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**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**Nuclear Fuel Services, Inc.**  
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Erwin, TN 37650

(423) 743-9141

E-Mail : <http://www.atnfs.com>

June 29, 2007

30Y-07-0069  
GOV-01-55-04  
NFE-07-0177  
ACF-07-0133  
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Director  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Caller Box 2500  
Rockville, MD 20352

REFERENCE: (1) Docket No. 70-143; SNM License 124  
(2) HEU FNMC Plan Section 1, Revision 21, dated June 2007  
Section 3, Revision 8, dated June 2007  
Section 4, Revision 17, dated June 2007  
Annex A, Revision 6, dated June 2007  
Annex D, Revision 3, dated June 2007

**Subject: HEU FNMC Plan Changes**

Dear Sir:

Enclosed are three copies of the referenced sections of the Nuclear Fuel Services, Inc. (NFS) Fundamental Nuclear Material Control (FNMC) Plan (10 CFR Part 74 Subpart E), submitted under the provisions of 10 CFR Part 70.32. Section 1 was revised to add Inductive Coupled Plasma Mass Spectrometry (ICP-MS) as an isotopic measurement technique and control unit 37. Section 3 was revised to include the alarm resolution response for control unit 37. Section 4 was revised to include the measurement procedure for the ICP-MS as a critical procedure and one minor title change. NFS has evaluated and determined the ICP-MS method performs equivalent to the Thermal Ionization Mass Spectrometry (TIMS) and is an acceptable method for MC&A isotopic determination. Annex A and Annex D were revised to make minor corrections and to include current information. None of the changes decrease the effectiveness of the material control and accounting program or the measurement control program as implemented pursuant to 10 CFR Part 74 Subpart E.

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The enclosures to this letter contain **CONFIDENTIAL RESTRICTED DATA**. Since a disclosure of the information contained in the attachments to this letter would tend to weaken the safeguards and security measures, the information should be withheld from public disclosure under the provisions of 10 CFR 2.390(d).

Sincerely,

NUCLEAR FUEL SERVICES, INC.

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ENCLOSURE(S) IS REMOVED



for B. Marie Moore  
Vice President  
Safety and Regulatory Management

/dkw  
Enclosures

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