

August 01, 2008

Mr. Dealis W. Gwyn, Licensing Manager
Shaw AREVA MOX Services
P.O. Box 7097
Aiken, SC 29804-7097

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE REVIEW OF
THE CONFINEMENT SYSTEM SAFETY ASPECTS OF THE MIXED OXIDE
FUEL FABRICATION FACILITY LICENSE APPLICATION REQUEST

Dear Mr. Gwyn:

We have reviewed the information on confinement systems in your license application (LA) submittal dated November 17, 2006, and the Integrated Safety Analysis (ISA) Summary dated September 27, 2006, as revised on December 17, 2007. The submittal requests a license to possess and use radioactive material in the Mixed Oxide Fuel Fabrication Facility (MFFF). The MFFF, which is to be located on the U.S. Department of Energy's (DOE) Savannah River Site in Aiken, South Carolina, will process and fabricate mixed oxide fuel for use in commercial nuclear power plants as part of the DOE plutonium disposition program.

We have enclosed a listing of additional information that is needed by the staff in order to complete the review of the confinement system safety aspects of the MFFF. Please provide us with a summary document describing how our questions were addressed and other changes to licensing documents that may were necessary to incorporate the responses (e.g., LA and ISA Summary change pages). These should be provided within 90 days of the date of this letter.

Please note that Enclosure 1 contains the request for additional information (RAI) for both the LA and the ISA and is official use only. Enclosure 2 is a redacted version of the RAIs that is non-sensitive.

A copy of this letter will be available electronically for public inspection in the U.S. Nuclear Regulatory Commission's (NRC) Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

D. Gwyn

2

If you have any questions, we would be happy to meet with you and other Shaw AREVA MOX Services staff on these issues. Please contact me at (301) 492-3229.

Sincerely,

/RA/

David Tiktinsky, Senior Project Manager
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket: 70-3098

Enclosures:

1. RAIs for Confinement systems (OUO)
2. RAIs for Confinement systems (non-sensitive)

cc: w/o enclosures

G. Smith, NNSA
J. Olencz, DOE
S. Jenkins, SC Dept. of HEC
D. Curran, Esq., NWS
D. McIntyre, OPA

A.J. Eggenberger, DNFSB
L. Zeller, BREDL
G. Carroll, NWS
D. Silverman, Esq.

D. Gwyn

2

If you have any questions, we would be happy to meet with you and other Shaw AREVA MOX Services staff on these issues. Please contact me at (301) 492-3229.

Sincerely,

/RA/

David Tiktinsky, Senior Project Manager
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket: 70-3098

Enclosures:

- 1. RAIs for Fire Safety (OUO)
- 2. RAIs for Fire Safety (non-sensitive)

cc: w/o enclosures

G. Smith, NNSA
 J. Olencz, DOE
 S. Jenkins, SC Dept. of HEC
 D. Curran, Esq., NWS
 D. McIntyre, OPA

A.J. Eggenberger, DNFSB
 L. Zeller, BREDL
 G. Carroll, NWS
 D. Silverman, Esq.

DISTRIBUTION:

MB r/f
 R. Virgilio, FSME W. Gloersen, RII M. Shannon, RII D. Seymour, RII

ML081840037

OFFICE	FCSS/MB		FCSS/MB		FCSS/ECB		FCSS/MB	
NAME	DTiktinsky		CGibbs		TJohnson		MKotzalas	
DATE	7/ 9 /08		7/ 9 /08		7/11/08		8/01/08	