

December 16, 2008

MEMORANDUM TO: Margie Kotzalas, Chief  
Mixed Oxide and Uranium  
Deconversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: David Tiktinsky, Senior Project Manager **/RA/**  
Mixed Oxide and Uranium  
Deconversion Branch  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: IN-OFFICE REVIEW SUMMARIES: MIXED OXIDE FUEL  
FABRICATION FACILITY (CHEMICAL SAFETY)

On May 22-23, July 23-24, July 29-31, and August 19-21, 2008, U.S. Nuclear Regulatory Commission staff conducted in-office reviews at the Shaw AREVA MOX Services offices in Bethesda, MD, and Aiken, SC, to discuss the various aspects of chemical safety of the license application for the Mixed Oxide Fuel Fabrication Facility. I am attaching the in-office review

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summaries for your use. These summaries are Official Use Only - Security Related and Proprietary Information.

Docket: 70-3098

Enclosures:

1. Chemical Consequences In-Office Review Summary, July 22-24 and July 29-31, 2008 (OUO)
2. HAN/Hydrazine Events In-Office Review Summary, July 22-24 and July 29-31, 2008 (OUO)
3. Radiolysis Events In-Office Review Summary for May 20-22 and July 23-24, 2008 (OUO)
4. Hydrogen Peroxide Events In-Office Review Summary for August 19-21, 2008 (OUO)

cc: w/o enclosures:

D. Curran, Esq., Nuclear Watch South  
A.J. Eggenberger, DNFSB  
S. Jenkins, SC Dept. of HEC  
G. Carroll, Nuclear Watch South  
D. Gwyn, MOX Services

J. Olencz, NNSA  
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