

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8609050099 DDC DATE: 86/09/02 NOTARIZED: NO DOCKET #  
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400  
 AUTH. NAME AUTHOR AFFILIATION  
 ZIMMERMAN, S. R. Carolina Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (post 851125)

SUBJECT: Submits supplemental info on human factors review of SPDS, per NUREG-0700. Validation test rept 85% complete. Cross-ref to SPDS safety functions & variables to parameters, per NUREG-0737, Suppl 1 encl.

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 TITLE: DR/Licensing Submittal: Suppl 1 to NUREG-0737(Generic Ltr 82-33)

NOTES: Application for permit renewal filed. 05000400

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1. The purpose of this document is to provide a comprehensive overview of the current status of the project. It is intended for the use of the project manager and the steering committee.

2. The project has been progressing well since the last meeting. All major milestones have been met, and the team is on track to complete the project by the end of the year.

3. There are no major risks identified at this time. However, it is important to continue to monitor the project closely and to be prepared to respond to any changes or challenges that may arise.

4. The next meeting will be held on [Date] at [Time]. The agenda for the meeting will be distributed in advance.

Item	Status	Responsible Party	Due Date	Comments
Task 1.1	Complete	John Doe	2023-10-15	Completed ahead of schedule.
Task 1.2	In Progress	Jane Smith	2023-10-20	Minor delays, but on track.
Task 1.3	Not Started	Bob Johnson	2023-10-25	Waiting for resources.
Task 1.4	Complete	Alice Brown	2023-10-10	Completed successfully.
Task 1.5	In Progress	Charlie Davis	2023-10-22	Progressing well.
Task 1.6	Complete	Diana Prince	2023-10-18	Completed with minor issues.
Task 1.7	In Progress	Ethan Hunt	2023-10-24	On track for completion.
Task 1.8	Complete	Fiona Glenanne	2023-10-12	Completed ahead of schedule.
Task 1.9	In Progress	Gordon Ramsay	2023-10-21	Progressing well.
Task 1.10	Complete	Halle Berry	2023-10-14	Completed successfully.
Task 1.11	In Progress	Ian McKellen	2023-10-23	On track for completion.
Task 1.12	Complete	Jennifer Lawrence	2023-10-16	Completed ahead of schedule.
Task 1.13	In Progress	Kevin Spacey	2023-10-26	Progressing well.
Task 1.14	Complete	Liam Neeson	2023-10-11	Completed successfully.
Task 1.15	In Progress	Mel Gibson	2023-10-27	On track for completion.
Task 1.16	Complete	Nicole Kidman	2023-10-13	Completed ahead of schedule.
Task 1.17	In Progress	Orlando Bloom	2023-10-28	Progressing well.
Task 1.18	Complete	Peter Dinklage	2023-10-17	Completed successfully.
Task 1.19	In Progress	Quentin Tarantino	2023-10-29	On track for completion.
Task 1.20	Complete	Ryan Murphy	2023-10-19	Completed ahead of schedule.



Carolina Power & Light Company

SEP 02 1986

SERIAL: NLS-86-327

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT  
UNIT NO. 1 - DOCKET NO. 50-400  
SAFETY PARAMETER DISPLAY SYSTEM

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) submits supplemental information on the human factors review of the Safety Parameter Display System (SPDS). Carolina Power & Light Company has utilized the guidance of NUREG-0700, "Guidelines for Control Room Design Reviews," to review the SPDS terminals, screens, outputs, color coordination, and control board location. HEDs have been identified and dispositioned under the Detailed Control Room Design Review. This supplements our response to Question 2.g of your Safety Evaluation Report (SER) on the SPDS.

The Validation Test Report is approximately 85 percent complete. The remainder of the work consists of incorporation of the results of the final acceptance test. Carolina Power & Light Company expects the final report to be complete in early 1987 and will be available prior to startup following the first refueling outage. This supplements our response to Question 2.h of your SER on the SPDS.

Based upon discussions with the NRC staff, CP&L will add stack radiation, steamline radiation, and containment isolation (Phase A, Phase B) variables to the SPDS. The source-range neutron flux, intermediate-range neutron flux, RHR flow, and containment hydrogen concentration variables are, in fact, available from the SPDS. This supplements our response to Question 4 of your SER on the SPDS.

Attachment 1 provides a cross-reference to the SPDS safety functions and variables to the parameters provided in NUREG-0737, Supplement 1. This supplements our response to Question 2.d of your SER on the SPDS.

Carolina Power & Light Company believes this information is sufficient to resolve the outstanding issues on the SPDS. If you have any questions, please contact Mr. Gregg A. Sindors at (919) 836-8168.

