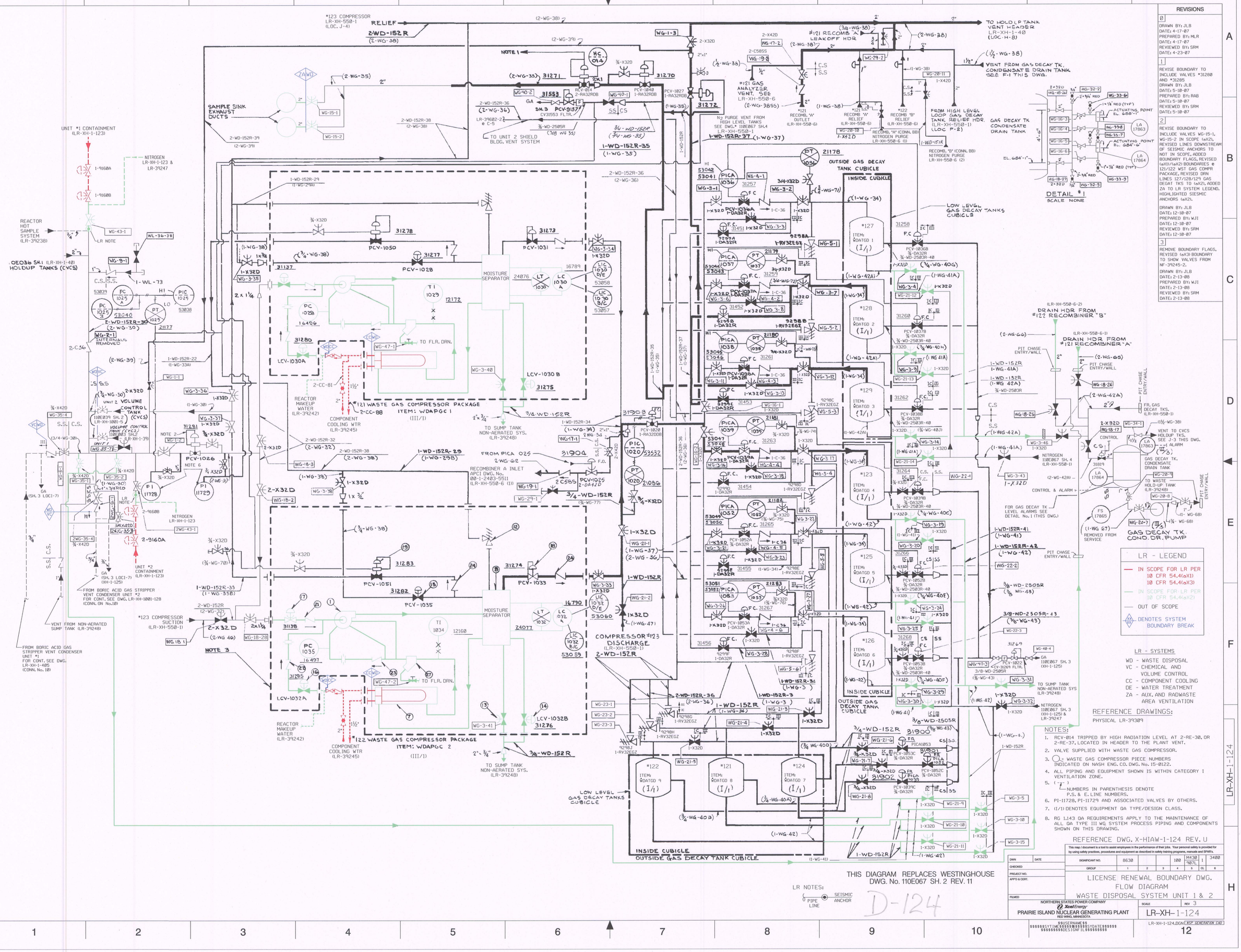
REVISIONS
0
DRAWN BY: JLB
DATE: 4-17-07
PREPARED BY: MLR
DATE: 4-17-07
REVIEWED BY: SRM
DATE: 4-23-07
1
REVISE BOUNDARY TO INCLUDE VALVES *31280 AND *31285
DRAWN BY: JLB
DATE: 5-10-07
PREPARED BY: RAB
DATE: 5-10-07
REVIEWED BY: SRM
DATE: 5-10-07
2
REVISE BOUNDARY TO INCLUDE VALVES WG-15-1, WG-15-2 IN SCOPE (a)(2), REVISED LINES DOWNSTREAM OF SEISMIC ANCHORS TO NOT IN SCOPE, ADDED BOUNDARY FLAGS, REVISED (a)(1)/(a)(2) BOUNDARIES @ 121/122 WST GAS COMPR PACKAGE, REVISED DRN LINES 127/128/129 GAS DEGAT TKS TO (a)(2), ADDED ZA TO LR SYSTEM LEGEND, HIGHLIGHTED SIESMIC ANCHORS (a)(2).
