



| REVISIONS | | |
|-----------|------|-------------------------------------|
| REV | ZONE | DESCRIPTION |
| 8 | H-5 | REVISED TO INCORPORATE ECR 07-00005 |

| OPERATING DATA | | | | | |
|----------------|--------------|-----------------------------|------------|----|---|
| # | FLOW | PRESS PSIG | TEMP °F | BY | REMARKS |
| 1 | — | 2155 | <650 | SG | RCS LIQUID |
| 2 | 1GPM | 40 | 70 | SG | DEMIN WATER |
| 3 | 20 LITER/MIN | 30 MM HG ABSOLUTE TO 2 PSIG | 77 | SG | EXPANSION SECT SAMPLING |
| 4 | 13 SCFM | 2250 | 70 | SG | HIGH PRESS PURGING WITH NITROGEN |
| 5 | 13 SCFM | 15 | 70 | SG | LOW PRESS PURGING WITH NITROGEN (15 PSIG OR LESS) |
| 6 | (NOTE 7) | 5 | 70 | SG | LOW PRESS. STRIPPING OF SAMPLE WITH ARGON |

| DESIGN DATA | | | | | | | |
|-------------|----------------|-----|-------|----|------|----|--------------------------------------|
| # | NORMAL | | UPSET | | | BY | REMARKS |
| | PSIG | °F | PSIG | °F | TIME | | |
| 1 | 2500 | 650 | | | | SG | RCS LIQUID |
| 2 | 100 | 100 | | | | SG | DEMIN H ₂ O |
| 3 | -14.7 TO 25 | 150 | | | | SG | EXP SECT EVAC COND |
| 4 | ATMOS | 100 | | | | SG | DEMIN H ₂ O |
| 5 | 2250 | 70 | 2500 | 70 | | SG | HIGH PRESS PURGE W/N ₂ |
| 6 | 6000 | 70 | | | | SG | N ₂ BOTTLE |
| 7 | 10 | 70 | 25 | 70 | | SG | ARGON |
| | | | | | | | |

- NOTES
1. VALVE POSITIONS SHOWN FOR REFERENCE ONLY. ACTUAL POSITIONS CONTROLLED BY PROCEDURES.
 2. ALL INSTRUMENT TAG NUMBERS ARE PREFIXED BY SYSTEM DESIGNATOR UNLESS OTHERWISE NOTED.
 3. SET POINT VALUES FOR RELIEF VALVES TO BE FOUND IN THE APPLICABLE ENGINEERING SET POINT DATA BASE.
 4. PIPE AND TUBING MATERIAL TO BE IN ACCORDANCE WITH SP-60003-201 REV 2 AS FOLLOWS:
- | SYMBOL | LINE SPEC | WALL THK/SCH | SEISMIC CLASS |
|--------|----------------------|--------------|---------------|
| TUBING | ASME-SA213 GRADE 316 | .065 | II |
| PIPE | 150-2 | 40S | II |
| | 600-2 | 80S | II |
5. FITTINGS TO BE SCREWED-COMPRESSION TYPE-PARKER (PI) SWAGelok VALVE ENDS, RELIEF VALVE ENDS ARE THREADED.
 6. PRESSURE LIMITED BY RATING OF PRESS INSTR. DIAPHRAM SEAL.
 7. BUBBLE FLOW (FIELD ADJUST) MAX ARGON FLOW AVAILABLE AT 6PSIG IS 25 SCFM.
 8. * -DENOTES VALVE HANDWHEEL EXTENSIONS.

| | | |
|------------|-----------|---|
| 7 | 301-0301A | POST ACCIDENT REACTOR COOLANT SAMPLE HOOD DETAILS |
| 6 | 301-0311A | POST ACCIDENT REACTOR COOLANT SAMPLE HOOD BACKING PLATE DETAILS |
| 5 | 304-6791A | POST ACCIDENT REACTOR COOLANT SAMPLING HOOD PIPING |
| 4 | 304-6801A | POST ACCIDENT REACTOR COOLANT SAMPLING HOOD PIPING DETAILS |
| 3 | 302-003 | COMPONENT & SYS ID INDEX |
| 2 | 302-002 | INSTRUMENTATION SYMBOLS |
| 1 | 302-001 | SYMBOLS FLOW DIAGRAM |
| NO. | DWG. NO. | TITLE |
| REFERENCES | | |

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AmerGen

POST ACCIDENT REACTOR COOLANT SAMPLING FLOW DIAGRAM

MARK EVERLY 01/05/07
DATE
1-5-07
DATE
1-5-07
DATE
1-5-07
DATE
1-5-07

NO. 302-673 SHEET 8

SCALE: N/A

INTERFACING CONCURRENCE