



**NUCLEAR SAFETY RELATED EXCLUSIONS**

**1. Fittings, Tubings, Piping, & Valves (Not part of a Safety Related Piping System, Etc.)**

a) None

**2. Instruments (Do not serve a Safety Function)**

- a) 2RNPT5020, 2RNPS5020
- b) 2RNPT5030, 2RNPS5030

**FUNCTIONAL DESCRIPTION:**  
 2RNPT5020, 2RNPT5030, 2RNPS5020 and 2RNPS5030 monitor the discharge pressure from NSW pump A and B, respectively. 2RNPT5020 supplies an input to the computer and 2RNPS5020 and 2RNPT5030 supplies an input to the computer and 2RNPS5030. 2RNPS5020 and 2RNPS5030 are used for response time test and alarm on increasing pressure.

- NOTES:**
1. SLOPE IMPULSE LINE DOWNWARD FROM PROCESS TAP TO INSTRUMENT A MINIMUM OF 1/4" PER FOOT.
  2. FITTINGS, TUBINGS, AND VALVES DESIGNATED ON THIS DETAIL BY CLASSIFICATION 5s OF THE FITTINGS CLASSIFICATION LIST ARE SAFETY CLASS. SUBSTITUTES FROM OTHER CLASSIFICATIONS ARE NOT PERMITTED.

**AS-BUILT**  
**DATE 7-8-81**

**QA CONDITION 1**  
**NUCLEAR SAFETY RELATED**  
 (Except As Excluded Above)

DUKE POWER COMPANY				MCGURIE NUCLEAR STATION UNIT 2			
INSTRUMENT DETAILS							
NSW PUMP DISCHARGE PRESSURE							
DESIGNED BY				DATE			
CHECKED BY				DATE			
SCALE				DWG. NO. MC-2499-RN2			
REV 5							
5	Added "AS BUILT" Stamp	AS	7-8-81				
4	Rev. Transmitter Signal.	AS	7-8-81				
3	Deleted Note 3	AS	7-8-81				
2	Added Pressure Switches	AS	7-8-81				
1	Rev. for Construction	AS	7-8-81				
0	PRELIMS ONLY	AS	7-8-81				
NO.	REVISIONS	CHKD	APPR	DATE	QTY	RELT	ISSUED

**SI**  
**APERTURE**  
**CARD**

**FOR INFORMATION**  
**ONLY**

SATB  
 CL: 3 HYDRO

PDR RIDS

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