



NOTES-LS)

1. VALVE DESIGN PRESSURE IS 150 PSIG
2. CLEAN OUT CONNECTION
3. LOCATE FLOW INDICATOR NEAR DOWNSTREAM THROTTLING VALVE TO FACILITATE THROTTLING
4. INSULATE ALL PIPING ON THIS DIAGRAM
5. DRAINING INSTALLED USING 1 INCH WET TAPS
6. CONNECTION FOR FUTURE CHEMICAL METERING PUMP
7. CONNECTION FOR DEMINERALIZED WATER MAKE UP
8. AIR CONNECTION FOR H.X. CLEANING
9. THE STEM LOCKNUT 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 MDG-ES-1A, 1B, 1C, AND 1D.
11. FOR CENTRIFUGAL CHARGING PUMP "2A" SEE MCFD-2554-03.01.
12. FOR SAFETY INJECTION PUMP "2A" 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
RN04	PS 150.3	135 PSIG	150 F	C	CS
RN05	PS 151.3	135 PSIG	150 F	C	SS
RN07	PS 150.4	135 PSIG	150 F	C	CS
RN09	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

ER:MC0041WU

NOTE: DRAWING MCFD-2574-02.01 REPLACES MC-2574-2.1 REV. 14

QA CONDITION 1

DUKE ENERGY
MCQUIRE NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
NUCLEAR SERVICE WATER

DESIGNER	DATE	INSPECTION	DATE
AS-BUILT PER EC108853	SDP 5/1	JRC 5/1	GLM 5/1

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
11	AS-BUILT PER EC108853	SDP	5/1	JRC	5/1	GLM	5/1

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