REVISIONS
0
DRAWN BY: JLB DATE: 1-24-07 PREPARED BY: MLR DATE: 1-24-07 REVIEWED BY: SRM DATE: 1-24-07
1
CORRECT DWG CONTINUATION FOR CHILLED WATER FROM NF-86172-1 TO NF-86172-4 DRAWN BY: JLB DATE: 6-6-07 PREPARED BY: MLR DATE: 6-6-07 REVIEWED BY: SRM DATE: 6-14-07

TYP (16 PLACES) CLC

TYP (16 PLACES) ZCL

4-2CL-30 4-2CL-42 4-2CL-30 4-2CL-42 6-2CL-30 4-2CL-30

2CL-21-44 ¾"V ¾-2CL-75 4-2CL-42

V 2CL-21-68 ¾" ¾-2CL-67 4-2CL-30

2-2CL-30 2" 8-2CL-30 2-2CL-42 2" 8-2CL-42

4-2CL-42 6-2CL-42 8-2CL-42

2½-2CL-42 (TYP. 4)

2½-2CL-30 (TYP. 4)

*24 CONTAINMENT FAN COIL UNIT (EL.755'-0")

CHILLED WATER SUPPLY & RETURN TO *22 SHROUD COOLING COIL. FOR CONT. SEE LR-86172-4

CV 39417 IIB IC CV 39418

BLIND FLNG. ¾"

2CL-57-6 1" X ¾" RELIEF VALVE

8-2CL-42

TO CONTAINMENT INTERNAL CLEAN-UP FILTERS FOR CONT. SEE LR-39603-4(LOC. H-4)

2CL-99B-6

2" 2-2CL-28 8" 8-2CL-28 2CL-12-3 NOTE 1 8-2CL-27 *22

FI 41510 01 √ 48631 F 23140 FE 27126 37B

ES 46543 CONTROL M MV 32150 BLIND FLNG. ¾" 8-2CL-41 *22

A 47519 0502 LOW FLOW TU 4865 √ 48632 F 23141 FE 27127 FI 41510 02 38B

8" 8-2CL-30 2CL-12-4 NOTE 1 8-2CL-29 *24

¾-2CL-66 D 2CL-21-40 ¾" 37D

FI 41512 (01) √ 48635 F 23144 FE 27130 "G"

ES 46544 CONTROL M MV 32156 8-2CL-43 *24

¾-2CL-76 D 2CL-21-69 ¾" 38D

A 47519 0504 LOW FLOW TU 4865 √ 48636 F 23145 FE 27131 FI 41512 02

2CL-19-33 2-2CL-129 2" 2CL-12-1 NOTE 1 8-2CL-23 8-2CL-22 *21

FI 41509 01 √ 48629 F 23138 FE 27124 37A

ES 46541 CONTROL M MV 32147 8-2CL-36 *21

A 47519 0501 LOW FLOW TU 4865 √ 48630 F 23139 FE 27125 FI 41509 02 "G" 38A

8" 8-2CL-25 2CL-12-2 NOTE 1 8-2CL-24 *23

FI 41511 01 √ 48633 F 23142 FE 27128 37C

ES 46542 CONTROL M MV 32153 8-2CL-38 *23

¾-2CL-71 D 2CL-21-67 ¾" 38C

A 47519 0503 LOW FLOW TU 4865 √ 48634 F 23143 FE 27129 FI 41511 02

IC INSIDE CONTAINMENT ANNULUS SHIELD BLDG. WALL AUX. BUILDING

FOR CONT. SEE LR-39217-2

6-2CL-25 4-2CL-25 4-2CL-37 4-2CL-25 4-2CL-37 ¾-2CL-87 2CL-21-66 ¾" 4-2CL-37 4-2CL-25

8-2CL-25 8-2CL-37

2½-2CL-37 (TYP. 4)

2½-2CL-25 (TYP. 4)

*23 CONTAINMENT FAN COIL UNIT (EL.733'-6")

CHILLED WATER SUPPLY & RETURN TO *21 SHROUD COOLING COIL. FOR CONT. SEE LR-86172-4

CV 39420 IIB IC CV 39419

TO CONTAINMENT INTERNAL CLEAN-UP FILTERS FOR CONT. SEE LR-39603-4(LOC. H-4)

2CL-99B-5

2" 2-2CL-25 ¾-2CL-90 2CL-21-65 D ¾"

¾-2CL-62 ¾" 2CL-21-11 D

6-2CL-25 6-2CL-37

4-2CL-23 4-2CL-35 4-2CL-23 6-2CL-23 8-2CL-23

4-2CL-35 6-2CL-35 8-2CL-35

¾-2CL-70 2CL-21-18 ¾"D

¾-2CL-63 2CL-21-30 ¾"D

2½-2CL-35 (TYP. 4)

2½-2CL-23 (TYP. 4)

*21 CONTAINMENT FAN COIL UNIT (EL.711'-6")

2-2CL-28 4-2CL-40 4-2CL-28 2-2CL-40 4-2CL-40 4-2CL-28 8-2CL-37

8-2CL-28

8-2CL-40

¾-2CL-63 D 2CL-21-21 ¾"

¾-2CL-40 D 2CL-21-28 ¾"

2½-2CL-40 (TYP. 4)

2½-2CL-28 (TYP. 4)

*22 CONTAINMENT FAN COIL UNIT (EL.711'-6")

6-2CL-40 6-2CL-28

NOTE:

1) CHECK VALVE INTERNALS REMOVED.

REFERENCE PIPING DWG. NO'S:

COOLING WATER : NF-39291-1 THRU -9

LEGEND:

←→ DENOTES LIMITS OF Q.A. TYPES.
IA, IC, IIB DENOTES THE PIPING Q.A. TYPES.
(I/INII/3IIII/3) DENOTES THE EQUIP. QA TYPE/ DESIGN CLASS.

CONTAINMENT VESSEL PEN. NO.

LR - LEGEND

- IN SCOPE FOR LR PER 10 CFR 54.4(a)(1) 10 CFR 54.4(a)(3)
- IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
- OUT OF SCOPE
- XX DENOTES SYSTEM BOUNDARY BREAK

D-11

LR - SYSTEMS

CL - COOLING WATER
ZC - CONTAINMENT VENT

REFERENCE DWG. NF-39217-3 REV. G

This map / document is a tool to assist employees in the performance of their jobs. Your personal safety is provided for by using safety practices, procedures and equipment as described in safety training programs, manuals and SPAR's.

DWN	DATE	SIGNIFICANT NO.	8630			2	4410	1	8540	
CHECKED		GROUP	1	2	3	4	5	CL	6	
PROJECT NO.										
APP'D & CERT.										
FILMED										

LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM UNIT 2
COOLING WATER- CONTAINMENT

NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA

SCALE REV 1

LR-39217-3

$$USERNAME$$
$$$$$$$$SYTIME$$$$$$$$$$SYDATE$$$$$$
$$$$$$$$$$DESIGNFILE$$$$$$$$$

LR-39217-3.DGN ROP GENERATION CAD

LR-39217-3

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