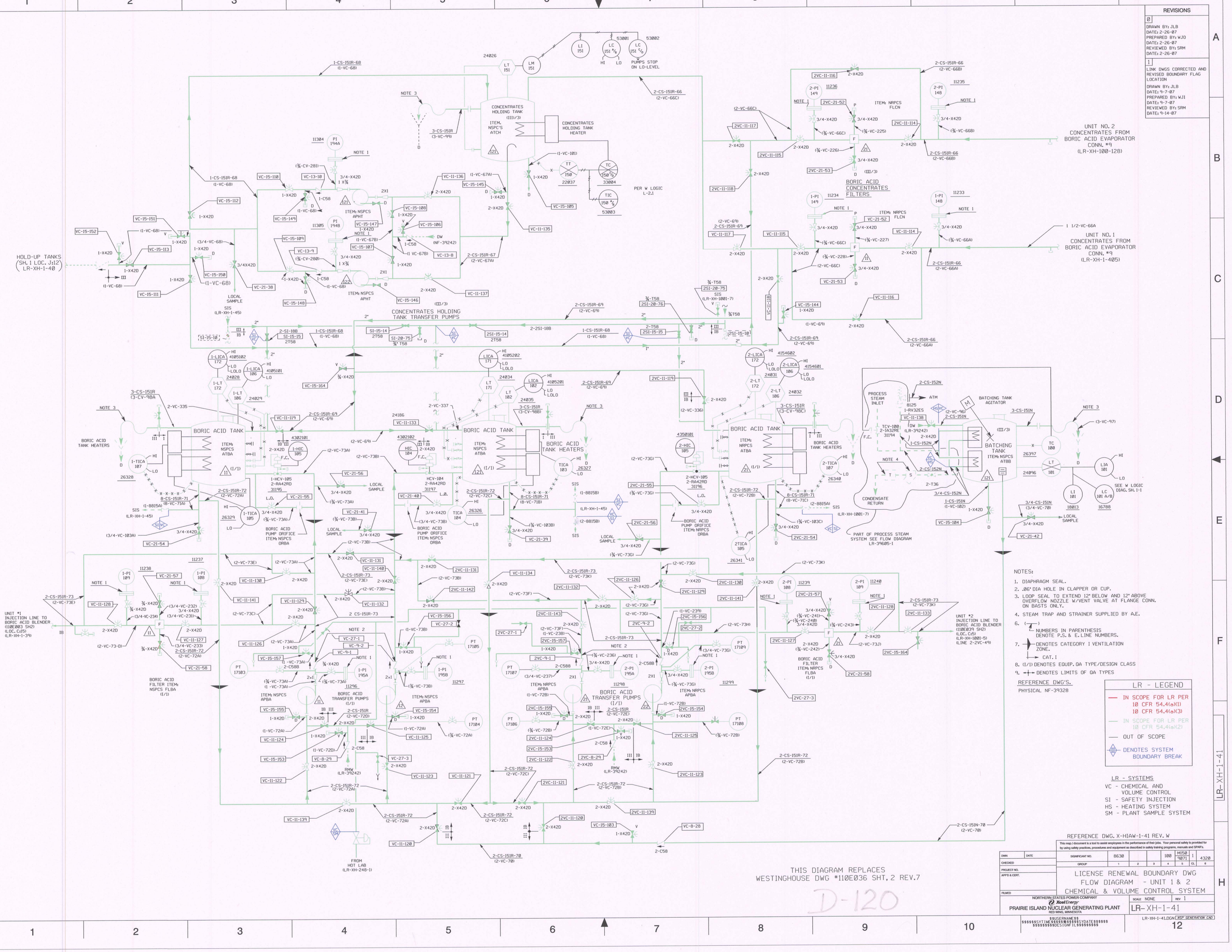
REVISIONS
0
DRAWN BY: JLB
DATE: 2-26-07
PREPARED BY: WJO
DATE: 2-26-07
REVIEWED BY: SRM
DATE: 2-26-07
1
LINK DWGS CORRECTED AND REVISED BOUNDARY FLAG LOCATION
DRAWN BY: JLB
DATE: 9-7-07
PREPARED BY: WJI
DATE: 9-7-07
REVIEWED BY: SRM
DATE: 9-14-07
HOLD-UP TANKS (SH. 1 LOC. J:12) LR-XH-1-40
CONCENTRATES HOLDING TANK (III)/3
ITEM: NSPC'S ATCH
CONCENTRATES HOLDING TANK HEATER
PUMPS STOP ON LO-LEVEL
PER W LOGIC L-2.1
UNIT NO. 2 CONCENTRATES FROM BORIC ACID EVAPORATOR CONN. #9 (LR-XH-100-128)
UNIT NO. 1 CONCENTRATES FROM BORIC ACID EVAPORATOR CONN. #9 (LR-XH-1-405)
BORIC ACID CONCENTRATES FILTERS
ITEM: NRPCS FLCN
ITEM: NSPCS APHT
LOCAL SAMPLE
SIS (LR-XH-1-45)
CONCENTRATES HOLDING TANK TRANSFER PUMPS
BORIC ACID TANK
BORIC ACID TANK HEATERS
ITEM: NSPCS ATBA
BORIC ACID PUMP ORIFICE ITEM: NSPCS ORBA
BORIC ACID FILTER ITEM: NSPCS FLBA (1/1)
BORIC ACID TRANSFER PUMPS (1/1)
ITEM: NRPCS APBA
BORIC ACID FILTER ITEM: NRPCS FLBA (1/1)
PROCESS STEAM INLET
BATCHING TANK AGITATOR
BATCHING TANK
ITEM: NSPCS ATBB
CONDENSATE RETURN
PART OF PROCESS STEAM SYSTEM SEE FLOW DIAGRAM LR-39605-1
SEE W LOGIC DIAG. SH. 1-1
UNIT *1 INJECTION LINE TO BORIC ACID BLENDER (110E003 SH2) (LOC. C:15) (LR-XH-1-39)
UNIT *2 INJECTION LINE TO BORIC ACID BLENDER (110E039 SHT. 1) (LOC. C:5) (LR-XH-100I-5) (LINE 2-VC-49)
FROM HOT LAB (LR-XH-248-1)
NOTES:
1. DIAPHRAGM SEAL.
2. .06" DIA HOLE IN CLAPPER OR CUP.
3. LOOP SEAL TO EXTEND 12" BELOW AND 12" ABOVE OVERFLOW NOZZLE W/VENT VALVE AT FLANGE CONN. ON BASTS ONLY.
4. STEAM TRAP AND STRAINER SUPPLIED BY A.E.
6. ( ) NUMBERS IN PARENTHESIS DENOTE P.S.& E. LINE NUMBERS.
7. DENOTES CATEGORY I VENTILATION ZONE. CAT. I
8. (1/1) DENOTES EQUIP. QA TYPE/DESIGN CLASS
9. DENOTES LIMITS OF QA TYPES
REFERENCE DWG'S.
PHYSICAL NF-39328
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
LR - SYSTEMS
VC - CHEMICAL AND VOLUME CONTROL
SI - SAFETY INJECTION
HS - HEATING SYSTEM
SM - PLANT SAMPLE SYSTEM
REFERENCE DWG. X-HIAW-1-41 REV. W
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 SPARS.
THIS DIAGRAM REPLACES WESTINGHOUSE DWG #110E036 SHT. 2 REV. 7
D-120
LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM - UNIT 1 & 2
CHEMICAL & VOLUME CONTROL SYSTEM
NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA
SCALE NONE
REV 1
LR-XH-1-41
LR-XH-1-41.DGN
LR-XH-1-41