEC. NO.	PIPE SCH. NO.	ISI CLASS
1	F	1050 PSIG	630°F	CS	6B8.5	NOTE 2	B
2	G	1050 PSIG	630°F	CS	6B8.5	NOTE 2	-
6	G	625 PSIG	550°F	CS	4B8.4	NOTE 3	-
7	G	520 PSIG	520°F	CS	3B8.4	NOTE 4	-
8	G	240 PSIG	450°F	CS	3B8.4	NOTE 5	-
9	G	1050 PSIG	630°F	CS	6B8.4	NOTE 2	-
10	G	ATM	212°F	CS	3B8.4	NOTE 2	-

DESIGN FLOW

NO.	FLOW
1	767,998 LBS/HR
2	997,328 LBS/HR

QA CONDITION 1

DUKE POWER COMPANY
OCONEE NUCLEAR STATION UNIT 1

'FLOW DIAGRAM OF MAIN STEAM SYSTEM (TURBINE BYPASSES)

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
8	REV. PER OE-5238 & OE-5239	BEK	1-18-94				
7	REV. PER OE-4068	RTH	11-4-91	NAS	11-07-91	LJA	11-08-91
6	REV. PER OE-3154	LER	6-11	NAS	5-16	PLS	5-25
ORIG.	ORIG. DRAWING RETIRED						

	CIVIL	ELEC.	MECH.
INSPECTED	DJR	NET	SGA
	HVD	NET	JRV

DESIGNED DK HAMBLETON DATE 12-10-84 INSP. EQ FRAMPTON DATE 12-10-84
DRAWN VO OWENS DATE 12-10-84 INSP. JB REEVES DATE 12-13-84
CHECKED JH SKINNER DATE 12-10-84 APPR. DE WARDELL DATE 12-14-84
SCALE DWG. NO. OFD-122A-1.2 REV. 8

Docket # 50-269
Accession # 9403110273
Date 3/2/94 of Ltr
Regulatory Docket File