

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8303300273. DOC DATE: 83/03/25. NOTARIZED: NO  
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.  
 AUTH. NAME: UHRIG, R. EL. AUTHOR. AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: EISENHUT, D. G. RECIPIENT AFFILIATION: Division of Licensing

DOCKET #: 05000389

SUBJECT: Forwards schedule outlining portions of initial test program that may be incomplete by core load.

DISTRIBUTION CODE: B0015 COPIES RECEIVED: LTR: 1 ENCL: 1 SIZE: 15  
 TITLE: Licensing Submittals: PSAR/FSAR Amdts & Related Correspondence

NOTES:

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	LICI BR #3 LAI	1 0	NERSES, V. 01.	1 1
INTERNAL:	ELD/HDS2	1 0	IEI FILEI	1 1
	IE/DEPER/EPB 36	3 3	IE/DEPER/IRB 35	1 1
	NRR/DEV/AEAB 17	0 0	NRR/DE/CEB 11	1 1
	NRR/DEV/EHEB 17	1 1	NRR/DE/EQB 13	2 2
	NRR/DEV/GB 28	2 2	NRR/DEV/HGEB 30	1 1
	NRR/DEV/MEB 18	1 1	NRR/DE/MTEB 17	1 1
	NRR/DEV/QAB 21	1 1	NRR/DE/SAB 24	1 1
	NRR/DHFS/HFEB 40	1 1	NRR/DHFS/LQB 32	1 1
	NRR/DL/SSPB 1	0 0	NRR/DSI/AEB 26	1 1
	NRR/DSI/ASB 1	1 1	NRR/DSI/CPB 10	1 1
	NRR/DSI/CSB 09	1 1	NRR/DSI/ICSB 16	1 1
	NRR/DSI/MEIB 12	1 1	NRR/DSI/PSB 19	1 1
	NRR/DSI/RAB 22	1 1	NRR/DSI/RSB 23	1 1
	<u>REGI FILEI</u> 04	1 1	RGN2	3 3
	RM/DDAMIL/MIB 1	0 0		
EXTERNAL:	ACRS 41	6 6	BNLIC(AMDT) ONLY	1 1
	DMB/DSS (AMDT) 1	1 1	FEMA-REPI DIVI 39	1 1
	LPDR 03	1 1	NRCI PDR 02	1 1
	NSICI 05	1 1	NTIS	1 1

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THE  
 BOARD OF  
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REPORT OF THE BOARD OF REGENTS  
 FOR THE YEAR 1964-65

A REPORT TO THE PEOPLE OF THE STATE OF CALIFORNIA  
 BY THE BOARD OF REGENTS OF THE UNIVERSITY OF CALIFORNIA

Item	Description	Amount	Balance
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FLORIDA POWER & LIGHT COMPANY  
March 25, 1983  
L-83-183

Office of Nuclear Reactor Regulations  
Attention: Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: ST. LUCIE UNIT NO. 2  
DOCKET NO. 50-389  
INITIAL TEST PROGRAM

Attached please find a schedule outlining portions of the St. Lucie Unit No. 2 initial test program which may not be completed by core load. The attachment is arranged in matrix form and identifies the preoperational test, the portion of the test delayed, justification for the delay and our new completion date.

If you have any questions regarding this submittal, please contact us.

