

JUN 05 1985

MEMORANDUM FOR: Hugh L. Thompson, Jr., Director
Division of Licensing, NRR

FROM: Dennis F. Kirsch, Acting Director
Division of Reactor Safety and Projects

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - BORON CONCENTRATION
DURING REFUELING TAC NO. 57293

Plant Name: Rancho Seco Nuclear Generating Station

Docket No.: 50-312

Responsible Branch: Operating Reactors Branch No. 4

Project Manager: Sydney Miner

Review Status: Incomplete

This TAC addresses the licensee's request to revise the minimum boron concentration required during periods of refueling. In order to complete our review of this request, we find we need additional information as specified in the enclosed draft letter to the licensee. If you concur with this need, please transmit this letter to the licensee at your earliest convenience.

If you have any questions, please call Jerry Zwetzig at FTS 463-3749.

Original signed
Dennis F. Kirsch, Acting Director
Division of Reactor Safety and
Projects

Enclosure:
Draft letter to licensee with enclosure

cc:
S. Miner, NRR
J. Thoma, NRR
G. Lainas, NRR
J. Eckhardt, RV
L. Miller, RV
R. Pate, RV
G. Zwetzig, RV
Via: 5520: Division of Licensing, NRR
ID: Rancho TAC No. 52955

Z
ZWETZIG/dot

6/4/85

K
KIRSCH

6/4/85

RP
PATE

6/4/85

ML
MILLER

6/4/85

8506110244 850605
PDR ADOCK 05000312
P PDR

ML50
11

D R A F T

Docket No. 50-312

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

Dear Mr. Rodriguez:

SUBJECT: BORON CONCENTRATION DURING REFUELING

The staff is conducting its review of your request for a change in the minimum boron concentration required during periods of refueling. Based on our review as of this date, we have identified the need for additional information as listed in the enclosure. It is requested that you provide this information within 45 days of receipt of this letter.

This request for information was approved by the Office of Management and Budget under clearance number XXXX-XXXX. Comments on burden and duplication may be directed to the Office of Management and Budget, Reports Management, Room 3208, New Executive Office Building, Washington, D.C. 20503.

Sincerely,

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

Enclosure:
Request for Additional Information

cc w/enclosure:
See next page

ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION
RELATING TO PROPOSED LICENSE AMENDMENT NO. 126
REFUELING BORON CONCENTRATION
RANCHO SECO NUCLEAR GENERATING STATION
DOCKET NO.: 50-312

1. Your submittal of March 18, 1985 states that a boron concentration of 1974 ppm will "...sustain a reactivity condition of $K_{eff} = 0.95$ or less with all control rods removed from the core." (underlining added). Neither the Rancho Seco Updated Safety Analysis Report (containing nuclear data for Cycle 6) or the Reload Report for Cycle 7, however, provide a basis for confirming the correctness of this concentration. Therefore, please provide a copy of the analysis that resulted in this estimate. If the analysis utilizes information from reference documents, please provide applicable extracts from the references.
2. If your review of the information needed for this submittal should reveal an error in the analysis that would increase the required concentration, please provide an appropriate revision to your request and to LER 85-03.