



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

July 24, 2004

Areva NP - Lynchburg  
ATTN: Mr. Dominique Grandemange  
Site Manager  
Mount Athos Road Facility  
P. O. Box 11646  
Lynchburg, Virginia 24506-1646

SUBJECT: NRC INSPECTION REPORT NO. 70-1201/2006-004

Dear Mr. Grandemange:

This refers to the results of the above-referenced Nuclear Regulatory Commission (NRC) inspection conducted at your Lynchburg, Virginia facility on July 10 - 14, 2006. The purpose of the inspection was to determine whether activities authorized by the license were conducted safely and in accordance with NRC requirements. At the conclusion of the inspection on July 14, 2006, the NRC inspector discussed the findings with you and members of your staff.

As a result of the inspection, the enclosed NRC Forms 591FF, SAFETY INSPECTION REPORT, Parts 1 and 3, are being issued. The enclosed forms indicate that no violations were identified during the inspection of your licensed activities. Please retain the form in your files. No acknowledgment of this letter is required.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this letter, please contact us.

Sincerely,

*/RA/*

David A. Ayres, Chief  
Fuel Facility Inspection Branch 1  
Division of Fuel Facility Inspection

Docket No. 70-1201  
License No. SNM-1168

Enclosure: NRC Form 591FF Parts 1 and 3

D. Grandemange

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cc w/encl:

Charlie Holman, Manager  
Environmental, Health, Safety and Licensing  
Areva NP, Inc.  
Lynchburg Manufacturing Facility  
P. O. Box 11646  
Lynchburg, VA 24506-1646

Leslie P. Foldesi, CHP, Director  
Bureau of Radiological Health  
Division of Health Hazards Control  
Department of Health  
Main Street Station  
1500 East Main, Room 240  
Richmond, VA 23219

D. Grandemange

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Distribution w/encl:

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PUBLIC

PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE

ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	/RA/	RGbson for					
NAME	R. Gibson	A. Gooden					
DATE	07/24/2006	07/24/2006	07/ /2006	07/ /2006			
E-MAIL COPY?	YES	YES	YES NO	YES NO	YES NO	YES NO	YES NO

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED: Areva NP, Inc. P. O. Box 11646 Lynchburg, VA 24506-1646	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region II, Division of Fuel Facilities Inspection 61 Forsyth Street, Suite 23T85 Atlanta, GA 30303
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REPORT

3. DOCKET NUMBER(S) 70-1201	4. LICENSE NUMBER(S) SNM-1168	5. DATE(S) OF INSPECTION July 10 - 14, 2006
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**LICENSEE:**

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Richard Gibson, Jr.		7/20/06

**SAFETY INSPECTION REPORT  
AND COMPLIANCE INSPECTION**

1. LICENSEE

**Areva NP, Inc.  
P. O. Box 11646  
Lynchburg, VA 24506-1646**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission  
Region II, Division of Fuel Facilities Inspection  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303**

REPORT NUMBER(S): **2006-004**

3. DOCKET NUMBER(S):

**70-1201**

4. LICENSE NUMBER(S):

**SNM-1168**

5. DATE(S) OF INSPECTION:

**July 10 - 14, 2006**

6. INSPECTOR(S): **R. Gibson, Jr.**

7. INSPECTION PROCEDURES USED: **83822, 88045, 88035 and 84900**

**SUPPLEMENTAL INSPECTION INFORMATION**

**Executive Summary**

The Areva Lynchburg Facility fabricates UO<sub>2</sub> pellets into fuel assembly for use in nuclear power reactors. In addition, the licensee conducts activities related to work on equipment potentially contaminated with by-product material. During the period of the inspection, there were no plant upsets or unusual operational occurrences.

This routine, announced inspection included observations and evaluation of environmental protection, waste management, low level radioactive waste, and radiological controls specific to the Service Equipment Refurbishment Facility (SERF) 5. The inspection involved observations of work activities, reviews of selected procedures and records, and interviews with plant personnel. The inspection results were as outlined below:

**Radiation Protection (83822)**

**SERF-5**

- Radiation protection program self-assessments and procedure changes in the SERF 5 building were implemented in accordance with the license requirements.
- The external and internal exposure monitoring program was implemented to facilitate as low as reasonably achievable (ALARA) goals. Exposures were less than the limits in 10 CFR 20.1201.
- Radiological safety postings, labeling and radiation work permits were properly used to communicate potential hazards and protective equipment requirements to workers.
- The radiation and contamination survey programs were appropriately implemented to protect workers and identify potential radiation hazard areas. The licensee's staff was cognizant of the active radiation work permits and current radiation and contamination survey maps were available.
- The ALARA programs were adequately implemented to protect workers.

**Executive Summary (continued)**

**Environmental Protection (88045)**

- The licensee's environmental monitoring program was implemented in accordance with the license requirements. There were no major changes to the procedures since the last inspection.
- The environmental audit program was consistent with the requirements specified in the license application. The environmental program audits were thorough and corrective actions were tracked to resolution.
- An acceptable quality control program was maintained for collecting and analyzing measurements from environmental samples.
- Since the last inspection, environmental sampling results for soil, vegetation, river sediments and ambient air showed uranium activities near background levels.
- The licensee adequately implemented the environmental monitoring requirements as set forth in the license application.

**Waste Management (88035)**

- The licensee does not have a liquid effluent stream from the facility. Liquid waste generated from the process was filtered through resins and evaporated through evaporators.
- The gaseous effluent monitoring program was effective in controlling and measuring effluents, and compliant with the requirements of the license. The effluent air sampling equipment, including the sample delivery lines, was properly maintained. Calculated offsite doses were below regulatory limits.

**Low-level Radioactive Waste Storage**

- The waste storage management program was adequately implemented and provided the information needed to ensure proper storage, safe shipment, and disposal of waste. Low-level radioactive waste was stored in accordance with regulatory requirements.

**Items Opened, Closed, And Discussed**

<b><u>Item Number</u></b>	<b><u>Status</u></b>	<b><u>Description</u></b>
70-1201/2005-001-02	Closed	IFI - Review Radioactive Materials Calculation for Transport. Based on a review of revised Exhibit A to Addendum 6 to Procedure SL-1600, and a discussion with the licensee, the procedure was revised to include in the calculations the documentation regarding formula units; the use of attenuation factors for the gamma constant; and the average of six dose rate measurements taken from the shipping package.