Very truly yours,

Robert E. Uhrig  
Vice President  
Advanced Systems and Technology

REU/RJS/PPC/rms

Attachment

cc: J. P. O'Reilly, Region II  
Harold F. Reis, Esquire

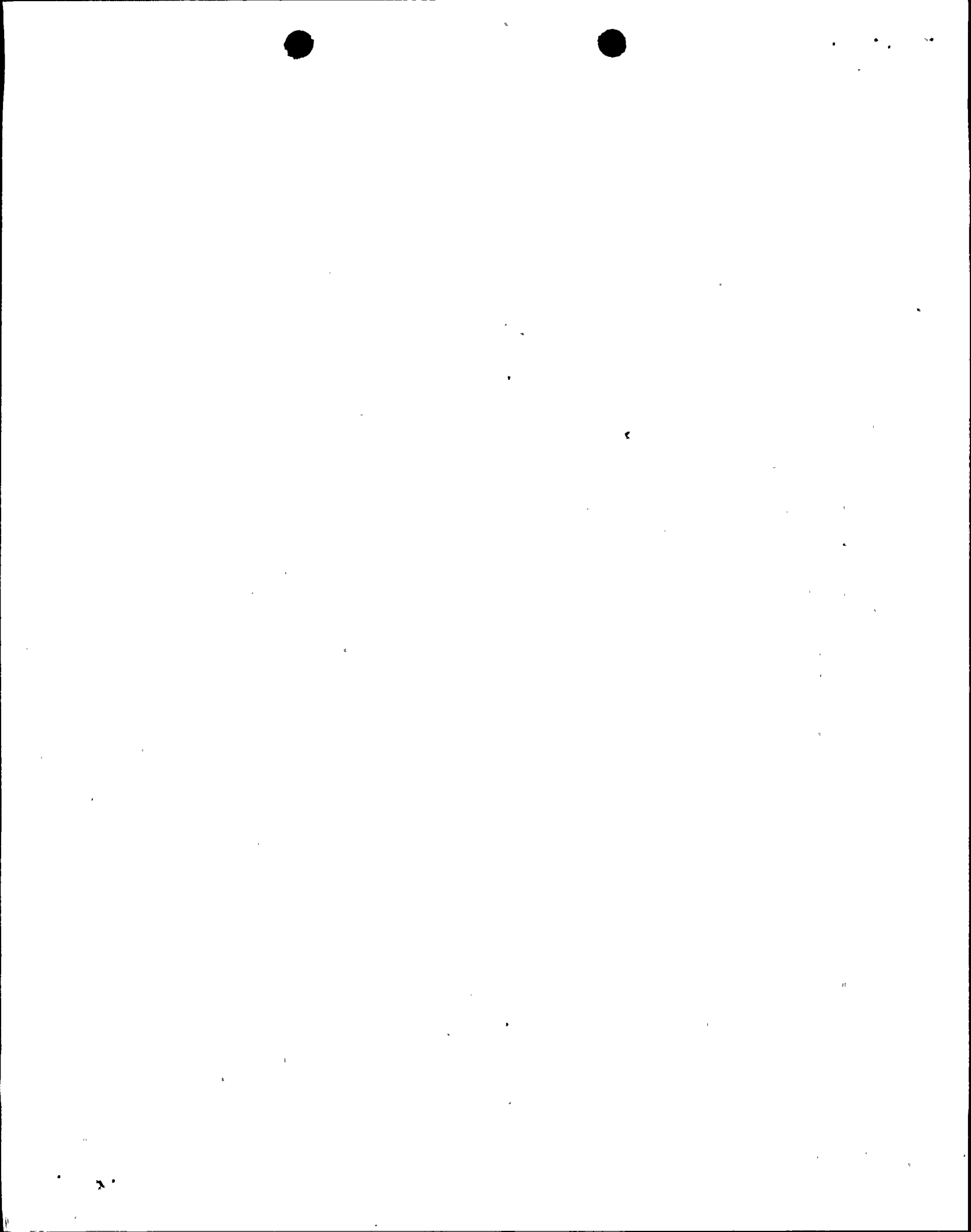
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PREOPERATIONAL TEST	ABSTRACT (section)	PORTION DELAYED	JUSTIFICATION	TEST COMPLETION
2-2000083  Hydrogen Recombiners	14.2.12.1.3I  T.S 3.6.4.2	See Note (1)	The hydrogen recombiners are only required during modes 1 & 2	Prior to initial criticality
2-2000088  Containment Hydrogen Sample Functional Test	14.2.12.1.3J  T.S 3.6.4.1	Entire Test	This system monitors the buildup of hydrogen, during power operations, in the containment. The tech specs do not require this system until mode 2.	Prior to entering mode 2.
2-0010188  Safeguard & Reactor Cavity Sump Pumps Test	14.2.12.1.3M  T.S 3.4.6.1	Reactor cavity portion. Safeguards sump pumps will be tested. See Note (1)	The purpose of these systems is to monitor and process contaminated RCS System Leakage. No contaminated leakage is expected prior to initial RCS pressurization. During the interim period temporary sump pumps may be used.	This test will be completed prior to initial RCS pressurization after Coreload.

