

July 9, 2009

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 20-22 and October 29, 2008, and January 6-9, 12-15 and February 2-12, 2009, the U.S. Nuclear Regulatory Commission staff conducted in-office reviews at the Shaw AREVA MOX Services offices in Bethesda, Maryland regarding the various aspects of chemical safety of the license application for the Mixed Oxide Fuel Fabrication Facility.

CONTACT: David Tiktinsky, NMSS/FCSS
(301) 492-3229

M. Kotzalas

- 2 -

I am enclosing the in-office review summaries for your use. These summaries are Official Use Only because they contain security-related information and proprietary information.

Docket No.: 70-3098

Enclosures:

1. In-Office Review Summary for May 20-22, 2008, related to plutonium oxalate (OUO)
2. In-Office Review Summary for October 29, 2008 related to items relied on for safety sampling (OUO)
3. In-Office Review Summary for January 6-9 and 13-15, 2009, related to hydroxylamine nitrate (HAN) events (OUO)
4. Shaw AREVA MOX Services handout related to HAN events, January 15, 2009 (OUO)
5. Shaw AREVA MOX Services second handout related to HAN events, January 15, 2009 (OUO)
6. In-Office Review Summary for February 3-12, 2009 related to HAN events (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
S. Glenn, NNSA/SRS
L. Zeller, BREDL
D. Silverman, Esq., MOX Services

OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION, PROPRIETARY
When separated from enclosures, handle as non-sensitive

M. Kotzalas

- 2 -

I am enclosing the in-office review summaries for your use. These summaries are Official Use Only because they contain security-related information and proprietary information.

Docket No.: 70-3098

Enclosures:

1. In-Office Review Summary for May 20-22, 2008, related to plutonium oxalate (OUO)
2. In-Office Review Summary for October 29, 2008 related to items relied on for safety sampling (OUO)
3. In-Office Review Summary for January 6-9 and 13-15, 2009, related to hydroxylamine nitrate (HAN) events (OUO)
4. Shaw AREVA MOX Services handout related to HAN events, January 15, 2009 (OUO)
5. Shaw AREVA MOX Services second handout related to HAN events, January 15, 2009 (OUO)
6. In-Office Review Summary for February 3-12, 2009 related to HAN events (OUO)

cc w/o enclosures:

D. Curran, Esq., Nuclear Watch South	J. Olencz, NNSA
A.J. Eggenberger, DNFSB	S. Glenn, NNSA/SRS
S. Jenkins, SC Dept. of HEC	L. Zeller, BREDL
G. Carroll, Nuclear Watch South	D. Silverman, Esq., MOX Services
D. Gwyn, MOX Services	

DISTRIBUTION:

Docket 70-3098	MShannon, RII	WGloersen, RII
DSeymour, RII	KMorrissey, FCSS	RVirgilio, FSME

ML091540043

OFFICE	FCSS/MB	FCSS/MB	FCSS/MB	FCSS/MB
NAME	DTiktinsky	MNorato	CGibbs	MKotzalas
DATE	06/11/09	07/09/09	07/09/09	07/09/09

OFFICIAL RECORD COPY

OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION, PROPRIETARY
When separated from enclosures, handle as non-sensitive