



- 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. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER TWO-1228a(1) KD01, KD02, KD03, KD05.
 5. 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
RND3	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.

REFERENCE FLOW DIAGRAM
MCFD-1609-01.00 REV. 6
ERN: MC0099ZC

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. SCARBOROUGH	DATE	11-7-00	APPR	5. KEVIN RHYNE	DATE	12-14-00		
SCALE	DWG. NO. MC-ISIN-1609-01.00								