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.



PREOPERATIONAL TEST	ABSTRACT (section)	PORTION DELAYED	JUSTIFICATION	TEST COMPLETION
2-2000089 In Place Testing of HEPA & Charcoal Filters	14.2.12.1.3N T.S 3.7.7	RAB, SBVS and Containment Purge	The control room emergency cleanup system HEPA's and charcoal trains will be tested and operable prior to entering mode 6. HEPA and charcoal testing will be completed prior to entering mode 4.	Prior to entering mode 4 for the initial plant heatup.
2-1130080 Loose Parts Monitor	14.2.12.1.7B T.S 3.3.3.8	See Note (1)	This test is 90% complete. Prior to Coreload there is no flow in the RCS. Tech Specs require this system to be operable in Modes 1 & 2 only.	Prior to initial criticality. (Mode 2)
2-0010187 Reactor Cavity Sump Leak Detector Test	14.2.12.1.7F T.S 3.4.6.1	See Note (1)	St. Lucie Unit 2 Technical Specifications for Reactor Coolant Leakage is applicable to modes 1, 2, 3 & 4 only. Additionally at this time no fission products are present in the Reactor Coolant System.	This test will be completed prior to (mode 4).

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.

PREOPERATIONAL  
TEST

ABSTRACT  
(section)

PORTION DELAYED

JUSTIFICATION

TEST COMPLETION

2-1200081  
Incore Instrumentation

14.2.12.1.7I  
T.S 3.3.3.2

Incore detectors have been installed in the UGS. The cables that are pulled and terminated have been tested. The remaining cables will be tested prior to use of the incore system during the low power physics program.

This system has construction problems due to the late delivery of the MI cable. Cable resistance has been measured for those cables installed and terminated. Due to its physical location (in the UGS) the system is not operable prior to or during Coreload. Tech specs do not require this system in Mode 6 or 5. The first use of this system will be the approach to criticality.

Prior to initial criticality

2-0510081 & 81  
Liquid Waste Management

14.1.12.1.8A

See Note (1)

This test verifies proper operation of the waste concentrator and liquid waste storage/transfer facilities. The waste concentrator portion of this test is in progress even though it is not used during normal plant operations. Liquid waste storage/transfer facilities are presently available for use.  
See Note (2)

Prior to initial criticality.

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specification.

PREOPERATIONAL  
TEST

ABSTRACT  
(section)

PORTION DELAYED

JUSTIFICATION

TEST COMPLETION'

<p>2-0520080 Waste Compactor and Drumming Station</p>	<p>14.1.12.1.8D</p>	<p>Entire Test</p>	<p>The Solid Waste Handling System is contracted and is not available for use prior to Coreload (See FSAR 11.4)</p>	<p>Prior to use.</p>
			<p>Waste compactor is not needed until after solid radioactive wastes are generated.</p>	<p>Prior to Initial Criticality.</p>
<p>2-0620080 Circulating Water</p>	<p>14.2.12.1.10C</p>	<p>Measurement of System Hydraulic Gradient See Note (1)</p>	<p>The Unit 1 refueling outage intake canal work prohibits running of the circulating water pumps. See Note (2)</p>	<p>Prior to mode 1.</p>





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PREOPERATIONAL TEST	ABSTRACT (section)	PORTION DELAYED	JUSTIFICATION	TEST COMPLETION
2-1730080  Secondary Sampling Initial Startup and Functional	14.2.12.1.10J	Sampling of feedwater while feed system is in operation. The water quality will be examined prior to feeding the steam generators from the condenser.	Feedwater system is not tested until after Core- load, therefore sampling cannot be done. See Note (2)	Prior to increasing power above the 50% plateau.
2-1110083 2-1110080 2-1110092  Radiation Monitoring	14.2.12.1.10L	See Note (1)	Tables 11.5-1 and 12.3.2&3 of the FSAR list the Area and Process Monitors in the plant. The monitors circled are required to be operable in Mode 6. In paren- theses are the appropriate Tech Spec Table #. The remainder will be tested prior to initial criticality.	Prior to initial criticality.
2-1120080  Area Monitor	14.2.12.1.10M	See Note (1)		

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.

