



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

February 8, 2016

Mr. Richard J. Freudenberger, Director
Safety and Safeguards
Nuclear Fuel Services, Inc.
P.O. Box 337, MS 123
Erwin, TN 37650

SUBJECT: NUCLEAR FUEL SERVICES, INCORPORATED, REQUEST FOR
SUPPLEMENTAL INFORMATION CONCERNING RESPONSE TO
GENERIC LETTER 2015-01

Dear Mr. Freudenberger:

We have reviewed your response to Generic Letter 2015-01, "Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities," dated October 2, 2015. Our review has identified that supplemental information is needed to complete our review.

The specific requests for supplemental information are provided below. The information should be provided to us within 30 days from the date of this letter.

1. The generic letter requested you to describe the accident sequences as a result of natural phenomena events. Your response stated that no accident sequences were identified. Please provide the basis for your response.
2. As stated in sections 1.3.2 and 1.5.2 of NFS Site ISA Summary, for the buildings and internal components (tanks, supporting racks, etc.) that contain operations involving license material; provide the code of record used for the design, design basis event, and design calculations used for seismic and high winds events.
3. For the building codes identified in Question 2 above, describe how the code bounds the loads expected from the natural phenomena events defined in the NFS Site ISA Summary.
4. As stated in section 1.3.3 NFS Site ISA summary; provide the basis for obtaining a probability of tornado of 7.1 E-6 per square mile per year and average probability of 3.3 E-7 per year for a direct hit at the site.
5. Provide a description of the results of the seismic evaluation performed in 2014 and how the preliminary results supports the assumptions made in NFS site ISA sections 1.3.2 and 1.5.2.

This information is necessary to verify compliance with:

- Title 10 of the *Code of Federal Regulations* (10 CFR) Paragraph 70.62(c)(1)(iv) requires a license to conduct and maintain an integrated safety analysis, that is of appropriate detail for the complexity of the process, that identifies potential accident sequences caused by process deviations or other events internal to the facility and credible external events, including natural phenomena.

- 10 CFR 70.62(c)(1)(v) requires a license to conduct and maintain an integrated safety analysis, that is of appropriate detail for the complexity of the process, that identifies the consequence and the likelihood of occurrence of each potential accident sequence identified pursuant to paragraph (c)(1)(iv) of this section, and the methods used to determine the consequences and likelihoods.

We acknowledge the following interactions with your staff:

- NFS staff participated in a call November 6, 2015, where these questions were discussed. A summary of the call is available in the U.S. Nuclear Regulatory Commission (NRC's) Agencywide Documents Access and Management System (ADAMS) under ML15314A707.
- During the week of January 11, 2016 your staff informed us that the contractor's report had been received and was available for review at the site. A site visit has been scheduled for February 23, 2016.
- By letter dated January 18, 2016, information regarding bounding accident scenarios was submitted for our review.

In accordance with Title 10 of the *Code of Federal Regulations* 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records Component of ADAMS. ADAMS is accessible from the NRC Web site at: <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions concerning this letter, please contact Kevin Ramsey of my staff at (301) 415-9116, or via e-mail to Kevin.Ramsey@nrc.gov.

Sincerely,

/RA/

Robert K. Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-143
License No.: SNM-124

cc: Andrew Sabisch, Nuclear Fuel Service

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ADAMS Accession No.: ML15348A029

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NAME	KRamsey	JMarcano	TBrockington	RKJohnson	CErlanger
DATE	Non-Concur	02/4/2016	12/18/2015	01/18/2016	02/8/2016

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