

February 24, 2009

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 MECHANICAL AND FLUID SYSTEMS RELATED ASPECTS OF THE  
LICENSE APPLICATION FOR THE MIXED OXIDE FUEL FABRICATION  
FACILITY LICENSE APPLICATION REQUEST

Dear Mr. Gwyn:

We have reviewed the mechanical and fluid systems related information in your license application submittal, dated November 17, 2006, and the Integrated Safety Analysis Summary dated September 27, 2006, as revised on December 17, 2007. The submittal requests a license, to possess and use, special nuclear, source, and by-product material in the Mixed Oxide Fuel (MOX) Fabrication Facility (MFFF). The MFFF, which is to be located on the Department of Energy's 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 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 mechanical and fluid systems related aspects of the MFFF. The enclosure contains Official Use Only – Security Related Information. Please provide us with a summary document relating how our questions were addressed and any other changes to other licensing documents that may have been necessary to incorporate the responses. The revisions should be provided within 90 days of the date of this letter.

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

D. Gwyn

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In accordance to the Title 10 *Code of Federal Regulations* 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records 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).

Sincerely,

**/RA/**

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

Docket: 70-3098

Enclosure: As stated

cc w/o enclosure:

S. Glenn, NNSA/SRS  
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, MOX Services

When separated from enclosure, handle as non-sensitive

D. Gwyn

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D. Silverman, Esq.  
D. Gwyn, MOX Services

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R. Virgilio, FSME        M. Shannon, RII                      D. Seymour, RII

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<b>OFFICE</b>	MB		MB		MB	
<b>NAME</b>	DTiktinsky		CGibbs		MKotzalas	
<b>DATE</b>	2/ 23 /09		2/ 24 /09		2/ 26 /09	

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