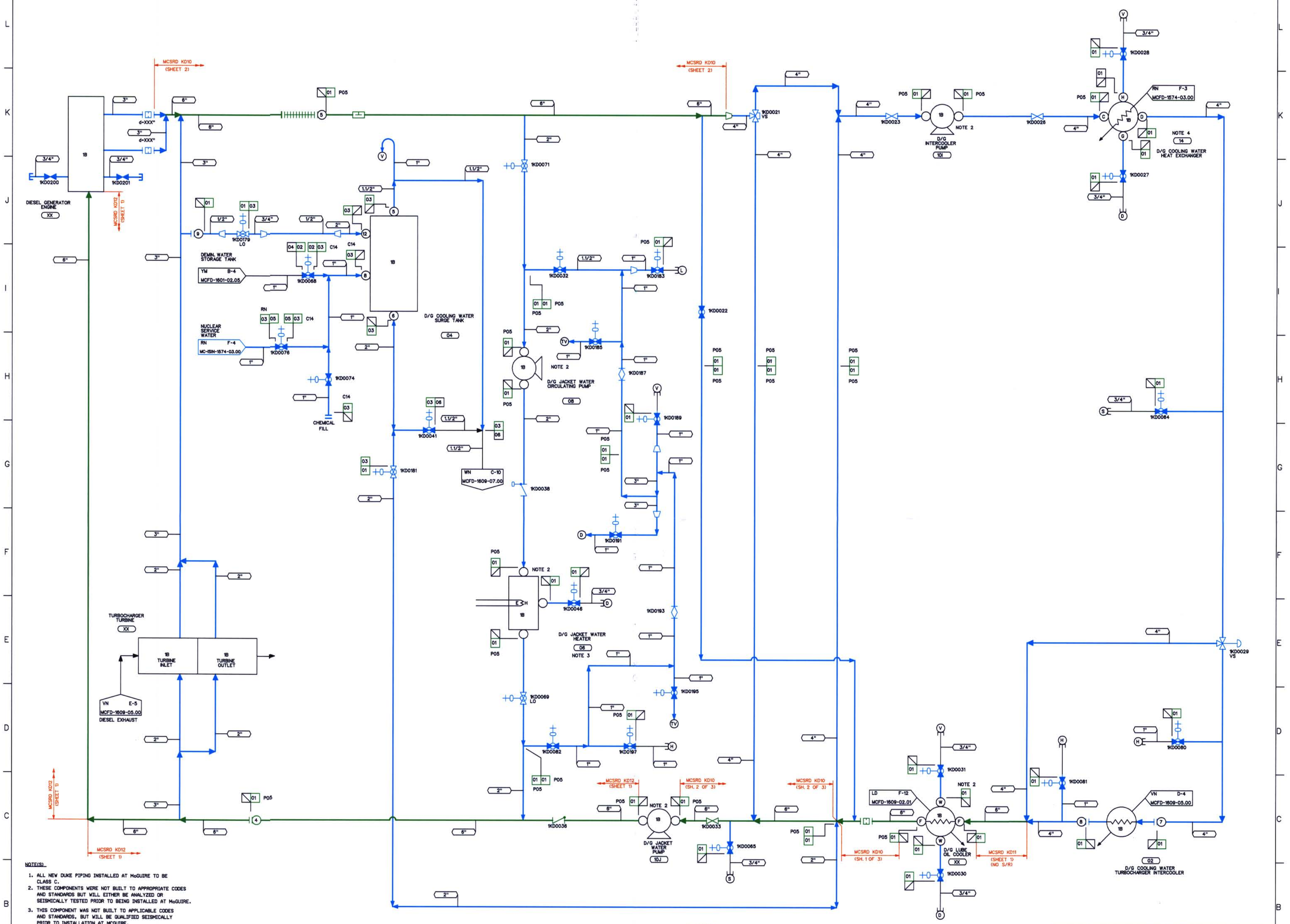
DWG. NO. MC-ISIN-1609-01.01 REV 0



NOTE(S)

1. ALL NEW DUKE PIPING INSTALLED AT McGUIRE TO BE CLASS C.
2. THESE COMPONENTS WERE NOT BUILT TO APPROPRIATE CODES AND STANDARDS BUT WILL EITHER BE ANALYZED OR SEISMICALLY TESTED PRIOR TO BEING INSTALLED AT McGUIRE.
3. THIS COMPONENT WAS NOT BUILT TO APPLICABLE CODES AND STANDARDS, BUT WILL BE QUALIFIED SEISMICALLY PRIOR TO INSTALLATION AT MCGUIRE.
4. 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.
5. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWD-1220(a)(1): KD01, KD02, KD03, KD05.
6. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

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
KD06	PS 150.4	13 PSIG	180 F	G	CS
RN03	PS 150.3	135 PSIG	95 F	C	CS/SS

LEGEND

- ISI CLASS 1
- ISI CLASS 2
- ISI CLASS 3
- ISI EXEMPT
- NON-ISI

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	11-7-00	GDS	11-13-00	RKR	12-14-00

W A I V E D — CIVIL / ELEC. / MECH — INSPECTED

QA CONDITION 1

DUKE POWER COMPANY
McGUIRE NUCLEAR STATION UNIT 1

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

DESIGNER	TIM MYERS	DATE 11-7-00	INSP.	WAIVED	DATE —
DRAWN	TIM MYERS	DATE 11-7-00	INSP.	WAIVED	DATE —
CHECKED	GARY D SCARBORO	DATE 11-7-00	APPR.	R. KEVIN RHYNE	DATE 12-14-00
SCALE	DWG. NO. MC-ISIN-1609-01.01				REV 0

REFERENCE FLOW DIAGRAM
MCFD-1609-01.01 REV. 7
ERN: MC0099ZD

D-90