TABLE 11.5-1

PROCESS AND EFFLUENT RADIATION MONITORS

Monitors	Number	Type(1)	Location(2)	Control Function	Power Supply	Range ( $\mu\text{Ci/cc}$ )	Minimum Sensitivity(3)	Typical Alarms & Control Setpoint	At Detector
a) Component Cooling Water	2	SSL	I-1"-CC-227 I-1"-CC-231	Close surge tk vent	Safety AC bus	$10^{-7}$ to $10^{-2}$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/ccCs137}$	$1.4 \times 10^{-4}$ $\mu\text{Ci/cc}$	2.5 mR/hr   11
b) Chemical and Volume Control Letdown	1	SSL	1"-CH-432	None	NonSafety AC bus	$10^{-4}$ to $10^4$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/ccCs137}$	$1 \times 10^2$ $\mu\text{Ci/cc}$	10 mR/hr   11
c) Steam Generator Blowdown <i>T.S. Table 3.3-12</i>	2	SSL	-	Close blow-down valves I-FCV-27, -3, -5, -7, & -9	NonSafety AC bus	$10^{-7}$ to $10^{-2}$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/ccCs137}$	$5 \times 10^{-5}$ $\mu\text{Ci/cc}$	1 mR/hr   11
d) Liquid Waste Discharge <i>T.S. Table 3.3-12</i>	1	SSL	3"-IM-F19	Close discharge valves FCV-6627 X & Y	NonSafety AC bus	$10^{-7}$ to $10^{-2}$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/ccCs137}$	$4 \times 10^{-6}$ $\mu\text{Ci/cc}$	2.5 mR/hr   11
e) Gaseous Waste Discharge <i>T.S. Table 3.3-13</i>	1	SSG	2"-IM-D40	Close discharge Valve V6565	NonSafety AC bus	$10^{-1}$ to $10^4$	$4.3 \times 10^7$ cpm/ $\mu\text{Ci/ccXe133}$	500 $\mu\text{Ci/cc}$	2.5 mR/hr   11
f) Condenser Air Ejector	1	SSG	1"-AF-45	None	NonSafety AC bus	$10^{-7}$ to $10^{-2}$	$4.3 \times 10^7$ cpm/ $\mu\text{Ci/ccXe133}$	$3 \times 10^{-7}$ $\mu\text{Ci/cc}$	1 mR/hr   11
g) Plant Vent <i>T.S. Table 3.3-13</i>	2	P-I-G	-	None	Safety AC bus	$10^{-12}$ to $10^{-7}$ P $10^{-10}$ to $10^{-5}$ I $10^{-7}$ to $10^{-2}$ G	$8.6 \times 10^4$ cpm/ $\mu\text{Ci/ccCs137}$ $1 \times 10^7$ cpm/ $\mu\text{Ci/ccI131}$ $2.1 \times 10^7$ cpm/ $\mu\text{Ci/ccXe133}$	$1 \times 10^{-7}$ $\mu\text{Ci/cc}$ $5 \times 10^{-7}$ $\mu\text{Ci/cc}$ $5 \times 10^{-6}$ $\mu\text{Ci/cc}$	1 mR/hr   11 9
h) Fuel Handling Rldg. Stack <i>T.S. Table 3.3-6</i> <i>T.S. Table 3.3-13</i>	1	P-I-G	-	None	NonSafety AC bus	$10^{-12}$ to $10^{-7}$ P $10^{-10}$ to $10^{-5}$ I $10^{-7}$ to $10^{-2}$ G	$8.6 \times 10^4$ cpm/ $\mu\text{Ci/ccCs137}$ $1 \times 10^7$ cpm/ $\mu\text{Ci/ccI131}$ $2.1 \times 10^7$ cpm/ $\mu\text{Ci/ccXe133}$	$1 \times 10^{-7}$ $\mu\text{Ci/cc}$ $1 \times 10^{-6}$ $\mu\text{Ci/cc}$ $1 \times 10^{-5}$ $\mu\text{Ci/cc}$	1 mR/hr   11
i) ECCS Area Ventilation System Exhaust	2	HSG	2HVF-9	None	Safety AC bus	$10^{-7}$ to $10^{-2}$ $10^{-3}$ to $10^2$ $1.0$ to $10^5$	$4.32 \times 10^7$ cpm/ $\mu\text{Ci/cc}$ $7.84 \times 10^4$ cpm/ $\mu\text{Ci/cc}$ $1.19 \times 10^2$ cpm/ $\mu\text{Ci/cc}$	$1 \times 10^{-6}$ $\mu\text{Ci/cc}$ $1 \times 10^{-3}$ $\mu\text{Ci/cc}$ $1 \times 10^0$ $\mu\text{Ci/cc}$	2.5 mR/hr normal <1000 mR/hr accident   7

