



Department of Energy

Idaho Operations Office
1955 Fremont Avenue
Idaho Falls, ID 83415

May 31, 2013

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Office of Nuclear Material Safety and Safeguards
Director Division of Spent Fuel Storage and Transportation
Washington, DC 20555-0001

SUBJECT: Submittal of the Safety Analysis Update Report for the Fort Saint Vrain Independent Spent Fuel Storage Installation, Docket 72-9, SNM-2504 (EM-FMDP-13-037)

REFERENCE: Letter, M. D. Waters, Chief NRC Licensing Branch to K. Whitham, DOE-ID Facilities License Manager, Subject: Materials License SNM-2504 for the Fort St. Vrain Independent Spent Fuel Installation, dated July 18, 2011

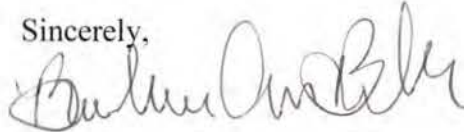
Dear Sir or Madam:

Materials license SNM-2504 to possess nuclear material and operate the Fort St. Vrain (FSV) Independent Spent Fuel Storage Installation was issued to Public Services Company of Colorado November 30, 1991. The license was transferred to the Department of Energy's Idaho Operation Office (DOE-ID) June 4, 1999. July 18, 2011, the license was extended for 20 years through November 30, 2031.

Pursuant to 10 CFR 72.70, Safety Analysis Report Updating, DOE-ID submits the enclosed Update Report 72-9/2013-01 and replacement pages for the Final Safety Analysis Report. The change was made to SAR Chapter 9, Conduct of Operations, Section 9.8, Aging Management, found on page 9-29. The change incorporates a new requirement provided in the NRC Safety Evaluation Report (SER) transmitted via the reference document on page 14, section 4.5, Changes to the Technical Specifications, item #4. Please note that license SNM-2504, Appendix A, Technical Specifications, section 5.5.5, Aging Management Program page 5.5-4 does not record this required inspection and, therefore, it was added to the SAR in Chapter 9.

If you have any questions, please contact me at (208) 526-0235.

Sincerely,

A handwritten signature in cursive script, appearing to read "Barbara A. Beller".

Barbara A. Beller
Facilities License Manager

Enclosures
cc: NRC Region IV
G. Hall, CWI
T. Borst, CWI

FSV ISFSI SAR Update
FSV ISFSI 72.48 Evaluations
FSV ISFSI TS 5.5.1 Evaluations
FSV ISFSI TS 5.5.2 Evaluations
FSV ISFSI TS 5.5.3 Evaluations

Introduction

Materials license SNM-2504 to operate the Fort St. Vrain (FSV) Independent Spent Fuel Storage Installation (ISFSI) was transferred to the Department of Energy's Idaho Operations Office (DOE-ID) from Public Service Company of Colorado. The date of the transfer was June 4, 1999. This update report provides the following reports, which were last updated in June 2011:

- The biennial SAR update pursuant to 10 CFR 72.70, Safety Analysis Report Updating. The SAR update is provided in the section titled "Description of Changes to the Safety Analysis Report" and in the enclosure providing the SAR replacement pages.
- The biennial 72.48 evaluations report pursuant to 10 CFR 72.48. This report, comprised of summaries of evaluations of changes made pursuant to 10 CFR 72.48, is provided in the section titled "Changes, Tests, and Experiments."
- The biennial Technical Specifications Bases evaluations report pursuant to TS 5.5.1. This report is provided in the section titled "Changes to the Technical Specification Bases."
- The biennial essential program evaluations report pursuant to TS 5.5.2. This report covers changes made to three of DOE's essential programs and is provided in the sections titled "Radiological Environmental Monitoring Program Changes," "Training Program Changes," and "Quality Assurance Program Changes." (Note: The changes to the Physical Protection Program and the Emergency Response Program are provided separately because of the reporting time frames required by 10 CFR 72.44 (e) and (f), respectively).
- The biennial Natural Gas and Oil Monitoring Program report pursuant to TS 5.5.3. This report is provided in the section titled "Natural Gas and Oil Infrastructure Changes."

This report is provided in a combined format because many of the changes described in the SAR Update are also covered by evaluations of changes made without NRC approval pursuant to 10 CFR 72.48, TS 5.5.1, TS 5.5.2 and TS 5.5.3. TS 5.5.1 requires 72.48 evaluations to be performed for any change to the Technical Specification Bases. TS 5.5.2 requires an evaluation of the change in program effectiveness (similar to the requirements of 10 CFR 72.44(e) and (f)) for changes to the ISFSI Radiological Environmental Monitoring Program, Training Program, and Quality Assurance Program. These three programs are contained in the ISFSI SAR. TS 5.5.3 requires that new natural gas and oil infrastructure installed within one-half mile of the ISFSI and bounded by the analysis done for Amendment 1 be reported with the periodic SAR updates.

Attachments

FSV ISFSI SAR Chapter 9

Section I- Description of Changes to the Safety Analysis Report

There were no changes made to the proprietary appendices or figures in the FSV SAR. The previous update of the FSV ISFSI SAR made pursuant to 10 CFR 72.70 was provided in June, 2011.

Changes were made to Chapter 9, since June 2011.

Description of Changes

Changes were made to Section 9.8 Aging Management by adding "The gas inside one FSC in each of the six vault modules will be sampled for hydrogen no later than June 2015. The FSCs selected will be the same six FSCs scheduled for seal leak testing."

Summary of Evaluations

The change to the Aging Management Program resulted in no change in the Technical Specifications and no exemption from the regulations. Facility design and operation parameters were not changed.

Section II - Changes, Tests, and Experiments

The previous report of changes made pursuant to 10 CFR 72.48 was provided in June, 2011.

There were no changes made pursuant to 10 CFR 72.48 during this period.

Section III - Changes to the Technical Specification Bases

The previous update of the Technical Specification Bases made pursuant to TS 5.5.1 was provided in June 2011.

There were no changes made to the Technical Specifications Bases during this period

Section IV - Radiological Environmental Monitoring Program Changes

The previous update of the Radiological Environmental Monitoring Program made pursuant to TS 5.5.2 was provided in June 2011.

There were no changes made to the Radiological Environmental Monitoring Program during this period.

Section V - Training Program Changes

The previous update of the Training Program made pursuant to TS 5.5.2 was provided in June 2011.

There were no changes made to the Training Program during this period.

Section VI - Quality Assurance Program Changes

The previous update of the Quality Assurance Program made pursuant to TS 5.5.2 was provided in June 2011.

There were no changes made to the Quality Assurance Program during this period.

Section VII- Natural Gas and Oil Infrastructure Changes

The previous update of the Natural Gas and Oil Infrastructure made pursuant to TS 5.5.3 was provided in June 2011.

There were no changes made to the Natural Gas and Oil Infrastructure during this period.