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DPG 10-078

March 31, 2010

REIRS Project Manager
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

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

Docket No. 72-11
Rancho Seco Independent Spent Fuel Storage Installation
License SNM-2510

10 CFR 20.2206 ANNUAL REPORT OF INDIVIDUAL MONITORING AND REGULATORY GUIDE 1.16 ANNUAL EXPOSURE REPORT

Attention: REIRS Project Manager

In accordance with 10 CFR 20.2206, Rancho Seco Quality Manual Appendix A, Sections 1.5.2.1 and 1.5.2.2, and the guidance in Regulatory Guide 1.16, we are providing the following information regarding monitoring radiation exposure for individuals and the annual exposure report.

No individual monitoring was performed at Rancho Seco in 2009. Since late 2008, the only remaining radiation area at Rancho Seco is the area immediately adjacent to the stored fuel at the Independent Spent Fuel Storage Installation (ISFSI). Entries into the radiation area are made infrequently, and for relatively short durations. In addition, no movement of any of the stored radioactive material at Rancho Seco is currently planned, including both spent fuel at the ISFSI and stored low-level radioactive waste in the Interim Onsite Storage Building (IOSB). Therefore, it is unlikely that any individual could receive an occupational radiation exposure greater than the values indicated in 10 CFR 20.1502(a) and no personnel monitoring for radiation exposure was required or performed in 2009. Areas adjacent to the stored materials in the IOSB exhibit radiation levels that would require monitoring if they were accessible, as would be the case during movement of the materials. If and when the stored radioactive materials are moved, personnel will be monitored for occupational radiation exposure.

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In addition, no areas exist at the facility that are controlled for purposes of limiting intake of radioactive materials (i.e., no areas of airborne or loose contamination). Therefore, it is unlikely that any individual could receive an occupational radiation exposure greater than the values indicated in 10 CFR 20.1502(b) and no personnel monitoring for intake of radioactive materials was required or performed in 2009.

If you or members of your staff have questions requiring additional information or clarification, please contact me at (916) 732-4817.

Sincerely,

Einar Ronningen

Superintendent, Rancho Seco Assets

Cc: NRC Region IV