



- NOTES:
1. ALL NEW VALVES, PIPING AND INSTRUMENTATION (EXCEPT WHAT IS ADDED DOWNSTREAM OF THE TEST LOOP THROTTLE VALVE) ADDED PER NSM MD-12315/89 WILL CONFORM TO CLASS C REQUIREMENTS DUE TO THE UPCOMING PIPING UPGRADE FROM CLASS F TO CLASS C.
  2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS SHALL BE EXEMPT PER IWO-1228(a)(1) WNB5, WNB6.
  3. WELD ISO & MATH MODEL DRAWING REFERENCES ARE APPROXIMATE AND ARE FOR INFORMATION ONLY.

DESIGN PARAMETERS						
LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL	
KD03	PS 150.3	13 PSIG	180 F	C	CS	
KD06	PS 150.4	13 PSIG	180 F	G	CS	
WC05	PS 150.4	115 PSIG	150 F	G	CS	
WN01	PS 150.4	7 PSIG	150 F	G	CS	
WN02	PS 150.4	115 PSIG	150 F	F	CS	
WN03	PS 150.4	5 PSIG	125 F	F	CS	
WN04	PS 150.4	5 PSIG	125 F	G	CS	
WN05	PS 150.3	115 PSIG	150 F	C	CS	
WN06	PS 150.3	30 PSIG	150 F	C	CS	

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-1583-07.00 REV. 4  
ERN:MC0099ZK

QA CONDITION 1 AND 4									
DUKE POWER COMPANY									
MCGUIRE NUCLEAR STATION UNIT 1									
ASME SECTION XI									
INSERVICE INSPECTION NDE BOUNDARY OF									
DIESEL GENERATOR ROOM									
SUMP PUMP SYSTEM (WN)									
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	R. KEVIN RHYNE	DATE	12-14-00		
SCALE	DWG. NO. MC-ISIN-1609-07.00								

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	W	A	I	V	E	D