



- NOTES:
1. VALVE 2001-2008 INTERLOCKED WITH DIESEL STARTUP.
 2. VALVE 2001-2008 INTERLOCKED WITH EMERGENCY STOP.
 3. VALVE 2001-2008 INTERLOCKED WITH LOSS OF INSTRUMENT AIR.
 4. VALVE 2001-2008 INTERLOCKED TO OPEN ON EMERGENCY STOP.
 5. VALVE 2001-2008 INTERLOCKED TO CLOSE ON EMERGENCY STOP.
 6. INSULATE TO END OF AIR PRESSURE BOUNDARY.
 7. FLOW CONNECTION.
 8. CONSTRUCTION NOTE ON DRAWING.
 9. PUMPERS AND DRIVERS ARE STAINLESS STEEL VALVES.
 10. VALVE 2001-2008 MUST BE OPEN AT ALL TIMES FOR OPERABILITY OF EXCH.

ERN:CN00TOM

| LINE LISTING | PIPE SPEC. | PRESSURE | TEMPERATURE | CLASS | MATERIAL |
|--------------|------------|----------|-------------|---------|----------|
| 01 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 02 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 03 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 04 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 05 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 06 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 07 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 08 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 09 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 10 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 11 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 12 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 13 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 14 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 15 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |
| 16 | 1.5 | 200 PSI | 300 F | CLASS 1 | CS |

ANSTEC APERTURE CARD

MOD IN PROGRESS/SEE INTERIM AS-BUILT FOR MOD. CE-4000 REV. VWS

CN-2134

| DESIGN FLOW | | DESIGN PARAMETERS | |
|-------------|----------|-------------------|----------|
| NO. | FLOW | CLASS | MATERIAL |
| 01 | 12.5 GPM | CLASS 1 | CS |
| 02 | 12.5 GPM | CLASS 1 | CS |
| 03 | 12.5 GPM | CLASS 1 | CS |
| 04 | 12.5 GPM | CLASS 1 | CS |
| 05 | 12.5 GPM | CLASS 1 | CS |
| 06 | 12.5 GPM | CLASS 1 | CS |
| 07 | 12.5 GPM | CLASS 1 | CS |
| 08 | 12.5 GPM | CLASS 1 | CS |
| 09 | 12.5 GPM | CLASS 1 | CS |
| 10 | 12.5 GPM | CLASS 1 | CS |
| 11 | 12.5 GPM | CLASS 1 | CS |
| 12 | 12.5 GPM | CLASS 1 | CS |
| 13 | 12.5 GPM | CLASS 1 | CS |
| 14 | 12.5 GPM | CLASS 1 | CS |
| 15 | 12.5 GPM | CLASS 1 | CS |
| 16 | 12.5 GPM | CLASS 1 | CS |

| REVISIONS | | DESIGN PARAMETERS | |
|-----------|------|-------------------|----------|
| NO. | DATE | CLASS | MATERIAL |
| 01 | | CLASS 1 | CS |
| 02 | | CLASS 1 | CS |
| 03 | | CLASS 1 | CS |
| 04 | | CLASS 1 | CS |
| 05 | | CLASS 1 | CS |
| 06 | | CLASS 1 | CS |
| 07 | | CLASS 1 | CS |
| 08 | | CLASS 1 | CS |
| 09 | | CLASS 1 | CS |
| 10 | | CLASS 1 | CS |
| 11 | | CLASS 1 | CS |
| 12 | | CLASS 1 | CS |
| 13 | | CLASS 1 | CS |
| 14 | | CLASS 1 | CS |
| 15 | | CLASS 1 | CS |
| 16 | | CLASS 1 | CS |

| QA CONDITION 4 | | QA CONDITION 1 | |
|----------------|------|----------------|----------|
| NO. | DATE | CLASS | MATERIAL |
| 01 | | CLASS 1 | CS |
| 02 | | CLASS 1 | CS |
| 03 | | CLASS 1 | CS |
| 04 | | CLASS 1 | CS |
| 05 | | CLASS 1 | CS |
| 06 | | CLASS 1 | CS |
| 07 | | CLASS 1 | CS |
| 08 | | CLASS 1 | CS |
| 09 | | CLASS 1 | CS |
| 10 | | CLASS 1 | CS |
| 11 | | CLASS 1 | CS |
| 12 | | CLASS 1 | CS |
| 13 | | CLASS 1 | CS |
| 14 | | CLASS 1 | CS |
| 15 | | CLASS 1 | CS |
| 16 | | CLASS 1 | CS |

DUKE POWER COMPANY
CATARACT NUCLEAR STATION UNIT 2
FLOW DIAGRAM OF
NUCLEAR SERVICE WATER
SYSTEM (NSWS)

DESIGNED BY: DATE: CHECKED BY: DATE: DRAWN BY: DATE: SCALE: DWG. NO. CN-2574-2.5

PDR RIDS

9603190041

