



- NOTES:
1. VALVE FAILS WITH FLOW TO VOLANS CONTROL TANK.
 2. SPRING LOADED CHECK VALVE. (SET FOR 288 PSI DIFFERENTIAL).
 3. 3-WAY VALVE MUST BE ORIENTED IN PIPING AS SHOWN ON FLOW DIAGRAM.
 4. PRESSURIZER LOW LEVEL SIGNAL CLOSURES THESE VALVES.
 5. CONSTRUCTION VENT ON DRAIN.
 6. HIGH POINT OF PIPING.
 7. LOW POINT OF PIPING.
 8. TANK POWERED BY STANDBY SHUTDOWN FACILITY DIESEL.
 9. REF. DESIGN ENCL. POWER PIPING SECTION, EJA NO. 095-20-21.
 10. 2WV11 TO BE LOCATED AT LEAST 20 FEET DOWNSTREAM OF LETOON OFFICE.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC	PRESSURE	TEMPERATURE	CLASS	MATERIAL
81	2581.2	2788 PSIA	225°F	B	15
82	2581.2	2500 PSIA	225°F	B	15
83	2581.2	2500 PSIA	225°F	B	15
84	2581.4	2500 PSIA	225°F	B	15
85	2581.4	2500 PSIA	225°F	B	15
86	2581.4	2500 PSIA	225°F	B	15
87	2581.4	2500 PSIA	225°F	B	15
88	2581.4	2500 PSIA	225°F	B	15
89	2581.4	2500 PSIA	225°F	B	15
90	2581.4	2500 PSIA	225°F	B	15
91	2581.4	2500 PSIA	225°F	B	15
92	2581.4	2500 PSIA	225°F	B	15
93	2581.4	2500 PSIA	225°F	B	15
94	2581.4	2500 PSIA	225°F	B	15
95	2581.4	2500 PSIA	225°F	B	15
96	2581.4	2500 PSIA	225°F	B	15
97	2581.4	2500 PSIA	225°F	B	15
98	2581.4	2500 PSIA	225°F	B	15
99	2581.4	2500 PSIA	225°F	B	15
100	2581.4	2500 PSIA	225°F	B	15

DESIGN PLAN

NO.	FLOW
81	50 GPM
82	75 GPM
83	75 GPM
84	12 GPM
85	79 GPM
86	45 GPM
87	45 GPM

NO.	REV.	DATE	CHG.	DATE	APPN.	DATE	CHKD.	DATE	APPN.	DATE
10	REV. PER CC-58184 S. CL. 4537	8/17/77	JCS	8/18/77	7704N	8/18/77	APC	8/18/77	APC	8/18/77
9	REV. PER NSM CN-28634/288-1-311	8/17/77	JCS	8/18/77	7704N	8/18/77	APC	8/18/77	APC	8/18/77
8	REV. PER VVA CE-1163 & PER NSM	8/17/77	JCS	8/18/77	7704N	8/18/77	APC	8/18/77	APC	8/18/77
7	REV. PER VVA CE-1163 & PER NSM	8/17/77	JCS	8/18/77	7704N	8/18/77	APC	8/18/77	APC	8/18/77

ANSTEC APERTURE CARD

QA CONDITION 2
QA CONDITION 1

DUKE POWER COMPANY
CATAWBA NUCLEAR STATION UNIT 2
FLOW DIAGRAM OF
CHEMICAL & VOLUME CONTROL
SYSTEM (NVI)

ORIGIN: DRAWING RETIRED

NO. _____

DATE _____

CHKD. _____

DATE _____

APPN. _____

DATE _____

CHKD. _____

DATE _____

APPN. _____

DATE _____

DWG. NO. CN-2554-1.0

ERN:CN001EL

PDR RIDS

9603180009