DRAWN BY: JLB
DATE: 12-10-07
PREPARED BY: WJI
DATE: 12-10-07
REVIEWED BY: SRM
DATE: 12-10-07
3
REMOVE BOUNDARY FLAGS, REVISED (a)(3) BOUNDARY TO SHOW VALVES FROM NF-39245-2.
DRAWN BY: JLB
DATE: 2-13-08
PREPARED BY: WJI
DATE: 2-13-08
REVIEWED BY: SRM
DATE: 2-13-08
*123 COMPRESSOR LR-XH-550-1 (LOC. J-4)
RELIEF 2-WD-152R (2-WG-38)
SAMPLE SINK EXHAUST DUCTS
UNIT *1 CONTAINMENT (LR-XH-1-123)
NITROGEN LR-XH-1-123 & LR-39247
REACTOR HOT SAMPLE SYSTEM (LR-39238)
OE036 SH.1 (LR-XH-1-40) HOLDUP TANKS (CVCS)
UNIT 2 VOLUME CONTROL TANK (CVCS)
UNIT 1 VOLUME CONTROL TANK (CVCS)
MOISTURE SEPARATOR
REACTOR MAKEUP WATER (LR-39242)
COMPONENT COOLING WTR (LR-39245)
*121 WASTE GAS COMPRESSOR PACKAGE ITEM: WDAPGC 1 (III/1)
*122 WASTE GAS COMPRESSOR PACKAGE ITEM: WDAPGC 2 (III/1)
TO SUMP TANK NON-AERATED SYS. (LR-39248)
FROM PICA 025 RECOMBINER A INLET APCI DWG. No. 00-1-2403-551 (LR-XH-550-6 (1))
TO UNIT 2 SHIELD BLDG. VENT SYSTEM
#121 GAS ANALYZER VENT, SEE LR-XH-550-6
#121 RECOMB 'A' LEAKOFF HDR
TO HOLD UP TANK VENT HEADER LR-XH-1-40 (LOC. H-8)
VENT FROM GAS DECAY TK. CONDENSATE DRAIN TANK SEE F-1 THIS DWG.
#121 RECOMB 'A' OUTLET (LR-XH-550-6)
#121 RECOMB 'A' RELIEF (LR-XH-550-6)
#122 RECOMB 'B' RELIEF (LR-XH-550-6)
FROM HIGH LEVEL LOOP GAS DECAY TANK RELIEF HDR. (LR-XH-550-1) (LOC F-2)
RECOMB. 'A' (CONN. BB) NITROGEN PURGE LR-XH-550-6 (1)
RECOMB. 'B' (CONN. BB) NITROGEN PURGE LR-XH-550-6 (2)
N2 PURGE VENT FROM HIGH LEVEL TANKS SEE DWG.# 110E067 SH.4 LR-XH-550-1
OUTSIDE GAS DECAY TANK CUBICLE
INSIDE CUBICLE
LOW LEVEL GAS DECAY TANKS CUBICLE
GAS DECAY TK CONDENSATE DRAIN TANK
DETAIL #1 SCALE NONE
DRAIN HDR FROM #122 RECOMBINER "B"
DRAIN HDR FROM #121 RECOMBINER "A"
GAS DECAY TK. CONDENSATE DRAIN TANK
VENT TO CVCS HOLDUP TKS. SEE J-3 THIS DWG.
