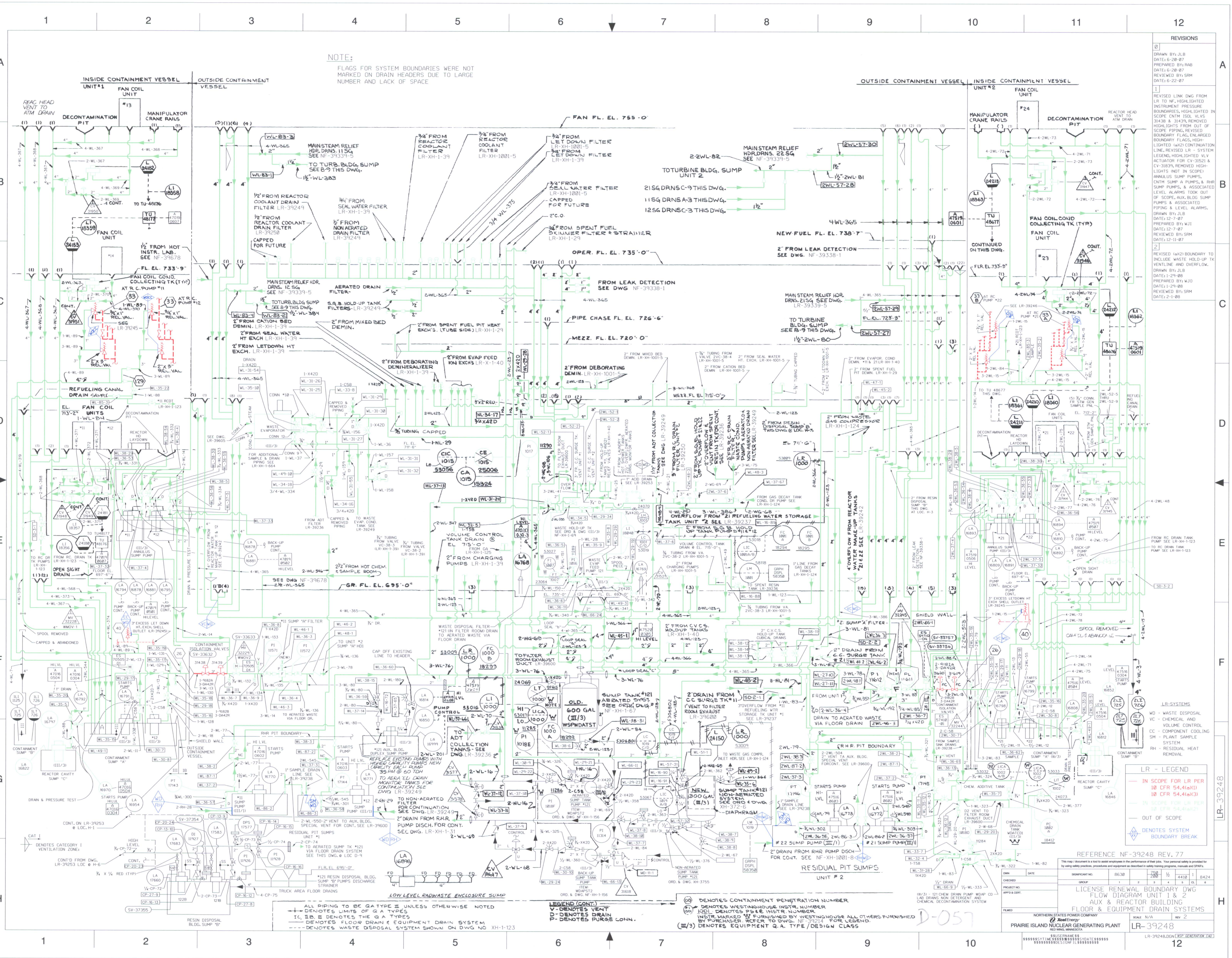
NOTE:
FLAGS FOR SYSTEM BOUNDARIES WERE NOT MARKED ON DRAIN HEADERS DUE TO LARGE NUMBER AND LACK OF SPACE
INSIDE CONTAINMENT VESSEL UNIT #1
OUTSIDE CONTAINMENT VESSEL
OUTSIDE CONTAINMENT VESSEL
INSIDE CONTAINMENT VESSEL UNIT #2
FAN COIL UNIT
DECONTAMINATION PIT
MANIPULATOR CRANE RAILS
REAC HEAD VENT TO ATM DRAIN
REACTOR HEAD VENT TO ATM DRAIN
FAN FL. EL. 755 -0'
OPER. FL. EL. 735'-0"
FL. EL. 733'-9"
FLR. EL. 733'-9"
NEW FUEL FL. EL. 738'-7"
PIPE CHASE FL. EL. 726'-6"
FL. EL. 723'-3"
MEZZ. FL. EL. 720'-0"
MEZZ. FL EL 715'-0"
EL 711'-6"
GR. FL. EL. 695'-0"
FAN COIL COND. COLLECTING TK (TYP.)
MAIN STEAM RELIEF HDR. DRNS. 11 SG SEE NF-39339-5
TO TURB. BLDG. SUMP SEE B-9 THIS DWG.
