



- NOTES:
- THIS DRAWING IS BASED UPON DWG. 114E077, SHEET 5 OF 6, REVISION 14 (BASE DRAWING) OF WESTINGHOUSE ELECTRIC CORPORATION, NUCLEAR ENERGY SYSTEMS, PITTSBURGH, PA WHO IS SOLELY RESPONSIBLE FOR THE ACCURACY OR THE RELIABILITY OF THE DESIGN INFORMATION SET FORTH IN THE BASE DRAWING.
 - FOR ALPHA REFERENCES, SEE DWG. E-302-002, FLOW DIAGRAM LEGEND.
 - FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4481-00, PAGE 29, WESTINGHOUSE PIPE CLASS CONVERSION TO ENGINEER'S PIPE LINE SPECIFICATION.
 - THE WASTE GAS DECAY TANKS AND ASSOCIATED PIPING UP TO AND INCLUDING THE ISOLATION VALVES ARE DESIGNED TO THE SEISMIC CRITERIA AS DESCRIBED IN THE FSAR SECTION 3.7.
 - QUICK CONNECT COUPLINGS PIPED TO RECEIVE PLANT GAS SAMPLING VESSEL.
 - LOCATE VALVES 7964 AND 7965 NEAR VOLUME CONTROL TANK.
 - LOCATE CONNECTION AS CLOSE AS POSSIBLE TO THE GAS TRAP.
 - LOCATE IN THE HIGH POINT OF THE PIPING, AVOID LOOP SEALS IN THE PIPING.
 - SYSTEMS AND COMPONENTS MARKED AS DR OR DR-G HAVE BEEN DECLASSIFIED TO QUALITY RELATED AS COVERED BY DRP-1.
 - WASTE GAS LINES HAVING THE POTENTIAL OF CARRYING COMBUSTIBLE GAS MIXTURES SHALL BE SEISMICALLY SUPPORTED.

THE ASSOCIATED 307 DRAWING SHALL BE REVISED IN CONJUNCTION WITH REVISION TO THIS 302 IF THE CROSS HATCHED AREA IS AFFECTED.

ESSENTIAL

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

FSAR FIGURE 11.3-4
SHEET 1 OF 3

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMNER NUCLEAR STATION
PIPING SYSTEM FLOW DIAGRAM
WASTE PROCESSING

DESIGN ENGINEERING	LE APPROVAL
1. ACI	2. RHM
3. GAR	

E-302-741

NO. DATE BY REVISION

15	10/18/1996	DDJ	REVISED PER MRF-22263	MGR	CAC
14	07/03/1996	JMR	REVISED PER CGSS-95-1108	MGR	GAR
13	02/16/2018	CMS	REVISED PER ECR-72478	CWB	AL
12	06/28/2004	JMR	CADD ENHANCED PER ECR-50239	MGR	DDJ
11	07/25/2003	DDJ	REVISED PER ECR-50141	MGR	TOC
10	10/07/1998	JTS	REVISED PER CGSS-98-0434	MGR	GAR

CKD BY APPROVAL

SHT. NUMBER	19
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DESIGN DATA

1	100	150	150	180	187	40(MIN)
PSIG	°F	PSIG	°F	PSIG	°F	
NORMAL	UPSET	HYDROTEST				

