



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

July 3, 2017

Mr. Dan Tallman  
Manager, Rancho Seco Assets  
Sacramento Municipal Utility District  
6201 S. Street  
P.O. Box 15830  
Sacramento, CA 95852-0830

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO THE PROPOSED  
AMENDMENT TO SPECIAL NUCLEAR MATERIALS LICENSE NO. 2510 (CAC  
NO. L25183)

Dear Mr. Tallman:

By letter dated January 17, 2017, Sacramento Municipal Utility District submitted to the U.S. Nuclear Regulatory Commission (NRC) an amendment request to the Special Nuclear Materials (SNM) license number SNM-2510 for the Rancho Seco Independent Spent Fuel Storage Installation. The proposed amendment request seeks to add a license condition allowing the storage of byproduct nuclear material to check functionality of radiation detection instruments.

The NRC staff has determined that additional information is required to complete its technical review of your application. The request for additional information is identified in the enclosure to this letter. We request that you provide the information by August 18, 2017.

When responding to this additional information request, hard copy responses must be submitted under oath and affirmation pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Section 72.16(b), and electronic responses should conclude with a statement similar to the following, as explained in Regulatory Issue Summary 01-005 "Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML003768343): "I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge. Executed on [date]."

In addition, because your January 17, 2017 electronic submittal did not contain the statement in Regulatory Issue Summary 01-005, your additional information request response should indicate that either the oath and affirmation or the Regulatory Issue Summary 01-005 statement submitted with your additional information request response also applies to your January 17, 2017 amendment request. An example of this can be found using ADAMS Accession No. ML17157B369. If you have any questions regarding this matter, please contact me at (301) 415-6877.

Sincerely,

**/RA/**

Chris Allen, Project Manager  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-11  
License No.: SNM-2510

CAC No.: L25183

Enclosure: Request for Additional Information

RANCHO SECO INDEPENDENT SPENT FUEL STORAGE INSTALLATION MATERIALS  
LICENSE NO. SNM-2510 – ACCEPTED FOR REVIEW (CAC NO. L25183), DOCUMENT  
DATE: JULY 3, 2017

DISTRIBUTION:

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|--------------|---------|-------------------------|-----------|--|
| <b>OFC:</b>  | SFM     | SFM                     | SFM       |  |
| <b>NAME:</b> | WAllen  | SFigueroa<br>via e-mail | JMcKirgan |  |
| <b>DATE:</b> | 6/28/17 | 6/28/17                 | 7/3/17    |  |

**OFFICIAL RECORD COPY**

Request for Additional Information  
Sacramento Municipal Utility District  
Docket No. 72-11

Proposed Amendment to Special Nuclear Materials License No. SNM-2510

By letter dated January 17, 2017, Sacramento Municipal Utility District submitted to the U.S. NRC an amendment request to the Special Nuclear Materials (SNM) license number SNM-2510 for the Rancho Seco Independent Spent Fuel Storage Installation. The proposed amendment request seeks to add a license condition allowing the storage of byproduct nuclear material to check functionality of radiation detection instruments.

**License Conditions**

1. Provide the radioactive byproduct source model number.

The model number will allow staff to search the sealed source and device registry to determine if either the NRC or an Agreement State has evaluated the radioactive byproduct source and made a determination on the ability of the radioactive byproduct source to protect health and minimize danger to life and property.

Staff needs this information to determine if the radioactive byproduct source meets the regulatory requirements of 10 CFR 72.24(e).

2. Revise the Final Safety Analysis Report to identify the manner in which the radioactive byproduct source will be stored, controlled and used as well as the individual(s) responsible for storage, use and control of the radioactive byproduct source.

Because the current version of the applicant's Final Safety Analysis Report does not discuss the radioactive byproduct source, the applicant needs to update the Final Safety Analysis Report to identify how the radioactive byproduct source will be stored, controlled and used as well as who will be responsible for the storage, control and use of the radioactive byproduct source. An example of such information can be found at ADAMS Accession No. ML072750256.

Staff needs this information to determine if the applicant meets the regulatory requirements of 10 CFR 72.24(e).

3. State if leak test and contamination analyses will be performed by the applicant, and provide test procedures if necessary.

Radioactive byproduct sources must be checked periodically for leakage and contamination, and personnel licensed either by the NRC or an agreement state must analyze the test results. The applicant needs to identify if they intend to analyze the leak test and contamination results, and provide procedures for analyzing the leak test and contamination results for staff review; otherwise, the applicant needs to identify that analysis of leak test and contamination results will be performed by an individual licensed either by the NRC or an Agreement State.

Staff needs this information to determine if the applicant meets the regulatory requirements of 10 CFR 72.24(e).