DWG. NO . MC-ISIL-1554-01.02 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.

	INSPECTION CRITERIA			
COMPONENT	ZONE NUMBER	TYPE OF TEST	PLAN ADDENDUM NO	RI SEGMENT NO
CLASS A SYSTEM	1NC-070L-A	LEAKAGE	N/A	N/A
CLASS B SYSTEM	1NV-016L-B	LEAKAGE	N/A	N/A
CLASS B SYSTEM	1NV-017L-B	LEAKAGE	N/A	N/A
CLASS B SYSTEM	1NV-018L-B	LEAKAGE	N/A	NV-888A, NV-888B, NV-884A, NV-884B, NV-884C
CLASS B SYSTEM	1NV-020L-B	LEAKAGE	N/A	N/A
CLASS B SYSTEM	1ND-019L-B	LEAKAGE	N/A	N/A

1NV-018L-B
1NC-070L-A
1NV-017L-B
1NV-016L-B
1NV-020L-B
1ND-019L-B

NC LOOP 4 — NC B-9 MC-ISIL-1553-01.00
NC LOOP 1 — NC C-6 MC-ISIL-1553-01.00
NC LOOP 3 — NC J-12 MC-ISIL-1553-01.00
AUX. PZR SPRAY — NC D-10 MC-ISIL-1553-02.00
CONT. FLOOR SUMP 1B — WL I-11 MCFD-1565-01.00
REGENERATIVE HX. 01
LETDOWN REHEAT HX. — NR J-9 MC-ISIL-1555-02.00
LETDOWN HX. — NV J-1 MC-ISIL-1554-02.00
NON-ECCS
REACTOR MAKEUP WATER — NB H-2 MCFD-1556-03.00
REACTOR MAKEUP WATER — NB G-1 MCFD-1556-03.00
CHARGING PUMPS — NV K-10 MC-ISIL-1554-03.00
EXCESS LETDOWN HX. 36 — KC G-14 MCFD-1573-03.01
SEAL WATER FILTER — NV L-11 MC-ISIL-1554-01.01
RCDT — WL E-1 MCFD-1565-01.01
CONT. FLOOR SUMP 1B — WL J-10 MCFD-1565-01.00
ND PUMPS DISCH. — ND G-8 MC-ISIL-1561-01.00
NC J-10 MC-ISIL-1553-01.00 — NC LOOP 3

S-S-S
STANDBY SHUTDOWN SYSTEM

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
WL43	TS 2701.1	100 PSIG	200 F	E	ST

LEGEND
- ISI CLASS 1
- ISI CLASS 2
- ISI CLASS 3
- ISI EXEMPT
- ZONE BOUNDARY

REFERENCE FLOW DIAGRAM MCFD-1554-01.02 REV. 7
ERN: MC009AVD

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
ORIG	RELEASED FOR ISI USE ONLY	TDM	5-8-01	JMB	5-7-01	RKR	5-9-01	W A I V E D		

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	5-7-01	APPR.	R. KEVIN RHYNE DATE 5-9-01

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

D-107