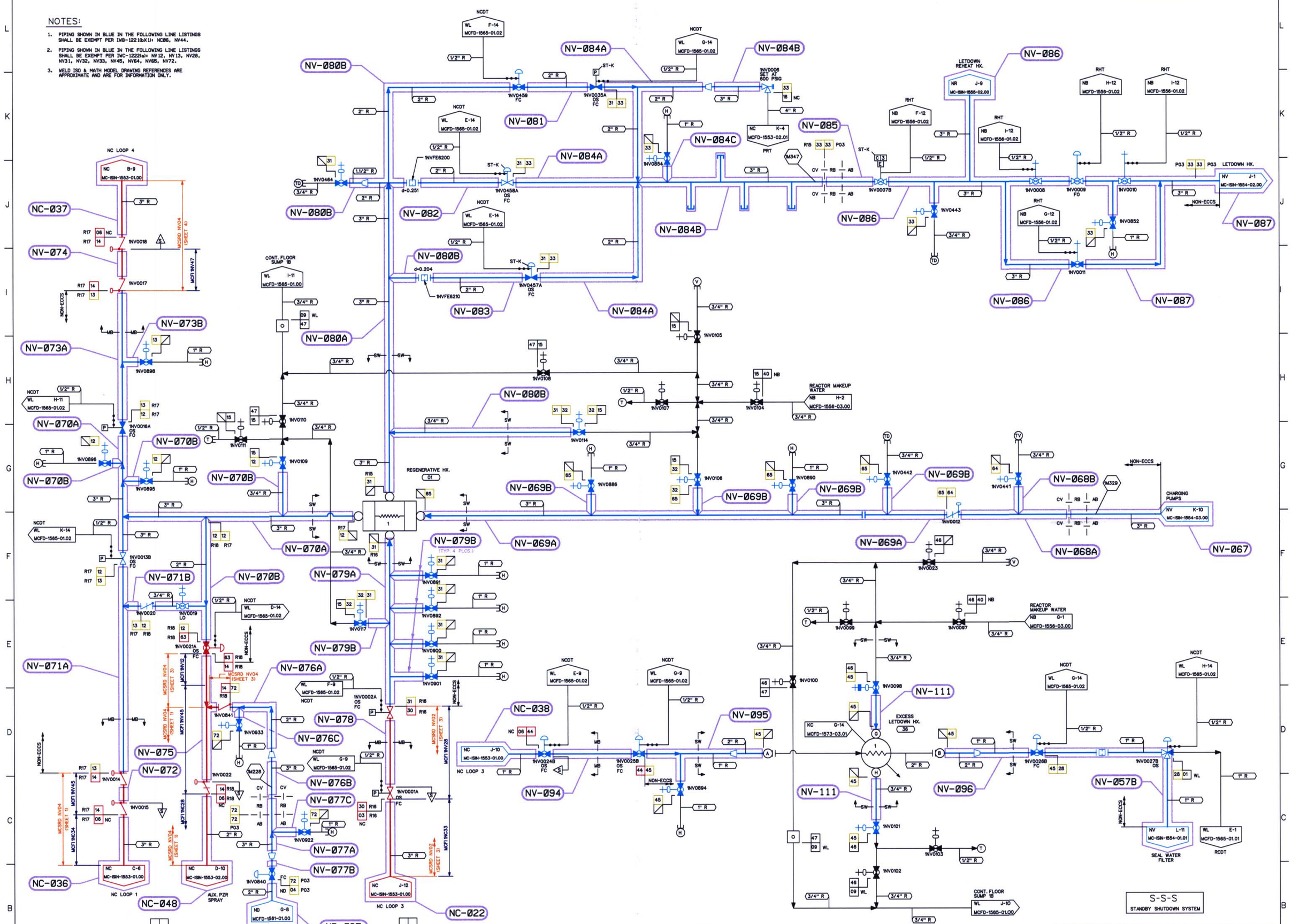
DWG. NO. MC-ISIN-1554-01.02 REV 0

NOTES:

1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWB-1221(b)(1): NC06, NV44.
2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1222(a): NV12, NV13, NV28, NV31, NV32, NV33, NV45, NV64, NV65, NV72.
3. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.



DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NB40	PS 1501.4	30 PSIG	100 F	E	SS
NC03	PS 2501.1	2485 PSIG	650 F	A	SS
NC06	PS 2501.1	2485 PSIG	650 F	A	SS
NC16	PS 151.4	100 PSIG	383 F	E	SS
ND04	PS 601.2	600 PSIG	350 F	B	SS
NV12	PS 2501.2	2535 PSIG	650 F	B	SS
NV13	PS 2501.2	2485 PSIG	650 F	B	SS
NV14	PS 2501.1	2485 PSIG	650 F	A	SS
NV15	PS 2501.4	2535 PSIG	650 F	E	SS
NV28	PS 151.2	150 PSIG	225 F	B	SS
NV30	PS 2501.1	2485 PSIG	650 F	A	SS
NV31	PS 2501.2	2485 PSIG	650 F	B	SS
NV32	PS 2501.2	2535 PSIG	650 F	B	SS

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NV33	PS 601.2	600 PSIG	383 F	B	SS
NV44	PS 2501.1	2485 PSIG	650 F	A	SS
NV45	PS 2501.2	2485 PSIG	650 F	B	SS
NV46	PS 2501.4	2485 PSIG	650 F	E	SS
NV47	PS 151.4	50 PSIG	200 F	E	SS
NV63	PS 2501.1	2535 PSIG	650 F	A	SS
NV64	PS 1501.2	2535 PSIG	250 F	B	SS
NV65	PS 1501.2	2535 PSIG	189 F	B	SS
NV72	PS 1501.2	2485 PSIG	350 F	B	SS
WL01	PS 151.4	100 PSIG	200 F	E	SS
WL09	PS 151.4	50 PSIG	200 F	E	SS

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.

REFERENCE FLOW DIAGRAM MCFD-1554-01.02 REV. 6

ERN:MC0099WF

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
ORIG	RELEASED FOR ISI USE ONLY	TDM	12-13-00	PTF	12-14-00	RKR	12-14-00

WAIVED — CIVIL, ELEC, MECH — INSPECTED

QA CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION NDE BOUNDARY OF CHEMICAL AND VOLUME CONTROL SYSTEM (NV)

DESIGNER	TIM MYERS	DATE 12-13-00	INSP.	WAIVED	DATE —
DRAWN	TIM MYERS	DATE 12-13-00	INSP.	WAIVED	DATE —
CHECKED	GARY D SCARBORO	DATE 12-13-00	APPR.	R. KEVIN RHYNE	DATE 12-14-00

SCALE — DWG. NO. MC-ISIN-1554-01.02 — REV 0

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