



- NOTES:
- THIS DRAWING IS BASED UPON DWG. 114E076, REVISION 11 (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 THIS DRAWING.
 - FOR ALPHA REFERENCES, SEE DWG. E-302-822, FLOW DIAGRAM LEGEND.
 - VALVE FAILS WITH FLOW TO RECYCLE HOLD-UP TANKS.
 - VALVE FAILS WITH FLOW TO RECYCLE EVAPORATOR FILTER.
 - RCV-BIB TRIPS TO RECYCLE EVAPORATOR FEED DEMINERALIZER ON HIGH RADIATION SIGNAL.
 - POSITION VALVE TO LIMIT PUMP RUNOUT.
 - FOR CONVENTIONAL PIPING SPECIFICATIONS, SEE GAI SPECIFICATION SP-329-4481-00, PAGE 29.
 - WESTINGHOUSE PIPE CLASS CONNECTION BETWEEN TANK.
 - SYSTEMS AND COMPONENTS MARKED AS OR OR DR-G HAVE BEEN DECLASSIFIED TO QUALITY RELATED AS COVERED BY DRP-1.
 - CONNECTION TO BE PERMANENTLY CONNECTED TO PLANT VENT UPSTREAM OF RADIATION MONITOR RT-814.
 - LOWER LOOP TO EXTEND 20" BELOW OVERFLOW CONNECTION AND UPPER LOOP 18" BELOW DIAPHRAGM FLANGE, LOCATE SYMPHON BREAK VENT ON TOP OF UPPER LOOP.
 - ALL PIPE DOWNSTREAM OF THIS POINT IS TO BE AT SAME ELEVATION, 12" BELOW DIAPHRAGM FLANGE.
 - TO PROVIDE FOR CROSS CONNECTION BETWEEN TANK.
 - LOCATE THESE CONNECTIONS AS CLOSE TOGETHER AS POSSIBLE.
 - LOCATE CLOSE TO CONNECTIONS TO WPS.
 - MUST BE ROUTED THROUGH SFPCS DEMINERALIZER AND FILTER.
 - DRAIN HEADER CONNECTION TO BE PROVIDED NEARBY FOR CONNECTING HOSE FOR DRAINING BY GRAVITY.
 - LOCATE REAGENT TANK AND PIPING TO ALLOW FOR GRAVITY DRAIN INTO EVAPORATOR.
 - RYT LEVEL INDICATOR MUST BE VISIBLE FROM R.E. FEED PUMP LOCAL CONTROL.
 - LOCATE IN HIGH POINT OF THE PIPING, AVOID LOOP SEALS IN PIPING.
 - WASTE GAS LINES HAVING THE POTENTIAL OF CARRYING COMBUSTIBLE GAS MIXTURES SHALL BE SEISMICALLY SUPPORTED.
 - VALVE LINEUP DEPICTED AS IF ONLY THE "A" RECYCLE EVAP. FEED DEMINERALIZER IS IN SERVICE, REFERENCE SOP-185.
 - VALVE LINEUP DEPICTED AS IF THE "B" RECYCLE HOLD-UP TANK IS IN SERVICE, REFERENCE SOP-185.

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

DRAWING LEGIBILITY CLASS 1
SERC8 CAD ENHANCED

ESSENTIAL

NO.	DATE	BY	REVISION	CHKD. BY	APPROVAL
16	12/15/1997	AVN	REVISED PER CGSS-97-0609	MGR	L&K
15	11/17/1997	AVN	REVISED PER CGSS-97-0579	L&K	MGR
20	07/15/2019	CMS	REVISED PER ECR-72432	ehk	AJL
19	07/02/2019	TDS	REVISED PER ECR-72221	ehk	DKC
18	05/08/2011	JMR	REVISED PER ECR-50780	MGR	SCY
17	11/25/2005	JMR	CADD ENHANCED PER ECR-50239	MGR	DDJ

FSAR Figure 9.3-18	
SOUTH CAROLINA ELECTRIC & GAS COMPANY	
VIRGIL C. SUMNER NUCLEAR STATION	
PIPING SYSTEM FLOW DIAGRAM	
BORON RECYCLE	
DESIGN ENGINEERING	
V.C. SUMNER NUCLEAR STATION, JENKINSVILLE, S.C.	
CHECKED	
1. JTS	2. MGR
3. WHB	
DRAWING NUMBER: E-302-751	
SHT. NUMBER: 20	

STANDING WATER HYDROTEST

7	ATM.	150	ATM.	150	ATM.	35(MIN.)
6	-0.4	105	5	105	8	35(MIN.)
5	0.5	140	13	200	17	35(MIN.)
4	140	150	150	188	35(MIN.)	
3	15	150	150	188	35(MIN.)	
2	15	150	15	150	*	35(MIN.)
1	60	150	150	150	188	35(MIN.)

BR	18573	18576
CS	CS-1	CS-7

