



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

June 27, 2005

Docket No. 03017514
Control No. 136945

License No. 37-19378-01

Carter P. Nulton
Vice President
Lionville Laboratory Incorporated
208 Welsh Pool Road
Lionville, PA 19341-1313

SUBJECT: LIONVILLE LABORATORY INCORPORATED, LICENSE AMENDMENT,
CONTROL NO. 136945

Dear Mr. Nulton:

This refers to your license amendment request dated April 25, 2005. 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 available at the NRC web site at <http://www.nrc.gov/materials/miau/mat-toolkits.html> and <http://www.nrc.gov/who-we-are/governing-laws.html> or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Sattar Lodhi, Ph.D.

Sattar Lodhi, Ph.D.
Senior Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety

C. Nulton
Lionville Laboratory Incorporated

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Enclosure:
Amendment No. 22

cc:
Iain Daniels, Radiation Safety Officer

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OFFICE	DNMS/RI	N	DNMS/RI		DNMS/RI			
NAME	SLodhi/ASL							
DATE	6/27/2005							

OFFICIAL RECORD COPY

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. Lionville Laboratory Incorporated</p> <p>2. 208 Welsh Pool Road Lionville, Pennsylvania 19341-1313</p>	<p>In accordance with the letter dated April 15, 2002,</p> <p>3. License number 37-19378-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2011</p> <hr/> <p>5. Docket No. 030-17514 Reference No.</p>
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|---|----------------------------------|--|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Any byproduct material with atomic number 1 through 96 | A. Analytical samples | A. See Condition 12 |
| B. Any special nuclear material | B. Analytical samples | B. Not to exceed 2 millicuries per radionuclide and 10 millicuries total |
| C. Any source material | C. Analytical samples | C. 10 millicuries |

9. Authorized use:
- A. through C. Laboratory analysis of samples as a service for others.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at 208 Welsh Pool Road, Lionville, Pennsylvania.

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11. A. Licensed material shall be used by, or under the supervision of, Iain Daniels, Carter P. Nulton, Tina Keppel, Nicki Perrone or Jaqueline Perry.
- B. The Radiation Safety Officer for this license is Iain Daniels.
12. The licensee shall restrict the possession of NRC licensed byproduct material to 10,000 times the quantity specified in Appendix B to 10 CFR Part 30 and in accordance with the requirements of 10 CFR 30.35. When a combination of isotopes is involved, the licensee shall restrict the possession of NRC licensed material such that R divided by 10,000 is less than or equal to 1 (unity rule), where R is defined as the sum of the ratios of the quantity of each isotope to the applicable value in Appendix B to 10 CFR Part 30.
13. Licensed material shall not be used in or on human beings.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
15. Pursuant to 10 CFR 20.2002, the licensee may dispose of analytical samples containing radioactive materials with atomic numbers 1 through 83, except as identified below, as ordinary waste in a landfill provided that the concentration of radionuclides (in microcuries per gram of sample) at the time of disposal are no greater than the values of Table II, Column 2, 10 CFR Part 20, Appendix B. For hydrogen-3, carbon-14, aluminum-26, chlorine-36, silver-108m, niobium-94, iodine-129, technetium-99, and thallium-204, the concentration can be no greater than one-tenth of the value in Table II, Column 2, 10 CFR Part 20, Appendix B. If more than one radionuclide is present in the sample, then the sum of fractions rule applies.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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17. 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 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. Application dated May 17, 2001
- B. Letter dated August 21, 2001



For the U.S. Nuclear Regulatory Commission

Original signed by Sattar Lodhi, Ph.D.Date June 27, 2005

By

Sattar Lodhi, Ph.D.
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406