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MPC&D 05-088

August 17, 2005

U.S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555

Docket No. 50-312
Rancho Seco Nuclear Generating Station
License No. DPR-54

**COMPARISON OF DOSE IMPACTS FROM ALTERNATIVE EXPOSURE
SCENARIOS**

Attention: John Hickman

Attached is a copy of Decommissioning Technical Basis Document DTBD-05-001 "Comparison of Dose Impacts from Alternative Exposure Scenarios," Revision 0. The purpose of this DTBD is to evaluate the dose impacts of alternative exposure scenarios compared to the exposure from the industrial worker scenario.

Although we consider the industrial worker scenario to be the most likely scenario for Rancho Seco, and will use this scenario in the development of our License Termination Plan, we developed this DTBD to evaluate the following:

1. The dose impact using a resident farmer scenario at specified times following license termination (partial site release).
2. The dose impact of maintaining an Industrial Area but allowing cattle grazing within impacted areas outside the Industrial Area and consumption of meat from the grazing cattle by an offsite member of the public.

As they become available, we will submit additional DTBDs in anticipation that the review of these documents will facilitate NRC review and approval of the LTP.

NMSS01

Members of your staff with questions requiring additional information or clarification may contact Bob Jones at (916) 732-4843.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Redeker". The signature is written in a cursive, slightly slanted style.

Steve Redeker
Manager, Plant Closure and Decommissioning

Attachment

Cc w/ attachment: B.S. Mallett, NRC, Region IV