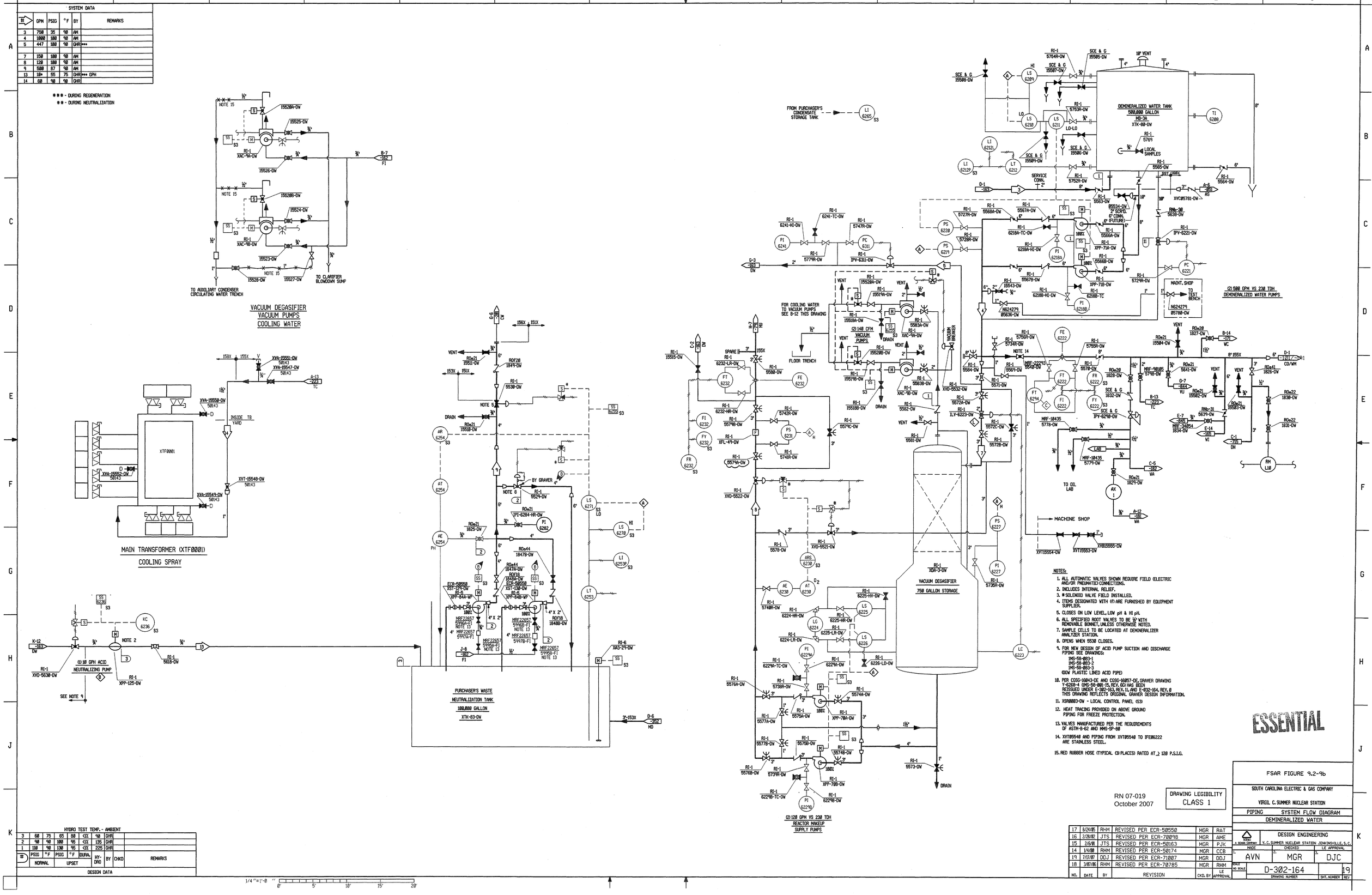

SYSTEM DATA

#	GPM	PSIG	°F	BY	REMARKS
3	750	35	90	AM	
4	1000	100	90	AM	
5	447	100	90	GHR	***
7	150	100	90	AM	
8	120	100	90	AM	
9	500	87	90	AM	
13	10*	55	75	GHR	*** GPH
14	60	90	90	GHR	

