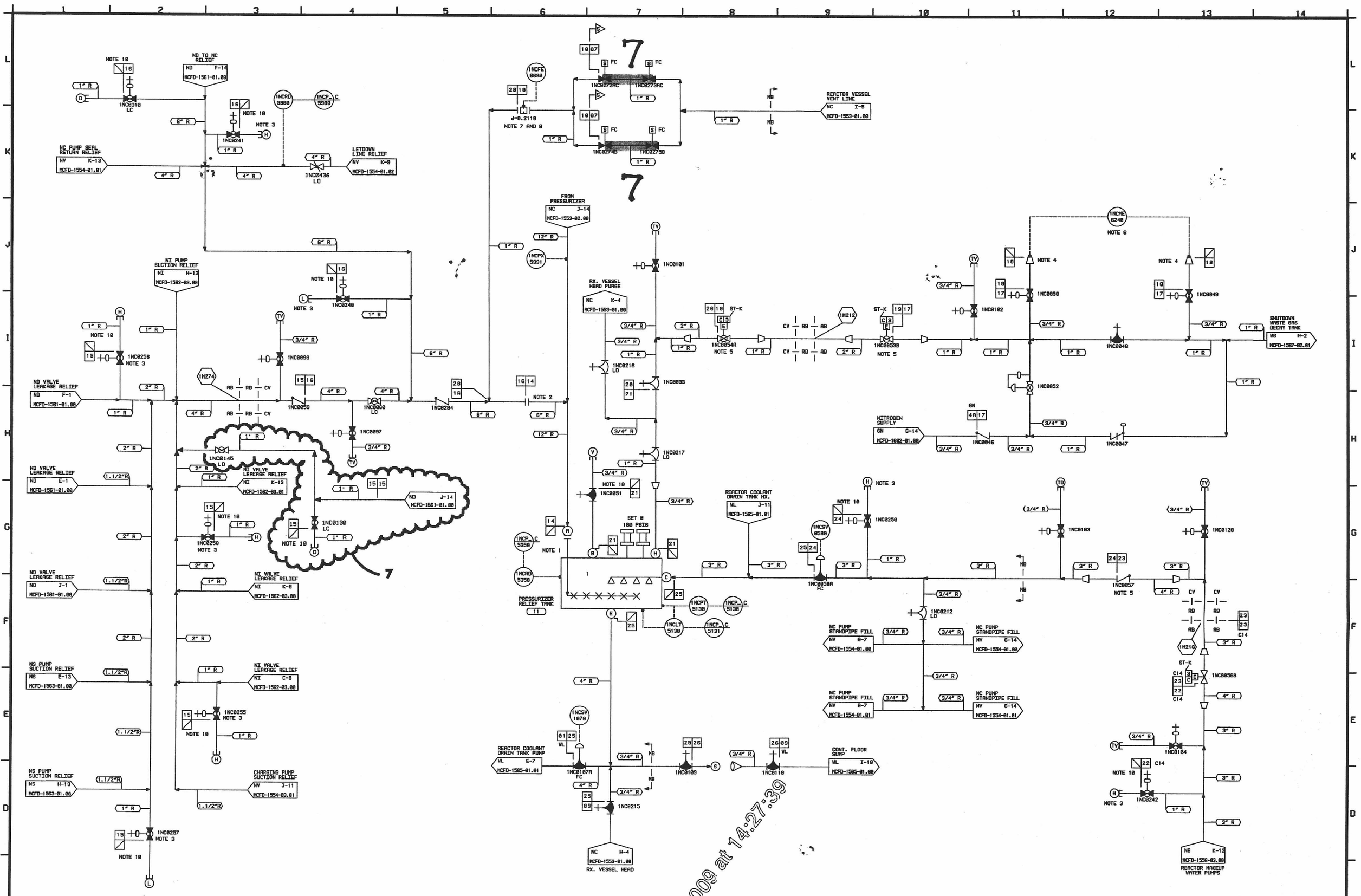

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
6N4A	PS 150.4	150 PSIG	120 F	B	PB
NC07	PS 2501.1	2485 PSIG	650 F	A	SS
NC09	PS 2501.4	50 PSIG	400 F	E	SS
NC10	PS 2501.2	2485 PSIG	650 F	B	SS
NOTE 11 NC14	PS 601.4	500 PSIG	470 F	E	SS
NC15	PS 151.2	100 PSIG	350 F	B	SS
NC16	PS 151.4	100 PSIG	383 F	E	SS
NC17	PS 151.3	150 PSIG	200 F	C	SS
NC18	PS 151.4	150 PSIG	200 F	E	SS
NC19	PS 151.2	150 PSIG	250 F	B	SS
NC20	PS 151.4	150 PSIG	200 F	E	SS
NC21	PS 151.4	100 PSIG	200 F	E	SS
NC22	PS 151.4	150 PSIG	100 F	E	SS
NC23	PS 151.2	150 PSIG	250 F	B	SS
NC24	PS 151.4	150 PSIG	200 F	E	SS
NC25	PS 151.4	100 PSIG	200 F	E	SS
NC26	PS 151.4	50 PSIG	100 F	E	SS
NC28	PS 601.4	650 PSIG	700 F	E	SS
WL01	PS 151.4	100 PSIG	200 F	E	SS
WL09	PS 151.4	50 PSIG	200 F	E	SS

NOTE(S)

1. VENT HOLE PROVIDED.
2. DUKE TO FURNISH 600 LB. ASA FLANGES. FLANGE END ON PIPE CONNECTING TO PRT HEADER LINE TO BE MACHINED TO FIT. LOCATE CONNECTION AS CLOSE AS POSSIBLE TO PRT.
3. VENTS AND DRAINS ADDED BY CONSTRUCTION.
4. PIPE TO TUBE ADAPTER.
5. SOFT SEATED VALVE.
6. SAMPLE VESSEL.
7. BLANK FLANGE TO BE INSTALLED FOR HYDRO PURPOSES.
8. 1/4 INCH THICK ORIFICE PLATE REQUIRED.
9. THIS DWG. SUPERSEDED FROM MC-1553-2.0, REV. 16.
10. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MC9-1206.00-02-0002 USING ENGINEERING SPECIFICATION MDG-ES-1A, 1B, 1C AND 1D.
