

SACRAMENTO MUNICIPAL UTILITY DISTRICT  
DOCKET NO. 72-11  
RANCHO SECO INDEPENDENT SPENT FUEL STORAGE INSTALLATION  
AMENDMENT TO MATERIALS LICENSE NO. SNM-2510

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application filed by the Sacramento Municipal Utility District (the applicant) for a materials license to receive, store, and transfer spent fuel from the Rancho Seco Nuclear Generating Station into an independent spent fuel storage installation (ISFSI) located at its Rancho Seco Nuclear Generating Station site, meets standards and requirements of the Atomic Energy Act of 1954, as amended (Act), and the Commission's regulations set forth in 10 CFR Chapter I;
  - B. The Rancho Seco ISFSI will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
  - C. The proposed site complies with the criteria in Subpart E of 10 CFR Part 72;
  - D. The proposed ISFSI will not pose an undue risk to the conduct of activities pursuant to 10 CFR Part 50 at the Rancho Seco Nuclear Generating Station;
  - E. The applicant's proposed ISFSI design complies with the criteria in 10 CFR Part 72, Subpart F;
  - F. The applicant is qualified by reason of training and experience to conduct the operation covered by the regulation in 10 CFR Part 72;
  - G. The applicant's proposed operating procedures to protect health and to minimize danger to life and property are adequate;
  - H. The applicant is financially qualified to engage in the activities in accordance with the regulations in 10 CFR Part 72;
  - I. The applicant's proposed quality assurance plan complies with 10 CFR Part 72, Subpart G;
  - J. The applicant's proposed physical protection provisions comply with 10 CFR Part 72, Subpart H;
  - K. The applicant's proposed personnel training program complies with 10 CFR Part 72, Subpart I;
  - L. The applicant's proposed decommissioning plan pursuant to 10 CFR 72.30 provides reasonable assurance that the decontamination and decommissioning

of the Rancho Seco ISFSI at the end of its useful life will provide adequate protection to the health and safety of the public;

- M. The applicant's proposed emergency plan complies with 10 CFR 72.32;
  - N. The applicant has satisfied the applicable provisions of 10 CFR Part 170;
  - O. There is reasonable assurance that (1) the activities authorized by this license can be conducted without endangering the health and safety of the public, and (2) such activities will be conducted in compliance with the regulations of the Commission set forth in 10 CFR Chapter I; and
  - P. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public.
2. Accordingly, based on the foregoing findings, Materials License SNM-2510, Amendment 1, is hereby amended by the enclosed changes to SNM-2510.
  3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Robert J. Lewis, Chief  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: Amended License Page 1-2

Date of Issuance: April 18, 2005

## LICENSE FOR INDEPENDENT STORAGE OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Part 72, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, and possess the power reactor spent fuel and other radioactive materials associated with spent fuel storage designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified herein.

Licensee  1. Sacramento Municipal Utility District	3. License No.               SNM-2510  Amendment No.            2
2. Rancho Seco Nuclear Generating Station 14440 Twin Cities Road Herald, California 95638	4. Expiration Date           June 30, 2020
	5. Docket or Reference No.   72-11

6. Byproduct, Source, and/or Special Nuclear Material  A. Spent fuel from Rancho Seco Nuclear Generating Station and associated fuel assembly control components, and radioactive materials related to the receipt, storage, and transfer of the fuel assemblies.  B. Greater than Class C Waste, non fuel related material generated as a result of plant operations and decommissioning where radionuclide concentration limits of 10 CFR 61.55 are exceeded.	7. Chemical and/or Physical Form  A. Spent fuel assemblies and damaged fuel assemblies as UO <sub>2</sub> clad with Zircaloy-4.  B. Greater than Class C Waste, as activated metals comprised of miscellaneous solid waste resulting from the segmentation and decommissioning process.	8. Maximum Amount That Licensee May Possess at Any One Time Under This License  A. 228.8 MTU of intact spent fuel assemblies and damaged fuel assemblies.  B. 13.61 MT (30,000 lbs) of Greater than Class C Waste.
---	---	--

9. Authorized Use: For use in accordance with statements, representations, and the conditions of the Technical Specifications and Rancho Seco ISFSI Safety Analysis Report (SAR) dated October 4, 1991, as revised or supplemented on October 27, 1993; January 28, May 28, and November 24, 1999; and February 24, March 2, 2000, July 29, 2004, and December 2, 2004.

The material identified in 6.A , 6.B and 7.A and 7.B. above is authorized for receipt, possession, storage, and transfer. Storage is authorized only in Horizontal Storage Modules of the NUHOMS design as described in the SAR.

10. Authorized Place of Use: The licensed material is to be received, possessed, transferred, and stored at the Rancho Seco ISFSI located on the Rancho Seco Nuclear Generating Station site in Sacramento County, California, near Herald, California.

11. The Technical Specifications contained in the Appendix attached hereto are incorporated into the license. The licensee shall operate the installation in accordance with the Technical Specifications in the Appendix. The Appendix contains Technical Specifications related to Environmental Protection to satisfy the requirements of 10 CFR 72.44(d)(2).

**LICENSE FOR INDEPENDENT STORAGE OF SPENT NUCLEAR  
FUEL AND HIGH-LEVEL RADIOACTIVE WASTE  
SUPPLEMENTARY SHEET**

License No.

SNM-2510

Amendment No.

2

Docket or Reference No.

72-11

12. The licensee shall follow the physical protection plan entitled "Sacramento Municipal Utility District Rancho Seco Independent Spent Fuel Storage Installation (ISFSI) Physical Protection Plan (PPP)," Amendment 0, dated February 1, 2000, and the safeguards contingency plan incorporated therein as Chapter 10, "Contingency Response Plan and Procedures," and as they may be further amended under the provisions of 10 CFR 72.44(e) and 72.186(b).

The licensee shall follow the security organization personnel training and qualification plan entitled "Sacramento Municipal Utility District Rancho Seco Independent Spent Fuel Storage Installation (ISFSI) Training and Qualification Plan (T&QP)," Revision 0, dated February 1, 2000, and as it may be further amended under the provisions of 10 CFR 72.44(e) and 72.186(b).

13. Fuel and cask movement and handling activities that are to be performed in the Rancho Seco Nuclear Generating Station Fuel Storage Building will be governed by the requirements of the Rancho Seco Nuclear Generating Station Operating License (DPR-54) and associated Technical Specifications.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

Robert J. Lewis, Chief  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards  
Washington, DC 20555

Date of Issuance: June 30, 2000

As amended by  
Amendment 2 dated: April 18, 2005

Attachment: Appendix - Technical Specifications