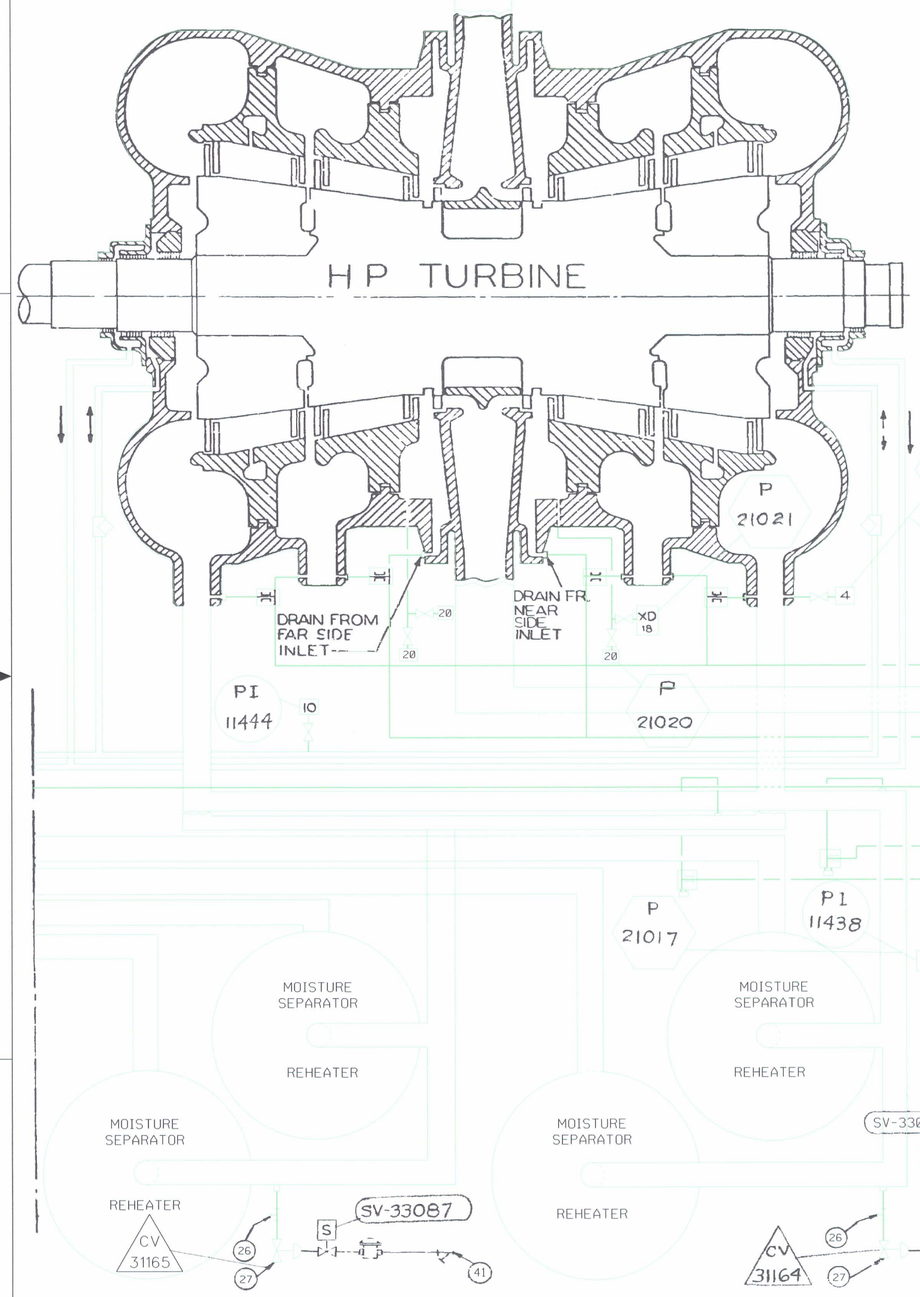

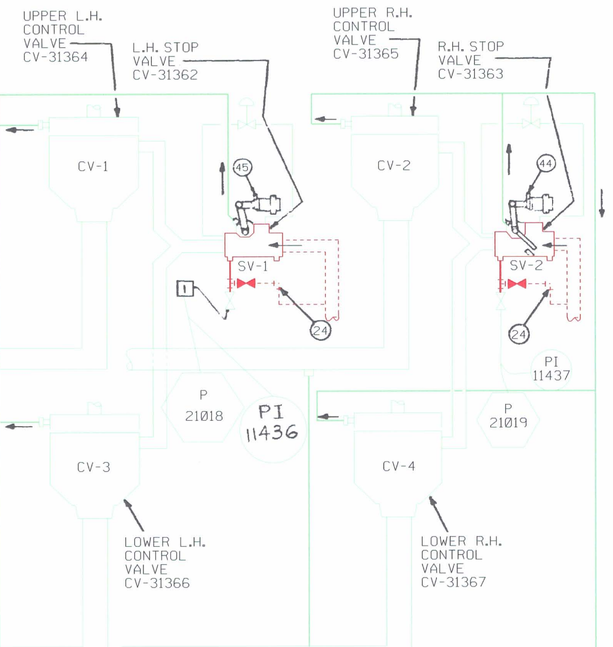

ORIFICE BLOCK
VALVE (NORMALLY OPEN)
VALVE (NORMALLY CLOSED)
MOTOR OPERATED VALVE
RELIEF VALVE
SWING CHECK VALVE
PNEUMATICALLY OPERATED VALVE
SOLENOID OPERATED VALVE
FIXED ORIFICE
FLOW ORIFICE WITH TEST CONN'S
FLOW NOZZLE WITH TEST CONN'S
STEAM STRAINER
TRAP
GAUGE CONNECTION
TEST GAUGE CONN
PURCHASER'S PIPE CONNECTION
PURCHASER'S PIPING
AIR LINE
PRESSURE REDUCING VALVE
CONTROL PILOT
PRESSURE SWITCH
TRIP PILOT VALVE
PRESSURE TRANSMITTER

VALVES IN GLAND STEAM SEAL SYSTEM (BY WESTINGHOUSE)

ITEM	NO. VLVS.	DESCRIPTION
A	2	STEAM SEAL SUPPLY SHUT-OFF VALVES
B	1	STEAM SEAL SUPPLY BY-PASS VALVES
C	2	SPILLOVER SHUT-OFF VALVES
D	1	SPILLOVER BY-PASS VALVES
F	1	RELIEF VALVES
G	1	SAFETY HEAD

XD TRANSDUCER
PR PRESSURE RECEIVER

NOTES

1- FOR ENCIRCLED NUMBERS (2) OR [20] SEE TURBINE OUTLINE SUPPLEMENT (PURCHASER'S PIPE CONNECTIONS)
2- REFER TO GLAND CONDENSER OUTLINE FOR LOCATION OF CONNECTIONS ON GLAND CONDENSER
