

TO LEAK DETECTION
SYSTEMS 1-800-
SEE PAGE 9

VALVE NO.	Z S	NE	I/P	O/V	C.V. Hz	PANEL NO.
HY-94001	94001	→		94001	94000	C-121
HY-94001	94001	→		94001	94001	I
HY-94008	94008	→	HY 94006			
HY-94001	94001	→		94001	94001	C-123
HY-94008	94008	→		94008	94008	I

8001140165

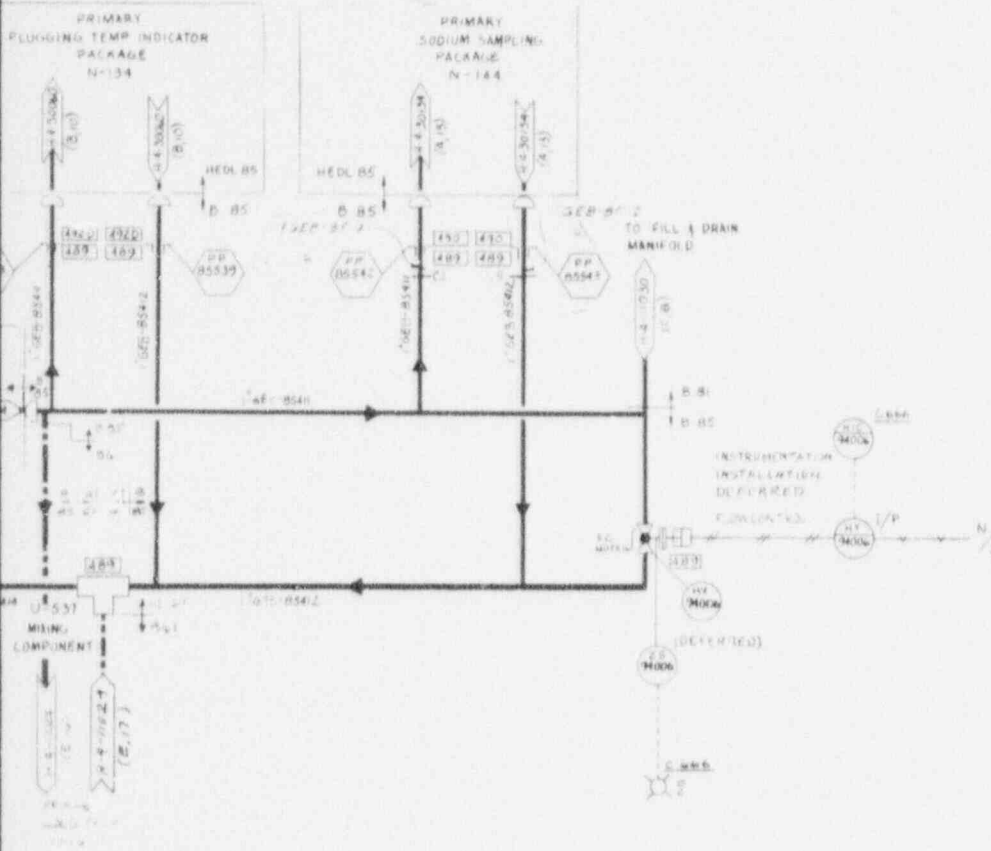
11. THIS DRAWING INCLUDES EQUIPMENT IDENTIFIED AS PART OF THE PLANT PROTECTION SYSTEM (PPS). BEFORE MODIFYING OR MAINTAINING THE EQUIPMENT SO IDENTIFIED, THE APPROVAL OF THE COGNIZANT PERSONNEL FOR PPS MUST BE OBTAINED. THIS EQUIPMENT IS SPECIFICALLY IDENTIFIED ON THE DRAWING AS FOLLOWS: HV-94000, -94001, -94007 & -94008.