MAIN STEAM RELIEF HDR. DRNS. 12 SG SEE NF-39339-5
MAIN STEAM RELIEF HDR. DRNS. 22 SG SEE NF-39339-5
TO TURBINE BLDG. SUMP UNIT 2
21 SG DRNS C-9 THIS DWG.
11 SG DRNS A-3 THIS DWG.
12 SG DRNS C-3 THIS DWG.
MAIN STEAM RELIEF HDR. DRNS. 21 SG SEE DWG. LR-39339-5
FROM LEAK DETECTION SEE DWG NF-39338-1
2" FROM LEAK DETECTION SEE DWG. NF-39338-1
REFUELING CANAL DRAIN SAMPLE
FAN COIL UNITS
OVERFLOW FROM #21 REFUELING WATER STORAGE TANK UNIT #2 SEE LR-39237
4" OVERFLOW FROM REACTOR WATER MAKE-UP TANKS #21 & 22 SEE LR-39242
VOLUME CONTROL TANK DRAIN @ EL 715'-0"
2" FROM CHARGING PUMPS LR-XH-1-39
SUMP TANK #121 AERATED SYST. SEE ORD & DWG. # NF-XH-1-67
OLD. 600 GAL (III/3) WSPWDATST
NEW. 300 GAL (III/3)
SUMP TANK #121 NON-AERATED SYSTEM SEE ORD & DWG. XH-372-6
TO ADT COLLECTION TANKS - SEE DWG. LR-39236
CONTAINMENT ISOLATION VALVES
RHR PIT BOUNDARY
R.H.R. PIT BOUNDARY
SHIELD WALL
RESIDUAL PIT SUMPS UNIT #1
RESIDUAL PIT SUMPS UNIT #2
LOW LEVEL RADWASTE ENCLOSURE SUMP
RESIN DISPOSAL BLDG. SUMP "B"
REACTOR CAVITY SUMP "C"
CONTAINMENT SUMP "A"
CONTAINMENT SUMP "B"
CHEMICAL DRAIN TANK WDATCD1 (III/3)
ALL PIPING TO BE QA TYPE III UNLESS OTHERWISE NOTED
DENOTES LIMITS OF Q A TYPES
IC, IIB, III DENOTES THE Q A TYPES
DENOTES FLOOR DRAIN & EQUIPMENT DRAIN SYSTEM
DENOTES WASTE DISPOSAL SYSTEM SHOWN ON DWG NO XH-1-123
LEGEND (CONT.)
V - DENOTES VENT
D - DENOTES DRAIN
P - DENOTES PURGE CONN.
(00) DENOTES CONTAINMENT PENETRATION NUMBER
DENOTES WESTINGHOUSE INSTR. NUMBER
1001 DENOTES PS&E INSTR. NUMBER
INSTR. MARKED W FURNISHED BY WESTINGHOUSE ALL OTHERS FURNISHED BY PURCHASER. REFER TO DWG. NF-39214 FOR LEGEND.
(III/3) DENOTES EQUIPMENT Q.A. TYPE / DESIGN CLASS
CAT I DENOTES CATEGORY I VENTILATION ZONE:
LR-SYSTEMS
WD - WASTE DISPOSAL
VC - CHEMICAL AND VOLUME CONTROL
CC - COMPONENT COOLING
SM - PLANT SAMPLE SYSTEM
RH - RESIDUAL HEAT REMOVAL
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
REVISIONS
0 DRAWN BY: JLB DATE: 6-20-07 PREPARED BY: RAB DATE: 6-20-07 REVIEWED BY: SRM DATE: 6-22-07
1 REVISED LINK DWG FROM LR TO NF, HIGHLIGHTED INSTRUMENT PRESSURE BOUNDARIES, HIGHLIGHTED IN SCOPE CNTM ISOL VLVS 31438 & 31439, REMOVED HIGHLIGHTS FROM OUT OF SCOPE PIPING, REVISED BOUNDARY FLAG, ENLARGED BOUNDARY FLAGS, HIGHLIGHTED (a)(2) CONTINUATION LINE, REVISED LR - SYSTEM LEGEND, HIGHLIGHTED VLV ACTUATOR FOR CV-31521 & CV-31839, REMOVED HIGHLIGHTS (NOT IN SCOPE) ANNULUS SUMP PUMPS, CNTM SUMP A PUMPS, & RHR SUMP PUMPS, & ASSOCIATED LEVEL ALARMS TOOK OUT OF SCOPE, AUX. BLDG SUMP PUMPS & ASSOCIATED PIPING & LEVEL ALARMS. DRAWN BY: JLB DATE: 12-7-07 PREPARED BY: WJI DATE: 12-7-07 REVIEWED BY: SRM DATE: 12-11-07
2 REVISED (a)(2) BOUNDARY TO INCLUDE WASTE HOLD-UP TK VENTLINE AND OVERFLOW. DRAWN BY: JLB DATE: 1-29-08 PREPARED BY: WJO DATE: 1-29-08 REVIEWED BY: SRM DATE: 2-1-08
REFERENCE NF-39248 REV. 77
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.
SIGNIFICANT NO. 8630 750/200 1/2 4410 1 8424
LICENSE RENEWAL BOUNDARY DWG FLOW DIAGRAM UNIT 1 & 2 AUX & REACTOR BUILDING FLOOR & EQUIPMENT DRAIN SYSTEMS
NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA
SCALE N/A REV 2
LR-39248
LR-39248.DGN NSP GENERATION CAD
D-057