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RETURN RECEIPT REQUESTED**

30Y-07-0181  
GOV-01-55-04  
NFE-07-0473  
ACF-07-0367  
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December 21, 2007

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 23 dated December 2007

**Subject: HEU FNMC Plan Changes**

Dear Sir:

Enclosed are three copies of the referenced (2) Section 1 of Nuclear Fuel Services' Fundamental Nuclear Material Control Plan (10 CFR Part 74 Subpart E), submitted under the provisions of 10 CFR Part 70.32. In Section 1 of the FNMC Plan, Table 1.1.6-1, the heading was revised to change "gm U" to "formula Grams" for the cumulative significant quantity (CSQ) column. When this Table 1.1.6-1 was established, NFS's process monitored material enrichment was 97% U-235. Therefore, the uranium and U-235 quantity are essentially the same. However, currently NFS' enrichment blending process for TVA and RFS materials consists of variable enrichment process input materials. Since NFS' process monitoring input - output difference is calculated using formula gram units, the cumulative significant quantity calculation converts the formula gram units to uranium gram units based on nominal process enrichment. This will result in a more exact and simplified cumulative significant quantity evaluation without having to convert formula gram units to uranium gram units. This change does not 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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ENCLOSURE(S) IS REMOVED**

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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 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.**

A handwritten signature in cursive script that reads "B Marie Moore".

B. Marie Moore  
Vice President  
Safety and Regulatory Management

/dkw  
Enclosures

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ENCLOSURE(S) IS REMOVED