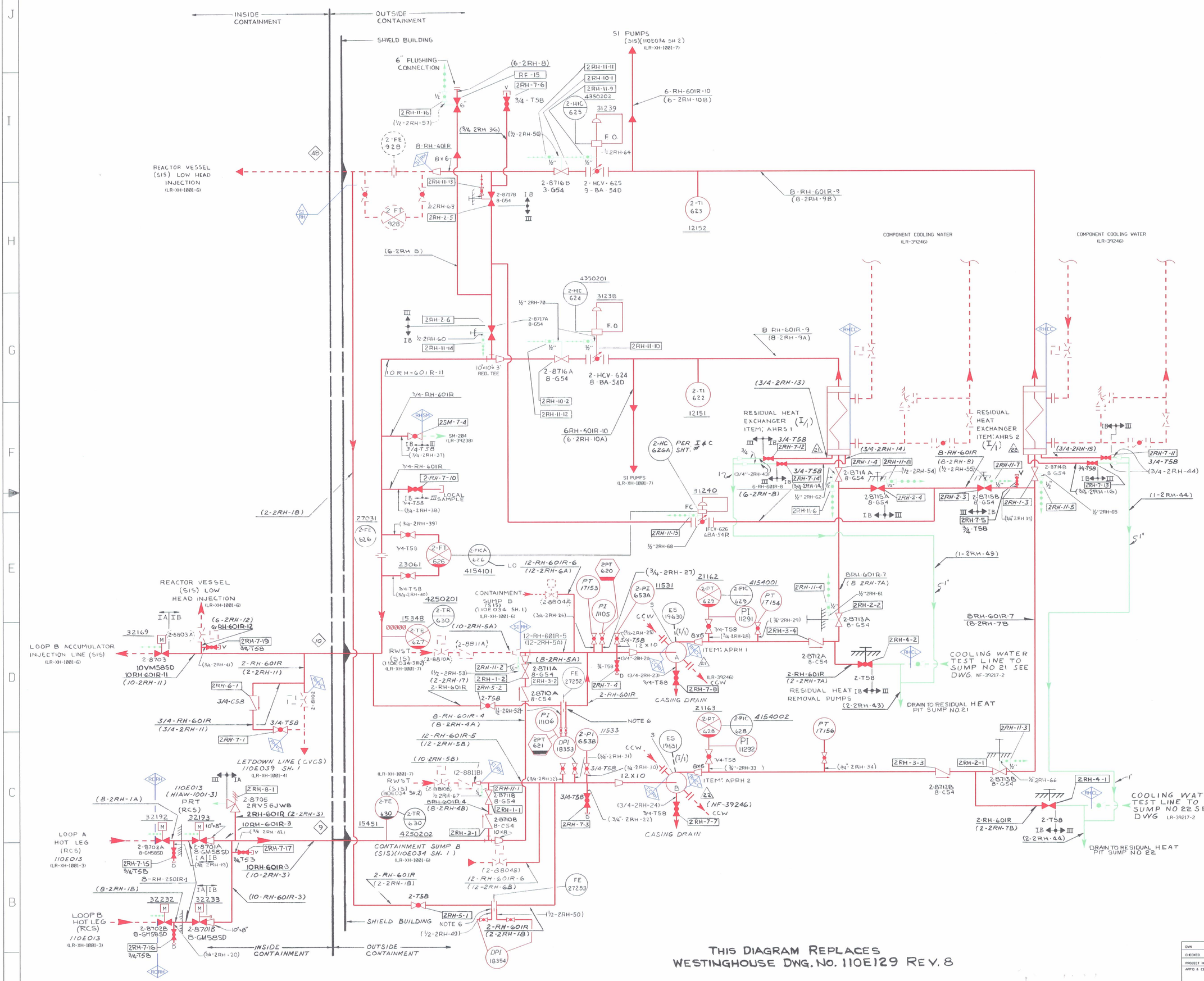

REVISIONS

0
DRAWN BY: JLB
DATE: 4-13-07
PREPARED BY: RAB
DATE: 4-13-07
REVIEWED BY: SRM
DATE: 4-17-07

1
ADD APPENDIX R & ADD SI/RH BOUNDARY
DRAWN BY: JLB
DATE: 6-13-07
PREPARED BY: RAB
DATE: 6-13-07
REVIEWED BY: SRM
DATE: 6-14-07

2
REVISED V/V STEM LEAK-OFFS TO (aX2), REVISED 2RH 8-1 LEAKOFF TO (aX2) AND HIGHLIGHTED PI-11106 & 2PT-621
DRAWN BY: JLB
DATE: 9-4-07
PREPARED BY: WJI
DATE: 9-4-07
REVIEWED BY: SRM
DATE: 9-14-07

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

RH - RESIDUAL HEAT REMOVAL
CC - COMPONENT COOLING
CL - COOLING WATER
SI - SAFETY INJECTION
RC - REACTOR COOLANT
VC - CHEMICAL AND VOLUME CONTROL
SM - PLANT SAMPLE SYSTEM

REFERENCE DRAWINGS:
1. LEGEND 110F015
2. LINE LIST 206C928

NOTES:
1. ALL ITEM NUMBERS INCLUDE PREFIX NSPAC.
2. ALL PIPE SHOWN SOLID ON THIS SHEET TO BE Q.A. TYPE IA.
3. FOR ROUTING OF VALVE STEM LEAKOFF (INSIDE CONTAINMENT) SEE DWG. NF-39250
4. DENOTES CATEGORY I VENTILATION ZONE — CAT. I
5. (I/1) DENOTES EQUIPMENT QA TYPE/DESIGN CLASS
6. ORIFICE SHOULD BE FIELD FABRICATED FROM A 1/8" THICK STAINLESS STEEL BLANK WITH 25/32 ± 1/64 DIA. HOLE DRILLED IN ITS CENTER
7. STEM LEAKOFF ROUTED TO COLLECTION TROUGH IN RESIDUAL HEAT PIT

REFERENCE DWG X-HIAW-1001-8 REV. P

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	J104 9070	1	4822
CHECKED		GROUP	1	2	3	4	5	CL	6
PROJECT NO.									
APP'D & CERT.									
FILMED									

LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM
RESIDUAL HEAT REMOVAL SYSTEM-UNIT 2

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

SCALE NONE | REV 2

LR-XH-1001-8

LR-XH-1001-8.DGN MSP GENERATION CAD