



REF	REFERENCE DRAWINGS	REVISION	DATE	BY
1	NUCLEAR BOILER P&ID	M-141	E-10444	TRP/SL
2	REACTOR WATER CLEAN-UP P&ID	M-143	E-10444	TRP/SL
3	REACTOR BLDG COOLING WATER P&ID	M-113	E-10418	TRP/SL
4	CLEAN-UP FILTER/DEMINERALIZER P&ID	M-145	E-10629	TRP/SL
5	P&ID LEGEND	M-100	E-10310	TRP/SL
6	PROCESS LAMPING P&ID	M-121	E-10218	TRP/SL
7	CONDENSATE P&ID	M-105	E-10210	TRP/SL
8	REACTOR WATER CLEAN-UP SPEC DATA SHEET			TRP/SL
9	NUCLEAR BOILER LEVEL INSTR P&ID	M-112	E-10421	TRP/SL
10	REACTOR WATER BLDG P&ID	M-143	E-10629	TRP/SL
11	REACTOR BLDG REMOVAL P&ID	M-111	E-10416	TRP/SL
12	HPIAL PUMP TURBINE P&ID	M-154	E-10524	TRP/SL
13	SPIC PUMP TURBINE P&ID	M-150	E-10435	TRP/SL
14	NUCLEAR BOILER LEAK DET. DES. SPEC.			TRP/SL
15				
16	LIQUID WASTE PROCESSING P&ID	M-118	E-10429	TRP/SL
17	CONTAINMENT PATHS CONTROL	M-157	E-10624	TRP/SL
18	RAID REACTOR WATER CLEAN-UP SYS.			TRP/SL
19				
20				
21				

NON-REGENERATIVE HEAT EXCHANGER  
IE-208 (18002)

NOTES:

- CHEMICAL CLEANING AND DECONTAMINATION CONNECTIONS SHALL BE PROVIDED TO GIVE OPTIMUM DECONTAMINATION CONNECTIONS SHALL BE ARRANGED TO PROVIDE DISCONTAMINATION OF ONE PLACE OF EQUIPMENT SEPARATELY FROM ALL OTHER EQUIPMENT. CONNECTIONS SHALL BE MADE TO NEAREST POINT.
- NON-REGENERATIVE HEAT EXCHANGER SHALL BE VALUED AND DIPPED DES 6.10 TO RECOVER SYSTEM CONDITIONS.
- MISCELLANEOUS VALVE NUMBERS USED ARE 1-44-001A THRU 1-44-021.

- THIS M.P. NUMBER FOR THIS SYSTEM IS G-13.
- CLEAN-UP SYSTEM ISOLATION IS NOTED BY ANY OF THE FOLLOWING CONDITIONS:
  - NON-REGENERATIVE HEAT EXCHANGER ISOLATED
  - LEAK DETECTION SYSTEM HIGH DIFFERENTIAL FLOW
  - LEAK DETECTION SYSTEM HIGH DIFFERENTIAL TEMPERATURE
  - REACTOR LOW WATER LEVEL
  - STANDBY LIQUID CONTROL SYSTEM ACTIVATION (AND P&ID)
  - HIGH D.D. LEAK DETECTION SYSTEM
- LEGATE TAP FOR INSTRUMENT DATA SHEET:
  - FULL RANGE IS NOT EXCEEDED PER INSTRUMENT DATA SHEET.
  - ELEVATION SHALL BE WITHIN 30" BELOW VESSEL 2.
- TWO TRENCH SYSTEMS DERIVED FROM THE TEMPERATURE ELEMENTS ARE DUAL ELEMENT.
- CHEMICAL CLEAN-UP IN HOLDING PUMP ROOM.

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

NO.	DESCRIPTION	DATE	BY	CHKD
1	ISSUED FOR CONSTRUCTION	11/15/66	TRP/SL	
2	REVISED PER CHANGE LIST # 1	11/15/66	TRP/SL	
3	REVISED PER CHANGE LIST # 2	11/15/66	TRP/SL	
4	REVISED PER CHANGE LIST # 3	11/15/66	TRP/SL	
5	REVISED PER CHANGE LIST # 4	11/15/66	TRP/SL	
6	REVISED PER CHANGE LIST # 5	11/15/66	TRP/SL	
7	REVISED PER CHANGE LIST # 6	11/15/66	TRP/SL	
8	REVISED PER CHANGE LIST # 7	11/15/66	TRP/SL	
9	REVISED PER CHANGE LIST # 8	11/15/66	TRP/SL	
10	REVISED PER CHANGE LIST # 9	11/15/66	TRP/SL	
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PENNSYLVANIA POWER & LIGHT COMPANY		
ALLIANCE, PENNSYLVANIA		
1300 MARKET STREET, PHILADELPHIA, PA. 19104		
BECHTEL - SAN FRANCISCO		
P&ID		
REACTOR WATER CLEAN-UP		
DESIGN	DRAWING NO.	REV.
8856	M-144	15
Q	E-106249	

P.R.C. APERTURE CARD



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