



NOTES

1. VALVE DESIGN PRESSURE IS 150 PSIG.

2. INSULATE ALL PIPING ON THIS DIAGRAM.

3. LOCATE FLOW INDICATOR NEAR DOWNSTREAM THROTTLING VALVE TO FACILITATE THROTTLING.

4. CLEAN OUT CONNECTION.

5. CONNECTION FOR FUTURE CHEMICAL METERING PUMP.

6. CONNECTION FOR DEMINERALIZED WATER MAKE-UP.

7. AIR CONNECTION FOR H.X. CLEANING.

8. THE STEM LOCKOUT ON THIS VALVE MUST BE LOOSENED BEFORE THE VALVE CAN BE REPOSITIONED.

10. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCS-1206.00-02-0002 USING ENGINEERING SPECIFICATION MCG-ES-1A, 1B, 1C AND 1D.

11. FOR CENTRIFUGAL CHARGING PUMP - 2B SEE MCFD-2554-03.01.

12. FOR SAFETY INJECTION PUMP - 2B SEE MCFD-2562-03.00.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
RN03	PS 150.3	135 PSIG	102 F	C	CS/SS
RN04	PS 150.3	135 PSIG	150 F	C	CS/SS
RN05	PS 151.3	135 PSIG	150 F	C	SS
RN17	PS 151.4	135 PSIG	150 F	C	SS
RN20	PS 151.3	135 PSIG	102 F	C	SS
RN21	PS 150.3	150 PSIG	150 F	C	CS
RN22	TS 2701.1	135 PSIG	150 F	H	ST
RN23	TS 2701.1	150 PSIG	150 F	H	ST
RN26	PS 151.4	150 PSIG	150 F	H	SS
RN29	PS 150.4	150 PSIG	150 F	H	CS
RN37	PS 150.4	35 PSIG	102 F	O	CS

QA CONDITION 1

DUKE ENERGY  
MCGUIRE NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF  
NUCLEAR SERVICE WATER  
SYSTEM (RN)

11 AS-BUILT PER EC112466

NO. REVISIONS

SCALE DWG. NO. MCFD-2574-03.01 REV. 11

D08