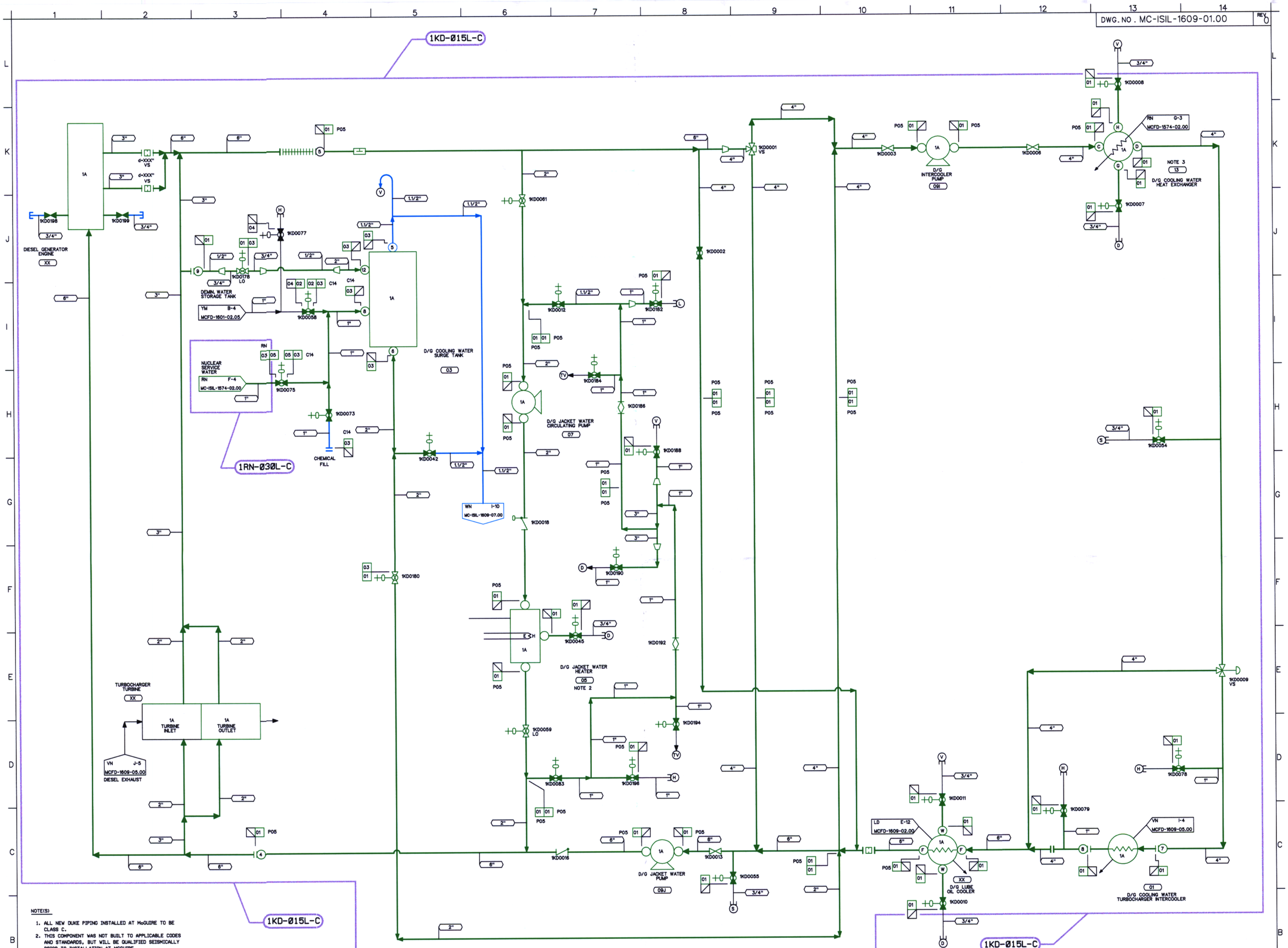

NOTE(S)

1. ALL NEW DUKE PIPING INSTALLED AT McGUIRE TO BE CLASS C.
2. THIS COMPONENT WAS NOT BUILT TO APPLICABLE CODES AND STANDARDS, BUT WILL BE QUALIFIED SEISMICALLY PRIOR TO INSTALLATION AT MCGUIRE.
3. THIS COMPONENT WAS NOT BUILT TO ASME III. HOWEVER, IT WAS BUILT TO THE APPLICABLE CODE AT THE TIME OF PURCHASE AS PER MCGUIRE PSAR TABLE 1A.4-2.
4. 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	1KD-015L-C	LEAKAGE	N/A	N/A
CLASS C SYSTEM	1RN-030L-C	LEAKAGE	N/A	N/A

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
KD01	PS 150.3	33 PSIG	180 F	C	CS
KD02	PS 150.3	150 PSIG	120 F	C	CS
KD03	PS 150.3	13 PSIG	180 F	C	CS
KD04	PS 150.4	150 PSIG	120 F	G	CS
KD05	PS 150.3	135 PSIG	180 F	C	CS
RN03	PS 150.3	135 PSIG	95 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.

REFERENCE FLOW DIAGRAM
MCFD-1609-01.00 REV. 6
ERN:MC009AX0

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	IV E	D

INSPECTED

QA CONDITION 1

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

ASME SECTION XI
INSERVICE INSPECTION PRESSURE TEST BOUNDARY OF DIESEL GENERATOR ENGINE
COOLING WATER SYSTEM (KD)

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-1609-01.00 REV 0

D-165