REVISIONS
0 DRAWN BY: JLB DATE: 2-22-07 PREPARED BY: RAB DATE: 2-22-07 REVIEWED BY: SRM DATE: 2-22-07
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-OFF TO (⅜)2, CONTINUATION LINES (ACCUMULATORS FOR LOCAL SAMPLE (⅜)2, AND REVISED DWG LINKS TO LR. DRAWN BY: JLB DATE: 9-5-07 PREPARED BY: WJO DATE: 9-5-07 REVIEWED BY: SRM DATE: 9-14-07

REFERENCE DRAWINGS

1 LEGEND (110E015) (X-HIAW-1-105)
2 LINE LIST (206C928) (X-HIAW-1-357)
3 PHYSICAL NF-39332, NF-39334 & NF 39239-1

NOTES

1 SPECIAL VALVE FUNCTIONS AS BOTH ISOLATION AND RELIEF VALVE
2 3/4 INCH PIPE 3/8 TUBE INSERT
3 ALL ITEM NOS INCLUDE PREFIX NSPSI
4 VALVE ENCLOSURE BY ⅜ (⅞)
5 LOCATE VALVES 3844A & B NEAR REACTOR VESSEL NOZZLES
6 MUST NOT BE ROUTED THROUGH REACTOR LOOP COMPARTMENTS
7 ALL PIPE ON THIS DRAWING O A TYPE IA EXCEPT WHERE NOTED
8 AUX BLDG VALVE STEM LEAK-OFFS ROUTED TO RESIDUAL PIT SUMP
9 FOR ROUTING OF VALVE STEM LEAK OFFS (INSIDE CONTAINMENT) SEE NF-39250
10 ⊢ DENOTES CATEGORY I VENTILATION ⊢ CAT I
11 (—) NUMBERS IN PARENTHESIS DENOTES PS/E LINE NUMBERS
12 ORIFICE WILL BE FIELD FABRICATED AND SHOULD BE LOCATED IN A SECTION OF STRAIGHT PIPE WITH APPROX 5' O' OF STRAIGHT PIPE DOWNSTREAM OF ORIFICE
13 LOCATE VALVE A MINIMUM OF 10 EQUIVALENT FT UPSTREAM OF ORIFICE
14. (I/1) 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
- XX/XX DENOTES SYSTEM BOUNDARY BREAK

LR - SYSTEMS

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

REFERENCE DWG. X-HIAW-1-44 REV. T

THIS DIAGRAM REPLACES WESTINGHOUSE DWG. NO. 110E033 SH. 1 REV. 11

D-121

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 SPAFs.

DWN	DATE	SIGNIFICANT NO.	8630			1	M110 9871 1
CHECKED		GROUP	1	2	3	4	5 CL 6
PROJECT NO.							
APP'D & CERT.							
FILMED							

LICENSE RENEWAL BOUNDRY DWG
FLOW DIAGRAM UNIT 1
SAFETY INJECTION SYSTEM

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

SCALE NONE | REV 2

LR-XH-1-44

LR-XH-1-44.DGN WSP GENERATION CAD