

TEMPERATURE ELEMENTS MOTORS

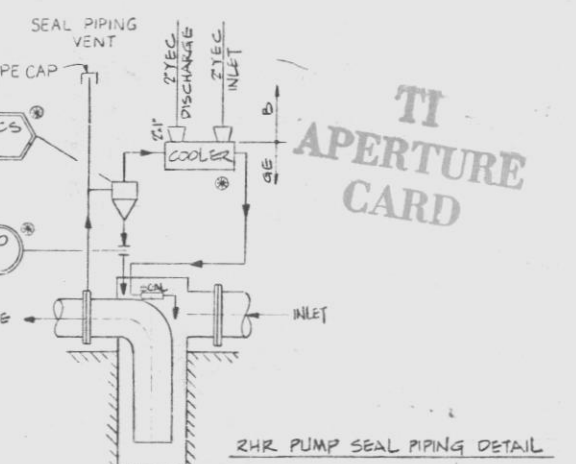
TE	A	B	C	D
15100	SPARE	TE15100B	SPARE	SPARE
15101	SPARE	SPARE	SPARE	SPARE
15102	SPARE	SPARE	SPARE	SPARE
15103	TE15103A	SPARE	SPARE	SPARE
15104	SPARE	SPARE	SPARE	TE15104D
15105	SPARE	SPARE	TE15105C	SPARE

* COMPUTER POINTS

TE	A	B	C	D
NHT03	NHT04	NHT05	NHT06	NHT07

BEARINGS:

TE	A	B	C	D
TE15100	NHT01	NHT02	NHT03	NHT04
TE15101	NHT01	NHT02	NHT03	NHT04
TE15102	NHT01	NHT02	NHT03	NHT04
TE15103	NHT01	NHT02	NHT03	NHT04
TE15104	NHT01	NHT02	NHT03	NHT04
TE15105	NHT01	NHT02	NHT03	NHT04



PUMP LINE NUMBER P ID LOCATION

PUMP	LINE NUMBER	P ID	LOCATION
15100A	15100A	15100A	15100A
15101A	15101A	15101A	15101A
15102A	15102A	15102A	15102A
15103A	15103A	15103A	15103A
15104A	15104A	15104A	15104A
15105A	15105A	15105A	15105A

- NOTES:
1. THE GC HPL NUMBER FOR THIS SYSTEM IS CH.
 2. FILLING LINE FROM CONDENSATE SYSTEM SHOULD BE CONNECTED TO HIGH POINT OF DISCHARGE PIPING.
 3. L.P.C.I. MODE OF OPERATION IS INITIATED BY HIGH DRYWELL PRESSURE (PS-15100A), SC-15100-1 INCIDENT WITH LOW REACTOR PRESSURE (PS-15100A) OR REACTOR LOW LEVEL (LS-15100A).
 4. L.P.C.I. - LOW PRESSURE COUPLER INJECTION.
 5. FOR INTERLOCKING REQUIREMENTS - AUTO VALVE ACTUATION SEE FUNCTIONAL CONTROL DIAGRAM KEY 1.
 6. TABLE "A" LISTS THE SWITCHES WHICH ARE INVOLVED IN REMOTE SHUTDOWN. ONLY THE CONTROL ROOM SWITCHES ARE SHOWN ON THE DRAWING. REFER TO TABLE "A" FOR KNOTS PANEL SWITCHES AND SELECTOR SWITCHES.
 7. M.O.V. TEST FUNCTION IS SHOWN ON ELEMENTARY DIAGRAM KEY 16 SHEET 1 AND KEY 16 SHEET 2.
 8. LAST SEQUENTIAL VALVE NUMBER USED BY PRODUCT ENGINEERING WAS 151-100. THE LAST VALVE NUMBER ASSIGNED BY FIELD ENGINEERING WAS 151-092.
 9. ALL FLOODING DETECTOR LEVEL SWITCHES ARE SCHEMATICALLY QUALIFIED.
 10. THE PORTION OF THE PIPE DESIGNATED WITH AN ARROW IS SCHEMATICALLY ANALYZED.
 11. ALARMS 15101A, B ARE ORIGINATED BY TS-15100A, B OR TS-15100A, B ONLY.
 12. VALVES 15100A AND 15100B SHALL BE PERMANENTLY CLOSED (POWER DISCONNECTED) UNLESS REACTOR IS IN THE COLD SHUTDOWN CONDITION. HOWEVER, ONE VALVE CAN BE TEMPORARILY ENERGIZED AND OPENED PROVIDING THE OTHER VALVE REMAINS DEENERGIZED AND CLOSED FOR PURPOSES OF SYSTEM FLOODING.
 13. INSTALL HV-151040 IN REVERSED DIRECTION FLOW TO BE OVER SEAT.
 14. REFER TO U-141 FOR ISOLATION SIGNALS.
 15. ANDREW OF HV-151-102A HAS BEEN REMOVED TO PREVENT POSSIBLE OVERLOAD OF PRIMARY CONTAINMENT ISOLATION SIGNALS.
 16. TE-15102A/B - T-15102A/B ARE NOT DYNAMICALLY QUALIFIED FOR THESE LOCATIONS.

8509060226

RECEIVED PROFESSIONAL ENGINEER
STATE OF PENNSYLVANIA
DATE: 5/14/82
BY: [Signature]

REV	DESCRIPTION	DATE	BY	CHK	APP
1	ISSUED				

PENNSYLVANIA POWER & LIGHT COMPANY
ALLIANCE POWER SYSTEMS
BRIDGEVILLE STEAM ELECTRIC STATION - UNIT 1, UNIT 2
BECHTEL - SAN FRANCISCO

P & ID
RESIDUAL HEAT REMOVAL

REV	DESCRIPTION	DATE	BY	CHK	APP
1	ISSUED				

8856 M-151 SHEET 1 OF 2 29

E-106256-1