August 26, 2009

Mr. Jim Kay, Licensing Manager
Eagle Rock Enrichment Facility
AREVA Enrichment Services LLC
400 Donald Lynch Boulevard
Marlborough, MA 01752

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION -- AREVA ENRICHMENT SERVICES LLC LICENSE APPLICATION FOR THE EAGLE ROCK ENRICHMENT FACILITY (TAC 32707)

Dear Mr. Kay:

We have completed our initial technical reviews regarding the safety and security areas of your license application for a gas centrifuge enrichment facility, the Eagle Rock Enrichment Facility, which is proposed to be constructed and operated in Bonneville County, Idaho. Your application was transmitted by letter dated December 30, 2008, and revised on April 23, 2009. Our review of your application has identified that additional information is needed before the staff can take final action on your license application.

The enclosed Request for Additional Information (RAI) addresses the license application only, including the exemption request in Section 1.2.5 of the safety analysis report related to incremental financial assurance. The enclosed RAI does not address the environmental report (ER). Questions and comments on our review of the ER have been provided separately, by letter dated August 10, 2009.

You will note that Enclosure 2 is non-public as it contains questions related to the integrated safety analysis (ISA) summary, emergency plan, physical security plan, and classified information plan. These questions are Official Use Only because they contain sensitive unclassified security-related information. As you are aware, the NRC Regulatory Issue Summary 2005-31 provides guidance for the submission of security-related sensitive unclassified non-safeguards information by applicants.

Please provide the additional information requested in the attachments within 30 days of the date of this letter.

If you have any questions regarding this letter, please contact me at (301) 492-3110 or via e-mail to breeda.reilly@nrc.gov.

In accordance with 10 *Code of Federal Regulations* 2.390 of the NRC's "Rules of Practice," a copy of this letter and Attachment 1 will be available electronically for public inspection in the 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).

Enclosure 2 contains sensitive, unclassified security information, and is therefore deemed Official Use Only and will not be placed in the Public Document Room nor the Publicly Available Records component of the NRC's Agencywide Documents Access and Management System (ADAMS) document system.

Sincerely,

/RA/

M. Breeda Reilly, Senior Project Manager
Advanced Fuel Cycle, Enrichment, and
Uranium Conversion Branch
Special Projects and Technical Support
Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

Docket No.: 70-7015

Enclosure:
1. Request for Additional Information (Public)
2. Request for Additional Information (Official Use Only)

cc: James Curtiss/Winston & Strawn
George Harper/ AREVA Enrichment Services
Sam Shakir/ AREVA Enrichment Services

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AREVA Website-YES

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