



LINE NO.	DESIGN PRESSURE (PSIG)	DESIGN TEMP (°F)
1	1150	565
2	54	330
3	150	230
4	150	135
5	450	350
6	1150	150
7	-12, +40	117
8	1150	350

TABLE A

- NOTES:
1. ALL VALVES ARE THE SAME SIZE AS PIPING UNLESS OTHERWISE NOTED.
 2. ALL VALVES SHALL BE PREFIXED UNIT 2 UNLESS OTHERWISE NOTED.
 3. [] ETC. DENOTES DESIGN PRESSURE AND TEMPERATURE AS GIVEN IN TABLE A. SYSTEM PRESSURE-TEMPERATURE DATA, THIS DRAWING.
 4. LEAK TESTING SHALL BE IN ACCORDANCE WITH APPLICABLE CODES.
 5. THE DESIGN PRESSURE AND TEMPERATURE OF ALL DRAIN AND VENT LINES SHALL BE THE SAME AS THE PROCESS LINE.
 6. REACTOR AND REACTOR RECIRCULATION PIPING IS CLASS M UNLESS OTHERWISE NOTED.
 7. VALVE IS TO BE OPEN ONLY DURING OPERATION OF THE P.A.S.S.
 8. THE VALVE SUPPLIED WITH THE NITROGEN BOTTLE SHALL BE NORMALLY CLOSED EXCEPT WHEN SAMPLING.
 9. LETTER DESIGNATIONS SHOWN AT THE SECONDARY CONTAINMENT PENETRATION CONNECTIONS TO THE PENETRATION SAMPLE LINE SCHEDULE SHOWN ON FIG. 2-47E867-100.
 10. OPERATION OF VALVE 2-FV-43-70 COULD CAUSE ERGATIC READINGS ON JET PUMP NO. 1 FLOW INDICATOR 2-47E867-15 (IF REACTOR RECIRCULATION SYSTEM IS IN OPERATION).
 11. FOR NITROGEN SUPPLY, REFER TO DRAWING 2-797E88-1 (CONTRACT NUMBER 86L783451).
 12. VENT, DRAIN, AND TEST CONNECTIONS 1/2" AND BELOW CAN BE PROVIDED WITH PIPE CAPS OR ROSE CONNECTION FITTINGS WHERE REQUIRED BY PERMITS. THIS CONNECTION IS SUPPORTED BY ENGINEERING CALCULATION 20-0099-923399.
 13. IS1 BUFFLE FROM REFERENCE CONTINUATION DRG HAS BEEN OMITTED, AS APPLICABLE.
 14. THIS IS1 CODE CLASS DRAWING DOES NOT NECESSARILY REPRESENT THE ACTUAL CONFIGURATION.

- REFERENCE DRAWINGS:
- 86L783451 VALVE MARKER TAG TABULATION
 - 2-47E810-15 CONTROL DIAGRAM-SAMPLING AND WATER QUALITY SYSTEM
 - 2-47E810-74-2 CONTROL DIAGRAM-RWR SYSTEM
 - 2-47E810-78-3 CONTROL DIAGRAM-CONTAINMENT INERTING SYSTEM
 - 2-47E810-70-1 CONTROL DIAGRAM-REACTOR BUILDING CLOSED COOLING WATER SYSTEM
 - 2-47E810-88-1 CONTROL DIAGRAM-REACTOR WATER RECIRCULATION SYSTEM
 - 2-47E810-31 CONTROL DIAGRAM-AUXILIARY BOILER SYSTEM
 - 2-47E810-197-188 INSTRUMENT AND CONTROLS
 - 2-47E810-303-384 INSTRUMENT AND CONTROLS
 - 47E800-1 FLOW DIAGRAM-GENERAL PLANT SYSTEM
 - 2-47E800-1 FLOW DIAGRAM-CONTAINMENT INERTING SYSTEM
 - 1-2-47E822-1 FLOW DIAGRAM-REACTOR BUILDING CLOSED COOLING WATER SYSTEM
 - 2-47E817-1 FLOW DIAGRAM-REACTOR WATER RECIRCULATION, DRAINS, VENTS, AND BLOWDOWN SYSTEMS
 - 2-47E815-1 FLOW DIAGRAM-AUXILIARY BOILER SYSTEM
 - 2-47E800-88-1 P.A.S.S. PIPING/TURNING ISOMETRICS

- G.I.E. DRAWINGS (CONTRACT NO. 86L783451):
- 78E851 PIPING STATION
 - 78E854 SAMPLE STATION
 - 78E858 CONTROL PANEL
 - 78E862 INTERFACE CONTROL DRAWING
 - 860033P-M800 PENETRATION DETAIL

FOR ASME SECTION XI USE ONLY

ASME CODE CLASS 1 EQUIVALENT
 ASME CODE CLASS 2 EQUIVALENT
 NON NUCLEAR CODE CLASS

001	ADMIN	7-28-94	ROP	JK	N/A	ZTL	FWF	RDC	REC	JEV
002	DESIGNED CLASS BREAK BOUNDARY AT FV-43-70 PER NRC MEMO R14-970202 TO (REF. BIPER 891284)	8-21-98	MP1	JK	N/A	BLD/7	N/A	N/A	BLD	HLW/D
003	TERMINATE CODE CLASS 1 BOUNDARY AT FV-43-70 PER NRC MEMO R14-970202 TO (REF. BIPER 891284) AND NRC LETTER TO THE CHIEF OF STAFF PER NRC MEMO 82-032 (REF. NRC LETTERS REFERENCE DRAWING ID REFLECT UNITIZATION)	4-3-98	MP1	ERK	N/A	FWF	SAP	ERK	FWF	HLW/S
004	ADDED NOTE 14									

POWERHOUSE UNIT 2 SYSTEM NO. 43

ASME SECTION XI SAMPLING AND WATER QUALITY SYSTEM CODE CLASS BOUNDARIES

S	BROWNS FERRY NUCLEAR PLANT	Q
TENNESSEE VALLEY AUTHORITY		
DRAFTER	CHECKER	INITIAL ISSUE
DESIGNER	REVIEWER	END USERING APPROVAL
DATE	8-4-92	67 M 2-47E867-3-1S1
ISSUED BY	N/A	R004
THIS DRAWING IS UNDER CONFIGURATION CONTROL		CCD

POST ACCIDENT SAMPLING SYSTEM (P.A.S.S.)



THIS DRAWING WAS ISSUED FOR
SAMPLING AND WATER QUALITY SYSTEM
REV. 004

D-35