Yours very truly,

8609050099 860902  
PDR ADOCK 05000400  
P PDR

S. R. Zimmerman

Manager

Nuclear Licensing Section

GAS/vaw (4069GAS)

Enclosure

cc: Mr. B. C. Buckley (NRC)  
Mr. G. F. Maxwell (NRC-SHNPP)  
Dr. J. Nelson Grace (NRC-RII)  
Dr. S. N. Saba (NRC)

*Acors*  
*11*

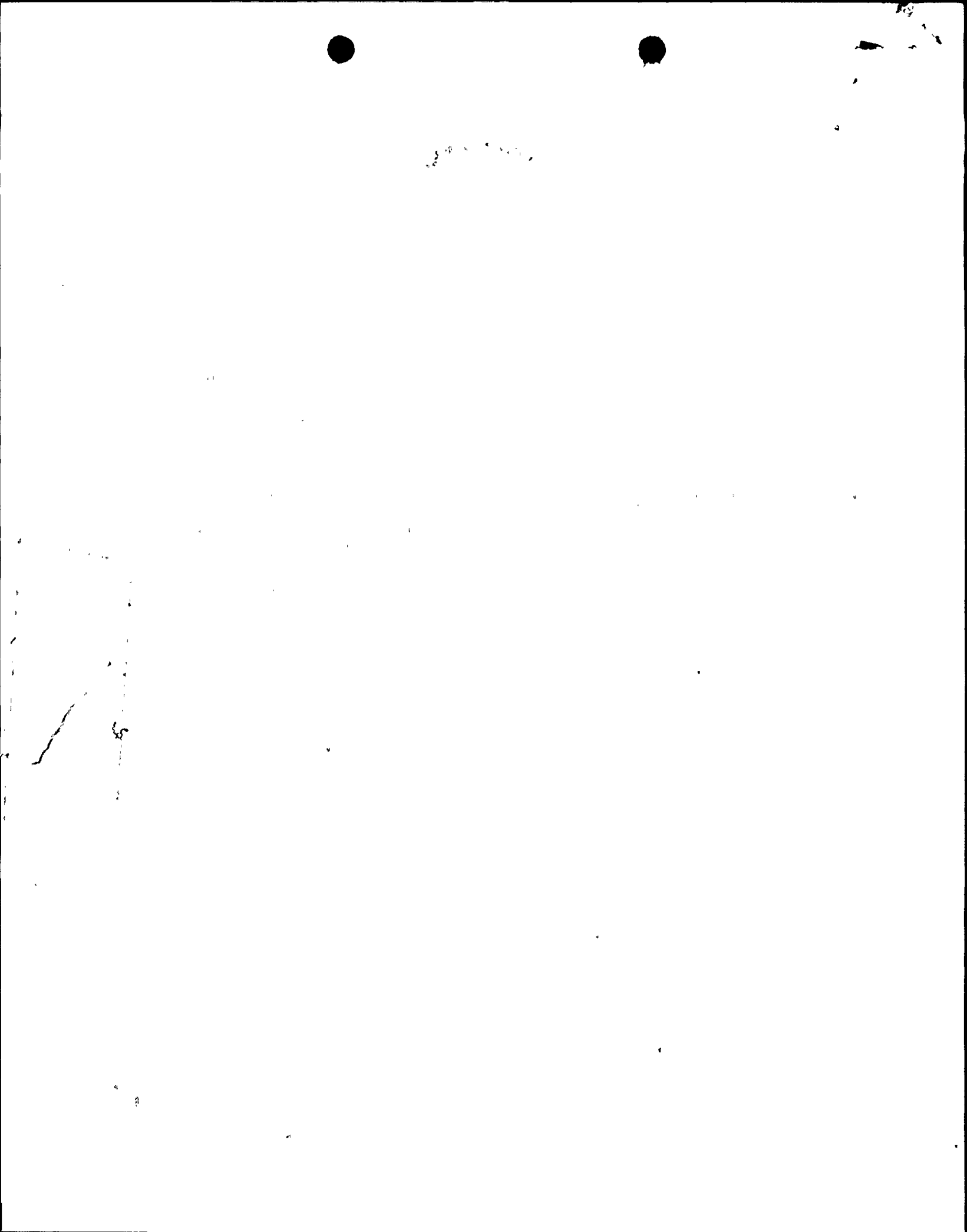


TABLE 1: SAFETY FUNCTION VARIABLES

<u>Safety Function</u>	<u>NUREG-0737 Variable</u>	<u>Parameter*</u>
1. Subcriticality	Power-Range Neutron Flux Intermediate-Range Start-Up Rate Source-Range Start-Up Rate Source-Range Energized	(i), (iv)
2. Core Cooling	Core Exit Temperature RCS Subcooling RCS Level Reactor Coolant Pump Status	(ii), (iii), (iv)
3. RCS Integrity	Cold Leg Temperature RCS Pressure Cooldown Rate	(iii), (iv), (ii)
4. Heat Sink	Steam Generator Level Steam Generator Pressure Feedwater Flow	(ii), (iv)
5. Containment	Containment Pressure Containment Sump Level Containment Radiation Containment Hydrogen	(v), (iv)
6. RCS Inventory	Pressurizer Level RCS Level	(iii), (ii), (iv)
	Steamline Radiation Stack Radiation	(iv)
* (i)	Reactivity Control	
(ii)	Reactor Core Cooling and Heat Removal From the Primary System	
(iii)	Reactor Coolant System Integrity	
(iv)	Radioactivity Control	
(v)	Containment Conditions	

NOTE: The first parameter listed is considered the primary parameter addressed.