NEXT USED ON

REFERENCE DRAWINGS

REV. NO.	REV. DATE	REVISION TITLE OR NUMBER
H-4-10040		PIED PRIMARY PLUGGING TEMPERATURE INDICATOR
H-4-10034		PIED SODIUM SAMPLING PACKAGE (SSP) DISTRIBUTION LOOP
H-4-10024		PIED CLOSED LOOP SYSTEM 2.5 MWL LOOP NTA

ING PROC. RELEVANT AND NOT ALL



NOTES:

1. ALL ALARMS ON LOCAL PANELS WILL BE CONNECTED TO A COMMON ALARM ANNUNCIATOR IN THE CONTROL ROOM.
2. SEE ELECTRICAL HEAT CONTROL DIAGRAM DWGS H-4-5421 THRU H-4-5432.
3. FOR SYMBOLS & USAGE SEE LEGEND SHEETS H-4-1009A H-4-1009A, 95, 96, 98 & 99.
4. HOT & COLD LEG SAMPLING CAPABILITY IS INITIALLY PROVIDED ON CLS #2 ONLY. CLS #1, 2 & 4 ARE EQUIPPED FOR COLD LEG SAMPLING.
5. DURING REVERSE FLOW CONDITIONS (I.E. FLOW'S STEAM) THE MAGNETIC FLOWMETER'S SIGNAL POLARITY IS REVERSED BY A MANUAL SWITCH LOCATED ON PANEL Z-662.
6. SPARE 7% SUPPLIED FOR NIRM WILL BE WIRED BACK TO A TERMINAL BOARD OUTSIDE OF THE PEWAT.
7. AUTOMATIC SEQUENCE CONTROL AND INTERLOCK OF EQUIPMENT WILL BE SHOWN ON LOGIC DIAGRAMS.
8. ALL SODIUM VALVES ARE SUPPLIED BY HECL PNEUMATIC OPERATORS ARE SUPPLIED WITH THE VALVES FOR VALVE INSTRUMENTATION SEE TABLE 4 VALVE DETAILS.
9. ALL COMPONENT LEAK DETECTORS ARE WIRED BACK TO INDICATORS ON LOCAL PANELS WHERE A COMMON ALARM IS DERIVED AND WIRED TO CONTROL ROOM PANEL C-156. SEE SPD 93 PART 13.
10. PILOT SOLENOID VALVES ARE LOCATED OUTSIDE OF INERTED AREA.
11. VALVE HV-94000, VOR PROVIDED WITH AN ADJUSTABLE MECHANICAL STOP SO THAT MINIMUM FLOW IS MAINTAINED IF THE ACTUATOR LOSES PNEUMATIC SUPPLY.

REV. NO.	REV. DATE	REVISION	BY
1	12/1/73	REVISED PER FORN 1141	7
2	12/1/73	REVISED & RELEASED (MD)	6
3	12/1/73	RELEASED ECP B-1004, HECL ERO B-1004	5
4	12/1/73	RELEASED HECL ERO B-1004, ECP B-1004	4
5	12/1/73	RELEASED HECL ERO B-1004, ECP B-1004	3
6	12/1/73	RELEASED HECL ERO B-1004, ECP B-1004	2
7	12/1/73	RELEASED HECL ERO B-1004, ECP B-1004	1
8	12/1/73	RELEASED HECL ERO B-1004, ECP B-1004	0

U. S. ATOMIC ENERGY COMMISSION
RICHLAND OPERATIONS OFFICE
Hanford Engineering Development Laboratory

BECHTEL JOB NO. 5853
SAN FRANCISCO

PIPING & INSTRUMENT DIAGRAM
PRIMARY SODIUM SAMPLING CLS NV 4
SYS 81

FAST FLUX TEST FACILITY

H-4-1051

DESIGNED BY HCL
REV. DATE 12/1/73
ERO 1-10-0

THIS DRAWING IS CONTAINED IN THE PPS DOCUMENTS. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE PPS-11/12/13 PROCESS.