

REVISION

FILED FIRST ISSUE
BY: ESR 02-171
CHECKED BY: J. J. 02-171
APPROVED BY: J. J. 02-171
FILED IN: 02-171

0-1
BASED
REFERENCE AND
REVISED INSTR. NO. 1

PER DCR 2306

BY: EDD 04-19-74
CHECKED BY: J. J. 04-19-74
APPROVED BY: J. J. 04-19-74
FILED IN: 04-19-74

3 DCR 2306 COMPL.
SEE REV. 0-1
FILED IN: 06-11-74

A-1
VALVES SW-903A, B, C, D
WERE N.C.
PER PDD 0122
BY: BCY 11/9/74
CHECKED BY: J. J. 11/9/74
APPROVED BY: J. J. 11-10-74

B PDD 0122 CC-MPL.
SEE REV. A-1
FILED IN: 11-29-74

B-1
REMOVED OUTLET SER.
WATER FLOW SENSORS
AND TRANSMITTERS.
PER DCR 1271
BY: BCY 8/28/75
CHECKED BY: J. J. 8/31/75
APPROVED BY: J. J. 8/31/75

C DCR 1271 COMPL.
SEE REV. B-1
FILED IN: 9/12/75

C-1 DCR 2909
RELOCATED SHROUD
COOLING COIL. R/LIFF
VALVE AND INSTALLED
BYPASS LINE. ADDED
NOTE 7.
BY: LAM 07-08-97
APPROVED BY: J. J. 07-23-97

D DCR 2909 COMPL.
SEE REV. C-1
FILED IN: 07-25-97

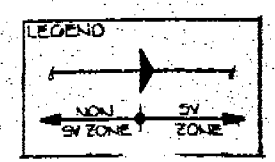
D-1 DCR 2909
OPENED BALL VALVES.
REVISED FLOW
ARROWS. & ADDED
CHECK VALVES.
BY: LAM 07-25-97
APPROVED BY: J. J. 08-09-97

E DCR 2905 COMPL.
SEE REV. D-1
FILED IN: 09-16-97

E-1 DCR 2876
AT 4-11 DELETED
FLOW ORIFICE. AT
E-11 DELETED FLOW
ORIFICE & VALVE
SW970
BY: LAM 10-08-97
APPROVED BY: J. J. 10-17-97

F DCR 2876 COMPL.
SEE REV. E-1
FILED IN: 12-10-98

- NOTES
1. ANNULAR BAR TO BE USED WITH TEMPORARY TEST EQUIPMENT
 2. ORIFICE PIN DRAIN OUTLET TO TOP OF LOOP SEAL SHALL BE 1/4" MINIMUM. TOP TO BOTTOM OF LOOP SEAL SHALL BE 1" MINIMUM.
 3. A SINGLE DRIP PAN SHALL BE PROVIDED THAT SHALL EXTEND UNDER BOTH COOLING COILS.
 4. REMOVABLE SHOULDER PIECES SHALL BE PROVIDED IN THE INLET AND OUTLET TO THE COOLING COILS TO ALLOW FOR REMOVAL OF MISSILE SHIELD.
 5. ALL PIPING SHALL BE CARBON STEEL EXCEPT FOR THE DRAIN DRAINAGE FROM THE DRIP PAN. THIS PIPE SHALL BE STAINLESS STEEL.
 6. THROTTLED POSITION OF THIS VALVE IS FIXED TO MAINTAIN 75 GPM TO SHROUD COOLING COIL. THIS POSITION IS INDICATED BY A GREEN LIGHT IN THE CONTROL ROOM.
 7. BYPASS LINE AROUND SHROUD COOLING COIL. INSTALLED PER DCR 2309. ALLOWS FOR THERMAL EXPANSION OF FLUID TRAPPED IN SECTION OF PIPING THAT IS ISOLATED POST-ACCIDENT. INDC 0136-001. BYPASS LINE CONSTRUCTED OF STAINLESS STEEL TUBING.
 8. VALVES WITH ASTERISK LOCKED OPEN.



WISCONSIN PUBLIC SERVICE CORPORATION
Kewaunee Nuclear Power Plant
CANTON, KEWAUNEE COUNTY, WISCONSIN

**ANALYTICAL PART FLOW
SERVICE WATER SYSTEM
CONTAINMENT COOLING**

DESIGNED BY
WISCONSIN PUBLIC SERVICE CORP.
GREEN BAY, WISCONSIN

DATE	BY	CHECKED	APPROVED
11-11-83	J. J.	J. J.	J. J.
08-09-97	J. J.	J. J.	J. J.
12-10-98	J. J.	J. J.	J. J.

APM-547

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Rec'd at Bldg 404
7/30/98
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