



ITEM NUMBERS

003,012,001  
5/15/EM

- NOTES:
- THE GUIDELINES SUGGESTED IN SECTION 7 OF THE NSSI CHECKOUTS (SHEET MC-2570-1.1) SHOULD BE FOLLOWED ON PIPING IN THE SPENT FUEL POOL.
  - FUEL TRANSFER TIME ISolation VALVE.
  - LOCATE PIPES PENETRATING FUEL POOL 4 FEET BELOW WATER LEVEL.
  - LOCATE VALVE AT SAME LEVEL AS PIPE PENETRATION OF FUEL POOL AND AS CLOSE TO POOL WALL AS POSSIBLE.
  - TRANSVERSE TO 1/2" FEET FROM FUEL POOL WALL.
  - LOCATE 3 FEET BELOW WATER LEVEL.
  - LOCATE 1/2" BELOW WATER LEVEL.
  - LOCATE 1/2" BELOW WATER LEVEL.
  - VENT WELDS TO BE USED ONLY WHEN EXHAUSTING EQUIPMENT, DRAIN WELDS TO LIQUID WASTE SYSTEM WILL BE USED FOR REMOVAL OF WASTE.
  - CENTER LINE OF PIPES THROUGH FUEL POOL WILL AT LEAST 2 FEET BUT NOT MORE THAN 4 FEET BELOW WATER LEVEL.
  - NOISE CONNECTION TO BE USED DURING SPENT FUEL SHUTTING DOWN OPERATIONS.
  - SHUTTER VALVE WILL HAVE EIGHT 2" FLEXIBLE HOSE CONNECTIONS THAT WILL TERMINATE IN 4" REDUCERS. SEE MC-1111-06-14-00.
  - LOCATE VENT CLOSE TO CEILING AND VENTILATION EXHAUST DUCT (IF POSSIBLE).
  - UTILIZED 3/4" X 1/2" REDUCING INSERTS.
  - PLACE CONNECTION AS CLOSE AS POSSIBLE TO VALVE 2052.
  - VENTS AND DRAINING POINTS BY CONSTRUCTION FOR FUEL POOL WELLS.

- DESIGN PARAMETERS
- | LINE LISTING | SIZE    | TEMPERATURE | CLOSE | MATERIAL |
|--------------|---------|-------------|-------|----------|
| 01           | 20 PSIG | 200°F       | SS    | SS       |
| 02           | 15 PSIG | 200°F       | SS    | SS       |
| 03           | 15 PSIG | 200°F       | SS    | SS       |
| 04           | 15 PSIG | 200°F       | SS    | SS       |
| 05           | 15 PSIG | 200°F       | SS    | SS       |
| 06           | 15 PSIG | 200°F       | SS    | SS       |
| 07           | 15 PSIG | 200°F       | SS    | SS       |
| 08           | 15 PSIG | 200°F       | SS    | SS       |
| 09           | 15 PSIG | 200°F       | SS    | SS       |
| 10           | 15 PSIG | 200°F       | SS    | SS       |
| 11           | 15 PSIG | 200°F       | SS    | SS       |
| 12           | 15 PSIG | 200°F       | SS    | SS       |
| 13           | 15 PSIG | 200°F       | SS    | SS       |

- DESIGN PARAMETERS
- | LINE LISTING | SIZE    | TEMPERATURE | CLOSE | MATERIAL |
|--------------|---------|-------------|-------|----------|
| 14           | 15 PSIG | 200°F       | SS    | SS       |
| 15           | 15 PSIG | 200°F       | SS    | SS       |
| 16           | 15 PSIG | 200°F       | SS    | SS       |
| 17           | 15 PSIG | 200°F       | SS    | SS       |
| 18           | 15 PSIG | 200°F       | SS    | SS       |
| 19           | 15 PSIG | 200°F       | SS    | SS       |
| 20           | 15 PSIG | 200°F       | SS    | SS       |
| 21           | 15 PSIG | 200°F       | SS    | SS       |
| 22           | 15 PSIG | 200°F       | SS    | SS       |
| 23           | 15 PSIG | 200°F       | SS    | SS       |
| 24           | 15 PSIG | 200°F       | SS    | SS       |
| 25           | 15 PSIG | 200°F       | SS    | SS       |

- DESIGN PARAMETERS
- | LINE LISTING | SIZE    | TEMPERATURE | CLOSE | MATERIAL |
|--------------|---------|-------------|-------|----------|
| 26           | 15 PSIG | 200°F       | SS    | SS       |
| 27           | 15 PSIG | 200°F       | SS    | SS       |
| 28           | 15 PSIG | 200°F       | SS    | SS       |
| 29           | 15 PSIG | 200°F       | SS    | SS       |
| 30           | 15 PSIG | 200°F       | SS    | SS       |

- DESIGN PARAMETERS
- | LINE LISTING | SIZE    | TEMPERATURE | CLOSE | MATERIAL |
|--------------|---------|-------------|-------|----------|
| 31           | 15 PSIG | 200°F       | SS    | SS       |
| 32           | 15 PSIG | 200°F       | SS    | SS       |
| 33           | 15 PSIG | 200°F       | SS    | SS       |
| 34           | 15 PSIG | 200°F       | SS    | SS       |
| 35           | 15 PSIG | 200°F       | SS    | SS       |

NO.	REVISIONS	DATE	BY	CHKD	APPD	DATE
1	REV. PER CODE 2					
2	REV. PER CODE 3					
3	REV. PER CODE 4					
4	REV. PER CODE 5					
5	REV. PER CODE 6					
6	REV. PER CODE 7					
7	REV. PER CODE 8					
8	REV. PER CODE 9					
9	REV. PER CODE 10					
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95	REV. PER CODE 96					
96	REV. PER CODE 97					
97	REV. PER CODE 98					
98	REV. PER CODE 99					
99	REV. PER CODE 100					

QA CONDITION 2  
QA CONDITION 1

DUKE POWER COMPANY  
NUCLEAR STATION UNIT 2

FLOW DIAGRAM OF  
SPENT FUEL  
COOLING SYSTEM  
(SFS)

SI APERTURE CARD

FOR INFORMATION ONLY

CL 3 H400  
SHT 1



8904060531

PDR RIDS