Notes:

- (1) SSL = Single Stage Liquid, SSG = Single Stage Gaseous, HSG = Multi-Stage Gaseous, P-I-G = Particulate, iodine and noble gas (refer to Subsection 11.5.2.1.3) | 5
- (2) All monitors (except for e and i) are off-line type. Location indicates sample line take-off.
- (3) Sensitivity listed is for counting time and background states. In addition, all monitors meet the sensitivities indicated in Subsection 11.5.2.1.3.
- (4) One detector is required for background subtraction.
- (5) Detectors view the main steam line. | 5

11.5-13

Amendment No. 11, (7/82)

SI2-FSAR

TABLE 11.5-1 (Cont'd)

Monitors	Number	Type(1)	Location(2)	Control Function	Power Supply	Range ( $\mu\text{Ci/cc}$ )	Minimum Sensitivity(3)	Typical Alarms & Control Setpoint	At Detector	
j) Boric Acid and Waste Holdup Condensate Tank	1	SSL	1"-CR-9	None	Non-safety AC bus	$10^{-7}$ to $10^{-2}$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/cc}$ Cs137	$1 \times 10^{-4}$ $\mu\text{Ci/cc}$	2.5 mR/hr	11
k) Plant Vent (high Range Noble Gas Monitor)	1	MSG	-	None	Non-safety AC bus (on zero load block)	$10^{-7}$ to $10^{-2}$	$4.32 \times 10^7$ cpm/ $\mu\text{Ci/cc}$	$5 \times 10^{-6}$ $\mu\text{Ci/cc}$	1 mR/hr	11
						$10^{-3}$ to $10^2$	$2.84 \times 10^4$ cpm/ $\mu\text{Ci/cc}$	$1 \times 10^{-3}$ $\mu\text{Ci/cc}$	normal	
						$1.0$ to $10^3$	$1.19 \times 10^2$ cpm/ $\mu\text{Ci/cc}$	$1.0$ $\mu\text{Ci/cc}$	20 mR/hr accident	
l) Atmospheric Steam Dump Exhaust	3(4)	G-M tube	Main Steam Trestle(5)	None	Non safety with uninterruptible backup	$10^{-1}$ to $10^3$	10 cpm/mR/hr	$1 \times 10^{-1}$ $\mu\text{Ci/cc}$	0.25 mR/hr normal < 1000 mR/hr accident	7
m) Laundry and Hot Change Area	1	PIG	2HVE-5	None	Non-safety AC Bus	$10^{-12}$ to $10^{-7}$	$8.6 \times 10^4$ cpm/ $\mu\text{Ci/cc}$ Cs137	$5 \times 10^{-9}$ $\mu\text{Ci/cc}$	1mR/hr	11
						$10^{-10}$ to $10^{-5}$	$1 \times 10^3$ cpm/ $\mu\text{Ci/cc}$ I131	$1 \times 10^{-8}$ $\mu\text{Ci/cc}$		
						$10^{-7}$ to $10^{-2}$	$2.1 \times 10^7$ cpm/ $\mu\text{Ci/cc}$ Xe133	$5 \times 10^{-6}$ $\mu\text{Ci/cc}$		
n) Post-Accident Failed Fuel	1	SSL	PAB(6)	None	Non-safety	$10^{-4}$ to $10^1$	$1.3 \times 10^8$ cpm/ $\mu\text{Ci/cc}$ Cs137	$1.0$ $\mu\text{Ci/cc}$	20mR/hr	

