



AS - BUILT
DATE 7-8-81

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

NUCLEAR SAFETY RELATED EXCLUSIONS

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

a) Classification 7

2. Instruments (Do not serve a Safety Function)

a) 2RNP65030, 2RNPS5000, and 2RNPS5001.
b) 2RNP65010, 2RNPS5010, and 2RNPS5011.

NOTES:

1. Waive slope requirements.
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.

FUNCTIONAL DESCRIPTION: (FOR A APPLIES TO B)

2RNP65000 monitors Strainer inlet pressure and 2RNPS5000 monitors Strainer d/p and provides local indication. 2RNPS5000 is also set up to alarm and to energize 2RNSV0210 and 2RNSV0220 on high d/p. Energizing 2RNSV0210 and 2RNSV0220 opens 2RN21 and 2RN22, respectively, to allow backwash to occur. 2RNPS5001 provides an alarm on low pressure. 2RNSV0211 and 2RNSV0221 are de-energized to close 2RN21 and 2RN22 respectively on an 5s signal and are manually energized to reset.

Rev. 3 As Per MSE-AB-045

NO.	REVISIONS	DRN	CHKD	APPR	DATE	CHG.	ESBL	WGR.	INSPECTED
6	REV. FUNCT. DESCR.								
5	REV. FUNCTIONAL DESCR.								
4	Added 'AS BUILT' Stamp								
3	Added SV's								
2	Rev. Re Noted								
1	Added Pressure Switches								
orig.	Rel. for Const.								

DUKE POWER COMPANY MCGUIRE NUCLEAR STATION UNIT 2			
INSTRUMENT DETAILS NSW PUMP STRAINER D/P & BACKWASH CONTROL			
DESIGNER	DATE	DATE	DATE
REVISED	DATE	DATE	DATE
SCALE	DWG. NO. MC-2499-RN1	REV	6

SI
APERTURE
CARD

FOR INFORMATION
ONLY

SHT 2
CL. 3 HYDRO

PDR RIDS

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