GAS DECAY TK. CONDENSATE DRAIN TANK
TO WASTE HOLD-UP TANK (LR-39248)
GAS DECAY TK. COND. DR. PUMP
FOR GAS DECAY TK LEVEL ALARMS SEE DETAIL No. 1 (THIS DWG.)
REMOVED FROM SERVICE
NITROGEN 110E067 SH. 4 (LR-XH-550-1)
NITROGEN 110E067 SH. 3 (XH-1-125) & LR-39247
TO SUMP TANK NON-AERATED SYS (LR-39248)
FROM BORIC ACID GAS STRIPPER VENT CONDENSER UNIT *2 FOR CONT. SEE DWG. LR-XH-1001-128 (CONN. ON No.10)
FROM BORIC ACID GAS STRIPPER VENT CONDENSER UNIT *1 FOR CONT. SEE DWG. LR-XH-1-405 (CONN. No. 10)
VENT FROM NON-AERATED SUMP TANK (LR-39248)
UNIT *2 CONTAINMENT (LR-XH-1-123)
*123 COMPRESSOR SUCTION (LR-XH-550-1)
LR - LEGEND
IN SCOPE FOR LR PER 10 CFR 54.4(a)(1)
IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
OUT OF SCOPE
DENOTES SYSTEM BOUNDARY BREAK
LR - SYSTEMS
WD - WASTE DISPOSAL
VC - CHEMICAL AND VOLUME CONTROL
CC - COMPONENT COOLING
DE - WATER TREATMENT
ZA - AUX. AND RADWASTE AREA VENTILATION
REFERENCE DRAWINGS:
PHYSICAL LR-39309
NOTES:
1. RCV-014 TRIPPED BY HIGH RADIATION LEVEL AT 2-RE-30, OR 2-RE-37, LOCATED IN HEADER TO THE PLANT VENT.
2. VALVE SUPPLIED WITH WASTE GAS COMPRESSOR.
3. ○ = WASTE GAS COMPRESSOR PIECE NUMBERS INDICATED ON NASH ENG. CO. DWG. No. 15-0122.
4. ALL PIPING AND EQUIPMENT SHOWN IS WITHIN CATEGORY I VENTILATION ZONE.
5. (-) NUMBERS IN PARENTHESIS DENOTE P.S. & E. LINE NUMBERS.
6. PI-11728, PI-11729 AND ASSOCIATED VALVES BY OTHERS.
7. (I/1) DENOTES EQUIPMENT QA TYPE/DESIGN CLASS.
8. RG 1.143 QA REQUIREMENTS APPLY TO THE MAINTENANCE OF ALL QA TYPE III WG SYSTEM PROCESS PIPING AND COMPONENTS SHOWN ON THIS DRAWING.
LR NOTES:
PIPE LINE
SEISMIC ANCHOR
D-124
THIS DIAGRAM REPLACES WESTINGHOUSE DWG. No. 110E067 SH. 2 REV. 11
REFERENCE DWG. X-HIAW-1-124 REV. U
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 SPWI's.
DWN
CHECKED
PROJECT NO.
APP'D & CERT.
FILMED
DATE
SIGNIFICANT NO. 8630 100 M430 907L 1 3400
GROUP 1 2 3 4 5 QL 6
LICENSE RENEWAL BOUNDARY DWG. FLOW DIAGRAM
WASTE DISPOSAL SYSTEM UNIT 1 & 2
NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA
SCALE
REV 3
LR-XH-1-124
LR-XH-1-124.DGN
LR-XH-1-124