



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

October 16, 2000

Docket Nos. 03005248
03029741
Control Nos. 128043
128044

License Nos. 29-01022-06 ✓
29-01022-14

Stephen G. LaPoint
Director
Directorate for Safety
Department of the Army
US Army Communications-
Electronics Command
Fort Monmouth, NJ 07703-5000

SUBJECT: DIRECTORATE FOR SAFETY, ISSUANCE OF LICENSE AMENDMENT,
CONTROL NOS. 128043 AND 128044

Dear Mr. LaPoint:

This refers to your license amendment request dated April 19, 2000, requesting release of Zone 4A of Camp Evans. Enclosed with this letter is the amended license. Zone 4A of the Camp Evans may be released for unrestricted use.

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) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original signed by Steve W. Shaffer

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA: 2006-0225

Steve W. Shaffer
Health Physicist
Decommissioning and Laboratory Branch
Division of Nuclear Materials Safety

Enclosure:

Amendment No. 52 for License No. 29-01022-06
Amendment No. 19 for License No. 29-01022-14

HH/21



S. LaPoint
Directorate for Safety

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cc:
Joseph M. Santarsiero, Radiation Safety Officer
State of New Jersey

DOCUMENT NAME: C:\29-01022-06.128044.10162000.wpd

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI		DNMS/RI			
NAME	SShaffer/sws	/s/						
DATE	10/16/2000							

OFFICIAL RECORD COPY

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MATERIALS LICENSE

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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>Licensee</p> <p>1. Department of the Army U.S. Army Communications - Electronics Command AMSEL-SF-RER</p> <p>2. Fort Monmouth, New Jersey 07703-5024</p>	<p>In accordance with the letter dated April 19, 2000,</p> <p>3. License number 29-01022-06 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date, February 28, 2005</p> <hr/> <p>5. Docket No. 030-05248 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with atomic numbers 1 through 83</p> <p>B. Any byproduct material with atomic numbers 1 through 83</p> <p>C. Any byproduct material with atomic numbers 84 through 95</p> <p>D. Hydrogen 3</p> <p>E. Cobalt 60</p> <p>F. Strontium 90</p> <p>G. Cesium 137</p> <p>H. Uranium (Natural or Depleted)</p> <p>I. Thorium (Natural)</p> <p>J. Polonium 210</p> <p>K. Plutonium 238</p> <p>L. Americium 241</p> <p>M. Californium 252</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Sealed sources</p> <p>C. Any</p> <p>D. Accelerator targets</p> <p>E. Sealed sources</p> <p>F. Sealed sources</p> <p>G. Sealed sources</p> <p>H. Any</p> <p>I. Any</p> <p>J. Any</p> <p>K. Sealed sources</p> <p>L. Any</p> <p>M. Sealed source</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 1 curie per radionuclide and 10 curies total</p> <p>B. Not to exceed 50 millicuries per source and 2 curies total</p> <p>C. Not to exceed 1 millicurie total</p> <p>D. 30 curies</p> <p>E. [7] Ex 2</p> <p>F. 5 curies</p> <p>G. [] Ex 2</p> <p>H. 5 kilograms</p> <p>I. 10 kilograms</p> <p>J. 10 microcuries</p> <p>K. 10 microcuries</p> <p>L. 1 millicurie</p> <p>M. [] Ex 2</p>
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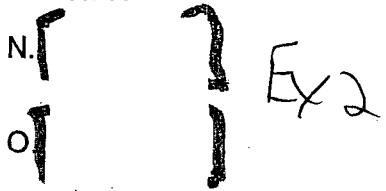

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License Number 29-01022-06
Docket or Reference Number 030-05248
Amendment No. 52

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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 |
| N. Cesium 137 | N. Sealed sources (J.L. Shepherd Model 6810) | N.  |
| O. Cesium 137 | O. Sealed source (J.L. Shepherd Model 6810) | O.  |
| P. Cesium 137 | P. Sealed source (J.L. Shepherd Model 6810) | P. 130 millicuries |

9. Authorized use:
- A. Research and development as defined in 10 CFR 30.4; for training and instrument calibrations; analysis of test samples as a service for persons as defined in 10 CFR 20.1003; calibration of instruments as a service for persons as defined in 10 CFR 20.1003 and the storage of contaminated materials.
 - B. through M. Research and development as defined in 10 CFR 30.4; for training and instrument calibrations; analysis of test samples as a service for persons as defined in 10 CFR 20.1003; calibration of instruments as a service for persons as defined in 10 CFR 20.1003.
 - N. For use in a J.L. Shepherd Model 81-14Q calibrator; calibration of instruments as a service for persons as defined in 10 CFR 20.1003.
 - O. and P. For use in a J.L. Shepherd Model 89-260 calibrator; calibration of instruments as a service for persons as defined in 10 CFR 20.1003

