



AS - BUILT
DATE 7-9-81

- 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.

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) 2RNFE5040 & 2RNFT5040
 - b) 2RNFE5050 & 2RNFT5050
 - c) 2RNFT5041 & 2RNFT5051

QA CONDITION 1

NUCLEAR SAFETY RELATED

(Except As Excluded Above)

FUNCTIONAL DESCRIPTION: (FOR PUMP A, APPLIES TO B)
 2RNFT5040 MONITORS MSW PUMP DISCHARGE FLOW AND PROVIDES AN INPUT TO CONTROL BOARD INDICATOR 2RNFE5040 AND THE COMPUTER. 2RNFT5041 provides signal to control IIRN89 through Low Select Relay. Set-Up controller 2RNPR0891 to control for 2700 GPM which corr. to a 10.13# signal from 2RNFT5041.

Rev 4 as per DCA*MC-2-M034 AB

NO.	REVISIONS	CHKD	APPR	DATE	CIVIL	ELEC.	MECH.	INSPECTED
7	UPDATED TO REFLECT THE IMP OF NSMS MC-2-0636/00.01							
6	Rev Test Tee & Plug per VM 20,093							
5	Added Class Flag							
4	Added Instr. - Rev. Class Flag							
3	Added "AS BUILT" Stamp							
2	Deleted Note 3							
1	Rel. for constr. Preliminary							

DUKE POWER COMPANY MCGUIRE NUCLEAR STATION UNIT 2			
INSTRUMENT DETAILS NUCLEAR SERVICE WATER FLOW			
DESIGNED BY	DATE	BY	DATE
CHECKED BY	DATE	INSP. BY	DATE
DWG. NO. MC-2499-RN3		REV 7	

SI
 APERTURE
 CARD

FOR INFORMATION ONLY

SH74
 CL-3 HYDRO

PDR RIDS

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