

June 7, 1985

DMB 016

Docket No. 50-312

Mr. Ronald J. Rodriguez  
Assistant General Manager, Nuclear  
Sacramento Municipal Utility District  
6201 S Street  
P. O. Box 15830  
Sacramento, California 95813

Dear Mr. Rodriguez:

SUBJECT: RANCHO SECO NUCLEAR GENERATING STATION - PLANT VISIT FOR  
INFORMATION ON SAFETY PARAMETER DISPLAY SYSTEM IMPLEMENTATION  
AND OPERATION

This is to confirm the participation of your plant in supporting a visit on June 19, 20 and 21, 1985 by an NRC team for the purpose of gathering information in connection with the implementation and operation of Safety Parameter Display Systems.

The requirement to provide a Safety Parameter Display System (SPDS) in control rooms is identified in Supplement 1 to NUREG-0737. The NRC SPDS review process for operating reactors is designed to avoid delays resulting from time required for NRC staff review. Licensee submittals are only reviewed to determine if a serious safety question is posed by the proposed SPDS or if the licensee's analysis is seriously inadequate.

In the regional workshops on implementation of Supplement 1 to NUREG-0737, in February and March 1983, we stated that post-implementation SPDS reviews would be conducted. To assure effective use of limited staff and utility resources, we are undertaking a program to obtain information which will allow us to determine the need for, and if found necessary, the scope, depth and extent of the NRC's SPDS post-implementation review. This program will consist of visits to six plants which have been chosen as representatives of industry and SPDS vendor type.

The information obtained during the visits will be sufficiently thorough and comprehensive to allow an assessment of how well SPDS objectives are being met and to provide the basis for an NRC regulatory position on SPDS post-implementation reviews. The program is not a compliance review against the requirements of NUREG-0737 Supplement 1, although the cooperating licensees will be given full credit for all requirements met in the event of later evaluations.

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Mr. Ronald J. Rodriguez

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Because of the need to proceed with the SPDS review process, the schedule for completion of the program is very demanding. Your cooperation in assuring that the dates are adhere to is greatly appreciated. The enclosure outlines a typical visit and the information desired. A total of about four NRC staff and contractor personnel will be in attendance. In addition to control room access, camera passes will be needed.

Thank you again for your cooperation in assuring a successful program.

Sincerely,

ORIGINAL SIGNED BY  
JOHN F. STOLZ

John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

Enclosure:  
Typical SPDS Visit  
Agenda and Schedule

cc w/enclosure:  
See next page

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Mr. R. J. Rodriguez  
Sacramento Municipal Utility District      Rancho Seco Nuclear Generating Station

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### Typical SPDS Visit Agenda and Schedule

The staff anticipates that the visits will take two to three days onsite. A typical agenda is provided below to allow the licensee to schedule the specific personnel with which the NRC team will need to interface in order to gather its information in the most efficient manner. A plant specific agenda will be provided prior to the actual visit.

#### First Day

- A.M. Introductions; entrance briefing by NRC followed by licensee's overview of the SPDS program. The licensee will be asked to describe the design and development of the SPDS including definition of user requirements, identification of users, bases for parameter selection, system logic, and electric and electronic isolation. Emphasis should be on changes since SAR was submitted.
- P.M. Licensee's description of human factors analysis in support of SPDS development, including data organization, user guidance features, data display equipment, and user interface devices. Licensee will also be asked to describe the process followed to assure SPDS data reliability and validity, and to provide a description of its verification and validation program.

#### Second Day

- A.M. Licensee's description of the process followed in implementing the SPDS, including coordination with other emergency response capabilities. The team will also wish to discuss training programs, hardware issues, and SPDS availability.
- P.M. The NRC team would like to observe a simulator demonstration, if possible, of the implemented SPDS in real time and to conduct interactive walk-through/talk-throughs. We also anticipate that about two hours will be spent in the control room surveying the installed SPDS.

#### Third Day

- A.M. The team will ask to interview SPDS users in order to evaluate user acceptance and effectiveness of the SPDS. This will be followed by an exit briefing.