| TURBINE CONN. Nº | LEGEND FOR STEAM PIPING DRAIN CONNECTIONS — DESCRIPTION | CONDENSER CONN. Nº |
|---|---|---|
| 21 | DRAIN FROM STEAM INLET PIPES | 34 |
| 22 | DRAIN FROM FIRST STAGE | 34 |
| 23 | DRAIN OUTER CYLINDER | 34 |
| 25 | DRAIN FROM GLAND STEAM SUPPLY VALVE HEADER | 35 |
| 27 | DRAIN FROM CROSS UNDER PIPE | 34 |
| 28 | LOW VACUUM TRIP | 36 |
| 30 | DRAIN FROM GLAND CONDENSER | — |
| 44 | STEAM LEAKOFF FROM PILOT VALVE ON STOP VALVE (R.H.) | 37 |
| 45 | STEAM LEAKOFF FROM PILOT VALVE ON STOP VALVE (L.H.) | 37 |
| 75 | SLOP DRAIN (WASTE OIL & WATER) - CAPPED | 38 |
| — | SPARES | 39 |
| — | STEAM TRAP DRAIN AIR EJECTOR | 40 |
| — | STEAM TRAP DRAIN MAIN STEAM | 41 |
| — | STEAM TRAP DRAIN AUX. STEAM | 42 |
| — | STEAM TRAP DRAIN BLEED STEAM | 43 |
| — | CONDENSATE RETURN FROM HEATING SYS. | 44 |
| 26 | DRAIN FROM CROSS UNDER PIPE MOISTURE SEPARATOR | — |
| 70 | ROTOR GLAND STEAM SPILLOVER | 39 |
| 36 | DRAIN FROM CYLINDER HEATING STEAM SUPPLY | — |
| 38 | DRAIN FROM CYLINDER HEATING STEAM SUPPLY | — |

REVISIONS

Ø — DRAWN BY: JLB; DATE: 3-13-07; PREPARED BY: WJO; DATE: 3-13-07; REVIEWED BY: SRM; DATE: 3-13-07

1 — ADD HI-LITE ON OPERATORS FOR CV-31645 & CV-31646. DRAWN BY: JLB; DATE: 3-23-07; PREPARED BY: WJO; DATE: 3-23-07; REVIEWED BY: SRM; DATE: 3-23-07

2 — CHANGED REFERENCE DWGS FROM LR TO NF, AND ADDED, CORRECTED, AND ENLARGED BOUNDARY FLAGS. DRAWN BY: JLB; DATE: 7-16-07; PREPARED BY: WJO; DATE: 7-16-07; REVIEWED BY: SRM; DATE: 7-23-07

3 — REVISED MS CONTINUATION LINES DOWNSTREAM OF MSIV'S TO (aN3) AND INCORPORATED REV. 76 DRAWN BY: JLB; DATE: 9-7-07; PREPARED BY: WJI; DATE: 9-7-07; REVIEWED BY: SRM; DATE: 9-14-07

LR - SYSTEMS

MS - MAIN STEAM
TB - TURBINE AND SUPPORT SYSTEMS
HS - HEATING SYSTEM
SM - PLANT SAMPLE SYSTEM
BL - BLEED STEAM
SB - STEAM GENERATOR BLOWDOWN

REFERENCE PIPING DWG. NO'S
SYSTEM: TURBINE & AUX BLDG. TRAPS & DRAINS
NF-39310-1
NF-39310-2
NF-39310-3
NF-98894
NF-39605-1

LEGEND
DENOTES FURNISHED BY WESTINGHOUSE CORP.
DENOTES STEAM TRAP
DENOTES LIMITS OF Q.A. TYPES
IA, IB, IIA, IIB & III — DENOTES THE PIPING Q.A. TYPES
(II/3)(III/3) — DENOTES THE EQUIPMENT Q.A. TYPE/DESIGN CLASS
CAT. I — DENOTES CATEGORY I VENTILATION ZONE
DENOTES TIE-IN TO EXISTING SYSTEM

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

REFERENCE DWG NF-39233 REV. 76

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 | | | ½ | | 1 | 5343 |
| CHECKED | | GROUP | 1 | 2 | 3 | 4 | 5 | CL | 6 |
| PROJECT NO. | | | | | | | 4410 | | |
| APPD & CERT. | | | | | | | | | |
| FILMED | | | | | | | | | |

LICENSE RENEWAL BOUNDARY DWG
FLOW DIAGRAM
TURBINE BUILDING TRAPS AND DRAINS

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

SCALE NONE | REV 3

LR-39233

LR-39233.DGN [WSP GENERATION CAD]