11. PIPING HAS BEEN ANALYZED FOR 500 F AND 300 PSIG.
12. FUTURE PRESSURIZER RELIEF TANK RELIEF VALVE DISCHARGE.

S-S-S
STANDBY SHUTDOWN SYSTEM

NOTE: DRAWING MCFD-1553-02.01 REPLACES MC-1553-2.1 REV. 1

QA CONDITION 1 AND 2

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH
7	AS-BUILT PER EC97637/MD101661	DRP	05-2	EKK	05-2	RDM	05-2	-W-	-W-	-W-
6	AS-BUILT PER MD101854	DRP	12-6	EPR	12-6	RDM	12-6	-W-	-W-	-W-
5	AS-BUILT PER MD100045	CJZ	03-20	PSC	03-21	RDM	03-21			
4	AS-BUILT PER MOMM-13065	PSC	01-14	JRC	01-15	RDM	01-16	LSW	RFT	BSH
3	AS-BUILT PER MOMM-11568	JRC	4-5	DHM	4-8	RDM	4-11	LSW	MND	BSH
2	AS-BUILT PER MOMM-11375	RDR	11-22	EKK	11-30	JJN	12-1	HVD	CWW	JWB
1	AS-BUILT PER MOMM-9016	RDR	6-1	DHM	6-9	HHW	6-9	ARS	MND	BSH
0	ISSUED PER SPR #4486									

INSPECTED

DUKE ENERGY
MCGUIRE NUCLEAR STATION UNIT 1

FLOW DIAGRAM OF
REACTOR COOLANT SYSTEM
(NC)

DESIGNER B. S. HOWELL DATE 12-17-96 INSP. A. R. SHAH DATE 12-14-96
DRAWN J. WHITWORTH DATE 12-13-96 INSP. M. N. DICKS DATE 12-30-96
CHECKED C. BRINKLEY DATE 12-16-96 APPR. M. L. WALLACE DATE 01-16-97

SCALE DWG. NO. MCFD-1553-02.01 REV. 7

ERN: MC0093DT

Certified as of 05/28/2009 at 14:27:39

D02

Duke Energy Corporation
Relief Request # 09-MN-005
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