3- FOR OPERATING PRESSURES TEMPERATURES & QUANTITIES OF STEAM FLOW AT PURCHASER'S CONNECTIONS IN GLAND STEAM SEAL SYSTEM. SEE TURBINE OUTLINE SUPPLEMENT PURCHASER'S PIPE CONNECTIONS DATA SHEET
4- REFER TO DRAIN VALVE (PNEU OPER) DWG 622C289

LR - SYSTEMS
TB - TURBINE AND SUPPORT SYSTEMS

WESTINGHOUSE ELECTRIC CORP.
VENDOR No. 719J856

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

REVISIONS

0	DRAWN BY: JLB DATE: 3-5-07 PREPARED BY: WJO DATE: 3-5-07 REVIEWED BY: SRM DATE: 3-5-07
1	ADDED (a)(3) LINES DRAWN BY: JLB DATE: 9-7-07 PREPARED BY: WJI DATE: 9-7-07 REVIEWED BY: SRM DATE: 9-14-07

REFERENCE XH-1002-43 REV. D

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
CHECKED	
PROJECT NO.	
APP'D & CERT.	
FILMED	

SIGNIFICANT NO.	8630			2	M430 9071	1	
GROUP	1	2	3	4	5	CL	6

LICENSE RENEWAL BOUNDARY DWG
STEAM DRAIN & GLAND
FLOW DIAGRAM

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

SCALE NONE | REV 1

LR-XH- 1002-43

LR-XH-1002-43.DGN NSP GENERATION CAD

$$$SUSPENDED$$$ $$$SYSTEMS$$$ $$$DATE$$$ $$$DESIGNATED$$$