



DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
83	2501.2	2500 PSIA	600°F	B	SS
85	2501.1	2500 PSIA	600°F	A	SS
87	2501.1	2500 PSIA	600°F	B	SS
88	2501.4	2500 PSIA	600°F	B	SS
11	151.4	115 PSIA	340°F	E	SS
12	151.4	115 PSIA	210°F	B	SS
13	151.4	105 PSIA	130°F	B	SS
14	151.4	115 PSIA	340°F	B	SS
15	151.4	115 PSIA	340°F	B	SS
21	151.4	105 PSIA	400°F	E	SS
22	151.4	105 PSIA	280°F	E	SS
23	2501.4	2500 PSIA	300°F	E	SS
86	2701.4	115 PSIA	340°F	B	SS
27	2501.4	2500 PSIA	600°F	D	SS
28	2501.4	2500 PSIA	600°F	B	SS
29	2501.4	2500 PSIA	600°F	B	SS
30	2501.4	2500 PSIA	600°F	F	SS
31	2501.4	2500 PSIA	600°F	F	SS

NOTES:

- VENT HOLE PROVIDED.
- SLOPE SPRAY PIPE DOWNWARD TO PROVIDE WATER SEAL BETWEEN PRESSURIZER AND SPRAY VALVES.
- PLACE DETECTORS AT BOTTOM OF PIPE (STOP-OFF VALVE FURNISHED FROM INSTRUMENTATION STOCK 4275).
- VALVE FURNISHED FROM INSTRUMENTATION STOCK 4275.
- LOCATED APPROX. MIDWAY BETWEEN LOOP AND PRESSURIZER.
- DISK TO PREVENT FLOW TO PRT HEATER LINE TO BE MACHINED TO FIT. LOCATE DISK AS CLOSE AS POSSIBLE TO PRT.
- SAFETY HEAD PIPE DISKS WILL RELIEVE AT 100PSIG.
- DISK SHOWN TO BE WITH SEPTUM.
- HOSE CONNECTION.
- PROVIDE 3/4" FLOW RESTRICTION AS NOTED ON DWG. CN-1201-03-1.
- VALVE HAS POWER REMOVED DURING NORMAL OPERATION.
- A TEMPORARY CONNECTION BETWEEN THIS DISK CONNECT AND HIGH POINT VENT VALVE LINE CAN PROVIDE PATH TO DISCHARGE RADIOACTIVE GAS TO CONTAINMENT FROM WG SYSTEM AT IN-2. LIVE EVENT.
- CONNECTION NOT TO BE DRAINED.
- VALVE ALSO RECEIVES POWER FROM SSP.
- INCL. BENT PIPE LINE TO BE SLOPED TO ALLOW CONDENSATE DRAINAGE BACK TO PRT AND SHALL CONTAIN NO VERTICAL STRESS LOOPS OR LOW POINTS.
- VALVE HANDWHEEL TO BE ACCESSIBLE FROM EXISTING PLATFORM AND VALVE LEVER/STAMP-OFF TO BE PLUGGED.
- FRAMED FOR TEMPORARY CONNECTION OF VC VACUUM SYSTEM SKID.
- OPTION. STAMP-OFF INCL. ON THE INCL. SURFACE MONITORING EQUIPMENT TO BE INSTALLED ON THE INCL. SURFACE FOR TEMPORARY TEMPERATURE MEASUREMENT. EQUIPMENT MUST PROVIDE INSTRUCTION FOR INSTALLATION.

QA CONDITION 4  
QA CONDITION 2  
QA CONDITION 1

DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION UNIT 1  
FLOW DIAGRAM OF  
REACTOR COOLANT SYSTEM  
(NC)

18 REV PER CE-9726 IMP. DATE 5-21-99 VDC  
2181 ORIGINAL DRAWING RETIRED VDC  
2182 ORIGINAL DRAWING RETIRED VDC  
2183 ORIGINAL DRAWING RETIRED VDC

NO. REVISIONS  
DWG. DATE CHG. DATE APPR. DATE CIVIL ELEC. INCK. SCALE DWG. NO. CN-1553-1.1

D-09