



May 15, 2013
LJM:13:010

U.S. Nuclear Regulatory Commission
Director, Office of Nuclear Material
Safety and Safeguards
Attn: Document Control Desk
Washington, DC 20555

Dear Sirs:

Subject: NRC Form 327 for AREVA NP Inc. (Lic. No. SNM-1227; Docket No. 70-1257)

Enclosed is a completed NRC Form 327, which reports the results of our material balance accounting and SEID calculations for the period March 20, 2012 to March 18, 2013.

The information in the enclosure is proprietary in accordance with 10 CFR 2.390(d). An affidavit supporting the proprietary nature of this information is attached.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Loren Maas'.

L. J. Maas, Manager
Licensing & Compliance

/mah

NM5501

AREVA NP INC.

Explanatory Notes

1. It is assumed that the measurement and non-measurement contributions to SEID are equal.
2. The sum of additions to and removals from material in-process is used as a conservative estimate of the active inventory. This practice is in accordance with Section 8.2.7 of the FNMC Plan.
3. The SEID limit is computed as 0.177 percent on line 11a.

c: Marilyn Diaz
US Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop E2C40M
Rockville, MD 20852

AFFIDAVIT

STATE OF WASHINGTON)
 : ss
COUNTY OF BENTON)

Loren J. Maas, being duly sworn on oath, states as follows:

1. I am employed by AREVA NP Inc. (AREVA) as Manager, Licensing & Compliance in Richland, Washington. I have management responsibility for administration of the nuclear material control and accounting program at AREVA's Richland, Washington nuclear fuel fabrication facility. This affidavit is based on my first hand, personal knowledge and is submitted in my capacity as Manager, Licensing & Compliance. This affidavit is submitted in accordance with the provisions of 10 CFR § 2.390.

2. I am familiar with the contents of the "Special Nuclear Material (SNM) and Source Material (SM) Physical Inventory Summary Report", dated May 15, 2013 (LJM:13:010) for the AREVA NP Inc., Richland, Washington Fuel Fabrication Facility, which provides for summary reporting of the plant's annual SNM inventory as required by 10 CFR 74.17. This notification is designated as "proprietary" by AREVA in accordance with the document control system and policies established by AREVA for the control and protection of proprietary and confidential information.

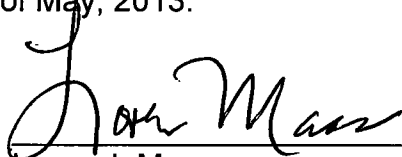
3. AREVA is engaged in the business of designing and manufacturing nuclear fuel assemblies for commercial nuclear reactors and delivering SNM to other nuclear fuel fabricators in foreign countries for inclusion in nuclear fuel assemblies. Within the United States, there are two additional firms that design and manufacture nuclear fuel for commercial nuclear reactors and there are several other companies outside of the United States that engage in the same business as AREVA. Competition among these companies including AREVA is

fierce and manufacturing costs of the nuclear fuel are critical to the maintenance of market share and to the growth of market share among utility customers.

4. The Special Nuclear Material and Source Material Physical Inventory Summary Report contains commercial information of a confidential nature that is not available in public sources or available to the public. This information contained in this report is commercial and confidential because it reveals specific information about the AREVA NP Richland manufacturing facility relative to its production throughput. All of this information can be used by competitors to gain undue insight into AREVA's commercial relationships, probable cost structure, operations and business.

5. AREVA will suffer considerable competitive harm if the contents of the Special Nuclear Material and Source Material Physical Inventory Summary Report are made available to AREVA's domestic and international competitors because of the potential to undermine the financial position of AREVA. Finally, this information cannot be reasonably segregated from other material which may not meet the criteria set forth in 10 CFR § 2.390.

Dated this 15th day of May, 2013.



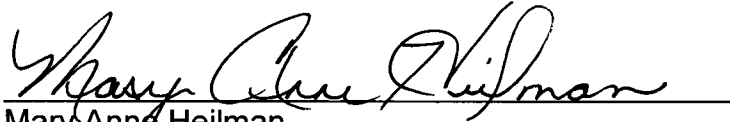
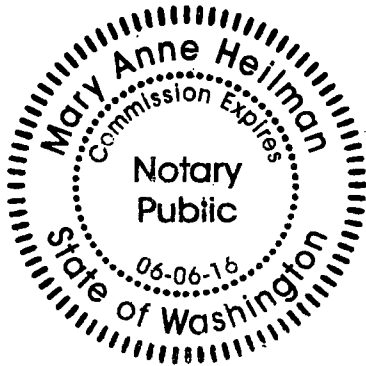
Loren J. Maas
Manager, Licensing & Compliance

STATE OF WASHINGTON)
 :
COUNTY OF BENTON) ss

On this 15th day of May, 2013, before me, the undersigned, a Notary Public in and for the State of Washington, duly commissioned and sworn, personally appeared Loren J. Maas to me known to be the Manager, Licensing & Compliance of AREVA NP Inc., the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of

said corporation, for the uses and purposes therein mentioned, and on oath stated that he is authorized to execute the said instrument.

Witness my hand and official seal hereto affixed the day and year first above written.

A handwritten signature of Mary Anne Heilman in cursive script, written over a horizontal line.

Mary Anne Heilman
Notary Public in and for the State of Washington,
residing at Kennewick, Washington.
MY COMMISSION EXPIRES: June 6, 2016