DWG. NO . MC-ISIL-1592-01.01 REV 0

1CA-054L-C
1CA-033L-C
1CA-034L-C
1CA-055L-C
1CA-056L-C
1CA-038L-C
1CA-030L-C

AUX. FDW. PUMP SUCTION CA B-8 MCFD-1592-01.01

AUXILIARY FEEDWATER MCFD-1592-02.00 CA H-2 MCFD-1592-02.00

1A

1B

NO.1

AUX. FDW. PUMP (MOTOR DRIVEN) 01

AUXILIARY FDW. PUMP (MOTOR DRIVEN) 02

AUX. FDW. PUMP (TURBINE DRIVEN) 03

RFWPT BEARING OIL COOLER

RFWPT LUBE OIL

STM. GEN. 1A AND 1B — CA C-4 MC-ISIL-1592-01.00

STM. GEN. 1C AND 1D — CA C-10 MC-ISIL-1592-01.00

STM. GEN. 1A 1B, 1C, AND 1D — CA K-7 MC-ISIL-1592-01.00

STM.GEN.1A 1B,1C,1D — CA L-9 MC-ISIL-1592-01.00

GROUNDWATER DRAINAGE SUMP A — WZ E-1 MCFD-1581-01.00

GROUNDWATER DRAINAGE SUMP A — WZ H-3 MCFD-1581-01.00

GROUNDWATER DRAINAGE SUMP A — WZ E-2 MCFD-1581-01.00

NUCLEAR SERVICE WATER HEADER 1A — RN I-3 MC-ISIL-1574-01.00

NUCLEAR SERVICE WATER HEADER 1B — RN K-5 MC-ISIL-1574-03.00

NUCLEAR SERVICE WATER HEADER 1A — RN K-5 MC-ISIL-1574-02.00

UNIT 1 CAST — CA B-9 MCFD-1592-02.00

TEST LOOP — CA L-10 MCFD-1592-01.01

CA C-13 MC-ISIL-1592-01.01

CA G-14 MC-ISIL-1592-01.01

CA D1 MC-ISIL-1592-01.01

CA D-3 MC-ISIL-1592-01.01

1CA0167 SET @ 135 PSIG

1CA0168 SET @ 135 PSIG

1CA0128 SET @ 135 PSIG

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 C SYSTEM	1CA-038L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-033L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-034L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-030L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-054L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-055L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1CA-056L-C	LEAKAGE	N/A	N/A

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
CA01	PS 150.4	135 PSIG	160 F	G	CS
CA02	PS 150.4	135 PSIG	160 F	G	CS
CA03	PS 150.4	135 PSIG	160 F	G	CS
CA04	PS 150.4	135 PSIG	160 F	F	CS
CA05	PS 150.3	135 PSIG	160 F	C	CS
CA06	PS 900.3	1665 PSIG	160 F	C	CS
CA07	PS 150.4	50 PSIG	160 F	G	CS
CA10	PS 900.3	1730 PSIG	160 F	C	CS
CA11	PS 900.4	50 PSIG	160 F	G	CS
CA15	PS 150.4	100 PSIG	160 F	F	CS
CA16	PS 150.4	100 PSIG	160 F	G	CS
CA18	TS 2701.1	100 PSIG	120 F	H	ST
CA24	TS 2701.1	135 PSIG	160 F	C	ST
CM15	PS 150.4	135 PSIG	180 F	G	CS
RN04	PS 150.3	135 PSIG	150 F	C	CS/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	5-7-01	RKR	5-9-01

WAIVED INSPECTED — CIVIL ELEC. MECH

QA CONDITION 1 AND 4

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION PRESSURE TEST BOUNDARY OF AUXILIARY FEEDWATER SYSTEM
(CA)

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-1592-01.01 REV 0

REFERENCE FLOW DIAGRAM MCFD-1592-01.01 REV. 11

ERN: MC009AWM

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