Handwritten note: **Table 33-13**

Notes:

- (1) SSL = Single Stage Liquid, SSC = Single Stage Gaseous, MSG = Multi-Stage Gaseous, P-I-G = Particulate, iodine and noble gas (refer to Subsection 11.5.2.1.3)
- (2) All monitors (except for e and l) are off-line type. Location indicates sample line take-off.
- (3) Sensitivity listed is for counting time and background states. In addition, all monitors meet the sensitivities indicated in Subsection 11.5.2.1.3.
- (4) One detector is required for background subtraction.
- (5) Detectors view the main steam line.
- (6) Detector to view primary coolant sample line.

11.5-13a

Amendment No. 11, (7/82)

SL2-FSAR

SL2-FSAR

TABLE 12.3-2

AREA RADIATION MONITORS

Item	Detector Tag Number	Monitored Area	Safety Classification	Range (mR/hr)	Sensitivity (mR/hr)	Accuracy (%)	Typical Alarm Setpoint (mR/hr)	Monitor Location	Detector Location
1	RD-26-1	Control Room	Non-Safety	$10^{-2}-10^3$	$10^{-2}$	+15%	1.0	RAB el 67.5'	RAB el 67.5
2	RD-26-3	CIAS A T.S. Table 3.3-6	1E	$10^1-10^7$	$10^1$	+15%	$10^4$	RAB el 25'	Containment el 90'
3	RD-26-4	CIAS B "	1E	$10^1-10^7$	$10^1$	+15%	$10^4$	RAB el 25'	Containment el 90'
4	RD-26-5	CIAS C "	1E	$10^1-10^7$	$10^1$	+15%	$10^4$	RAB el 25'	Containment el 90'
5	RD-26-6	CIAS D "	1E	$10^1-10^7$	$10^1$	+15%	$10^4$	RAB el 25'	Containment el 90'
6	RD-26-7	Spent Fuel Pool A T.S. Table 3.3-6	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
7	RD-26-8	Spent Fuel Pool B	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
8	RD-26-9	Spent Fuel Pool C	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
9	RD-26-10	Spent Fuel Pool D	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
10	RD-26-11	Spent Fuel Pool E	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
11	RD-26-12	Spent Fuel Pool F	1E	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 61'
12	RD-26-38	Containment Post Accident A	1E	$10^1-10^7$	$10^1$	+15%	30	RAB el 64.5	Below FHB roof at el 85'
13	RD-26-39	Containment Post Accident B	1E	$10^1-10^7$	$10^1$	+15%	30	RAB el 67.5	Above RAB roof at el 85'
14	RD-26-32	Personnel Lock Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	Containment el 35.5'	Containment el 35.5'
15	RD-26-33	Refueling Canal Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 68'	FHB el 67.5'
16	RD-26-34	Fuel Pool Pump Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 25.5'	FHB el 25'
17	RD-26-35	Boric Accid Preconcentrator Filter Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 5'	RAB el 5'
18	RD-26-36	Waste Filter Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	80	RAB el 5'	RAB el 5'
19	RD-26-37	ECCS Equipment Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 10'	RAB el 5.5'
20	RD-26-13	Waste Gas Compressor Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	40	RAB el 5.5'	RAB el 9.5'
21	RD-26-14	Charging Pump Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	40	RAB el 5.5'	RAB el 10.5'
22	RD-26-15	Holdup Drain Pump Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 4.5'	RAB el 4.5'
23	RD-26-16	Sample Room Area	Non-Safety	$10^{-2}-10^3$	$10^{-2}$	+15%	5	RAB el 25'	RAB el 26'

12.3-26

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SL2-FSAR

TABLE 12.3-2 (Cont'd)

