

### INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED:

AREVA NP, Inc.  
P.O. Box 11646  
Lynchburg, WA 24506-1646

2. NRC/REGIONAL OFFICE:

U.S. Nuclear Regulatory Commission  
Region II  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303-8931

REPORT NO:

2009-005

3. DOCKET NUMBER:

70-1201

4. LICENSE OR CERTIFICATE NUMBER:

SNM-1168

5. DATE(S) OF INSPECTION:

December 8, 2009 – December 9, 2009

#### LICENSEE OR CERTIFICATE HOLDER:

The inspection was an examination of the activities conducted under your license or certificate as they relate 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 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. 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 self-identified, non-repetitive, and corrective action was or is 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)

#### LICENSEE OR CERTIFICATE HOLDER STATEMENT OF CORRECTIVE ACTIONS FOR ITEM 5, ABOVE

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violation(s) 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 the NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE/CERTIFICATE HOLDER REPRESENTATIVE			
NRC INSPECTOR	Chad M. Cramer	/RA/	1/6/2010

## INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED: AREVA NP, Inc. 2101 Horn Rapids Road Richland, WA 99352-0130		2. NRC/REGIONAL OFFICE: U.S. Nuclear Regulatory Commission Region II 61 Forsyth Street, Suite 23T85 Atlanta, GA 30303-8931	
REPORT NO: 2009-005			
3. DOCKET NUMBER: 70-1201	4. LICENSE OR CERTIFICATE HOLDER NUMBER: SNM-1168	5. DATE(S) OF INSPECTION: December 8, 2009 – December 9, 2009	
6. INSPECTOR(S): Chad M. Cramer			
7. INSPECTION PROCEDURES USED: 88020 & 88105			

### EXECUTIVE SUMMARY

#### Summary of Plant Status

The AREVA Lynchburg facility fabricates fuel assemblies used in commercial nuclear power reactors. During the inspection period, the plant was shutdown in accordance with the production schedule. This routine, announced inspection included evaluation of the plant operations and management organization and controls programs. The inspection involved observations of work activities, review of selected records, and interviews with plant personnel. The inspection identified the following aspects of the licensee programs as outlined below:

#### Plant Operations

- The inspector reviewed several of the applicable safety-related controls from the integrated safety analysis. No significant issues were identified.
- Licensee personnel demonstrated adequate knowledge of process operations, safety controls, and applicable operations procedures for their areas.
- The inspector walked down the items relied on for safety (IROFS) for the ventilation system. The IROFS were in place to perform their intended safety function. The inspector also discussed the IROFS that required the licensee to inspect the ventilation system through non-destructive analysis to ensure that a critical mass of material had not accumulated. No significant issues were identified.
- The inspector reviewed and discussed unresolved item (URI) 2009-001-01, which was the licensee's radiological hazard analysis involving a fire in the pellet vault. When reviewing the integrated safety analysis (ISA) summary, the inspector noticed that the bounding scenario stated that a fire in the pellet loading room vaults involved 42,000 kg of UO<sub>2</sub> pellets with ventilation system running. However, when reviewing the radiological hazards analysis, the inspector found that the actual evaluation only involved 1,320 kg of UO<sub>2</sub> pellets. The inspector determined that the URI could not be closed until the ISA Summary adequately reflected the actual accident scenario that was analyzed; therefore URI 2009-001-01 will remain open.

#### Management Organization and Controls

- The licensee's organizational structure and the process for reviewing and approving plant procedures were in accordance with license application requirements.

## EXECUTIVE SUMMARY (Continued)

- The licensee's internal assessments and audits were adequate for detecting and identifying potential adverse trends in regulatory performance. The inspector did notice that the most current radiation protection audit findings were not included in the licensee's corrective action program. The licensee determined that it was unintentionally deleted and therefore, put the findings back into the corrective action program and created another corrective action to determine why the radiation protection audit findings were initially deleted from the corrective action program.
- Based on a review of several issues entered into the licensee's corrective action program, the inspector determined the licensee performed adequate review and implemented sufficient corrective actions to address the issues and prevent recurrence.
- Based on a review of the most recent plant safety review committee meeting records and discussions with plant personnel, the inspector determined the licensee's safety review meetings were in accordance with license application requirements.
- The inspector discussed the employee concerns program with licensee personnel, no issues were identified.

### Exit Meeting Summary

The inspection scope and results were summarized on Wednesday, December 9, 2009 with Dominique Grandemange, and members of his staff. The inspectors asked the certificate holder or licensee staff whether any materials examined during the inspection should be considered proprietary. No proprietary information was identified.

### Key Points of Contact

<u>Name</u>	<u>Title</u>
D. Grandemange	Mt. Athos Rd. Site Manager, Operations
E. Miller	Manager, Environmental Health Safety & Licensing
T. Blanks	Supervisor, Transportation, Security & Environmental Management
T. Lovelace	Nuclear Criticality Safety Engineer

### List of Items Opened, Closed, Discussed

<u>Item Number</u>	<u>Status</u>	<u>Description</u>
URI 2009-001-01	Discussed	Review of the licensee's revision to the radiological hazards analysis involving a fire