



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Office of Repository Development  
1551 Hillshire Drive  
Las Vegas, NV 89134-6321  
**MAY 26 2005**

QA: N/A  
Project No. WM-00011

OVERNIGHT MAIL

**ATTN: Document Control Desk**  
Director, Division of High-Level Waste  
Repository Safety  
U.S. Nuclear Regulatory Commission  
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**U.S. DEPARTMENT OF ENERGY (DOE) OFFICE OF REPOSITORY DEVELOPMENT (ORD)  
REQUEST FOR SPECIFIC U.S. NUCLEAR REGULATORY COMMISSION (NRC) REPORTS**

In accordance with the Nuclear Waste Policy Act, as amended, the DOE is responsible for developing a geologic repository at Yucca Mountain, Nevada. The planned design of the repository and corresponding safety analysis includes an aging system similar to licensed dry cask storage systems. The aging system planned for the repository and the surrounding air space are similar to the conditions proposed by the Private Fuel Storage, LLC, and located on the Skull Valley Goshute Indian reservation in Utah. Because of these similarities, reports and information generated at the request of NRC, or as a result of the NRC's review of the Private Fuel Storage project license application, have become important to facilitate interactions between the DOE and NRC. The DOE ORD requests the following documents:

Structural Consequences

1. NRC Staff's Evaluation of Jettisoned Ordnance Impact Effects on the Proposed Private Fuel Storage Facility, Shewmaker, R. E. (U.S. Nuclear Regulatory Commission, Washington, DC, May 11, 2004).
2. NRC Staff's Evaluation of the Structural Consequences of an Accidental F-16 Aircraft Crash Event at the Proposed Private Fuel Storage Facility, Shewmaker, R. E., Bjorkman, G. S. (U.S. Nuclear Regulatory Commission, Washington, DC, May 11, 2004).
3. Confirmatory Structural Analyses of an Accidental F-16 Crash Event onto the Proposed Private Fuel Storage Facility (HI-STORM 100 Dry Cask Storage System), Kalan, R. J., Gwinn, K. W., Metzinger, K. E., and Ammerman, D. J. (Sandia National Laboratories, Albuquerque, NM, May 11, 2004).
4. Confirmatory Analysis of an Accidental F-16 Crash Event onto the Proposed Private Fuel Storage Facility – Canister Transfer Building, Aramayo, G. A. (Oak Ridge National Laboratory, Oak Ridge, TN, May 11, 2004).

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Evaluation of State of Utah's Analyses of Structural Consequences

5. NRC Staff's Evaluation of the State of Utah's Report: Structural Evaluation of Impacts from F-16 Aircraft and Military Ordnance on Holtec HI-STORM 100 Overpack and Multi-Purpose Canister, Bjorkman, G. S. (U.S. Nuclear Regulatory Commission, Washington, DC, May 11, 2004).
6. Review of State of Utah's Analysis of the Private Fuel Storage Facility for Impact from MK-84 Ordnance and F-16 Aircraft Consequences, Aramayo, G. A. (Oak Ridge National Laboratory, Oak Ridge, TN, May 11, 2004).

Jet Fuel Fire

7. NRC Staff's Evaluation of a Potential Fuel Fire at the Proposed Private Fuel Storage Facility in an Accidental F-16 Aircraft Crash Event, Bajwa, C. S. (U.S. Nuclear Regulatory Commission, Washington, DC, May 11, 2004).
8. Confirmatory Thermal Analyses of an Accidental F-16 Crash Event onto the Proposed Private Fuel Storage Facility (HI-STORM 100 Dry Cask Storage System), Lopez, C., Kalan, R. J. (Sandia National Laboratories, Albuquerque, NM, May 11, 2004).

Event Probability

9. NRC Staff's Evaluation of Private Fuel Storage, L.L.C. Aircraft Crash Probability Assessment, Damon, D. R. (U.S. Nuclear Regulatory Commission, Washington, DC, May 11, 2004).

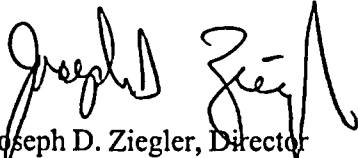
The DOE will meet the requirements of 10 CFR Part 73.21 to ensure that an information protection system is in place to adequately protect the safeguards information. In meeting this requirement, DOE will ensure that paragraphs (b) – (i) of 10 CFR Part 73.21 are met. Specifically, the documents that are being requested will be stored in a locked approved repository with access to the documents controlled by 10 CFR Part 73.21 requirements.

Documents will be received and under the control of the ORD Security Manager. Documents can be mailed to that individual at U.S. Department of Energy, Office of Civilian Radioactive Waste Management, Office of Repository Development, 1551 Hillshire Drive, Las Vegas, NV 89134-6321.

Access to these documents will be controlled by the ORD Security Manager. While in use, matter containing Safeguards Information shall be under the control of an authorized individual. Authorized individuals having a "need to know" and at least a DOE "L" clearance will be allowed access to the Safeguards Information, which will remain stored in a locked security storage container while unattended.

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We appreciate your consideration in this matter. If additional information is required, please contact Richard L. Craun at (702) 794-1488 or e-mail richard\_craun@ymp.gov, or Joseph D. Ziegler at (702) 794-5567 or e-mail joseph\_ziegler@ymp.gov.

  
Joseph D. Ziegler, Director  
Office of License Application and Strategy

OLA&S:DCH-1077

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