

OPERATIONAL CONDITION		POWER OPERATION		SHUT DOWN - HOT STBY (MAIN COOLANT PUMPS OPER)		SHUT DOWN - COLD (ON RHR)		REFUELING		POST ACCIDENT WITH EGCS RUNNING		POST ACCIDENT (WITH EGCS) WITH NATURAL REIRC.		POST ACCIDENT WITH RHR		POST ACCIDENT LARGE BREAK		
SAMPLE POINT	PARAMETER	SAMPLE PRESS. REQ. (PSIG)	TEMP. (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC	SAMPLE PRESS. TEMP. REQ. (PSIG) (°F)	RAD LEVEL mR/hr/DC
REACTOR COOLANT (COLD LEG)	NOTE 2, 3 2200 / 580 2270 / 530	YES	2200 / 547 2270 / 517	Later	NO	Later	NO	Later	NO	Later	YES	2300 / 350 2300 / 400	Later	NO	NO	Later	NO	Later
REACTOR COOLANT (HOT LEG)	NOTE 2 2200 / 600	YES	2200 / 547 2270 / 517	Later	NO	Later	NO	Later	NO	Later	NO	2300 / 400 2300 / 700	Later	NO	NO	Later	NO	Later
RHR HEAT EXCHANGER	NO	NO	450 / 50 350 / 80	Later	YES	450 / 50 350 / 80	Later	YES	450 / 50 350 / 80	Later	NO	450 / 50 350 / 80	Later	YES	150 / 80 350 / 80	NO	150 / 80 350 / 80	Later
CVCS	YES NOTE 2 150 / 150	UPON REQUEST	150 / 150	Later	NO	Later	NO	Later	NO	Later	YES	450 / 50 350 / 80	Later	NO	YES	150 / 80 350 / 80	NO	150 / 80 350 / 80
CONTAINMENT SUMP #1	NO	NO	Later	NO	Later	NO	Later	NO	Later	NO	YES	450 / 50 350 / 80	Later	YES	YES	Later	YES	Later
CONTAINMENT SUMP #2	NO	NO	Later	NO	Later	NO	Later	NO	Later	NO	YES	450 / 50 350 / 80	Later	YES	YES	Later	YES	Later
HIGH RADIATION WASTE SYS.	NO	NO	Later	NO	Later	NO	Later	NO	Later	NO	UPON REQUEST	450 / 50 350 / 80	Later	UPON REQUEST	UPON REQUEST	UPON REQUEST	UPON REQUEST	Later

1. H_2BO_3 AS PPM B.
2. REACTOR COOLANT NORMALLY SAMPLED AT MIXED BED IX INFLUENT. OTHER AVAILABLE POINTS ARE THE 4-HOT LEG SAMPLES AND 3-COLD LEG SAMPLES.
3. HYDROGEN- AND TOTAL GAS SAMPLE TAKEN TRI-WEEKLY FROM COLD LEG.

DESIGN	<i>Don McLean</i>	DATE	5.10.80	VIRGINIA ELECTRIC POWER COMPANY HIGH RADIATION SAMPLING SYSTEM-SURRY 1 & 2 PROCESS FLOW DIAGRAM LIQUID SAMPLING  NUS NUCLEAR UTILITIES SOUTHERN REGIONAL DIVISION	DRAWING NO.	5324 M 3010	REV.	B
DESIGNED	<i>Don McLean</i>	7/1/80			SCALE	NONE	SHEET 2 OF 2	
CHECKED	<i>Don McLean</i>							
CON. ENGINEER								
DRAFT. MGR. SUPV.								
APPROVAL								
APPROVAL								
APPROVAL. PROJ.								
APPROVAL. CLIENT								