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30Y-09-0146  
GOV-01-55-04  
NFE-09-0419  
ACF-09-0290  
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September 30, 2009

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 General Discussion, Revision 9, September 2009  
(2) HEU FNMC Plan, Section 1, Revision 25, September 2009  
(3) HEU FNMC Plan, Section 4, Revision 19, September 2009  
(4) HEU FNMC Plan, Annex D, Revision 4, September 2009

**Subject: HEU FNMC Plan Changes (U)**

Dear Sir:

Enclosed are three copies of the referenced General Discussion, Section 1, Section 4 and Annex D of Nuclear Fuel Services' Fundamental Nuclear Material Control Plan (10 CFR Part 74 Subpart E), that are being submitted under the provisions of 10 CFR Part 70.32.

The General Discussion section was revised to include plutonium (Pu) decommissioning and a revised plant layout. Section 1 was revised to include additional processing information and the NDA system used for Pu decommissioning measurements. Section 4 was revised to include management title changes and additions for the Pu decommissioning MC&A program.

Annex D was revised to include organizational diagram changes and table additions related to the new Pu decommissioning NDA system. The Annexes to this Plan are submitted to provide supplementary information and are not to be incorporated as a condition of the license according to NUREG-1280.

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None of the changes decrease the effectiveness of the overall material control and accounting program or the measurement control program implemented pursuant to 10 CFR Part 74 Subpart E.


The following safeguards license conditions are either obsolete or have been incorporated into the FNMC Plan and should be deleted.

| <b>Condition</b> | <b>Reason for Removal</b>                                |
|------------------|--|
| SG-3.1           | Obsolete Plan reference                                  |
| SG-4.3           | Expired on June 5, 2000                                  |
| SG-4.28          | Expired on July 23, 2002                                 |
| SG-4.29          | Condition no longer exists                               |
| SG-4.32          | Shipment of this material is complete                    |
| SG-4.35          | Inventory referenced in this condition is complete       |
| SG-5.3           | Pu Decommissioning incorporated into the FNMC Plan       |
| SG-5.3.1         | Pu Decommissioning incorporated into the FNMC Plan       |
| SG-5.3.2         | Storage of significant amounts of Pu is no longer needed |

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.**

  
for B. Marie Moore  
Director  
Safety & Regulatory

/dkw  
Enclosures

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