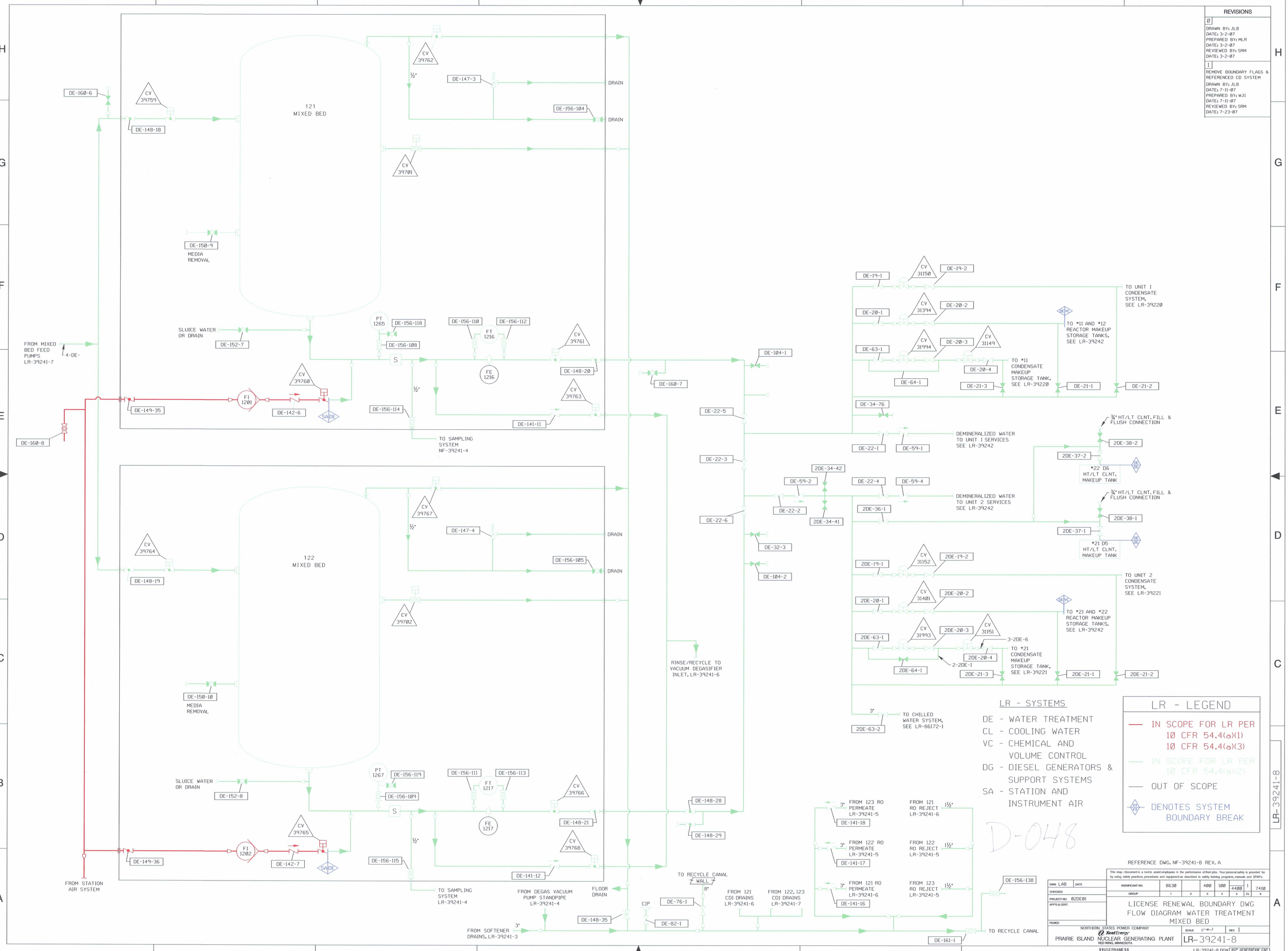
121
MIXED BED
122
MIXED BED
CV 39759
CV 39760
CV 39761
CV 39762
CV 39763
CV 39764
CV 39765
CV 39766
CV 39767
CV 39768
CV 39701
CV 39702
DE-160-6
DE-148-18
DE-150-9
MEDIA REMOVAL
DE-147-3
DE-156-104
DRAIN
SLUICE WATER OR DRAIN
DE-152-7
FROM MIXED BED FEED PUMPS LR-39241-7
4-DE-
DE-149-35
FI 1201
DE-142-6
SA DE
DE-160-8
PT 1265
DE-156-118
DE-156-108
DE-156-110
DE-156-112
FT 1216
FE 1216
DE-148-20
DE-156-114
DE-141-11
TO SAMPLING SYSTEM NF-39241-4
DE-160-7
DE-104-1
DE-22-5
DE-22-3
DE-22-6
DE-32-3
DE-104-2
DE-147-4
DE-156-105
DE-148-19
DE-150-10
SLUICE WATER OR DRAIN
DE-152-8
PT 1267
DE-156-119
DE-156-109
DE-156-111
DE-156-113
FT 1217
FE 1217
DE-148-21
DE-156-115
DE-141-12
DE-149-36
FI 1202
DE-142-7
FROM STATION AIR SYSTEM
TO SAMPLING SYSTEM LR-39241-4
FROM DEGAS VACUUM PUMP STANDPIPE LR-39241-4
FLOOR DRAIN
FROM SOFTENER DRAINS, LR-39241-3
DE-148-35
CIP
DE-82-1
DE-76-1
TO RECYCLE CANAL WALL
8"
RINSE/RECYCLE TO VACUUM DEGASIFIER INLET, LR-39241-6
DE-148-28
DE-148-29
FROM 121 CDI DRAINS LR-39241-6
FROM 122, 123 CDI DRAINS LR-39241-7
FROM 123 RO PERMEATE LR-39241-5
DE-141-18
FROM 121 RO REJECT LR-39241-6
FROM 122 RO PERMEATE LR-39241-5
DE-141-17
FROM 122 RO REJECT LR-39241-5
FROM 121 RO PERMEATE LR-39241-6
DE-141-16
FROM 123 RO REJECT LR-39241-5
DE-156-138
TO RECYCLE CANAL
DE-161-1
CV 31150
CV 31394
CV 31994
CV 31149
DE-19-1
DE-19-2
DE-20-1
DE-20-2
DE-20-3
DE-20-4
DE-63-1
DE-64-1
DE-21-3
DE-21-1
DE-21-2
TO UNIT 1 CONDENSATE SYSTEM, SEE LR-39220
TO *11 AND *12 REACTOR MAKEUP STORAGE TANKS, SEE LR-39242
TO *11 CONDENSATE MAKEUP STORAGE TANK, SEE LR-39220
DE-34-76
