NRC FORM 591FF PART 1
(11-2005)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY AND COMPLIANCE INSPECTION REPORT

1. LICENSEE OR CERTIFICATEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE:
AREVA NP, Inc. **P.O. Box 11646** **Lynchburg, VA 24506-1646** REPORT NO: 2008-002	**U.S. Nuclear Regulatory Commission** **Region II** **61 Forsyth Street, Suite 23T85** **Atlanta, GA 30303**

3. DOCKET NUMBER(S):	4. LICENSE OR CERTIFICATEE NUMBER:	5. DATE(S) OF INSPECTION:
70-1201	SNM-1168	March 10 - 14, 2008

6. INSPECTION PROCEDURE(S) COMPLETED: 88010 and 88020

LICENSEE OR CERTIFICATEE:

The inspection was an examination of the activities conducted under your license or certificate as they related to safety and/or safeguards and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license or certificate. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observation 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. Reported events reviewed

☐ 4. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were non-repetitive, licensee-identified, and corrective action was being taken, and the remaining criteria in the NRC Enforcement Policy to exercise discretion were satisfied.

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

☐ 5. 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)

Statement of Corrective Actions

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/CERTIFICATEE	Not Applicable		
NRC INSPECTOR	J. G. Jimenez and P. D. Startz		

DOCKET FILE INFORMATION
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6. INSPECTOR(S): J. G. Jimenez and P. D. Startz

7. INSPECTION PROCEDURES USED: 88010 and 88020

SUPPLEMENTAL INSPECTION INFORMATION

EXECUTIVE SUMMARY

The AREVA NP Lynchburg facility loads uranium dioxide (UO_2) pellets into fuel rods and fabricates fuel rod assemblies for use in nuclear power reactors. In addition, the licensee conducts refurbishment activities on power reactor equipment potentially contaminated with by-product material. During the inspection, there were no plant upsets or unusual operational occurrences.

This routine announced inspection included observations and evaluations of production activities and the operator training program to determine whether activities authorized by the license were conducted in accordance with NRC requirements. The inspectors observed plant personnel performing a variety of production activities, conducted interviews with production personnel, and reviewed selected training programs and training records to determine the adequacy of the programs.

DETAILED REPORT

The inspection identified the following aspects of the program as outlined below:

Operational Safety (88020)

- The inspectors toured production areas and determined that operations were performed safely and in accordance with license requirements. Housekeeping appeared adequate and no adverse effect on radiological safety or facility emergency egress was noted.

- The inspectors verified that engineering and administrative ISA controls utilized as IROFS controls in production areas were appropriate for ensuring safety with respect to the criticality, fire, and radiological safety disciplines. Management measures were in place to ensure that IROFS controls were present and capable of performing their intended safety function.

- Fuel manufacturing operations were conducted in accordance with approved operating procedures. The nuclear criticality safety training adequately emphasized safety principles and practices.

- Detailed inspection of all Special Nuclear Material (SNM) production areas indicated that: access to SNM is adequately controlled, storage/inventory of SNM is in accordance with nuclear criticality safety (NCS) postings, and housekeeping and contamination controls were satisfactory.

DETAILED REPORT

Operator Training/Retraining (88010)

- Training programs for initial and refresher training in nuclear criticality safety, radiation protection and emergency preparedness were in compliance with the regulatory requirements. Training materials and examinations to measure the knowledge level of workers were adequate. A sample of training records indicated that training qualifications were current.

- Training programs for existing and revised operating procedures were effective. Operators were knowledgeable of their operating processes and pending changes. Changes to nuclear material processing requirements were readily identified to the operators who had to acknowledge their understanding before processing operations could continue.

- Each new operator's on-the-job training and all required recurrent training was tracked by their immediate supervisor using documentation and a software matrix. The training matrix software controls access to some production areas and automatically notifies personnel of emerging requirements.

List of Items Opened, Closed, Discussed

Item Number	Status	Description
Not Applicable		