

March 27, 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 CHEMICAL PROCESS SAFETY ASPECTS OF THE LICENSE
APPLICATION AND INTEGRATED SAFETY ANALYSIS SUMMARY FOR THE
MIXED OXIDE FUEL FABRICATION FACILITY

Dear Mr. Gwyn:

We have reviewed the chemical processing 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 (MOX) Fuel Fabrication Facility (MFFF). The MFFF, which is to be located on the U.S. Department of Energy's (DOE's) Savannah River Site in Aiken, South Carolina, will process and fabricate MOX fuel for use in commercial nuclear power plants as part of the DOE's plutonium disposition program.

We have enclosed a list of additional information that is needed by the staff in order to complete the review of the chemical process safety aspects of the MFFF. Enclosure 1 contains Official Use Only – Security Related Information. We have also prepared a non-sensitive version of the request for additional information (Enclosure 2). Please provide us with a response describing how our questions were addressed and any other changes to licensing documents that were necessary to incorporate the response. The response should be provided within 90 days of the date of this letter.

In accordance with 10 CFR 2.390, of the U. S. Nuclear Regulatory Commission's (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).

D. Gwyn

2

Please contact me at (301) 492-3229, if you have any questions.

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:

- 1) Request for Additional Information (OUO-SRI)
- 2) Request for Additional Information (non-sensitive)

cc w/Enclosure 2:

S. Glenn, NNSA/SRS
J. Olencz, DOE
S. Jenkins, SC Dept. of HEC
D. Curran, Esq., NWS

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

D. Gwyn

2

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DATE	3/ 27 /09		3/ 27 /09		3/ 27 /09		3/ 27 /09	

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