



NUCLEAR SAFETY RELATED EXCLUSIONS

1. FITTINGS, TUBING, PIPING & VALVES (NOT PART OF A SAFETY RELATED SYSTEM, ETC.)
 - a) NONE
2. INSTRUMENTS (DO NOT SERVE A SAFETY FUNCTION)
 - a) 2KCLT5630
 - b) 2KCLT5640
 - c) 2KCP65630

The following root valve installations are acceptable using 1/2" sch. 40 pipe between the tap and reservoir:

Instrument	Tap to valve	Valve to reservoir
2KCLT5630 (LP)	4 1/4"	9 1/8"
2KCLT5640 (LP)	3 3/8"	9 1/16"

AS - BUILT
DATE 9-15-81

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 6S OF THE FITTINGS CLASSIFICATION LIST ARE SAFETY CLASS SUBSTITUTES FROM OTHER CLASSIFICATIONS ARE NOT PERMITTED.
3. THIS TANK IS NORMALLY VENTED TO ATMOSPHERE, BUT WHEN A HIGH RADIATION LEVEL IS DETECTED IN THE COMPONENT COOLING SYSTEM, THE VENT VALVE IS CLOSED. WITH THE VALVE CLOSED, THE TANK CAN BECOME PRESSURIZED, THIS REQUIRING TWO LEVEL TAPS TO MONITOR THE LEVEL.

FUNCTIONAL DESCRIPTION:

2KCLT5630 & 2KCLT5640 MONITOR THEIR RESPECTIVE COMPARTMENT LEVEL IN THE COMPONENT COOLING SURGE TANK. EACH PROVIDES A SIGNAL TO AN INDICATOR (2KCP5630 - COMP. A & 2KCP5640 - COMP. B) AND TO THE COMPUTER.

Rev. 3 As Per NCI 11,132

QA CONDITION 1
NUCLEAR SAFETY RELATED

(EXCEPT AS EXCLUDED ABOVE)

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 2

INSTRUMENT DETAILS
COMPONENT COOLING SURGE
TANK LEVEL

NO.	REVISIONS	DRN	CHKD	APPR	DATE	CIVIL	ELEC.	MECH.	INSPECTED
7	PER NSM-MG-11457/00 IMP. DATE 4/7/87								
6	REV. INSTALLATION NOTE								
5	Add "As Built"								
4	Rev. As Noted								
3	Added Installation Chart								
2	Rev. Reservoir								
1	FOR CONVT.								

DESIGNED BY	DATE	INSPECTED	DATE
DRAWN & CHECKED	DATE	INSPECTED	DATE
CHECKED BY	DATE	APPROVED	DATE
SCALE	DWG. NO. MC-2499-KC21	REV	7

SI
APERTURE
CARD

FOR INFORMATION
ONLY

SHT 2
CL-3 HYDRO

PDR RIDS

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