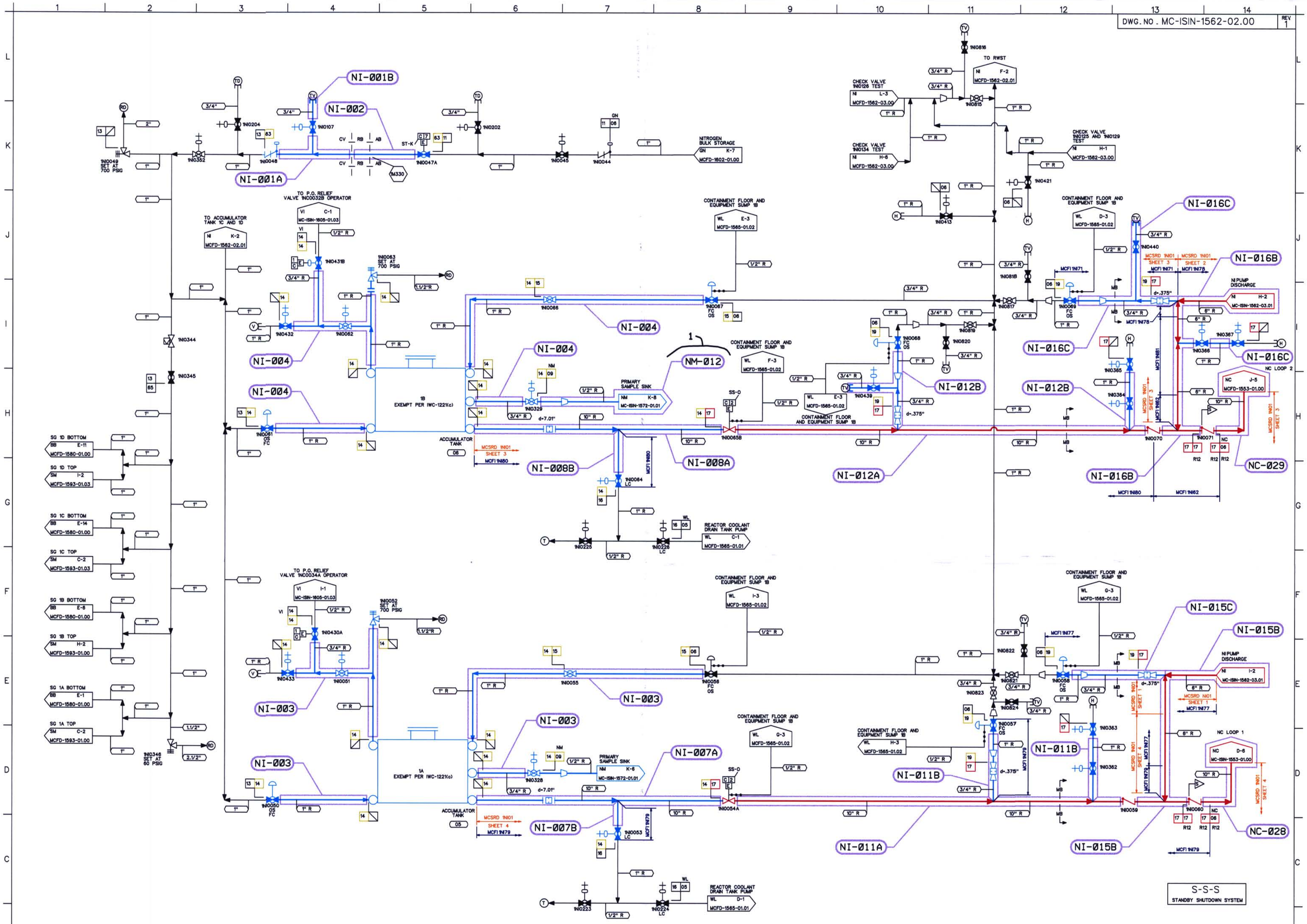
DWG. NO. MC-ISIN-1562-02.00 REV 1



NOTES:

1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWB-1221(b)(1): NI17.
2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1221(b)(1), (c): NI14, NI15, NI-19, NI63.
3. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

REFERENCE FLOW DIAGRAM
MCFD-1562-02.00 REV. 2
ERN:MC0099WU

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	A	SS
NI06	PS 2501.4	2485 PSIG	650 F	E	SS
NI11	PS 400.4	700 PSIG	150 F	G	CS
NI13	PS 400.4	700 PSIG	160 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

LEGEND

- ISI CLASS 1
- ISI CLASS 2
- ISI CLASS 3
- ISI EXEMPT
- NON-ISI

THIS DRAWING IS FOR INSERVICE INSPECTION ONLY AND SHALL NOT BE USED FOR OTHER PURPOSES SUCH AS MAINTENANCE, MODIFICATION, OR REPAIRS. THIS DRAWING SHALL BE REVISED WHEN AS-BUILT CHANGES AFFECT THE INSERVICE INSPECTION BOUNDARIES AND DETAILS OF THE COMPONENTS/SYSTEMS SHOWN.

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
1	ADDED SEGMENT NM-012	TDM	5-2-01	GDS	5-2-01	RKR	5-2-01	W	A	IV E D
ORIG	RELEASED FOR ISI USE ONLY	TDM	11-7-00	PTF	11-8-00	RKR	12-14-00	W	A	IV E D

INSPECTED

QA CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION NDE BOUNDARY OF SAFETY INJECTION SYSTEM
(NI)

DESIGNER	TIM MYERS	DATE	11-7-00	INSP.	WAIVED
DRAWN	TIM MYERS	DATE	11-7-00	INSP.	WAIVED
CHECKED	GARY D SCARBORO	DATE	11-7-00	APPR.	R. KEVIN RHYNE
SCALE					

DATE 12-14-00

DWG. NO. MC-ISIN-1562-02.00 REV 1

D-26