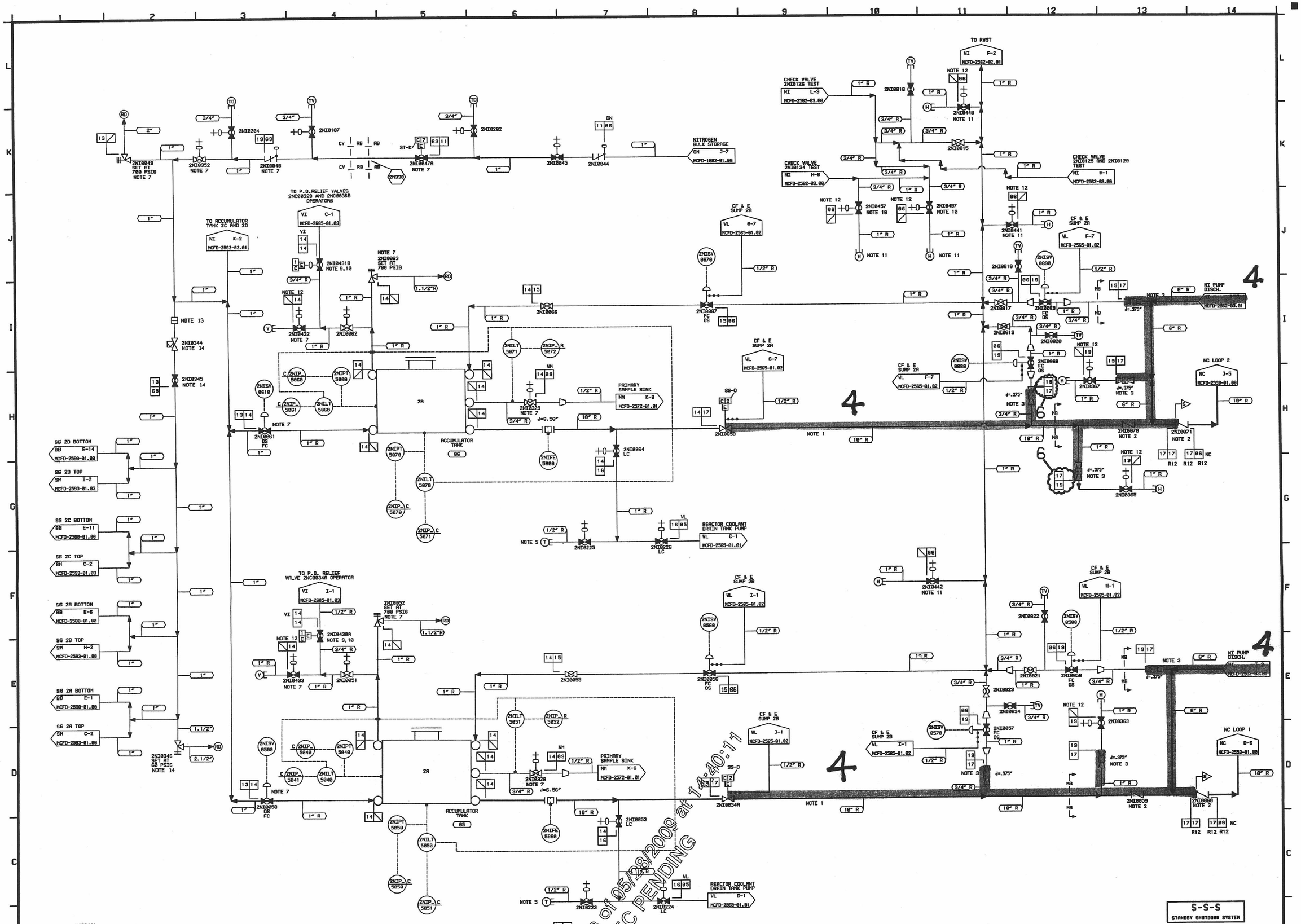

Certified as of 05/28/2009 at 14:40:11
EC PENDING

NOTE(S)

