



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

LEGEND

- ISI CLASS 1
- ISI CLASS 2
- ISI CLASS 3
- ISI EXEMPT
- ZONE BOUNDARY

REFERENCE FLOW DIAGRAM
MCFD-1609-01.01 REV. 7
ERN:MC009AX1

INSPECTION CRITERIA					DESIGN PARAMETERS				
COMPONENT	ZONE NUMBER	TYPE OF TEST	PLAN ADDENDUM NO.	RI SEGMENT NO.	LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS MATERIAL
CLASS C SYSTEM	1KD-014L-C	LEAKAGE	N/A	N/A	KD001	PS 150.3	33 PSIG	180 F	C CS
CLASS C SYSTEM	1RN-031L-C	LEAKAGE	N/A	N/A	KD002	PS 150.3	150 PSIG	120 F	C CS
					KD003	PS 150.3	13 PSIG	180 F	C CS
					KD004	PS 150.4	150 PSIG	120 F	G CS
					KD005	PS 150.3	135 PSIG	180 F	C CS
					KD006	PS 150.4	13 PSIG	180 F	G CS
					RN003	PS 150.3	135 PSIG	95 F	C CS/SS

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.

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
DRAWN	TIM MYERS	DATE	5-8-01
CHECKED	W. ROSEMAN	DATE	5-7-01
APPROVED	S. KEVIN BRYNE	DATE	5-8-01
SCALE	DWG. NO. MC-ISIL-1609-01.01		
REV	0		

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	W	A	I	V	E	D	INSPECTED
1	RELEASED FOR ISI USE ONLY	TDM	5-8-01	JMB	5-7-01	RKR	5-8-01							