



- NOTES:**
1. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS IS EXEMPT PER IWB 1228(a)(1) NC87.
  2. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS IS EXEMPT PER IWC 1222(a)(1) NC18, NC15, NC19, NC23.
  3. PIPING SHOWN IN BLUE IN THE FOLLOWING LINE LISTINGS IS EXEMPT PER IWD 1228(a)(1) NC17.

REFERENCE FLOW DIAGRAM  
MCFD-1553-02.01 REV. 3  
ERN:MC0099WB

| DESIGN PARAMETERS |            |           |             |       |          |
|-------------------|------------|-----------|-------------|-------|----------|
| LINE LISTING      | PIPE SPEC. | PRESSURE  | TEMPERATURE | CLASS | MATERIAL |
| GN4A              | PS 150.4   | 150 PSIG  | 120 F       | G     | CS       |
| NC07              | PS 2501.1  | 2485 PSIG | 650 F       | A     | SS       |
| NC09              | PS 2501.4  | 50 PSIG   | 400 F       | E     | SS       |
| NC10              | PS 2501.2  | 2485 PSIG | 650 F       | B     | SS       |
| NC14              | PS 601.4   | 500 PSIG  | 470 F       | E     | SS       |
| NC15              | PS 151.2   | 100 PSIG  | 350 F       | B     | SS       |
| NC16              | PS 151.4   | 100 PSIG  | 383 F       | E     | SS       |
| NC17              | PS 151.3   | 150 PSIG  | 200 F       | C     | SS       |
| NC18              | PS 151.4   | 150 PSIG  | 200 F       | E     | SS       |
| NC19              | PS 151.2   | 150 PSIG  | 250 F       | B     | SS       |
| NC20              | PS 151.4   | 150 PSIG  | 200 F       | E     | SS       |
| NC21              | PS 151.4   | 100 PSIG  | 200 F       | E     | SS       |
| NC22              | PS 151.4   | 150 PSIG  | 100 F       | E     | SS       |
| NC23              | PS 151.2   | 150 PSIG  | 250 F       | B     | SS       |
| NC24              | PS 151.4   | 150 PSIG  | 200 F       | E     | SS       |
| NC25              | PS 151.4   | 100 PSIG  | 200 F       | E     | SS       |
| NC26              | PS 151.4   | 50 PSIG   | 200 F       | E     | SS       |
| NC28              | PS 601.4   | 650 PSIG  | 500 F       | E     | SS       |
| WL01              | PS 151.4   | 100 PSIG  | 200 F       | E     | SS       |
| WL08              | PS 151.4   | 50 PSIG   | 200 F       | E     | SS       |

| LEGEND      |   |
|-------------|---|
| ISI CLASS 1 | — |
| ISI CLASS 2 | — |
| ISI CLASS 3 | — |
| ISI EXEMPT  | — |
| NON-ISI     | — |

THIS DRAWING IS FOR INSERVICE INSPECTION ONLY AND SHALL NOT BE USED FOR OTHER PURPOSES SUCH AS MAINTENANCE, MODIFICATION, OR REPAIRS. THIS DRAWING SHALL BE REVISED WHEN AS-BUILT CHANGES AFFECT THE INSERVICE INSPECTION BOUNDARIES AND DETAILS OF THE COMPONENTS/SYSTEMS SHOWN.

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|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <div>S-S-S</div> <div>STANDBY SHUTDOWN SYSTEM</div> |  |  |  |  |  |  |  |  |  | <div>QA CONDITION 1 AND 2</div> <div>DUKE POWER COMPANY</div> <div>MCGUIRE NUCLEAR STATION UNIT 1</div> <div>ASME SECTION XI</div> <div>INSERVICE INSPECTION NDE BOUNDARY OF</div> <div>REACTOR COOLANT SYSTEM</div> <div>(NC)</div> |  |  |  |  |  |  |  |  |  |
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