Item	Detector Tag Number	Monitored Area	Safety Classification	Range (mR/hr)	Sensitivity (mR/hr)	Accuracy (%)	Typical Alarm Setpoint (mR/hr)	Monitor Location	Detector Location
24	RD-26-17	Ion Exchanger Corridor	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	80	RAB el 25'	RAB el 26'
25	RD-26-18	Flash Tank Pumps Corridor	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 25'	RAB el 26'
26	RD-26-20	Purification Filter Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 25'	RAB el 35.5'
27	RD-26-21	Spent Resin Corridor Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 5'	RAB el 6.5'
28	RD-26-22	ECCS Equipment Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 5'	RAB el 4'
29	RD-26-23	Decontamination Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 5'	RAB el 26'
30	RD-26-24	HVAC Room Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 48'	RAB el 49'
31	RD-26-25	Chemical Drain Pump Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 5'	RAB el 12'
32	RD-26-26	Volume Control Tank Corridor	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 25'	RAB el 26'
33	RD-26-27	Boronometer Enclosure Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 26'	RAB el 26'
34	RD-26-28	New Fuel Storage Area <i>T.S. Table 4.3-3</i>	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	FHB el 67.5'	FHB el 53.5'
35	RD-26-29	Aerated Waste Storage Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 5'	RAB el 5'
36	RD-26-30	Boric Acid Concentrator Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	10	RAB el 25'	RAB el 28'
37	RD-26-31	Fuel Pool Filter Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	FHB el 25'	FHB el 26'
38	RD-26-2	Operating Deck Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	$10^2$	Containment el 35.5'	Containment el 85'
39	RD-26-19	Drumming Station Area	Non-Safety	$10^{-1}-10^4$	$10^{-1}$	+15%	20	RAB el 25'	RAB el 25
40	RD-26-40	Containment High Range	IE	$1.0-10^{7(1)}$	$10^{-3}$	+15%	$10^4$	RAB el 65'	RCB el 90'
41	RD-26-41	Containment High Range	IE	$1.0-10^{7(1)}$	$10^{-3}$	+15%	$10^4$	RAB el 65'	RCB el 90'

Notes

(1) Gamma sensitive detector. Measurement is in Rad/hr

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SL2-FSAR

TABLE 12.3-3

AIRBORNE RADIATION MONITORS

<u>Monitor/Location of Sample Pt.</u>	<u>Type</u>	<u>Number of Channels</u>	<u>Safety Classification</u>	<u>Range (<math>\mu\text{ci/cc}</math>)</u>	<u>Sensitivity (<math>\mu\text{ci/cc}</math>)</u>	<u>Accuracy (%)</u>	<u>Typical Alarm Setpoint (<math>\mu\text{ci/cc}</math>)</u>
Containment Atmosphere, multiple sample	Particulate	2	1E	$10^{-12}$ - $10^{-7}$	$10^{-12}$	9	$10^{-8}$
	Iodine	2	1E	$10^{-10}$ - $10^{-5}$	$10^{-10}$	9	$10^{-8}$
	Noble Gas	2	1E	$10^{-7}$ - $10^{-2}$	$10^{-7}$	9	$10^{-5}$
Control Room Outside Air Intake <i>T.S. Table 3.3-6</i>	B- Yscint w/ bkgrd Subtraction	4	1E	$10^{-8}$ - $10^{-3}$	$10^{-8}$	9	$5 \times 10^{-6}$
ECCS Area Vents	Noble Gas	2	1E	$10^{-7}$ - $10^{-2}$	$10^{-7}$	9	$5 \times 10^{-4}$
Mobile	Particulate	4	Non-Safety	$10^{-12}$ - $10^{-7}$	$10^{-12}$	9	Variable
	Iodine	4	Non-Safety	$10^{-10}$ - $10^{-5}$	$10^{-10}$	9	Variable
	Noble Gas	4	Non-Safety	$10^{-7}$ - $10^{-2}$	$10^{-7}$	9	Variable

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PREOPERATIONAL  
TEST

ABSTRACT  
(Section)