*** - DURING REGENERATION
** - DURING NEUTRALIZATION

HYDRO TEST TEMP. - AMBIENT

#	PSIG	°F	PSIG	°F	DURA.	HY-DRO	BY	CHKD	REMARKS
	NORMAL		UPSET						
3	60	75	65	80	<1%	90	GHR		
2	90	90	100	95	<1%	135	GHR		
1	110	90	130	95	<1%	225	GHR		

DESIGN DATA

NOTES:

1. ALL AUTOMATIC VALVES SHOWN REQUIRE FIELD (ELECTRIC AND/OR PNEUMATIC) CONNECTIONS.
2. INCLUDES INTERNAL RELIEF.
3. * SOLENOID VALVE FIELD INSTALLED.
4. ITEMS DESIGNATED WITH (F) ARE FURNISHED BY EQUIPMENT SUPPLIER.
5. CLOSES ON LOW LEVEL, LOW pH & HI pH.
6. ALL SPECIFIED ROOT VALVES TO BE ½" WITH REMOVABLE BONNET, UNLESS OTHERWISE NOTED.
7. SAMPLE CELLS TO BE LOCATED AT DEMINERALIZER ANALYZER STATION.
8. OPENS WHEN 5530 CLOSES.
9. FOR NEW DESIGN OF ACID PUMP SUCTION AND DISCHARGE PIPING SEE DRAWINGS:
   IMS-58-083-1
   IMS-58-083-2
   IMS-58-083-3
   (DOW PLASTIC LINED ACID PIPE)
10. PER CGSG-16043-DE AND CGSG-16057-DE, GRAVER DRAWING Y-6268-4 (IMS-58-001-15, REV. 6G) HAS BEEN REISSUED UNDER E-302-163, REV. 11, AND E-032-164, REV. 0 THIS DRAWING REFLECTS ORIGINAL GRAVER DESIGN INFORMATION.
11. XSR0003-DW - LOCAL CONTROL PANEL (S3)
12. HEAT TRACING PROVIDED ON ABOVE GROUND PIPING FOR FREEZE PROTECTION.
13. VALVES MANUFACTURED PER THE REQUIREMENTS OF ASTM-B-62 AND MMS-SP-80
14. XVT05540 AND PIPING FROM XVT05540 TO IFE06222 ARE STAINLESS STEEL.
15. RED RUBBER HOSE (TYPICAL (3) PLACES) RATED AT ≥ 120 P.S.I.G.

ESSENTIAL

RN 07-019
October 2007

DRAWING LEGIBILITY
CLASS 1

FSAR FIGURE 9.2-9b

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

PIPING SYSTEM FLOW DIAGRAM
DEMINERALIZED WATER

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
17	8/24/05	RHM	REVISED PER ECR-50550	MGR	RAT
16	2/28/02	JTS	REVISED PER ECR-70098	MGR	AME
15	2/6/01	JTS	REVISED PER ECR-50163	MGR	PJK
14	1/4/00	RHM	REVISED PER ECR-50174	MGR	CCB
19	7/17/07	DDJ	REVISED PER ECR-71007	MGR	DDJ
18	3/07/06	RHM	REVISED PER ECR-70785	MGR	RHM

DESIGN ENGINEERING
V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S. C.

MADE	CHECKED	LE APPROVAL
1. AVN	2. MGR	3. DJC

SCALE NO SCALE
D-302-164
DRAWING NUMBER
SHT. NUMBER
REV 19