DWG. NO . MC-ISIL-1554-01.01 REV 0

NOTES:

1. THE ISI EXEMPT BOUNDARIES SHOWN ON THIS DRAWING ARE EXEMPTED BECAUSE THEY SERVE NO SAFETY FUNCTION AS DETERMINED BY SITE ENGINEERING. SOME CLASS B EXEMPT BOUNDARIES MUST BE PRESSURE TESTED TO SATISFY RI SEGMENT NV-0388, NV-0398, NV0328 & NV-0408 REQUIREMENTS.

NC PUMPS 1A & 1B — NV K-10 — MC-ISIL-1554-01.00

NC PUMPS 1A & 1B — NV K-12 — MC-ISIL-1554-01.00

1NV0934 · 1NV0887 · 1NV0903 · 1NV1022 · 1NV0092A FC · NCDT WL K-14 MCFD-1565-01.02 · EXCESS LETDOWN HX. NV C-13 MC-ISIL-1554-01.02 · 1NV0093 SET AT 150 PSIG · PZR RELIEF TK. NC K-1 MCFD-1553-02.01 · 1NV0439 · 1NV0831 · 1NV0094AC · 1NV0096 · NCDT WL J-14 MCFD-1565-01.02 · 1NV0889 · 1NV1023 · 1NV0070 · 1NVFE6240 · 1NV0066A OS FO · NCDT WL H-9 MCFD-1565-01.02 · 1NV0086 · 1NV0082B FO OS · NCDT WL G-11 MCFD-1565-01.02 · 1NV0095B · ND & NS PUMP ROOMS SUMP WL I-5 MCFD-1565-03.00 · 1NV0440 · 1NV0081 · 1NV0065 · REACTOR COOLANT PUMP XX · REACTOR MAKEUP WATER PUMPS NC E-9 MCFD-1553-02.01 · REACTOR MAKEUP WATER PUMPS NC E-11 MCFD-1553-02.01 · 1NVFE6250 · 1NV0085 · 1NV0080 · 1NV0079 · 1NV0899 · 1NV0078 · 1NV0077 · 1NV0446 · 1NV0445 · 1NV0006 · 1NV0438 SEAL WATER INJECTION FILTER NV B-7 MC-ISIL-1554-03.00 · 1NVFE5300 · 1NV0076 · 1NV0088 · 1NV0089 · 1NV0087B FC OS · 1NV0015 · 1NV0463 FC OS · 1NV0091 · RCDT WL G-1 MCFD-1565-01.01 · RCDT WL F-1 MCFD-1565-01.01 · RCDT WL H-1 MCFD-1565-01.01 · RCDT WL E-4 MCFD-1565-01.01 · 1NV0071A FC OS · 1NV0072 · 1NV0073 · 1NV0069 · 1NV0064 · 1NV0063 · 1NV0812 · 1NV0813 · 1NV0062 · 1NV0437 · 1NV0005 · 1NV0061 · 1NV0436 · 1NV0060 · 1NVFE5310 · 1NV0462 FC OS · 1NV0075 · 1NV1014 · 1NV0085 · SEAL 1 · SEAL 2 · SEAL 3 · SEAL WATER FILTER · STANDBY MAKEUP PUMP NV G-14 MC-ISIL-1554-01.03 · STANDBY MAKEUP PUMP NV E-14 MC-ISIL-1554-01.03 · NC L-11 MC-ISIL-1553-01.00 · NC B-11 MC-ISIL-1553-01.00 · NV B-11 MC-ISIL-1554-01.00 REACTOR COOLANT PUMPS 1A AND 1B · RCP SEAL STANDPIPE · 1NV-063L-B · 1NC-070L-A · 1NV-017L-B · 1NV-016L-B · M256 · M344 · M343 · 1C · 1D

S-S-S STANDBY SHUTDOWN SYSTEM

INSPECTION CRITERIA

COMPONENT	ZONE NUMBER	TYPE OF TEST	PLAN ADDENDUM NO	RI SEGMENT NO.
CLASS A SYSTEM	1NC-070L-A	LEAKAGE	N/A	NV-0318A, NV-0318B, NV-0324A, NV-0328, NV-0335, NV-0336, NV-0339A, NV-0339B, NV-0348A, NV-0348B,
CLASS B SYSTEM	1NV-016L-B	LEAKAGE	N/A	NV-0208D, NV-0208B, NV-0208CA, NV0208D NV0208EA
CLASS B SYSTEM	1NV-017L-B	LEAKAGE	N/A	NV-0326, NV-0327
CLASS B SYSTEM	1NV-063L-B	LEAKAGE	N/A	N/A

REFERENCE FLOW DIAGRAM MCFD-1554-01.01 REV. 5

ERN:MC009AVC

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NC16	PS 151.4	100 PSIG	383 F	E	SS
NC24	PS 151.4	150 PSIG	200 F	E	SS
NV11	PS 1501.2	2735 PSIG	189 F	B	SS
NV19	PS 1501.1	2485 PSIG	650 F	A	SS
NV20	PS 1501.1	2485 PSIG	650 F	A	SS
NV21	PS 1501.2	2485 PSIG	650 F	B	SS
NV22	PS 151.4	150 PSIG	200 F	E	SS
NV23	PS 151.4	150 PSIG	200 F	E	SS
NV25	PS 2501.2	2485 PSIG	650 F	B	SS
NV27	PS 2501.2	2485 PSIG	650 F	B	SS

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NV28	PS 151.2	150 PSIG	225 F	B	SS
NV56	PS 2501.2	2485 PSIG	650 F	B	SS
NV60	PS 1501.2	2485 PSIG	189 F	B	SS
NV61	PS 1501.2	2735 PSIG	250 F	B	SS
NV66	PS 151.2	150 PSIG	250 F	B	SS
WL01	PS 151.4	100 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

W A I V E D — 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-1554-01.01 REV 0

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