



- NOTES**
2. VALVES ARE SHOWN IN THE POSITION REQUIRED FOR PLANT OPERATION.
 3. 8" 25 INCH STRAINERS SHOULD BE PLACED OVER THE REFUELING CAVITY ORIFES.
 4. LOCATE DRAIN PIPE AS FAR FROM ORIFES AS POSSIBLE AND 10 FEET BELOW WATER LEVEL.
 5. PIPE MUST BE LOCATED ABOVE WATER LEVEL.
 6. LOCATE INDICATOR AT LEAST FOUR FEET FROM REFUELING CAVITY WALL.
 7. LOCATE FLOW INDICATOR OUTSIDE SAFETY INJECTION PUMP ROOF SEALED WALLS.
 8. SOFT SEALED WALLS.

9. TEMPERATURE TO BE MEASURED JUST INSIDE OF AUXILIARY BUILDING FRONT. OPERATOR WILL RECEIVE ALARM TO START OR LOCATE RECYCLE PUMP IF FLUID TEMPERATURE IS 25°.
10. PIPE SHOULD BE TURNED DOWN WITH A SCREEN OVER THE END.
11. FOUR HEATERS ARE APPROXIMATELY STAGGERED AROUND THE TANK AND ARE NO MORE THAN 1 FEET ABOVE THE TANK SPAG.
12. TEMPORARY STRAINER TO BE LEFT IN SERVICE AT THE REQUEST OF THE STEAM PRODUCTION DEPARTMENT.
13. VALVE LOCKED OPEN EXCEPT LEADING REFUELING. LOCATE VALVE AS CLOSE TO REFUELING CAVITY AS POSSIBLE WITH NO PIPING OR ORIFES ON THE CONTAINMENT SIDE.
14. LOCKED OPEN TO PREVENT OVERACCUMULATION.

DESIGN PARAMETERS

NO.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	50 PSIG	110°F	B	SS
02	450 PSIG	250°F	B	SS
03	175 PSIG	200°F	B	SS
04	175 PSIG	200°F	B	SS
05	50 PSIG	110°F	B	SS
06	50 PSIG	110°F	B	SS
07	50 PSIG	110°F	B	SS
08	50 PSIG	110°F	B	SS
09	50 PSIG	110°F	B	SS

DESIGN PARAMETERS

NO.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
10	175 PSIG	150°F	E	SS
11	50 PSIG	110°F	E	SS
12	150 PSIG	110°F	E	SS
13	150 PSIG	110°F	E	SS
14	110 PSIG	100°F	E	SS
15	100 PSIG	110°F	E	SS
16	100 PSIG	110°F	E	SS
17	50 PSIG	110°F	E	SS
18	150 PSIG	200°F	E	SS

APPROVED PRESSURE RELIEF DESIGN - REV. 3 (1004-1-77-81)
 CLEARED FOR PRESSURE RELIEF TESTING - REV. 3 (1004-1-77-81)

REVISIONS

NO.	DESCRIPTION	DATE	BY	CHKD
1	REV. FOR C&I	09-10-81	...	...
2	REV. FOR C&I	09-10-81	...	...
3	REV. FOR C&I	09-10-81	...	...
4	REV. FOR C&I	09-10-81	...	...
5	REV. FOR C&I	09-10-81	...	...
6	REV. FOR C&I	09-10-81	...	...
7	REV. FOR C&I	09-10-81	...	...
8	REV. FOR C&I	09-10-81	...	...
9	REV. FOR C&I	09-10-81	...	...
10	REV. FOR C&I	09-10-81	...	...
11	REV. FOR C&I	09-10-81	...	...
12	REV. FOR C&I	09-10-81	...	...
13	REV. FOR C&I	09-10-81	...	...
14	REV. FOR C&I	09-10-81	...	...
15	REV. FOR C&I	09-10-81	...	...
16	REV. FOR C&I	09-10-81	...	...
17	REV. FOR C&I	09-10-81	...	...
18	REV. FOR C&I	09-10-81	...	...
19	REV. FOR C&I	09-10-81	...	...
20	REV. FOR C&I	09-10-81	...	...
21	REV. FOR C&I	09-10-81	...	...

AS BUILT
 REV. 5-28-81

O.A. CONDITION 2
O.A. CONDITION 1

DUKE POWER COMPANY
 NUCLEAR REACTOR STATION UNIT 2

FLOW DIAGRAM OF
 REFUELING WATER SYSTEM
 (LPS)

DWG. NO. MC-2571-1.0

FOR INFORMATION ONLY

SI
 APERTURE
 CARD

5HT1

ITEM NUMBERS

COG 011-022 REFUELING WATER STORAGE TANK
 COG 021-027 54574

CL 2 448R0

MMH 5028

PDR RIDS

