



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

July 21, 2006

Mr. Ronald J. Land
Plant Manager
Areva ANP, Inc.
2101 Horn Rapids Road
Richland, WA 99352-0130

SUBJECT: NRC INSPECTION REPORT NO. 70-1257/2006-006

Dear: Mr. Land

This refers to the results of the above-referenced Nuclear Regulatory Commission (NRC) inspection conducted at your Horn Rapids Road, facility on June 19-23, 2006.

As a result of the inspection, the enclosed NRC Forms 591FF, SAFETY INSPECTION REPORT, are being issued. The enclosed forms indicate that no violations were identified during the inspection of your licensed activities. Please retain the original Form 591FF Parts 1 and 3 for your files.

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. 70-1257
License No. SNM-1227

Enclosure: NRC Form 591FF Parts 1 and 3

cc w/encl: (See page 2)

R. J. Land

2

cc w/encl:

Thomas Scott Wilkerson, Vice President, Operations
Areva NP
2101 Horn Rapids Road
Richland, Washington 99352

Charles Perkins, Richland Operations Manager
Areva NP
2101 Horn Rapids Road
Richland, Washington 99352

Robert E. Link, Manager
Environmental, Health, Safety & Licensing
Areva NP
2101 Horn Rapids Road
Richland, Washington 99352

Loren J. Maas, Manager
Licensing and Compliance
Areva NP
2101 Horn Rapids Road
Richland, Washington 99352

Calvin D. Manning, Manager
Nuclear Criticality Safety
Areva NP
2101 Horn Rapids Road
Richland, Washington 99352

Gary L. Robertson, Director
Division of Radiation Protection
Department of Health, Bldg 5
PO Box 47827
7171 Cleanwater Lane
Olympia, Washington 98504-7827

Distribution w/encl: (See page 3)

R. J. Land

3

Distribution w/encl:

D. Ayres, RII

A. Gooden, RII

N. Baker, NMSS

M. Adams, NMSS

M. Galloway NMSS

X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: X Yes ACCESSION NUMBER: _____

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	CT 7/19	AG 7/20					
NAME	CTaylor	AGooden					
DATE	7/ /2006	7/ /2006	7/ /2006	7/ /2006	7/ /2006	7/ /2006	7/ /2006
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: E:\Filenet\ML062020070.wpd

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

AREVA NP, Inc.
2101 Horn Rapids Road
Richland, WA 99352-0130

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): 70-1257/2006-006

3. DOCKET NUMBER(S):

70-1257

4. LICENSEE NUMBER(S):

SNM-1227

5. DATE(S) OF INSPECTION:

June 19 -23, 2006

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 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	Cynthia Taylor	/RA/	7/19/2006

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE

**AREVA NP, Inc.
2101 Horn Rapids Road
Richland, WA 99352-0130**

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): **70-1257/2006-006**

3. DOCKET NUMBER(S):

70-1257

4. LICENSE NUMBER(S):

SNM -1227

5. DATE(S) OF INSPECTION:

June 19 - 23, 2006

6. INSPECTOR(S): Cynthia Taylor

7. INSPECTION PROCEDURES USED: 88045, 88035, 84900 and 84850

SUPPLEMENTAL INSPECTION INFORMATION

Executive Summary

AREVA NP Richland facility fabricates low-enriched uranium fuel and blended low-enriched uranium fuel (BLEU) for use in commercial reactors. During the period of the inspection, all operations were normal.

This was a routine, announced inspection that included observations and evaluation of the following programs: environmental protection, waste management, low level waste storage, and waste generator requirements. The inspection involved observations of work activities, reviews of selected records, and interviews with plant personnel. The inspection identified the following aspects of the licensee programs as outlined below:

Environmental Protection

- The licensee's environmental monitoring procedures were acceptable and approved by management. There were no major changes to the procedures since the last inspection.
- The environmental program audits were thorough and corrective actions were tracked and implemented. The semi-annual effluent report for the period July 2005 through December 2005 was resubmitted due to incorrect data transfer.
- The licensee maintained an acceptable quality control program for collecting and analyzing measurements from environmental samples.
- The licensee adequately implemented the environmental monitoring requirements as set forth in the license application.
- The inspector reviewed the licensee's justification and calculations to show compliance with the requirements for controlling dose to members of the public in 10 CFR 20.1301. The inspector determined from interviews that with one exception, interviewees were unable to demonstrate how results were calculated and SOP 40032 and SOP 40033 lacked guidance for showing how measured results were calculated. In addition, the licensee needed to recalculate the 10 CFR 20.1301(e) results because of the BLEU operations at the facility.

Executive Summary (continued)

The licensee acknowledged the findings and committed to taking corrective actions. The corrective actions will be tracked as Inspector Followup Item (IFI) 70-1257/2006-06-01.

Waste Management

- The liquid and airborne effluent program effectively maintained effluent concentrations and offsite dose below the limits specified in 10 CFR Part 20.
- The collection and disposal of solid waste and liquid waste was in accordance with license requirements.
- No significant problems were identified with the effluent monitoring equipment, and no deviations from the procedures were observed.
- The licensee continues to remediate the lagoon areas with a completion deadline set for August 2006.
- The incinerator operations restarted in mid-April after a brief shut-down due to low volume and manpower issues affecting other areas of the facility.

Low-Level Radioactive Waste Storage

- The licensee's program for the storage, labeling, shipping, and tracking of low level radioactive waste (LLRW) was adequate.

Waste Generator Requirements

- The licensee's program for the management and shipment of LLRW for disposal met the requirements of the regulations.

Items Opened, Closed, And Discussed

<u>Item Number</u>	<u>Status</u>	<u>Type</u>	<u>Description</u>
70-1257/2006-006-01	Open	IFI	Verify licensee corrective actions for knowledge management issues regarding SOP 40032 and 40033. Verify licensee included BLEU inventory in recalculation to show compliance with 10 CFR 20.1301(e)