



**NUCLEAR FUEL SERVICES, INC.**

*a subsidiary of The Babcock & Wilcox Company*

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21G-11-0050  
GOV-01-55-04  
ACF-11-0072

March 24, 2011

Mr. Victor McCree, Regional Administrator  
U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue NE, Suite 1200  
Atlanta, GA 30303-1257

- References:
- 1) Docket No. 70-143; SNM-124
  - 2) Confirmatory Action Letter (CAL No. 2-2010-001), dated January 7, 2010, Mr. Luis A. Reyes (NRC) to Mr. David L. Kudsin (NFS)
  - 3) Letter (21G-10-0061), dated March 11, 2010, Mr. David Amerine (NFS) to Mr. Luis Reyes (NRC), "NFS Approach to Resumption of Operations"
  - 4) Letter, dated May 19, 2010, Mr. Luis A. Reyes (NRC) to Mr. David B. Amerine (NFS), "Authorization to Resume Operation of the Blended Low Enriched Uranium Preparation Facility Uranium Metal/Oxide Line and Associated Support Systems"

**Subject: Start-up of UF<sub>6</sub> Equipment in Building 301**

Dear Sir:

In accordance with Reference 2, per the clarifications made in Reference 3 describing our conservative, measured approach to restart one line of production at a time, and in accordance with your request in Reference 4, Nuclear Fuel Services, Inc. (NFS) is providing 30 days notice for NRC to commence their review on April 25, 2011, of our readiness to start the following processes in Building 301: Vent and Tap Station; UF<sub>6</sub> Sublimation Stations 1, 2, and 3; Hoke Tube Processing Station; UO<sub>2</sub>F<sub>2</sub> Transfer System / UF<sub>6</sub> Knockout Off-Gas and Trap System; Heel Removal Station; and Tray Dissolver and Filtration Station. For your convenience, a list of applicable operating procedures is attached.

If you or your staff have any questions, require additional information, or wish to discuss this further, please contact me at (423) 743-1705, or Mr. Randy Shackelford, Nuclear Safety & Licensing Manager, at (423) 743-2504. Please reference our unique document identification number (21G-11-0050) in any correspondence concerning this letter.

Sincerely,  
NUCLEAR FUEL SERVICES, INC.

Mark P. Elliott  
Quality, Safety & Safeguards Director

JKW/smd  
Attachment: List of Operating Procedures

Copy:

Mr. Anthony Gody, Director  
Division of Fuel Facility Inspection  
U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue NE, Suite 1200  
Atlanta, GA 30303-1257

Mr. Eugene Cobey, Deputy Director  
Division of Fuel Facility Inspection  
U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue NE, Suite 1200  
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Mr. Steven Vias, Branch Chief  
Division of Fuel Facility Inspection  
U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue NE, Suite 1200  
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Mr. Kevin Ramsey, Senior Project Manager  
Division of Fuel Cycle Safety and Safeguards  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. John Pelchat, Senior Fuel Facility Inspector  
Division of Fuel Facility Inspection  
U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Avenue NE, Suite 1200  
Atlanta, GA 30303-1257

Mr. Galen Smith  
Senior Resident Inspector  
U.S. Nuclear Regulatory Commission

Attachment

List of Operating Procedures

1. Vent and Tap Station
  - a. SOP 409-65, UNLOADING AND LOADING SHIPPING CONTAINERS
  - b. SOP 409-72, 301 VENT AND TAP STATION
  - c. SOP 409-70A, 301 VENT AND TAP STATION CLEANOUT
  - d. NFS-HS-B-94, OPERATION OF THE MULTI-PAK BOTTLED AIR CART
2. UF<sub>6</sub> Sublimation Stations 1, 2, and 3
  - a. SOP 409-SEC 55, UF6 SUBLIMATION STATIONS 1 & 2
  - b. SOP 409-SEC 56, UF6 SUBLIMATION STATION 3
  - c. SOP 409-SEC 19Q, UF6 SUBLIMATION STATIONS 1 & 2 CLEANOUT
  - d. SOP 409-SEC 19R, UF6 SUBLIMATION STATION 3 CLEANOUT
3. Hoke Tube Processing Station
  - a. SOP 409-SEC 54, HOKE TUBE PROCESSING STATION
  - b. SOP 409-SEC 19P, HOKE TUBE PROCESSING STATION CLEANOUT
4. UO<sub>2</sub>F<sub>2</sub> Transfer System / UF<sub>6</sub> Knockout Off-Gas and Trap System
  - a. SOP 409-SEC 58, UO2F2 TRANSFER SYSTEM / UF6 KNOCKOUT OFF-GAS & TRAP SYSTEM
  - b. SOP 409-SEC 19T, UO2F2 TRANSFER SYSTEM / UF6 KNOCKOUT OFF-GAS & TRAP SYSTEM CLEANOUT
5. Heel Removal Station
  - a. SOP 409-57, HEEL REMOVAL STATION
  - b. SOP 409-19S, HEEL REMOVAL STATION CLEANOUT
6. Tray Dissolver and Filtration Station
  - a. SOP 409-SEC 52, TRAY DISSOLVER & FILTRATION
  - b. SOP 409-SEC 19N, TRAY DISSOLVER & FILTRATION CLEANOUT
7. Support Systems
  - a. SOP 409-62, BUILDING 301 OFF-GAS SYSTEM