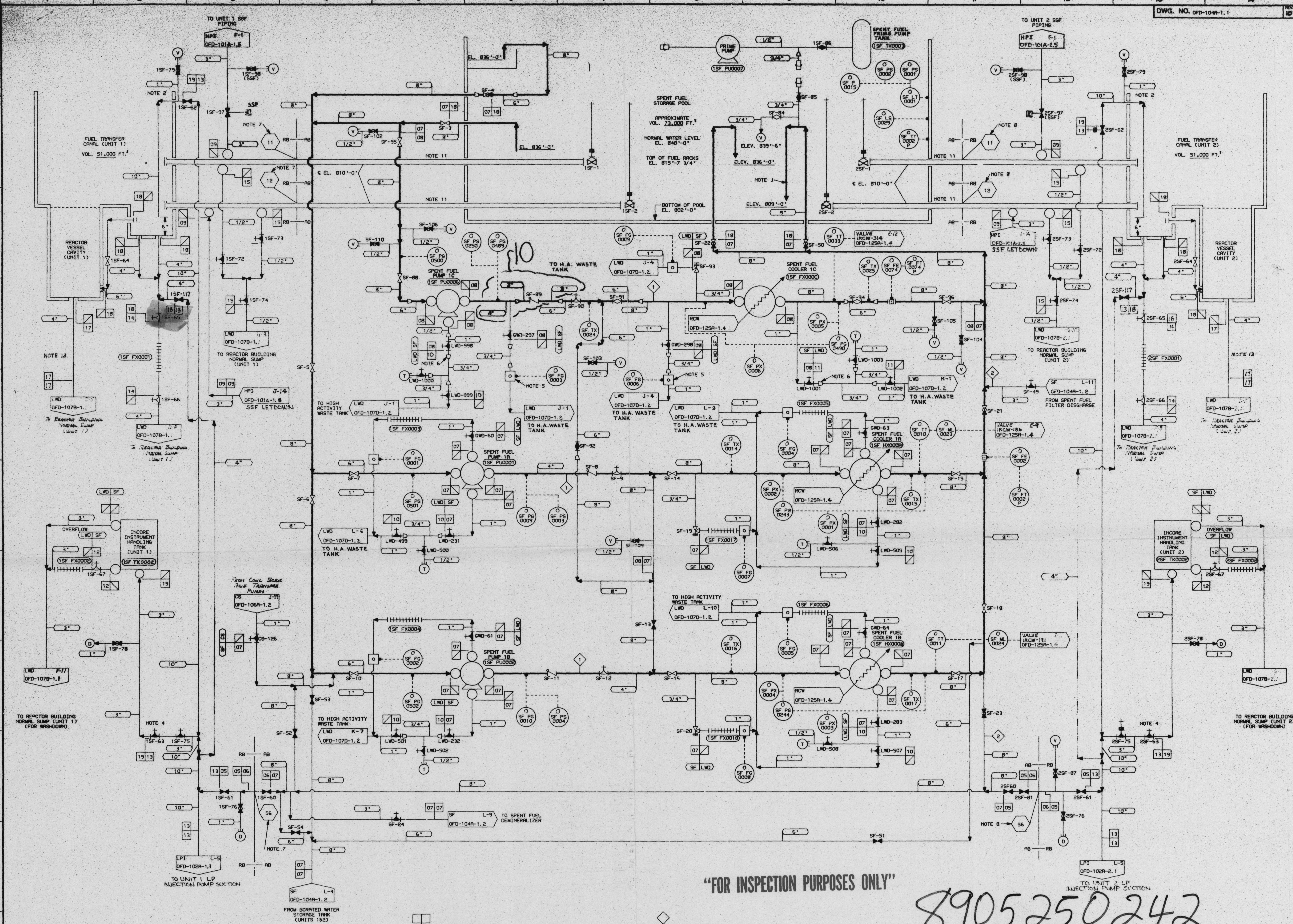

"FOR INSPECTION PURPOSES ONLY"

8905250242

NOTES:

