

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
AREVA NP, Inc.	License Number: SNM-1227, Amendment 4
2101 Horn Rapids Road	Expiration Date: April 24, 2049
Richland, WA 99354-0130	Docket Number: 70-1257

- | | | |
|--|---|--|
| <p>1. Byproduct, Source, and/or Special Nuclear Material</p> <p>A. Uranium enriched in U-235 to any enrichment</p> <p>B. Uranium enriched up to 5.00 wt. % U-235</p> | <p>2. Chemical and/or Physical Form</p> <p>A. Any</p> <p>B. Uranium Compounds</p> | <p>3. Maximum Amount That Licensee May Possess At Any One Time Under This License</p> <p>A. XXX g U-235</p> <p>B. XXX kg U-235</p> |
|--|---|--|

4. Authorized Place of Use: The licensee's existing facilities in Richland, Washington.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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5. This license shall be deemed to contain two sections: Safety Conditions and Safeguards Conditions. These sections are part of the license, and the licensee is subject to compliance with all listed conditions in each section.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: 11/30/2011By: /RA/

Robert Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001



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SAFETY CONDITIONS

- S-1 Authorized use: For use in accordance with the statements, representations, and conditions in the LA dated October 24, 2006, and supplements dated December 13, 2006 (License Application and Request for Additional Information Responses); December 10, 2008; E-mail from R.E. Link titled "Compliance Plan" dated March 5, 2009; June 12, 2008, August 22, 2008, June 5, 2009, July 13, 2009, November 11, 2009, December 4, 2009, February 4, 2010, E-mail and Attachment Submitted by C.D. Manning on April 16, 2010, April 28, 2010; and E-mail and Attachment Submitted by C.D. Manning on July 1, 2010. Letters and LA dated February 14, 2011, October 8, 2011 and August 24, 2011.
- S-2 The licensee shall maintain and execute the response measures in its Emergency Plan titled "Emergency Preparedness-Part I-E08-01-1.0 Emergency Plan-Version 6.0 and Part III-E08-03-1.1, Emergency Plan Implementing procedures Version 4.0," dated March 17, 2011; or as further revised by the licensee consistent with 10 CFR 70.32(i).
- S-3 [deleted]
- S-4 [deleted]
- S-5. [deleted]
- S-6 Pressure vessels used in the supercritical CO₂ extraction process that have an outside diameter of more than 6 inches shall be constructed, certified, and maintained in accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section VIII, Division 1, without exception.

SAFEGUARDS CONDITIONS

Section 1.0 - Material Control & Accounting

- SG-1.1 The licensee shall follow Sections 0.0 through 8.0 (with all pages designated as Version 4.0 of E07-01-001) of the Fundamental Nuclear Material Control Plan. This Plan may be further revised in accordance with, and pursuant to, the provisions of 10 CFR 70.32(c) or 70.34.
- SG-1.2 [deleted]
- SG-1.3 [deleted]
- SG-1.4 Operations involving special nuclear material (SNM) which are not described in the Plan identified in Condition SG-1.1 shall not be initiated until an appropriate safeguards plan has been approved by the appropriate safeguards licensing authority of the U.S. Nuclear Regulatory Commission.

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Section 2.0 - Physical Protection for SNM of Low Strategic Significance

SG-2.1 The licensee shall follow the Physical Protection Plan entitled "Physical Protection Plan for SNM for Low Strategic Significance, Revision 5.0 for AREVA NP, Inc.'s (AREVA) Richland, Washington Fuel Fabrication Facility," dated February 18, 2009; and as it may be further revised in accordance with the provisions of 10 CFR 70.32(e).

SG-2.2 [deleted]

Section 3.0 - International Safeguards

SG-3.1 The licensee shall follow, as applicable, Codes 2 through 7 of Transitional Facility Attachment No. 1a dated May 1, 1986, to the US/ International Atomic Energy Agency Safeguards Agreement.

SG-3.2 Notwithstanding the requirements of 10 CFR 75.11(d) to submit facility data on forms supplied by the Commission (including IAEA's Design Inventory Questionnaires), the licensee may submit required data in the AREVA's license paper format.

