

Docket # 50-206  
 Control # 8807140139  
 Date 7/8/88 of Document  
 REGULATORY DOCKET FILE

LEGEND:

RACK MOUNTED VISUAL ANNUNCIATOR

RACK MOUNTED SWITCH

C.R. - CONTROL ROOM  
 H.V. - HIGH VOLTAGE  
 I.R. - INTERMEDIATE RANGE  
 C.P.S. - COUNTS PER SECOND  
 C.L. - COINCIDENTER LOGIC  
 S.U. - START-UP

INSTRUMENT CHANNEL BISTABLE INDICATES THAT THE DEVICE OR INSTRUMENT CHANNEL HAS A BISTABLE LOGIC "1" OUTPUT WHEN:

- THE PARAMETER MEASURED IS GREATER THAN A PRESET VALUE
- THE PARAMETER MEASURED IS LESS THAN A PRESET VALUE
- THE PARAMETER MEASURED DEVIATES FROM A PRESET VALUE BY MORE THAN A PRESET AMOUNT
- SAME AS ABOVE EXCEPT WITH AN AUTOMATICALLY SET VARIABLE VALUE
- SAME AS ABOVE EXCEPT WITH REQUIRED HYSTERESIS BETWEEN TURN ON & TURN OFF

NOTES:

1. THIS FUNCTIONAL DIAGRAM IS ALSO APPLICABLE TO SOURCE RANGE N-32 (N-1202). TAG NUMBER TO BE 32 INSTEAD OF 31.
2. ALL RELAY DRIVERS TO HAVE PANEL LIGHT TO INDICATE TRIPPED CONDITION.
3. THE H.V. CUTOFF IS AVAILABLE FOR BLOCKING HIGH VOLTAGE WHEN ONE I.R. CHANNEL IS ABOVE  $10^{-4}$  POWER.
4. THE BYPASS SWITCH PERMITS BLOCKING OF THE HI S.U. RATE ROD STOP DURING TESTING.
5. TAG NUMBERS SHOWN IN PARENTHESIS ARE ASSIGNED BY THE EQUIPMENT MANUFACTURER AND ARE COMMON TO BOTH SOURCE RANGE CHANNELS.
6. NIS CHANNEL TEST ANNUNCIATOR IS ENERGIZED WHEN SWITCH ASSOCIATED WITH TEST CAL MODULE NM310 (NM100) IS IN OTHER THAN NORMAL POSITION.
7. FOR SOURCE RANGE N-32, METER TAG NUMBER TO BE NL1-1200-2.
8. FOR SOURCE RANGE N-31 ONLY.

SO. SIVP-330	REVISION
D. 727A14	5
SIVP-330	REVISED PER ECN
ECN-34178	B. SMOODY 3-10-88
	<i>Pls. check 3/12/88</i>
	<i>All items 3/13/88</i>
	<i>of W. Smith 3/13/88</i>
	<i>Revised v. 1.0</i>

TOLERANCE & MACHINE NOTES  
 (UNLESS OTHERWISE SPECIFIED)  
 DRAWING PRACTICES, GEOMETRIC SYMBOLS,  
 DIMENSIONING, TOLERANCING &  
 INTERPRETATION BASED ON ANSI Y14 SERIES  
 STANDARD & PS 59512B

DIMENSIONS IN INCHES BASED ON 68°F (20°C)  
 RADIUS OR CHAMFER ALL EDGES---.005-.030  
 FILET RADI---.031.01  
 ANGULARITY CHAMFERS---12°  
 MAXIMUM SURFACE ROUGHNESS-250μ IN. LAAA

DWG. REF. THIRD ANGLE PROJECTION

NEXT ASSY

BY	B. SMOODY	2-24
CHKD		-87
DESIGN		
DATE		
APP		
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INTERACTIVE GRAPHICS  
 D.ELC.SMOO.2D33790.XXX.05.XXX.031088

Westinghouse Electric Corporation  
 WATER REACTOR DIVISIONS - MONROEVILLE, PA. U.S.A.

TITLE  
 SAN ONOFRE UNIT 1  
 NUCLEAR INSTRUMENTATION SYS  
 SOURCE RANGE N-31 (N-1201)  
 FUNCTIONAL BLOCK DIAGRAM

DIMENSIONS IN INCHES  
 SIZE (FSCM NO.)  
 D 2D33790 5  
 SCALE WEIGHT OF

8807140148

TI  
 APERTURE  
 CARD