



- NOTES:
1. TEMPORARY STRAINERS ARE PROVIDED FOR INITIAL FLUSH OF THE SYSTEM AND REMOVED FOR NORMAL OPERATION.
 2. SAMPLE LINE AND VALVES SHOULD BE PLACED FOR EASY ACCESS TO OPERATOR.
 3. HIGH POINT VENTS AND LOW POINT DRAINAGE SHOULD BE PROVIDED.
 4. LOCATE VALVE CLOSE TO CHEMICAL FEEDER.
 5. CLASS C WELDS OCCUR AT FIRST WELD FROM ORIFICE. BOTH FLANGES MUST BE CLASS C.
 6. NO WELD INSULATOR REQUIRED.
 7. VALVES ARE NORMALLY CLOSED TO ISOLATE NON-SAFETY PORTION OF SYSTEM.
 8. CLOSE ON 50% LOW-LOW AC SUPPLY TANK LEVEL OR LOW-LEVEL FOLLOWING IN 5s.

ERN:CN000162

DESIGN FLOW

NO	FLOW
01	3150 GPM
02	4100 GPM
03	6880 GPM
04	1100 GPM
05	5075 GPM
06	16,000 GPM
23	1,740 GPM

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
01	156.3	150 PSIA	280°F	C	C3
02	151.1	150 PSIA	280°F	C	C3
03	151.1	150 PSIA	280°F	C	C3
04	156.3	150 PSIA	280°F	C	C3
05	156.3	150 PSIA	280°F	C	C3
06	156.3	150 PSIA	280°F	C	C3
23	2781.4	150 PSIA	280°F	E	ST

REVISIONS

NO.	REV.	DATE	BY	CHKD.	APPD.	DATE	REASON
16	REV. PER CNPR-06014						
15	REV. PER CNPR-05751						
14	REV. PER NSM WCN-20824/00						
13	REV. PER NSM WCN-20811/00 (6-24-91)						
12	REV. PER NSM WCN-20834/00						
11	REV. PER SPR CNPR-04304						

QA CONDITION 2
QA CONDITION 1

DUKE POWER COMPANY
CATARAUGUS NUCLEAR STATION UNIT 3

FLOW DIAGRAM OF
COMPONENT COOLING
SYSTEM (ACT)

DESIGNED BY: DATE: 10/22/78
DRAWN BY: DATE: 8-28-78
CHECKED BY: DATE: 8-28-78
SCALE: 1"=10'-0"

DATE: 8-28-78
DATE: 8-28-78
DATE: 8-28-78

DWG. NO. CN-2573-1.0

ANSTEC
APERTURE
CARD

FOR MOD. CE-4089 REV. VN'S

LEG. PER: FULL SIZE ONLY

PDR RIDS

96103190019

