



NOTES:

1. ALL EQUIPMENT, VALVES, SPECIALTIES, AND INSTRUMENTATION UPSTREAM OF CHEMICAL WASTE AND WASTE SLUDGE PHASE SEPARATOR TANKS AND DOWNSTREAM OF RADWASTE BUILDING PENETRATION SHALL BE FURNISHED UNDER CONTRACT E-2808-20 WITHIN LIMITS SHOWN.
2. ALL PRESSURE, SAMPLING, AND/OR FLOW INSTRUMENT ROOT VALVES NOT LABELED WILL BE 3/4" GLOBE VALVES, UNLESS SPECIFICALLY NOTED OTHERWISE.
3. ALL PIPING, VALVES, AND ASSOCIATED COMPONENTS ON THIS DRAWING, EXCEPT AS NOTED IN OTHER NOTES, SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS I
SEISMIC CATEGORY II
CODE GROUP C
4. ALL PIPING ON THIS DRAWING IN THE REACTOR BUILDING AND RADWASTE BUILDING CORRIDOR, EXCEPT AS NOTED IN FOLLOWING NOTES, SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS II
SEISMIC CATEGORY II
CODE GROUP C
5. ALL PIPING REFERRING TO THIS NOTE SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS I
SEISMIC CATEGORY I
CODE GROUP B
6. (DELETED)
7. PIPING, VALVES, & COMPONENTS SHOWN ON THIS DRAWING IN THE CPR(29)-1, MWR(38)-1, MWR(40)-1, CF(ALL), SA(1)-1, COND(ALL) SYSTEM SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS II
SEISMIC CATEGORY II
CODE GROUP D
8. ALL INSTRUMENTATION, PIPING, AND TUBING DOWNSTREAM OF THE INSTRUMENT ROOT VALVE SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS II
SEISMIC CATEGORY II
CODE GROUP D
9. ALL PIPING, VALVES, AND ASSOCIATED COMPONENTS REFERRING TO THIS NOTE SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS I
SEISMIC CATEGORY I
CODE GROUP C
10. PIPING, VALVES, & ASSOCIATED COMPONENTS ON THIS DRAWING SHALL BE CLASSIFIED AS FOLLOWS: (BREAK POINTS ARE INDICATED ON THIS DIAGRAM)
QUALITY CLASS I
SEISMIC CATEGORY I
CODE GROUP D
11. ALL PIPING FOR FPC(9)-1-1 UPSTREAM OF FPC-V-169, FPC(10)-1, FPC(11)-1, & FPC(50)-1 SHALL HAVE ALL WELDS EXAMINED BY LIQUID PENETRANT EXAMINATION, AND SHALL HAVE ALL FABRICATION AND MATERIALS TO APPLICABLE REQUIREMENTS OF ASME III-3, EXCEPT CODE STAMP IS NOT REQUIRED.
12. DIFFUSERS SHALL BE CLASSIFIED AS STATED IN NOTE 4 FOR MATERIAL FABRICATION AND INSTALLATION ONLY; CODE STAMP NOT REQUIRED.
13. ALL PIPING, VALVES, & ASSOCIATED COMPONENTS REFERRED TO BY THIS NOTE, IF PURCHASED OR INSTALLED PRIOR TO 1 JAN. 1980, SHALL BE: QUALITY CLASS II
SEISMIC CATEGORY I
CODE GROUP C
AND, IF PURCHASED OR INSTALLED AFTER 1 JAN. 1980, SHALL BE: QUALITY CLASS I
SEISMIC CATEGORY I
CODE GROUP C
14. ALL PIPING DOWNSTREAM OF THE LAST ISOLATION VALVE AND OPEN TO THE ATMOSPHERE WITH THE SUBSYSTEM DESIGNATION "SYSTEM" (SO) THRU (59) SHALL BE CLASSIFIED AS CODE GROUP "D" WITH QUALITY CLASS AND SEISMIC CATEGORY PROVIDED BY THE APPLICABLE NOTES ON THIS DRAWING, EXCEPT WHERE THE APPLICABLE NOTES CALL FOR QUALITY CLASS II+; PIPING SHALL BE QUALITY CLASS II.
15. ALL PIPING, VALVES, AND ASSOCIATED COMPONENTS REFERRED TO BY THIS NOTE SHALL BE CLASSIFIED AS FOLLOWS:
QUALITY CLASS II
SEISMIC CATEGORY II
CODE GROUP D
HANGERS TO BE DESIGNED TO SEISMIC CATEGORY I LOADS.
+ SEE NOTE 12, WNP-2 SPEC. SECT. 15B.1, TABLE 2 NOTES.
16. VALVE IS NOT ASME III CLASS 3, IT IS CONSIDERED SA105 MATERIAL WELDED TO THE SYSTEM. THE FOLLOWING WASHINGTON STATE SPECIAL NUMBERS ARE IDENTIFIED WITH CORRESPONDING VALVES.
VALVE TAG NO. WASHINGTON STATE SPECIAL NUMBER
FPC-V-172 WS-17-83W
FPC-V-173 WS-18-83W
FPC-V-175 WS-19-83W
FPC-V-181A WS-20-83W
FPC-V-181B WS-26-83W
FPC-V-184 WS-21-83W
17. FPC-V-145A AND FPC-V-145B INTERNALS HAVE BEEN REMOVED.
18. DWG. M837 CONTAINS INFORMATION ON THE INNER DRYWELL BELLWIS AND ASSOCIATED DRAINS.
19. FPC-PS-16A AND FPC-PS-16B ARE DEACTIVATED IN PLACE.

LEGEND:

1. ALL VALVES (EXCEPT THOSE ON INSTRUMENT LINES) SUFFICED WITH A (V) DENOTE A 3/4" VALVE, EXCEPT AS NOTED.
2. ALL VALVES (EXCEPT THOSE ON INSTRUMENT LINES) SUFFICED WITH A (D) DENOTE A 3/4" DRAIN VALVE.
3. ALL VALVES SUFFICED WITH A (TH) DENOTE A THROTTLED VALVE.

REFERENCES TO CONTRACT NUMBERS, SUCH AS 215, 206, 220, FOUND IN THE NOTES ON THIS DRAWING REFER TO ORIGINAL CONSTRUCTION DESIGN REQUIREMENTS.
CURRENT DESIGN REQUIREMENTS ARE DOCUMENTED IN THE STATION DESIGN SPECIFICATIONS AND ACTIVE CONTRACT SPECIFICATIONS WHICH STILL APPLY.

FSAR FIG. 1

ENERGY
NORTHWEST

COLUMBIA
GENERATING
STATION

REV	DATE	DESCRIPTION	DWN	CHK	APPR	SIGNATURE	DATE	TITLE
93	5-3-02	REDRAWN AND REVISED PER 01485-014, 01553-011, & 01486-015	NT	HL	DRU	D.R. JACOBSON	5-3-02	
						H. LE	04-04-02	
						N. THEISEN	01-11-01	

SCALE: NONE

DWG NO: M526-1

REV: 93

FLOW DIAGRAM
FUEL POOL COOLING
AND CLEAN-UP SYSTEM