



**NUCLEAR FUEL SERVICES, INC.**  
*a subsidiary of The Babcock & Wilcox Company*

■ 1205 banner hill road ■ erwin, tn 37650 ■ phone 423.743.9141  
 ■ www.nuclearfuelservices.com

30G-10-0491  
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 ACF-10-0337  
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**CERTIFIED MAIL  
 RETURN RECEIPT REQUESTED**

January 10, 2011

Director, Office of Nuclear Material Safety and Safeguards  
 U.S. Nuclear Regulatory Commission  
 Attention: Document Control Desk  
 Washington, DC 20555

REFERENCE: (1) Docket No. 70-143; SNM License 124  
 (2) LEU FNMC Plan Section 1, Revision 7, December 2010  
 Section 2, Revision 5, December 2010  
 Section 3, Revision 10, December 2010  
 Section 4, Revision 7, December 2010  
 Section 5, Revision 5, December 2010  
 Section 7, Revision 3, December 2010  
 Section 8, Revision 5, December 2010  
 Annex, Revision 8, December 2010

**Subject** LEU FNMC Plan Changes

Dear Sir:

Enclosed are three copies of the referenced sections for the Nuclear Fuel Services, Inc. (NFS) Fundamental Nuclear Material Control Plan for SNM of Low Enriched Uranium, submitted under the provisions of 10 CFR Part 70.32. A summary of the changes is as follows:

- Section 1 – The revision includes minor wording changes for clarity and incorporation of License Safeguards Conditions SG-4.15 and SG-4.15.1.
- Section 2 – The revision includes title changes in the organizational structure.
- Section 3 – The revision includes the new organizational structure and changes to critical procedure names.
- Section 4 – The revision includes minor wording changes for clarity and incorporation of License Safeguards Condition SG-4.8.
- Section 5 – The revision includes a change to the department name, an increase to the level where engineering estimates can be applied to samples for consistency, and deletion of the section describing the non-application of biases for IDs less than 9000 grams U-235 (License Safeguards Condition SG-4.9).
- Section 7 – The revision allows the use of NFS' measurement uncertainty for calculating SEID with regard to material received on shipper's values and defines the acronym NuMAC.
- Section 8 – The revision includes title changes in the organizational structure and a minor wording correction.
- Annex – The revision includes organizational structure changes, a relative variance exponent change, and department name change.

None of the changes in the body of the Plan decrease the effectiveness of the material control and accounting program or the measurement control program, implemented pursuant to 10 CFR Part 74 Subpart C. The Annex is submitted to provide supplementary information and will not be incorporated as a condition of the license (NUREG-1065).

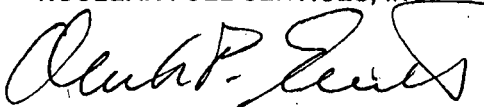
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Since a disclosure of the information contained in the attachments to this letter would tend to weaken the safeguards and security measures and is deemed commercial and financial proprietary information within the intent of 10 CFR 9.17(a)(4), it should be withheld from public disclosure under the provisions of 10 CFR 2.390(d).

Sincerely,

NUCLEAR FUEL SERVICES, INC.



Mark P. Elliott  
Quality, Safety & Safeguards  
Director

Document transmitted contains  
OUO information

/dkw  
Enclosures

Copy:

Mr. Kevin Ramsey  
Project Manager  
Fuel Manufacturing Branch  
Fuel Facility Licensing Directorate  
Division of Fuel Cycle Safety and Safeguards  
Office of Nuclear Material Safety & Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555