1. PIPING SCHEDULE 140 MUST BE ADHERED TO DUE TO SAFETY ANALYSIS FLOW REQUIREMENTS.
2. LOCATE VALVES AS CLOSE TOGETHER AND AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
3. 3/8 INCH ID FLOW RESTRICTION REQUIRED.
4. DELETED
5. ARRANGE TELL-TALE FOR EASY DRAINAGE INTO HAND CARRIED VESSEL.
6. DELETED
7. VALVE PROVIDED WITH SOFT SEAT.
8. DELETED
9. LOCATE VALVE CLOSE TO ACCUMULATOR.
10. USE 3/4 INCH x 1/2 INCH REDUCING INSERT.
11. HIGH POINT VENTS AND DRAINS RODED BY CONSTRUCTION FOR FLUSH AND HYDRO.
12. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCS-1206.00-02-0002 USING ENGINEERING SPECIFICATION MCS-ES-1A, 1B, 1C AND 1D.
13. BLANK FULL COUPLING INSTALLED.
14. FUNCTIONALLY ISOLATED BUT REQUIRED FOR SEISMIC ANALYSIS.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
GN06	PS 400.4	700 PSIG	150 F	G	CS
NC06	PS 2501.1	2485 PSIG	650 F	E	SS
NI06	PS 2501.4	2485 PSIG	650 F	E	SS
NI11	PS 300.4	700 PSIG	150 F	G	CS
NI13	PS 400.4	700 PSIG	150 F	G	CS
NI14	PS 601.2	700 PSIG	300 F	B	SS
NI15	PS 2501.2	2485 PSIG	650 F	B	SS
NI16	PS 601.4	700 PSIG	300 F	E	SS
NI17	PS 2501.1	2485 PSIG	650 F	A	SS
NI19	PS 2501.2	2485 PSIG	650 F	B	SS
NI63	PS 600.2	700 PSIG	250 F	B	CS
NI65	PS 150.4	60 PSIG	300 F	G	CS
NM09	PS 601.2	700 PSIG	300 F	B	SS
VI14	PS 601.4	700 PSIG	120 F	F	SS
WL05	PS 601.4	700 PSIG	300 F	E	SS
WL43	TS 2701.1	100 PSIG	200 F	E	ST

NOTE: DRAWING MCFD-2562-02.00 REPLACES MC-2562-2.0 REV. 12

QA CONDITION 1 AND 2

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
								INSPECTED		
6	PER M-09-00778/EX. CODE G.8							-W-	-W-	-W-
5	PER M-08-03819/EXEMPT CODE G.18	EJZ	8-22-95	HKS	8-30-95	RDM	8-30-95	-W-	-W-	-W-
4	EXEMPT CODE G-18 (M-05-00327)	JRC	7-18-94	EPR	7-18-94	RDM	7-18-94	GRS	MAB	BSH
3	AS-BUILT PER MDMM-14005	HKS	9-25-92	JRC	9-25-92	DWD	9-25-92	LSW	DBS	RMR
2	AS-BUILT PER MDMM-13809	JRC	12-11-92	EPR	12-11-92	RDM	12-18-92	LSW	MAB	JWB
DRIG.	ORIGINAL DRAWING RETIRED									

DUKE ENERGY
MCGUIRE NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF
SAFETY INJECTION SYSTEM
(NI)

DESIGNER RW BEVELS DATE 8-24-95 INSP. R BUNN DATE 8-30-95
DRAWN LA WALLWORTH DATE 8-23-95 INSP. MN DICKS DATE 10-25-95
CHECKED WJ BLESO DATE 8-23-95 APPR. RA HARRIS DATE 11-2-95

SCALE DWG. NO. MCFD-2562-02.00 REV. 6

ERN: MC009086

D15