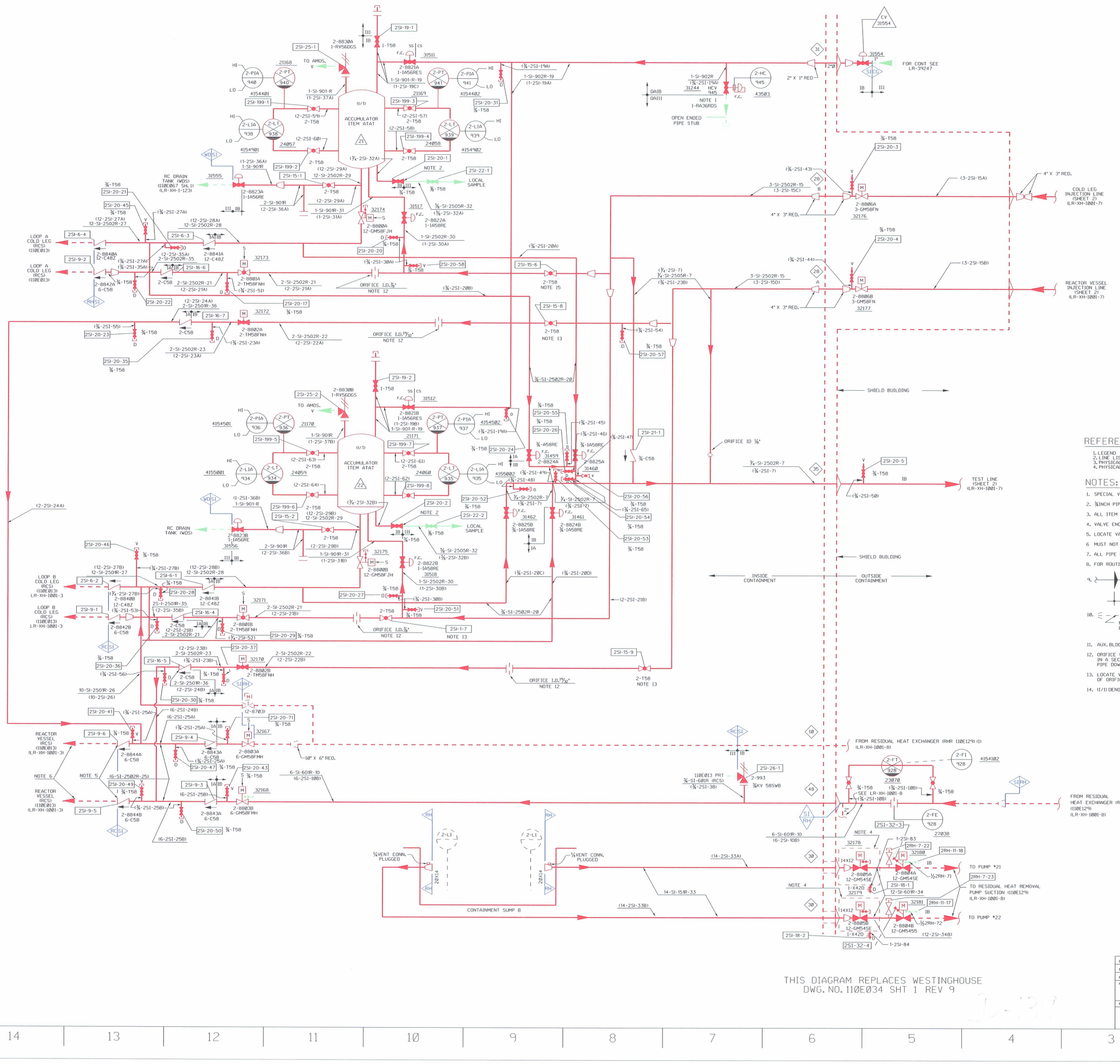

REFERENCE DRAWINGS:

1. LEGEND — 110E015
2. LINE LIST — 206C928
3. PHYSICAL AUX BLDG. — LR-39333, LR-39334, LR-39299-1
4. PHYSICAL REACTOR BLDG. — LR-39359 & LR-39364

NOTES:

1. SPECIAL VALVE FUNCTIONS AS BOTH ISOLATION AND RELIEF VALVE.
2. ¾INCH PIPE BY⅝TUBE INSERT
3. ALL ITEM NOS. INCLUDE PREFIX NRPZI.
4. VALVE ENCLOSURE BY ●
5. LOCATE VALVES 8844A & B NEAR REACTOR VESSEL NOZZLES.
6. MUST NOT BE ROUTED THROUGH REACTOR LOOP COMPARMENTS.
7. ALL PIPE ON THIS DRAWING Q.A. TYPE IA EXPECT WHERE NOTED.
8. FOR ROUTING OF VALVE STEM LEAKOFF (INSIDE CONTAINMENT) SEE DWG. LR-39250
9. ⟨2⟩ — —⟨2⟩ DENOTES CATEGORY I VENTILATION ZONE
10. CAT. I
10. NUMBERS IN PARENTHESIS DENOTE P.S. & E LINE NUMBERS.
11. AUX. BLDG. VALVE STEM LEAKOFFS ROUTED TO RESIDUAL PIT SUMP.
12. ORIFICE WILL BE FIELD FABRICATED AND SHOULD BE LOCATED IN A SECTION OF STRAIGHT PIPE WITH APPROX. 5'-0" OF STRAIGHT PIPE DOWNSTREAM OF ORIFICE.
13. LOCATE VALVE A MINIMUM OF 10 EQUIVALENT FEET OF PIPE UPSTREAM OF ORIFICE.
14. (I/I) DENOTES EQUIPMENT QA TYPE/DESIGN CLASS

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

RC - REACTOR COOLANT
SI - SAFETY INJECTION
RH - RESIDUAL HEAT REMOVAL
WD - WASTE DISPOSAL
CG - MISCELLANEOUS GAS

REFERENCE DRAWING XH-1001-6 REV 76

THIS DIAGRAM REPLACES WESTINGHOUSE DWG. NO. 110E034 SHT 1 REV 9

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		750	2	M110 9871	1	4320
CHECKED		GROUP	1	2	3	4	5	CL	6
PROJECT NO.									
APP'D & CERT.									
FILMED									

LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM
SAFETY INJECTION SYSTEM

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

SCALE NONE | REV 2

LR-XH-1001-6

LR-XH-1001-6.DG (WSP GENERATION CAD)

REVISIONS

0
DRAWN BY: JLB
DATE: 4-23-07
PREPARED BY: RAB
DATE: 4-23-07
REVIEWED BY: SRM
DATE: 4-23-07

1
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 VLV STEM LEAK-OFFS/RELIEF VLV DISCH TO (a)(2) AND REVISED BOUNDARY FLAG, REVISED ACCUMULATOR LOCAL SAMPLE LINES TO (a)(2) AND HIGHLIGHTED 2SI-32-3 & 2SI-32-4 TO (a)(1).
DRAWN BY: JLB
DATE: 9-5-07
PREPARED BY: WJD
DATE: 9-5-07
REVIEWED BY: SRM
DATE: 9-14-07