



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20566

NRC PDR

July 23, 1979

Docket No. 50-312

Mr. J. J. Mattimoe
Assistant General Manager and
Chief Engineer
Sacramento Municipal Utility District
6201 S Street
P. O. Box 15830
Sacramento, California 95813

Dear Mr. Mattimoe:

In our ongoing review of your previous submittals concerning the susceptibility of the Rancho Seco Nuclear Generating Station to degraded grid voltages, we find that we need further information in order to complete our review. The enclosed "Request for Additional Information" specifies the information required.

It is requested that you provide the requested information within 45 days of receipt of this letter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert W. Reid".

Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

Enclosure:
Request for Additional
Information

cc w/enclosure: See next page

800 063
7908080214

Sacramento Municipal Utility
District

cc w/enclosure(s):

David S. Kaplan, Secretary and
General Counsel
6201 S Street
P. O. Box 15830
Sacramento, California 95813

Sacramento County
Board of Supervisors
827 7th Street, Room 424
Sacramento, California 95814

California Energy Commission
AITN: Librarian
1111 Howe Avenue
Sacramento, California 95825

Business and Municipal Department
Sacramento City-County Library
928 I Street
Sacramento, California 95814

Director, Technical Assessment
Division
Office of Radiation Programs
(AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection Agency
Region IX Office
ATTN: EIS COORDINATOR
215 Fremont Street
San Francisco, California 94111

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 420, 7735 Old Georgetown Road
Bethesda, Maryland 20014

Mr. Frank Hahn
California Energy Commission
1111 Howe Avenue
Sacramento, California 95825

Ms. Eleanor Schwartz
California State Office
600 Pennsylvania Avenue, S.E., Rm. 201
Washington, D.C. 20003

Docketing and Service Section
Office of the Secretary
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Michael L. Glaser, Esq.
1150 17th Street, N.W.
Washington, D.C. 20036

Dr. Richard F. Cole
Atomic Safety and Licensing Board
Panel
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Frederick J. Shon
Atomic Safety and Licensing Board
Panel
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Timothy V. A. Dillon, Esq.
Suite 380
1850 K Street, N.W.
Washington, D.C. 20006

Mr. Mark Vandervelden
Ms. Joan Reiss
Mr. Robert Christopherson
Friends of the Earth
California Legislative Office
717 K Street, #208
Sacramento, California 95814

Sacramento Municipal Utility
District

cc w/enclosure(s):

Atomic Safety and Licensing Board
Panel
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Atomic Safety and Licensing Appeal
Board Panel
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Richard D. Castro
2231 K Street
Sacramento, California 95814

Mr. Gary Hursh, Esq.
520 Capital Mall
Suite 700
Sacramento, California 95814

California Department of Health
ATTN: Chief, Environmental
Radiation Control Unit
Radiological Health Section
714 P Street, Room 498
Sacramento, California 94814

499 065

REQUEST FOR ADDITIONAL INFORMATION

RANCHO SECO

DEGRADED GRID VOLTAGE

1. In our Safety Evaluation forwarded on June 3, 1977, staff position 1(e) states that "The voltage monitors shall be designed to satisfy the requirements of IEEE Std. 279-1971." Your letter dated January 9, 1978, stated that seismic and quality assurance requirements will be met. Describe how your proposed undervoltage protection scheme complies with other design criteria of the standard.

2. In your submittal of September 17, 1976, item 1g had stated that the continuous operation range of 4160V rated motors is 3744 to 4576 Volts and that of the 460V motors is 414 to 566 volts. Submit your analysis to show how the one level undervoltage protection (Table 3.5.3 of your letter dated June 20, 1978 gives a setpoint of $3536V + 36V$ with a time delay of 2.75 seconds + 0.25 seconds) assures that the safety related equipment is not subjected voltages that could cause damage to the equipment. The analysis should also address how the proposed time delay will preclude spurious trips for short duration degradation and motor starting voltage conditions.

499 066