SYSTEM DATA					
#	GPM	HEAD	°F •	ΔP	REMARKS
1	177,700	-38'	77	-	PRESSURE VARIES WITH LAKE LEVEL CHANGES
2	258,000	-32'	77	-22'	
3	5,700	-32'	77	-21'	
4	2,000	-36'	77	-	-
5	5,000	-38'	77	-	-
6	10	35 PSIG	77	-	-
7	1	5 PSIG	77	-	-
8	50	150'	77	-	-
9	(3)	-38'	77	-	-
10	(3.5)	-	77	-	-
11	454	32'	77	-	-
12	5	-38'	77	-	-
13	5.5	-	77	-	-

•DESIGN INLET TEMPERATURE

HYDROSTATIC TEST TEMP - 60° F									
4	17	77	35	110	<1%	55	IN		
3	100	77	150	85	<1%	150	RK		
2	17	77	35	85	<1%	55	RK		
1	87	77	130	85	<1%	-	RK		
#	PSIG	°F	PSIG	°F	DURA.	HT-DRD	BY	CKD	REMARKS
	NORMAL		UPSET						
DESIGN DATA									

NOTE:
1. PIPING SPEC. AS NOTED.
2. ALL PIPING TO BE NON-NUCLEAR SAFETY CLASS.
3. LS4051 CONTROLS AND ALARMS REMOVED. ASSOCIATED CIRCUITRY SPARED. LS4051 ABANDONED IN PLACE REF. ECR-50398.
4. COMPONENTS WERE REPLACED WITH STAINLESS STEEL PER SFR-3839 AND SFR-3854.
5. BOTTOM OF 4" CAP AT ELEV. 445'-0".
6. THE FOLLOWING COMPONENTS ARE REMOVABLE. INSTALL BLIND FLANGE AS REQUIRED: REF. ECR50875.
   A. XVG09800-CW
   B. XVA09801-CW
   C. XEJ0100-CW
   D. 24" STANDPIPE
7. CURED-IN-PLACE LINER INSTALLED PER NC-19-03133.

ESSENTIAL

DRAWING LEGIBILITY: CLASS 1
SCE&G CAD ENHANCED

FSAR Figure 10.4-5

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING SYSTEM FLOW DIAGRAM
CIRCULATING WATER COOLING
DESIGN ENGINEERING

NO.	DATE	BY	REVISION	CKD. BY	APPROVAL
40	05/01/2016	JTS	REVISED PER ECR-50875	RHM	AME
39	05/5/14	DDJ	REVISED PER ECR50875	RHM	AME
38	11/9/12	DDJ	REVISED PER ECR50854	RHM	GM
37	12/10/09	RHM	REVISED PER ECR-50617	MGR	WTW
42	10/5/2020	CMS	REVISED PER VC-20-00007/VC-20-00007-001	chk	NLY
41	10/30/2019	CMS	REVISED PER ECR-72598	chk	GFK

MADE: JTS | CHECKED: MGR | LE APPROVAL: GPP

SCALE: NO SCALE | LE APPROVAL | D-302-201 DRAWING NUMBER | 42 SHT. NUMBER REV