



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

October 17, 2006

Docket No. 07003078
Control No. 139282

License No. SNM-1993

Richard A. Blackburn
Environmental Business Manager
Atlantic Richfield Company
28100 Torch Parkway MC2S
Warrenville, IL 60555

SUBJECT: ARCO ENVIRONMENTAL REMEDIATION, LLC, LICENSE AMENDMENT,
CONTROL NO. 139282

Dear Mr. Blackburn:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Todd J. Jackson, CHP

Todd J. Jackson, CHP
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 6

cc:

R. Blackburn
Atlantic Richfield Company

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K. Paul Steinmeyer, Radiation Safety Officer
Michael C. McAnulty

DOCUMENT NAME: E:\Filenet\ML062910451.wpd

SUNSI Review Complete: TJackson

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NAME	TJackson /TJJ/							
DATE	10/17/06							

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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.

<p style="text-align: center;">Licensee</p> <p>1. ARCO Environmental Remediation, LLC</p> <p>2. c/o Atlantic Richfield Company 28100 Torch Parkway MC2S Warrenville, Illinois 60555</p>	<p>In accordance with the letter dated August 11, 2006,</p> <p>3. License number SNM-1993 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2012</p> <hr/> <p>5. Docket No. 070-03078 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Plutonium 238</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 100 grams</p>
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9. Authorized use:

A. For storage only.

CONDITIONS

10. Licensed material shall be stored only at Radiation Safety Associates, Inc., 21 Pendleton Drive, Hebron, Connecticut.
11. A. Licensed material shall be stored by K. Paul Steinmeyer.
B. The Radiation Safety Officer for this license is K. Paul Steinmeyer.
12. Atlantic Richfield Company shall collect, tally and report to the Nuclear Regulatory Commission, Region I, ATTN: Director, Division of Nuclear Materials Safety, 475 Allendale Road, King of Prussia, Pennsylvania 19406, at no more than 12 month intervals, data from all investigators as indicated in the "Research Protocol for Clinical Investigation of the ARCO Nuclear NU-5 Pacemaker" dated March 25, 1974. The periodic reports shall contain information as indicated in the attached "Contents of Sponsor's Periodic Report on Clinical Performance of Pacemaker," except that data on the non-nuclear control of pacemakers is no longer required.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
SNM-1993

Docket or Reference Number
070-03078

Amendment No. 6

- 13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U. S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Letter dated August 12, 2002



For the U.S. Nuclear Regulatory Commission

Date October 16, 2006

By Original signed by Todd J. Jackson, CHP
 Todd J. Jackson, CHP
 Commercial and R&D Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406