DWG. NO . MC-ISIL-1558-04.00 REV 0

ROTARY VALVE ASSEMBLY NF K-12 MCFD-1558-12.00

ICE COND. BLOWER NF C-4 MCFD-1558-12.00

1NF-082L-B

1NF-082L-B

1NF-082L-B

1NF-082L-B

1A 340 GAL

31 ICE CONDENSER GLYCOL EXPANSION TANK

OUTER AHU RETURN NF L-1 MCFD-1558-08.00

INNER AHU RETURN NF L-1 MCFD-1558-05.00

ICE COND. FLOOR COOLING PUMP NF K-1 MCFD-1558-11.00

ICE COND. FLOOR COOLING RETURN NF H-1 MCFD-1558-11.00

1NF-082L-B

ICE COND. GLYCOL PUMP SUCTION NF J-12 MCFD-1558-01.01

ICE CONDENSER GLYCOL BYPASS FILTER 83

GLYCOL CHILLER PACKAGES NF B-4 MCFD-1558-01.03

1NF-082L-B

CONT. FLOOR AND EQUIP. SUMP 1B

CONT. FLOOR AND EQUIP. SUMP 1A

ICE COND. AHU DRAINS NF G-1 MCFD-1558-05.00

ICE COND. AHU DRAINS NF B-1 MCFD-1558-07.00

CONT. FLOOR AND EQUIP. SUMP 1A WL I-11 MCFD-1565-01.00

IC FLOOR COOLING PUMP 1A DRAIN NF H-3 MCFD-1558-11.00

IC FLOOR COOLING PUMP 1B DRAIN NF D-2 MCFD-1558-11.00

ICE MELTING SINK AT UPPER ICE COND. DOOR

NF L-1 MCFD-1558-08.00

NF L-1 MCFD-1558-05.00

SECTION OF ICE BED

ICE BASKET (TYP.)

ICE CONDENSER 1A ICE BASKETS 32

INSPECTION CRITERIA

COMPONENT	ZONE NUMBER	TYPE OF TEST	PLAN ADDENDUM NO	RI SEGMENT NO
CLASS B SYSTEM	1NF-082L-B	LEAKAGE	N/A	N/A

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
NF05	PS 150.4	180 PSIG	100 F	G	CS
NF09	PS 150.4	180 PSIG	100 F	G	CS
NF22	PS 150.2	150 PSIG	180 F	B	CS
NF23	PS 150.4	150 PSIG	100 F	G	CS
NF24	PS 150.2	150 PSIG	180 F	B	CS
NF25	PS 150.4	80 PSIG	100 F	G	CS
NF26	PS 150.4	80 PSIG	100 F	G	CS
NF27	PS 151.4	20 PSIG	AMB	E	SS
NF28	PS 151.4	20 PSIG	AMB	G	SS
NF30	PS 150.4	0 PSIG	100 F	G	CS
NF32	PS 150.4	10 PSIG	100 F	G	CS
NF33	PS 151.2	15 PSIG	250 F	B	SS
NF34	PS 151.4	10 PSIG	140 F	F	SS
NF35	PS 151.2	15 PSIG	180 F	B	SS
NF36	TS 2701.1	80 PSIG	100 F	G	ST
NF38	PS 150.4	20 PSIG	AMB	G	CS

NOTES:

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

REFERENCE FLOW DIAGRAM MCFD-1558-04.00 REV. 4

ERN: MC009AVM

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 INSPECTED: CIVIL, ELEC., MECH

QA CONDITION 1,2, AND 4

DUKE POWER COMPANY

MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI

INSERVICE INSPECTION PRESSURE TEST BOUNDARY OF ICE CONDENSER REFRIGERATION SYSTEM (NF)

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-1558-04.00 REV 0

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