

UNITED STATES OF AMERICA
 NUCLEAR REGULATORY COMMISSION
 ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)	Docket No. 70-7015-ML
)	
AREVA ENRICHMENT SERVICES, LLC)	ASLBP No. 10-899-02-ML-BD01
)	
(Eagle Rock Enrichment Facility))	May 19, 2011

AFFIDAVIT OF TERRI L. PATTON CONCERNING
 THE NRC STAFF RESPONSE TO THE LICENSING BOARD'S
THIRD SET OF QUESTIONS REGARDING ENVIRONMENTAL MATTERS

I, Terri L. Patton, do hereby state as follows:

1. I am employed as a Geologist at Argonne National Laboratory. I am providing responses to the Licensing Board's questions under a technical assistance contract with the staff of the U.S. Nuclear Regulatory Commission ("NRC"). A statement of my professional qualifications is attached.
2. As part of the NRC staff's environmental review of the AREVA Enrichment Services, LLC ("AES") Eagle Rock Enrichment Facility license application, documented in the "Environmental Impact Statement for the Proposed Eagle Rock Enrichment Facility in Bonneville County, Idaho (NUREG-1945)," February 2011, I assisted the NRC staff in its review and analysis of aspects of the application that concerned Geology, Minerals, and Soils, and Water Resources.
3. I am responsible for those responses to the License Board questions (or portions of questions) in exhibit NRC000176, "NRC Staff Response to the Licensing Board's Third Set Of Questions Regarding Environmental Matters," for which I am listed as the author.

4. I attest to the accuracy of those statements, support them on my own, and endorse their introduction into the record of this proceeding. I declare under penalty of perjury that those statements, and my statements in this affidavit, are true and correct to the best of my knowledge, information, and belief.

**[Executed in Accord with
10 C.F.R. § 2.304(d)]**

Terri L. Patton