DEMINERALIZED WATER TO UNIT 1 SERVICES SEE LR-39242
DE-22-1
DE-59-1
DE-22-4
DE-59-4
DEMINERALIZED WATER TO UNIT 2 SERVICES SEE LR-39242
DE-59-2
DE-22-2
2DE-34-42
2DE-34-41
2DE-36-1
¾" HT/LT CLNT. FILL & FLUSH CONNECTION
2DE-38-2
2DE-37-2
*22 D6 HT/LT CLNT. MAKEUP TANK
2DE-38-1
2DE-37-1
*21 D5 HT/LT CLNT. MAKEUP TANK
CV 31152
CV 31401
CV 31993
CV 31151
2DE-19-1
2DE-19-2
2DE-20-1
2DE-20-2
2DE-20-3
2DE-20-4
2DE-63-1
2DE-64-1
2DE-21-3
2DE-21-1
2DE-21-2
3-2DE-6
2-2DE-1
TO UNIT 2 CONDENSATE SYSTEM, SEE LR-39221
TO *21 AND *22 REACTOR MAKEUP STORAGE TANKS, SEE LR-39242
TO *21 CONDENSATE MAKEUP STORAGE TANK, SEE LR-39221
2DE-63-2
TO CHILLED WATER SYSTEM, SEE LR-86172-1
LR - SYSTEMS
DE - WATER TREATMENT
CL - COOLING WATER
VC - CHEMICAL AND VOLUME CONTROL
DG - DIESEL GENERATORS & SUPPORT SYSTEMS
SA - STATION AND INSTRUMENT AIR
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
DENOTES SYSTEM BOUNDARY BREAK
D-048
REFERENCE DWG. NF-39241-8 REV. A
REVISIONS
0
DRAWN BY: JLB
DATE: 3-2-07
PREPARED BY: MLR
DATE: 3-2-07
REVIEWED BY: SRM
DATE: 3-2-07
1
REMOVE BOUNDARY FLAGS & REFERENCED CD SYSTEM
DRAWN BY: JLB
DATE: 7-11-07
PREPARED BY: WJI
DATE: 7-11-07
REVIEWED BY: SRM
DATE: 7-23-07
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 LAB DATE
CHECKED
PROJECT NO. 02DE01
APP'D & CERT.
FILMED
SIGNIFICANT NO. 8630 400 100 4400 1 7410
GROUP 1 2 3 4 5 CL 6
LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM WATER TREATMENT
MIXED BED
NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA
SCALE C-#-J
REV 1
LR-39241-8
$$USERNAME$$
$$$$$$SYTIME$$$$$$$$$$$$SYDATE$$$$$$
$$$$$$$$$$DESIGNFILE$$$$$$$$$
LR-39241-8.DGN
NSP GENERATION CAD
LR-39241-8