



May 11, 2017
MJW:17:026

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 Inc. (Lic. No. SNM-1227; Docket No. 70-1257)

Enclosed are completed NRC Form 327s, which report the results of our material balance accounting and SEID calculations for the period March 22, 2016 to March 20, 2017.

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 cursive script that reads "mi wilbricht".

Michael Wilbricht
Sr Safeguards Specialist

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Explanatory Notes

LEU

1. It is assumed that the non-measurement contribution to SEID is equal to the measurement contribution.
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 of line 11a.
4. The LEID limit is computed as 0.250 percent of line 11a.

HEU

1. The PPA of 1 gram U and 1 gram U235 is to adjust for a lab standard that was incorrectly recorded as LEU on earlier period inventory reports. The standard was correctly recorded this year resulting in a -1 gram U and -1 gram U235 ID.
2. The LEID and SEID are estimated to be 1 gram U and 1 gram U235 based on qualitative review of errors in liquid concentrations, volume and mass measurements, analytical %U and %U235 measurements, and comparisons to standard certificates.
3. The SEID limits are set to their alternate limits of 6,400 grams U235 and 200,000 grams U per NUREG/BR-0096.
4. The LEID limits are similarly set to 9,000 grams U235 and 300,000 grams U.
5. The ID limit is set to the 10-CFR-74.51 license minimum ID limit of 300 grams U235.

c: Kevin Ramsey
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