



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

October 4, 2021

MEMORANDUM TO: Jacob I. Zimmerman, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: James R. Downs, Senior Project Manager
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF SEPTEMBER 13–14, 2021, CLOSED MEETINGS TO
DISCUSS A NEW PROCESS TO PURIFY URANIUM AT NUCLEAR
FUEL SERVICES, INC.

On September 13–14, 2021, the U.S. Nuclear Regulatory Commission held two closed meetings with Nuclear Fuel Services, Inc. (NFS) to discuss a new process to purify uranium at their facility in Irwin, Tennessee. The meeting notices are available in the NRC's Agencywide Documents Access and Management System at Accession No. ML21245A298 and ML21245A297. The presentation slides from both meetings are not publicly available due to the proprietary nature of the information contained there within. These were teleconference meetings, and an attempt was made to capture a list of the attendees as they called into the meetings. The enclosed attendance list provides the attendees for each meeting, as captured by the NRC staff who helped facilitate the meeting.

During the meetings, the NFS staff provided a general overview of their progress on the technical design for facility changes to support the National Nuclear Security Administration contract for highly enriched uranium conversion and purification services. In addition to the general overview, NFS presented more detailed information on their consideration of:

- Integrated safety analysis, nuclear criticality safety, radiation protection, and fire safety (on September 13, 2021); and
- Emergency preparedness (on September 14, 2021).

CONTACT: James R. Downs, NMSS/DFM
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During the NFS presentations, the NRC staff asked several questions intended to raise awareness of details that may need to be more fully discussed in the future. NFS stated that they remain on track to submit the license amendment request in November 2021.

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

Enclosure:
Attendance List

cc: nfs@listmgr.nrc.gov

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A NEW PROCESS TO PURIFY URANIUM AT NUCLEAR FUEL SERVICES,
INC.

DATE: OCTOBER 4, 2021

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***via e-mail**

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| OFFICE | NMSS/DFM/ FFLB/PM* | NMSS/DFM/ FFLB/LA* | NMSS/DFM/ FFLB/BC* | NMSS/DFM/ FFLB/PM* |
| NAME | JDowns | ELee | JZimmerman | JDowns |
| DATE | 09/28/2021 | 09/29/2021 | 10/04/2021 | 10/04/2021 |

OFFICIAL RECORD COPY

ATTENDANCE LIST

September 13, 2021:

From Nuclear Fuel Services, Inc. (NFS):

Nick Brown; Mike Eakin; Scott Frazier; Ken Givens; Scott Gizzie; Brad Graham; Melinda Graham; Adam Harber; John Nagy; Danielle Rogers; Emily Senter; Sam Skiles; Gail Tapp; Larry Tester; Molly Underwood; and Christian Williams

From the U.S. Nuclear Regulatory Commission (NRC):

Jimmy Chang; James Downs; Jim Hammelman; Jeremy Munson; April Smith; and Joel Rivera-Ortiz

September 14, 2021:

From NFS:

Sara Barron; Scott Gizzie; Brad Graham; Melinda Graham; Marie Moore; John Nagy; Danielle Rogers; and Gail Tapp

From NRC:

James Downs; Larry Harris; Ken Mott; Mike Norris; and Joel Rivera-Ortiz