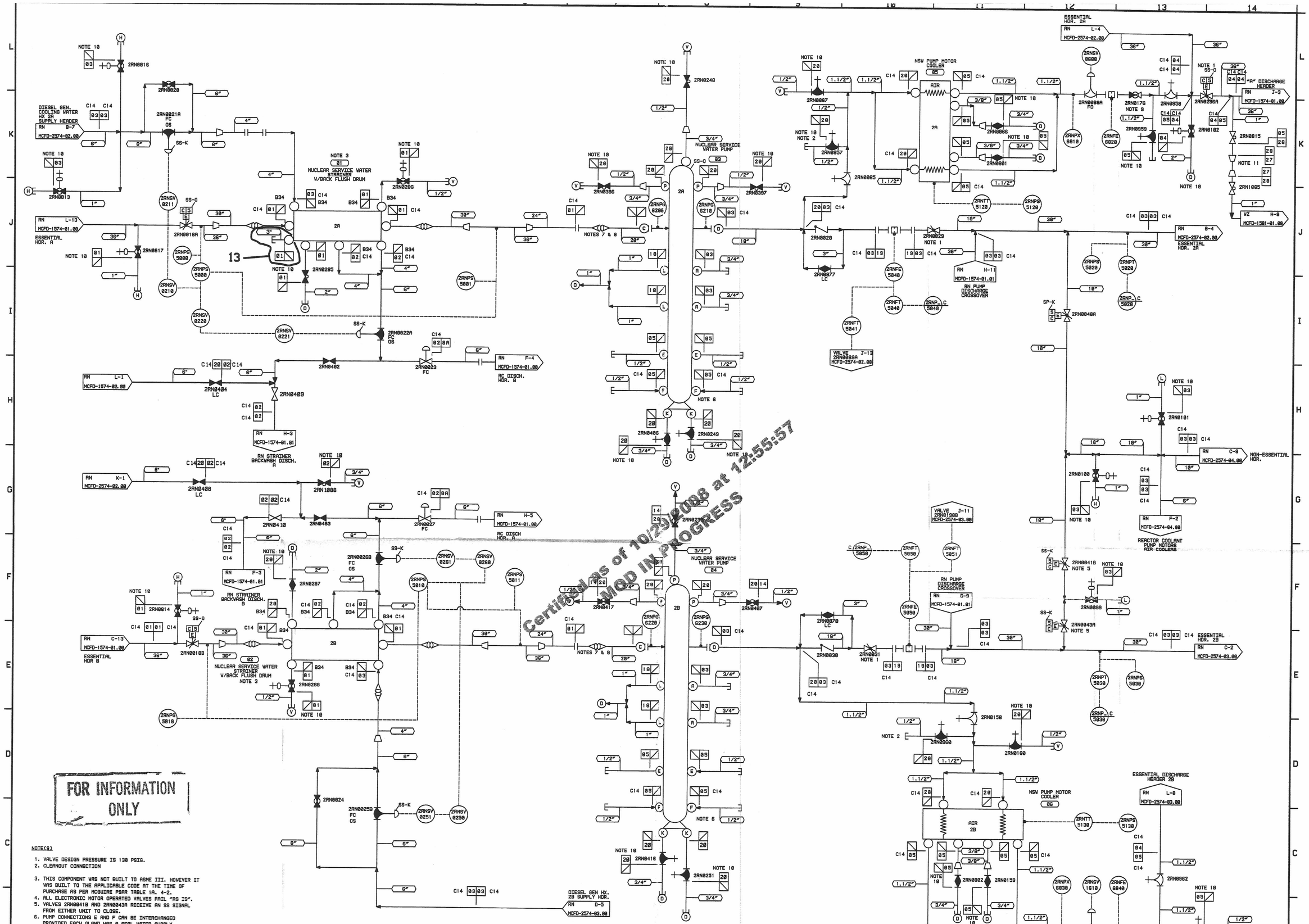

NOTE(S)

1. VALVE DESIGN PRESSURE IS 130 PSIG.
2. CLEANOUT CONNECTION
3. THIS COMPONENT WAS NOT BUILT TO ASME III. HOWEVER IT WAS BUILT TO THE APPLICABLE CODE AT THE TIME OF PURCHASE AS PER MCGUIRE PSAR TABLE 1A. 4-2.
4. ALL ELECTRONIC MOTOR OPERATED VALVES FAIL "AS IS".
5. VALVES 2RN0041B AND 2RN0043A RECEIVE AN SS SIGNAL FROM EITHER UNIT TO CLOSE.
6. PUMP CONNECTIONS E AND F CAN BE INTERCHANGED PROVIDED EACH GLAND HAS A SEAL WATER SUPPLY AND A SEAL WATER RETURN. CONNECTIONS SHOWN ARE TYPICAL.
7. EXPANSION JOINT REDUCES FROM 24 INCHES TO 20 INCHES.
8. EXPANSION JOINT BUILT TO ASME III, CLASS 3.
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. 1 INCH STAINLESS TUBING TO BE FIELD ROUTED BETWEEN VALVES 2RN0015 AND 2RN1065. TUBING TO BE INSTALLED PER CONST. SPEC. MCS-1216.05-00-0038.
12. DELETED

Duke Energy Corporation
Relief Request #09-GO-001
Attachment D, Page 4 of 4

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
RN01	PS 150.3	35 PSIG	95 F	C	CS
RN02	PS 150.3	135 PSIG	95 F	C	CS
RN03	PS 150.3	135 PSIG	95 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
RN08	PS 150.4	135 PSIG	150 F	F	CS
RN14	TS 2701.1	135 PSIG	95 F	C	ST
RN18	PS 151.4	35 PSIG	95 F	G	SS
RN19	PS 151.3	135 PSIG	95 F	C	SS
RN20	PS 151.3	135 PSIG	95 F	C	SS
RN27	TS 2701.1	135 PSIG	150 F	F	ST
RN28	PS 151.4	135 PSIG	150 F	F	SS
RN8A	PS 150.4	40 PSIG	150 F	F	CS

NOTE: DRAWING MCFD-2574-01.01 REPLACES MC-2574-1.1 REV. 15

QA CONDITION 1 AND 4

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
13	AS-BUILT PER MD201697 & MD201633	DRP 98-22		JRC 98-22		PJR 98-22		-W-	-W-	-W-
12	AS-BUILT PER MD100461	DRP 98-18		EPR 98-18		PJR 98-18		-W-	-W-	-W-
11	AS-BUILT PER MD200464	DRP 97-11		EPR 97-11		RDM 97-11		LSW	MAB	JWB
10	AS-BUILT PER MD200987	RDR 96-2		JRC 96-10		RDM 96-10		—	—	—
9	AS-BUILT PER MGMM-14040	DRP 93-20		EPR 93-20		WMS 93-26		ARS	MAB	JWR

INSPECTED

DUKE ENERGY
MCGUIRE NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
NUCLEAR SERVICE WATER
SYSTEM (RN)

DESIGNER JW ROBBINS DATE 10-28-94 — INSP. HV DINH DATE 10-28-94
DRAWN JW WILLIAMS DATE 10-12-94 — INSP. DJ WILLIAMS DATE 11-10-94
CHECKED MJ BLESO DATE 10-12-94 — APPR. RA HARRIS DATE 11-11-94

SCALE — DWG. NO. MCFD-2574-01.01 — REV. 13

ERN: MC0041WS