



NOTES:

- DELETED
- SEE SYSTEM DESCRIPTION FOR NORMAL OPERATING CONDITIONS.
- UNIT ONE OR UNIT TWO SAFETY SIGNAL BUT VALVES CAN BE SUPPLIED WITH POWER FROM EITHER UNIT.
- THE UNIT 2 VALVE CLOSEST TO THE CONTINUATION FLAG MUST BE INSTALLED FOR UNIT 1 INDEPENDENT OPERATION.
- VALVES 08N0301A AND 08N0302B RECEIVE AN SP SIGNAL FROM EITHER UNIT TO CLOSE.
- DELETED
- DELETED
- OPERATED FROM STANDBY SHUTDOWN FACILITY.
- VALVE DESIGN PRESSURE IS 150 PSIG.
- PIPING INSTALLED IN STAIRWELL PLANNED TO FACILITATE REMOVAL.
- VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCS-1206, 08-02-0002 USING ENGINEERING SPECIFICATION MGS-ES-1A, 1B, 1C AND 1D.
- 3/4 IN. STAINLESS TUBING TO BE FIELD ROUTED BETWEEN VALVES 1RN1068 AND 1RN1066.
- 1 IN. STAINLESS STEEL TUBING TO BE FIELD ROUTED BETWEEN 1RN0325 AND 1RN1065. TUBING TO BE INSTALLED PER CONST. SPEC. MCS-1210.05-00-0038.
- DELETED
- 1 IN. STAINLESS STEEL TUBING TO BE FIELD ROUTED BETWEEN 1RN0325 AND 1RN1065. TUBING TO BE INSTALLED PER CONST. SPEC. MCS-1210.05-00-0038.
- DELETED
- REQUIRES SECURITY NOTIFICATION PRIOR TO DISASSEMBLY/REMOVAL.
- NON-0A QUICK CONNECT INSTRUMENT FITTING WITH A CAP IS INSTALLED.
- DELETED
- BLIND FLANGE 08NFA0001 IS PROVIDED FOR ISOLATION OF THE 'A' TRAIN SUCTION FROM THE SHWP IF REQUIRED FOR MAINTENANCE. BLIND FLANGE 08NFA0001 IS NOT NORMALLY INSTALLED.
20. MANWAY WITH VENT VALVE.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
RC07	PS 150.4	30 PSIG	100 F	H	CS
RN01	PS 150.3	35 PSIG	102 F	C	CS
RN04	PS 150.3	135 PSIG	150 F	C	CS/SS
RN05	PS 151.3	135 PSIG	150 F	C	SS
RN08	PS 150.4	135 PSIG	150 F	F	CS
RN09	PS 150.4	40 PSIG	150 F	6	CS
RN10	PS 150.4	35 PSIG	95 F	6	CS
RN11	PS 150.4	35 PSIG	95 F	F	CS
RN20	PS 151.3	135 PSIG	102 F	C	SS
RN1A	PS 150.3	25 PSIG	102 F	C	ST
RN27	TS 2701.1	135 PSIG	150 F	F	SS
RN28	PS 151.4	135 PSIG	150 F	F	SS
RN4R	PS 150.3	30 PSIG	150 F	C	CS
RN0R	PS 150.4	40 PSIG	150 F	F	CS
RN04	PS 150.3	35 PSIG	95 F	C	CS
RN06	PS 151.3	35 PSIG	95 F	C	SS
RN10	PS 150.4	135 PSIG	150 F	F	CS
RN12	PS 150.4	135 PSIG	150 F	F	CS
RV02	PS 150.4	135 PSIG	150 F	F	CS
RV04	PS 150.4	135 PSIG	150 F	F	CS

DUKE ENERGY
MCGUIRE NUCLEAR STATION UNIT 1 & 2
FLOW DIAGRAM OF
NUCLEAR SERVICE WATER
SYSTEM (RN)

DESIGNER: J.W. ROBBINS, DATE 10-25-94
DRAWN: J. WILLIAMS, DATE 10-24-94
CHECKED: M. PLESIO, DATE 10-24-94
SCALE: AS SHOWN
DWG. NO. MCFD-1574-01.00
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