PORTION DELAYED

JUSTIFICATION

TEST COMPLETION

<p>2-0540081 Boric Acid Concentrators</p>	<p>14.2.12.1.100</p>	<p>Actual Concentration of Boron See Note (1)</p>	<p>The boric acid concentrators have been tested to the extent possible using unborated water. When heat tracing is completed final testing shall begin. See Note (2)</p>	<p>Prior to initial criticality.</p>
<p>2-0950080 Boric Acid Heat Tracing</p>	<p>14.2.12.1.10P T.S 3.1.2.1</p>	<p>See Note (1)</p>	<p><u>CVCS</u> Tech Specs require a certain flow path to be operable in Modes 5 &amp; 6. (See Tech Spec 3.1.2.1) The heat tracing associated with these flow paths will be tested prior to Coreload.</p> <p><u>WASTE MANAGEMENT</u> The heat tracing associated with waste management will be tested prior to initial criticality.</p>	<p>Prior to Mode 4.  Prior to initial criticality.</p>
<p>2-0950086 Essential Lighting Systems</p>	<p>14.2.12.1.5H</p>	<p>AC Portion. DC survey in control room is complete.</p>	<p>Lighting is essentially complete. It is used for emergency shutdown. It will not be needed until initial criticality.</p>	<p>Prior to initial criticality.</p>

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.

PREOPERATIONAL  
TEST

ABSTRACT  
(Section)

PORTION DELAYED

JUSTIFICATION

TEST COMPLETION,

<p>2-0540080</p> <p>Boron Recovery System Function Test</p>	<p>14.2.12.1.10Q</p>	<p>See Note (1)</p>	<p>Boron recovery testing is approximately 90% completed. The flash tank portion of this test is the only section not completed. See Note (2)</p>	<p>Prior to initial criticality.</p>
<p>2-3400088</p> <p>Miscellaneous Lifting Equipment</p>	<p>14.2.12.1.10R T.S 3.9.6</p>	<p>See Note (1)</p> <p>Refueling machine (Manipulator) will be tested in accordance with Technical Specifications prior to moving fuel,</p>	<p>Spent Fuel Cask Crane is not needed until after the first refueling at the earliest. Miscellaneous cranes and hoists are put into service to support operations and maintenance as required.</p>	<p>Prior to use.</p>
<p>2-1600080</p> <p>Fuel Handling in Building Ventilation Functional</p>	<p>14.2.12.1.11C</p>	<p>Obtaining negative pressure on spent fuel area with Shield Building Ventilation system. See Note (1)</p>	<p>This test is 90% complete. The remaining portion of the test obtains a negative pressure in spent fuel area. Only new fuel is presently stored in the spent fuel racks.</p>	<p>Prior to storage of spent fuel in the fuel handling building.</p>

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.

PREOPERATIONAL TEST	ABSTRACT (Section)	PORTION DELAYED	JUSTIFICATION	TEST COMPLETION'
2-2000085B Initial Fan Operation and HVAC Balancing 2-1900080 Auxiliary Building Ventilation	14.2.12.1.11F T.S 3.7.8	Final Balancing of the RAB and ECCS area  Control Room and containment balancing is complete.	Initial fan operation for the RAB and ECCS areas are complete. (i.e. 2-2000085A) Preliminary balancing in the RAB and ECCS areas are also complete. These systems are not required till mode 4 of the Tech Specs.	Prior to entering mode 4.
2-2000090 RAB Leak Test	14.2.12.1.11F	Smoke Leak Test of RAB (Entire Test)	This test ensures air flows in the RAB from less potentially contaminated areas to more potentially contaminated areas. Fis- sion product will not be potentially present in the RAB till after initial criticality	Prior to criticality
2-2000082 Shield Building Ventilation Functional Test	14.2.12.1.11G T.S 3.6.6.1	Final Balancing See Note (1)	This system has been functionally tested and preliminary balancing is completed. This system is not required by Tech Specs since no irradiated fuel is present. (Leak test is complete)	Prior to entering mode 4.

Note (1) - Testing of this system is in progress and may be completed prior to or immediately following Coreload.

Note (2) - This test/system is not safety related and is not required for Coreload by Technical Specifications.

14.2.12.4N            Baseline Leak Test of Systems Outside Containment Processing  
Primary Coolant

OBJECTIVE

To accumulate preoperational leak rates on systems that contain primary coolant in a post accident or transient condition to be used as a comparison in later checks.

PREREQUISITES

The LPSI, HPSI, Containment Spray and Primary Sampling Systems have all open integrity items dealing with valves, flanges, and leaky instrument connections cleared and all temporary strainers and test equipment removed.

TEST METHOD

With systems operating at normal pressure the piping and equipment is walked down and all unreparable leakage record.

ACCEPTANCE CRITERIA

None. Baseline data is recorded.