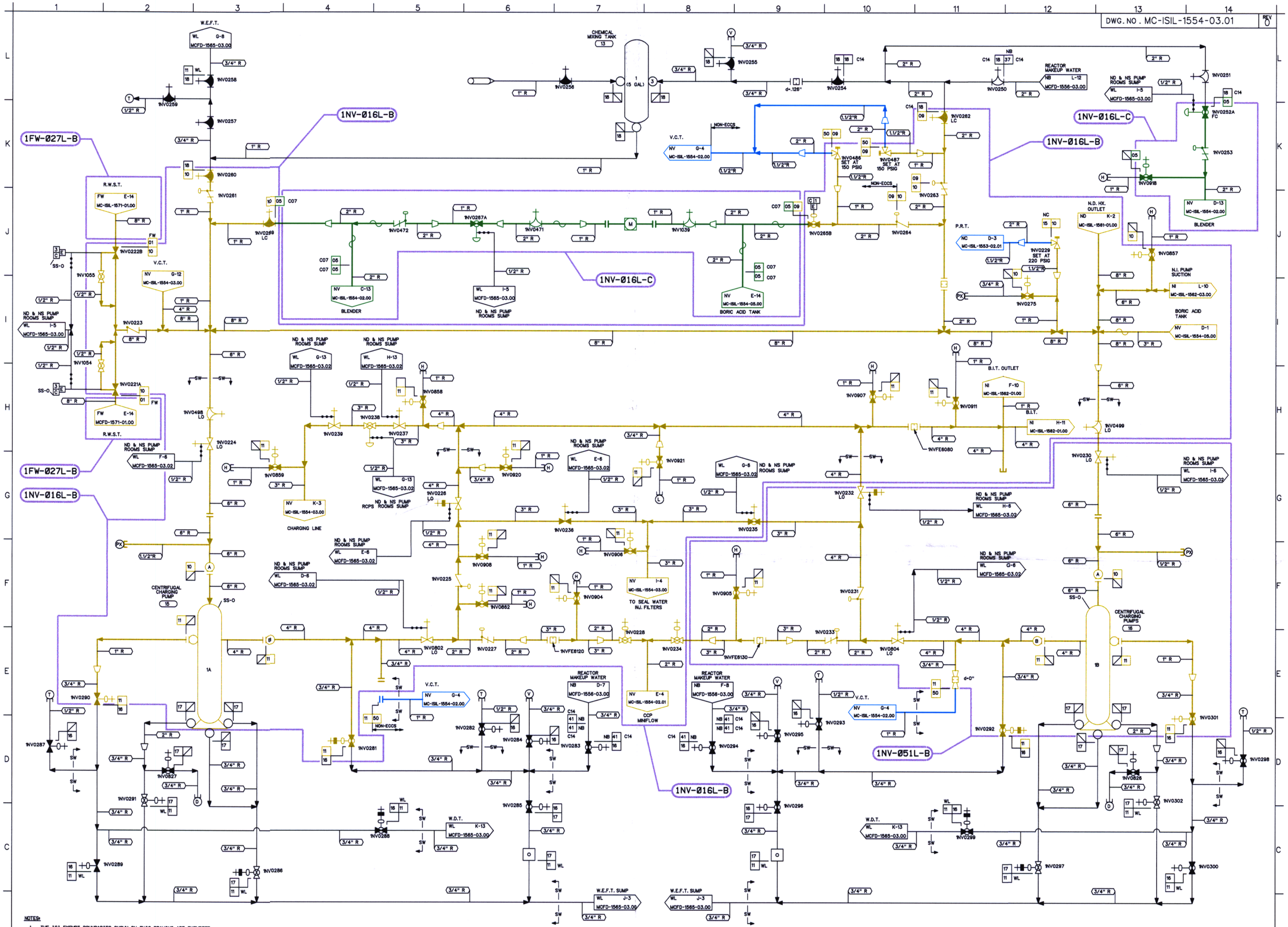

NOTES:

1. THE ISI EXEMPT BOUNDARIES SHOWN ON THIS DRAWING ARE EXEMPTED BECAUSE THEY SERVE NO SAFETY FUNCTION AS DETERMINED BY SITE ENGINEERING.

COMPONENT	INSPECTION CRITERIA: ZONE NUMBER	TYPE OF TEST	PLAN ADDENDUM NO	RI SEGMENT NO
CLASS B SYSTEM	1NC-016L-B	LEAKAGE	N/A	NV-002AB, NV002D, NV-011A, NV019AA, NV-019C, NV019E,
CLASS B SYSTEM	1NC-027L-B	LEAKAGE	N/A	N/A
CLASS B SYSTEM	1NC-051L-B	LEAKAGE	N/A	NV-011A
CLASS C SYSTEM	1NC-016L-C	LEAKAGE	N/A	N/A

REFERENCE FLOW DIAGRAM
MCFD-1554-03.01 REV. 7
ERN:MC009AVI

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
- ZONE BOUNDARY

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
ORIG	RELEASED FOR ISI USE ONLY	TDM	5-8-01	JMB	5-8-01	RKR	5-9-01

WAIVED — CIVIL, ELEC., MECH — INSPECTED

QA CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI

INSERVICE INSPECTION PRESSURE TEST BOUNDARY OF CHEMICAL AND VOLUME CONTROL SYSTEM (NV)

DESIGNER TIM MYERS DATE 5-8-01 INSP. WAIVED DATE
DRAWN TIM MYERS DATE 5-8-01 INSP. WAIVED DATE
CHECKED JIM BOUGHMAN DATE 5-8-01 APPR. R. KEVIN RHYNE DATE 5-9-01
SCALE DWG. NO. MC-ISIL-1554-03.01 REV. 0

D-112