



FEED GAS
 NORMAL CASE - OPERATING RANGES
 PRESSURE + 40 TO 110 PSIG
 TEMP. + 40 TO 140° F
 FLOW + 0 TO 50 SCFM H₂ + N₂
 (68° F AT 14.7 PSIA)
 H₂ + 0 TO 10 VOL. % (DRY BASIS)
 H₂ + 100 TO 40 VOL. % (DRY BASIS)
 H₂O + SATURATED
 He + 0.8 TO 50X (DRY BASIS)

EFFLUENT GAS
 NORMAL CASE - OPERATING RANGES
 PRESSURE + 0 TO 20 PSIG
 TEMP. + 50 TO 140° F
 FLOW + 0 TO 4 VOL. % (DRY BASIS)
 H₂ + 100 TO 46 VOL. % (DRY BASIS)
 H₂O + SATURATED
 He + 0.8 TO 50X (DRY BASIS)

REVISIONS	
0	DRAWN BY: JLB DATE: 2-22-87 PREPARED BY: RAB DATE: 2-22-87 REVIEWED BY: SRH DATE: 2-22-87
1	ADDED BOUNDARY FLAG, ADDED DE TO LR-SYSTEMS LEGEND, HIGHLIGHTED 122 CATALYTIC H ₂ RECOMBINER HX TUBES (4x3) AND END BELLS (4x2) & HIGHLIGHTED DE CONTAMINATION LINE (4x2). DRAWN BY: JLB DATE: 10-24-87 PREPARED BY: MJI DATE: 10-24-87 REVIEWED BY: SRH DATE: 10-24-87
2	REVISED SCOPING BOUNDARY AND ADDED LR NOTE TO BRING WGT WITHIN SCOPING OF LICENSE RENEWAL. REVISED GRID COORDINATE DRAWN BY: JLB DATE: 5-15-89 PREPARED BY: SRH DATE: 6-23-89 REVIEWED BY: MJI DATE: 6-23-89

LR - NOTE
 1. THIS SKID MOUNTED PIPE AND TANK (PS-1) ARE WSLR FOR SEISMIC ANCHOR. THE ATTACHED VENTS AND BRANCH LINES ARE NOT REQUIRED TO SUPPORT THIS INTENDED FUNCTION.

LR - LEGEND
 - IN SCOPE FOR LR PER 10 CFR 54.4(a)(1)
 - IN SCOPE FOR LR PER 10 CFR 54.4(a)(3)
 - IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
 - OUT OF SCOPE
 DENOTES SYSTEM BOUNDARY BREAK

- NOTES:**
- A) RESPONSIBILITY AREA BY OTHERS
 - B) VALVE LEAK OFF
 - C) CONTROL PANEL
 - D) GAR GAS ANALYZER RACK
- E) RG 1143 GA REQUIREMENTS APPLY TO THE MAINTENANCE OF ALL GA TYPE III MG SYSTEM PROCESS PIPING AND COMPONENTS SHOWN ON THIS DRAWING.

ENGINEERING FLOWSHEET TITLE PAGE
 UNITS 1 & 2

REFERENCE DWG. X-HIAW-550-6-2 REV. 76

DATE	DATE	REVISION NO.	BY	CHKD	APP'D
11/95	11/95	1	JLB	JLB	JLB
11/95	11/95	2	JLB	JLB	JLB
11/95	11/95	3	JLB	JLB	JLB
11/95	11/95	4	JLB	JLB	JLB
11/95	11/95	5	JLB	JLB	JLB
11/95	11/95	6	JLB	JLB	JLB
11/95	11/95	7	JLB	JLB	JLB
11/95	11/95	8	JLB	JLB	JLB
11/95	11/95	9	JLB	JLB	JLB
11/95	11/95	10	JLB	JLB	JLB

LICENSE RENEWAL BOUNDARY DWG
 CATALYTIC HYDROGEN RECOMBINER-B (#122)
 SPIN NSP-GHRECA-01 (HIGH LEVEL)

NORTHERN STATES POWER COMPANY
 PRIMEVERE NUCLEAR GENERATING PLANT
 SCALE: NONE
 REV: 2
 LR-XH-550-6-2
 LR-XH-550-6-2.DWG

10-03