



SACRAMENTO MUNICIPAL UTILITY DISTRICT ☐ 6201 S Street, Box 15830, Sacramento, California 95813; (916) 452-3211

April 8, 1975

POOR ORIGINAL

Director
Directorate of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545



Re: Operating License DPR-54
Docket No. 50-312
Unusual Event 75-1

Dear Sir:

As defined by Technical Specifications "Appendix B", Section 5.6.2.C, we are reporting the following Unusual Event as AO-75-1.

During normal operation at Rancho Seco chlorine is injected into the Circulation Water System to control algae. The additions are at high concentration to "shock" the organisms affixed to the turbine condenser and increase the total circulating water system to approximately 1.0 ppm chlorine. The programmed injection starts twice a day at 0900 and 2100 and terminates at 1030 and 2230. The sequence involves 1/2 hour injection into the south condenser, 1/2 hour into the Plant Cooling Water System (part of the Circulating Water System), and 1/2 hour into the north condenser. When the system is operating at power the chlorine is removed from the warm water when sprayed through the cooling towers.

On March 22, 1975, the reactor was shutdown but the Circulating Water System was continued in operation until the next day. The system was shutdown the morning of March 23 just after the chlorine injection. With the Circulating Water Pumps secured the tower sprays caused a temporary overflow condition. Effluent samples taken after overflow were a maximum of 1.5 ppm chlorine. The chlorine decreased to within the Technical Specification "Appendix B", Section 2.2 limit within two hours.

Two conditions will be initiated to prevent reoccurrence of this event:

- 1) A change to the operating procedure will be made to require a chlorine sample during normal shutdown of the circulating water system. The sample must be less than the T. S. limit prior to securing all the Circulating Water Pumps.
- 2) The intent of the Technical Specifications is to use an average of the daily samples analyzed. This method is used for the California Regional Water Quality Control Board and will be the basis for future reporting requirements.

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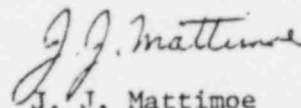
Director
Directorate of Licensing

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We feel if the above conditions are put into effect the safety of the environment will be assured and a reoccurrence of this event will be prevented.

Respectfully



J. J. Mattimoe
Assistant General Manager
and Chief Engineer

R. H. Engelken, Region V