1. OPERATING MODE REPRESENTED BY BOLD LINE: POOL COOLING WITH ALL THREE TRAINS OPERATING.
2. LINE TO ENTER CANAL AT EL. 825'-0". VALVE TO BE AT SAME LEVEL.
3. DRILL 1/2" HOLE 18" BELOW NORMAL WATER LEVEL FOR SIPHON BREAKER.
4. USE VALVES SF-63 AND 2SF-63 FOR TANK ISOLATION.
5. INSTALL SIGHT GLASSES IN VERTICAL SECTION OF PIPE.
6. 1" x 3/4" INSERT AND 3/4" PIPE REQ'D FOR STRESS ANALYSIS AT CLASS CHANGE.
7. FOR DETAIL OF TRANSITION REFER TO O-439C.
8. FOR DETAIL OF TRANSITION REFER TO O-1439C.
9. 1/2" THRU 2" sch = 40
   2 1/2" THRU 12" sch = 10s
   14" THRU 18" sch = 10
10. 1/2" THRU 8" sch = 40
11. FUEL TRANSFER TUBES ARE ISI CLASS B
12. THE ORIGINAL ISSUE OF THIS DRAWING IS BASED ON PO-104A-1, REV. 21.
13. PIPING FROM THE REACTOR VESSEL CAVITY TO THE R.B. NORMAL SUMP IS EMBEDDED.

DESIGN PARAMETERS

LINE NO.	DUKE CLASS	DESIGN PRESS	DESIGN TEMP	MATERIAL	PIPE SPEC. NO.	PIPE SCH. NO.	ISI CLASS
05	C	125 PSIG	250°F	SS	PS 151.3	NOTE 9	B
06	C	125 PSIG	250°F	SS	PS 151.3	20	B
07	C	125 PSIG	250°F	SS	PS 151.3	NOTE 9	C
08	C	125 PSIG	250°F	SS	PS 151.3	NOTE 10	C
09	B	35 PSIG	212°F	SS	PS 151.6	STU	B
10	E	125 PSIG	250°F	SS	PS 151.4	NOTE 9	–
11	E	125 PSIG	250°F	SS	PS 151.4	NOTE 10	–
12	C	100 PSIG	200°F	SS	PS 151.3	NOTE 9	C
13	C	100 PSIG	200°F	SS	PS 151.3	NOTE 9	–
14	E	100 PSIG	200°F	SS	PS 151.4	NOTE 9	–
15	BC	60 PSIG	200°F	SS	PS 151.3	40	B
17	H	50 PSIG	300°F	SS	PS 151.4	10s	–
18	C	ATM	200°F	SS	PS 151.3	NOTE 9	C
19	C	ATM	200°F	SS	PS 151.3	NOTE 9	–

DESIGN FLOW

NO.	FLOW
1	1000 GPM
2	180 GPM

SI APERTURE CARD

NO.	REVISIONS	DRN.	CHKD	DATE	APPR	DATE
10	REV PER OE 2000		DCL	3/1/89	WAH	3/16/89
9	REVISED PER ONPR-2433	RLB	BHB	12-1-88		12-8-88
8	REV PER NSM ON-1790/00, IMP. DATE: 4-[illegible]	DCL	BHB	6-30-88		
7	REV PER NSM ON-1890/00, TASK #2469D, IMP. DATE: 4-7-88	DCL	BHB	6-1-88		
6	MINOR CORRECTIONS TO CONT. FLAGS	LER		2-24-87		3-2-87
5	ADDED VALVE NO. @ E-12, H-12 & J-10. MINOR DRAWING CORRECTIONS TO INSTRUMENTS, DESIGN PARAMETERS AND CONTINUATION FLAGS.					10/8/86
4	[illegible]			7-18-86		
3	REV. PER NSM ON-1012, PART-L, W.O. [illegible]		SRB			
2	Rev. Per 79-14 Discrepancy Resolution # 56-001		JHH			
1	Rev Per NSM ON 1012, Pt H-76, Task 1632D, Imp. Date 11-15-83 & Pt H-09, Task 1635D, Imp. Date 11-12-83 & Misc. Drawing Corrections					
ORIG.	REDRAWN FOR DOCUMENT UPGRADE					

QA CONDITION 1

QA CONDITION 2

DUKE POWER COMPANY

OCONEE NUCLEAR STATION UNITS 1&2

FLOW DIAGRAM OF SPENT FUEL COOLING SYSTEM

DWG. NO. OFD-104A-1.1 REV. 10

H-13-2A