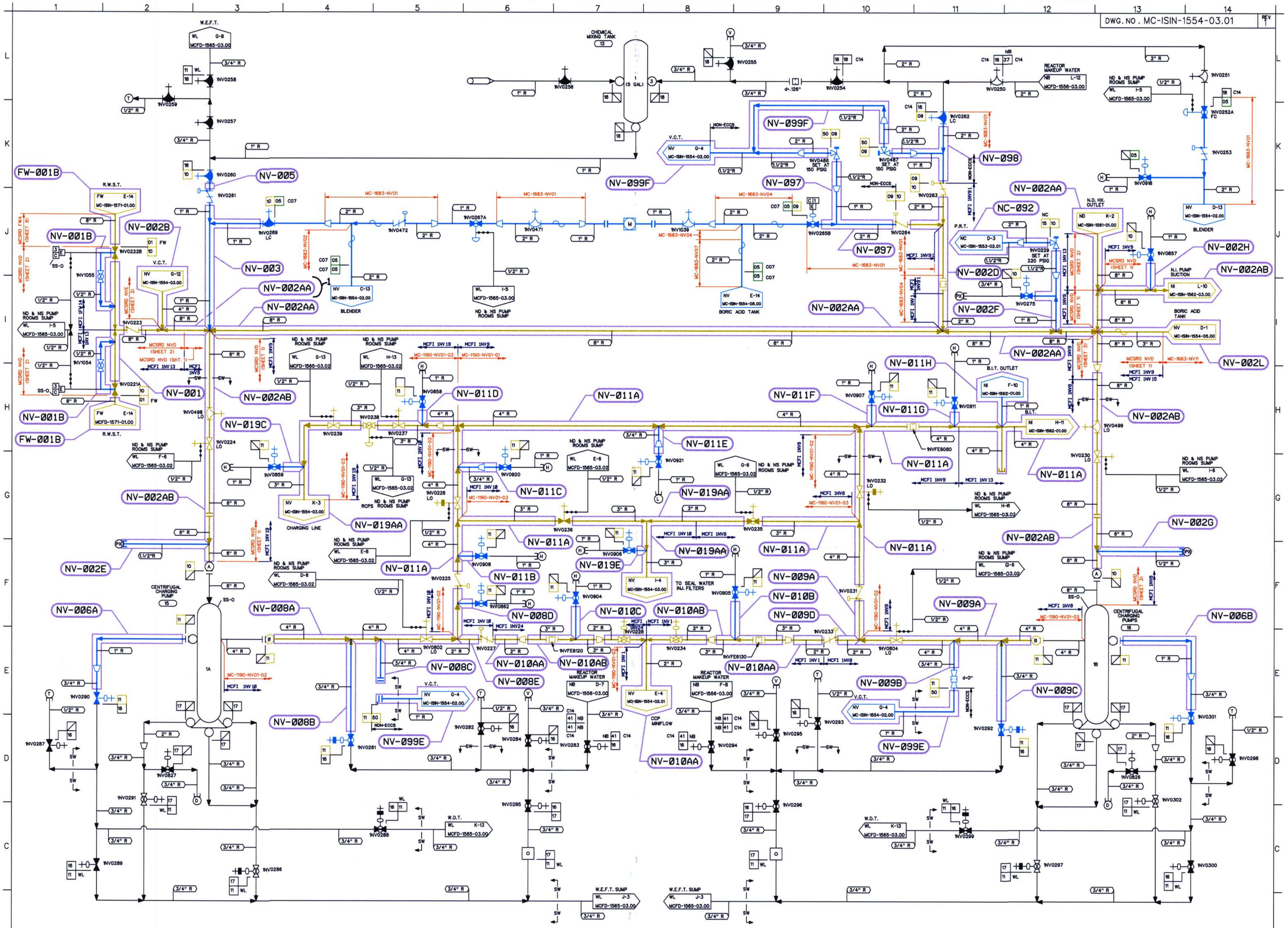
DWG. NO. MC-ISIN-1554-03.01 REV 1



NOTES:

1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1221(a)1: NV18, NV11.
2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWC-1222(a): NV89, NV50.
3. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWD-1220(a)1: NV05.
4. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
FW01	PS 151.2	50 PSIG	110 F	B	SS
NB37	PS 151.4	150 PSIG	100 F	E	SS
NB41	PS 151.4	30 PSIG	100 F	E	SS
NC15	PS 151.2	100 PSIG	350 F	B	SS
NV05	PS 151.3	150 PSIG	175 F	C	SS
NV09	PS 151.2	150 PSIG	200 F	B	SS
NV10	PS 151.2	220 PSIG	189 F	B	SS
NV11	PS 1501.2	2735 PSIG	189 F	B	SS
NV16	PS 1501.4	2735 PSIG	189 F	E	SS
NV17	PS 151.4	50 PSIG	200 F	E	SS
NV18	PS 151.4	150 PSIG	100 F	E	SS
NV50	PS 151.2	75 PSIG	200 F	B	SS
WL11	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.

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CIVIL	ELEC.	MECH.
1	ADDED SEGMENT DESIGNATION NV-002AA	TDM	5-2-01	GDS	5-2-01	RKR	5-2-01	WAIVED		
ORIG	RELEASED FOR ISI USE ONLY	TDM	12-13-00	PTF	12-14-00	RKR	12-14-00	WAIVED		

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-1554-03.01 REV

REFERENCE FLOW DIAGRAM
MCFD-1554-03.01 REV. 7
ERN:MC0099WJ

D-12