NRC FORM 591FF PART 1
(12-2007)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE:
AREVA NP, Inc. 2101 Horn Rapids Road Richland, WA 99352-0130 REPORT NO: 2009005	U.S. Nuclear Regulatory Commission Region II 61 Forsyth Street, Suite 23T85 Atlanta, GA 30303-8931

3. DOCKET NUMBER:	4. LICENSE OR CERTIFICATE NUMBER:	5. DATE(S) OF INSPECTION:
70-1257	SNM-1227	August 10 - 14 and 17 - 21, 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	Mary L. Thomas	***/RA/***	9/17/09

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6. INSPECTOR(S): M. Thomas

7. INSPECTION PROCEDURES USED: 88030, 88055, 88070

EXECUTIVE SUMMARY

Summary of Plant Status

- The AREVA Richland facility converts uranium hexafluoride into uranium dioxide for the fabrication of low-enriched fuel assemblies used in commercial nuclear power reactors. During the inspection period, normal production activities were ongoing. This routine, announced inspection included evaluation of the radiation protection and fire protection programs and permanent plants modifications related to such 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:

Radiation Protection (Inspection Procedure 88030)

- Inspectors reviewed selected records and procedures that govern the performance of the licensee's radiation protection program. Inspectors concluded that records and procedures that were reviewed were in compliance with regulatory requirements. No findings of significance were identified.

- Inspectors reviewed selected records of the licensee's self-assessment and ALARA (as low as reasonably achievable) programs. Inspectors concluded that the records and procedures that were reviewed adequately supported implementation of the self-assessment and ALARA programs. Additional documentation indicated that the licensee had implemented enhanced administrative and engineered controls to improve ALARA goals in targeted areas. No findings of significance were identified.

- Inspectors reviewed selected functional testing and calibration records of equipment used for detecting the presence of radiation and contamination. The records indicated that the associated equipment had been properly maintained in accordance with licensee procedures and was capable of performing the intended safety function in a reliable manner. No findings of significance were identified.

- The external exposure monitoring program was implemented in a manner to maintain doses ALARA. The exposures were less than the occupational limits in 10 CFR 20.1201. No findings of significance were identified.

- Inspectors reviewed selected records of internal dose to plant workers. The records indicated that internal exposures were significantly less than the 10 CFR 20.1201 limits for occupational exposure. No findings of significance were identified.

- Respiratory protection equipment issuance and training assured that the equipment was obtained by certified users only. The licensee maintained records which adequately demonstrated the implementation of the respiratory protection program. No findings of significance were identified.

- Radiological safety postings, radiation work permits, and radiation job procedures were effectively implemented to communicate potential hazards and protective equipment requirements to workers. No findings of significance were identified.

- The radiation and contamination survey programs were appropriately implemented to protect workers and properly identify potential work areas which posed an internal or external radiation hazard to workers. No findings of significance were identified.

Fire Protection (88055)

- Based on plant tours and interviews with operators, the inspectors determined that the licensee controlled combustible materials and ignition sources in accordance with procedures and fire safety requirements. No findings of significance were identified.

- Fire detection devices were in good condition without physical damage, blockage, or potential interference with functionality.

- Selected sprinkler heads were not obstructed by major overhead equipment and were in good condition. The water supply control valves were open and the fire water supply and pumping capability was operable and capable of supplying system demand.

- Fire extinguishers were in good repair and had been hydrostatically tested within their respective periodicity based on type on extinguisher.

- Passive fire protection systems, e.g., fire doors, dampers, and firewall penetrations, were in good condition without cracks or gouges, and penetrations were properly sealed.

Permanent Plant Modification (88070)

- The inspector reviewed and walked down the following engineering change notices (ECN) associated with minimizing exposure: ECN 8299, changing Neutron Absorbing Fuel (spell out) buckets to drums to limit airborne; and ECN 7889, RP Practices, relocation of miscellaneous waste grids which changed personnel protective equipment procedure and training. No findings of significance were identified.

- The inspector also reviewed ECN 8363, replacement of Central Alarm System uninterruptible power supply, which affects the receipt of fire alarms; and ECN 8376 West emergency diesel generator replacement, which supplies fire protection system loads upon loss of offsite power. No findings of significance were identified.

Exit Meeting Summary

The inspection scope and results were summarized on August 13, and Friday, August 21, 2009, with Mr. C. Perkins, 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

Name	Title
C. Perkins	Plant Manager
R. Link	Environmental, Health, Safety, and Licensing Manager
C. Manning	Criticality Safety Manager
T. Tate	Safety and Security Manager
J. Deist	Emergency Preparedness Coordinator
R. Burklin	Health Physics Manager
L. Stephens	Operations Manager
T. Watkins	Maintenance
R. Kimura	Engineering Manager
J. Veysey	Maintenance Manager
L. Maas	Licensing Manager

List of Items Opened, Closed, Discussed

Item Number	Status	Description
VIO 70-1257/2009-01-01	Closed	Failure to visually inspect the sprinklers located in the SWUR-Incinerator area. The inspector reviewed the corrective actions to prevent recurrence and found that the licensee had revised their sprinkler inspection procedure to perform inspections on a quarterly basis and to have the contract inspector inspect the SWUR-Incinerator area sprinklers.
IFI 70-1257/2009-01-02	Discussed	Licensee did not have a documented basis to demonstrate that existing management measures were adequate to ensure IROFS functionality. The inspector reviewed the condition reports related to this IFI. This item will remain open pending inspector review of the corrective steps that will be taken to demonstrate that existing management measures were adequate to ensure IROFS.