



NOTES:

1. Slope impulse line downward from process tap to instrument a minimum of $\frac{1}{4}$ " per foot.
2. Fittings, tubings, and valves designated on this detail by classification 4s of the Fittings Classification List are safety class. Substitutes from other classifications are not permitted.
3. All air supplies must be connected to the blackout instrument air header "A".

NUCLEAR SAFETY RELATED EXCLUSIONS

1. Fittings, Tubings, Piping, & Valves (Not part of a Safety Related Piping System, Etc.)
a)
2. Instruments (Do not serve a Safety Function)
a) 2NVPT5570 & 2NVEP1240

FUNCTIONAL DESCRIPTION:

2NVPT5570 monitors letdown pressure and supplies an input to the process control cabinets. From these cabinets a signal is sent to 2NVP5570, 2NVP5571, 2NVSS5570, 2NVEP1240 and the computer. 2NVSS5570 is a manual-automatic station that is used by the operator to take control manually. This control loop is used to control the upstream pressure to prevent flashing. 2NVEP1240 is an electro-pneumatic positioner used to position 2NV124. An alarm is initiated on high pressure.

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QA CONDITION

NUCLEAR SAFETY RELATED
(Except As Excluded Above)

DUKE POWER COMPANY MCGUIRE NUCLEAR STATION UNIT 2						
INSTRUMENT DETAILS LETDOWN PRESSURE CONTROL						
NO.	REVISIONS	DRN	CHKD	APPR	DATE	INSPECTED
5	REV. PER NSM MG-20466/0 IMP. DATE 7-9-88	JAL	RWA	BTT	7/9/88	N/R
4	Added Stamps	JAL	RWA	BTT	7/28/81	N/R
3	Changed Class. & Revised Note	CPT	CWB	12/78	12/78	N/R
2	Changed FR	CWB	RWA	4/22/77	4/22/77	N/R
1	Rel. for Construction	CWB	RWA	10/4/76	10/4/76	N/R
CRIG.	FR: 10-11-76	JAL	RWA	BTT	10/11/76	N/R
DESIGNER	CWB	DATE	10-11-76	INSP.	JAL	DATE
DRAWN	JAL	DATE	7-7-78	INSP.	JAL	DATE
CHECKED	RWA	DATE	7-7-78	APPR.	BTT	DATE
SCALE						REV 5
						DWG. NO. MC-2499-NV20

FOR INFORMATION ONLY

SI APERTURE CARD

CL-2 Hydro SHY

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PDR RIDS