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at the U.S. Army Communications - Electronics Command, Fort Monmouth, New Jersey. Licensed material listed in Items 6.B., 7.B., and 8.B., and 6.L., 7.L, and 8.L. may be used at temporary job sites of the licensee anywhere in the United States.
- 11. A. Licensed material shall be used by, or under the supervision of, individuals designated in writing by the Radiation Safety Committee, Joseph M. Santarsiero, Chairman.
- B. The Radiation Safety Officer for this license is Joseph M. Santarsiero.
- 12. Licensed material shall not be used in or on human beings.
- 13. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.

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14. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
16. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

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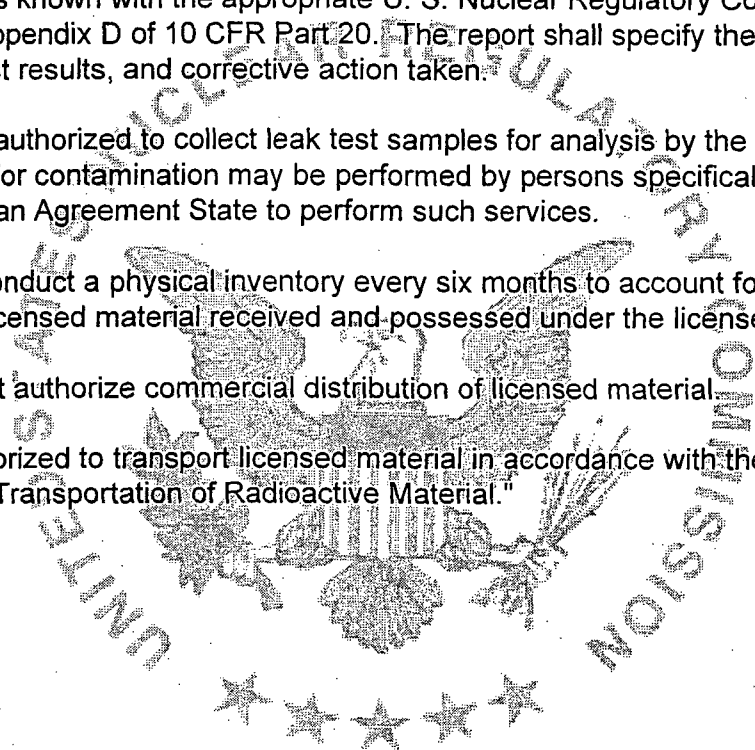
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- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the appropriate U. S. Nuclear Regulatory Commission, Regional Office referenced in Appendix D of 10 CFR Part 20. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- 17. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
- 18. This license does not authorize commercial distribution of licensed material.
- 19. 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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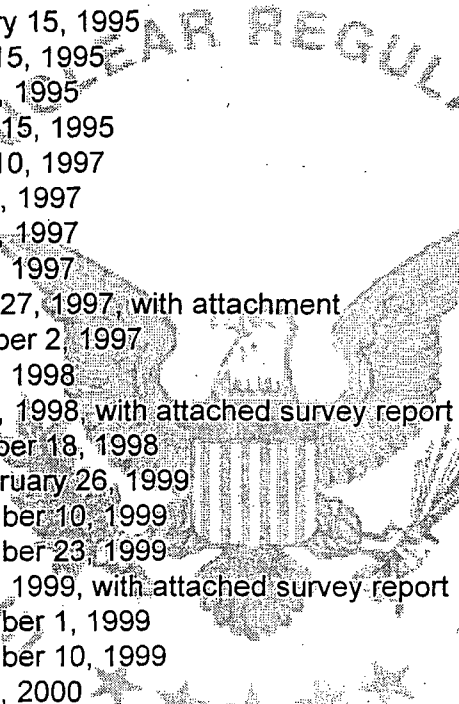
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20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear 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. Letter dated February 15, 1995
 - B. Letter dated March 15, 1995
 - C. Letter dated May 19, 1995
 - D. Letter dated August 15, 1995
 - E. Letter dated March 10, 1997
 - F. Letter dated April 11, 1997
 - G. Letter dated May 12, 1997
 - H. Letter dated July 30, 1997
 - I. Letter dated August 27, 1997, with attachment
 - J. Letter dated December 2, 1997
 - K. Letter dated July 30, 1998
 - L. Letter dated May 13, 1998, with attached survey report
 - M. Letter dated November 18, 1998
 - N. Facsimile dated February 26, 1999
 - O. Letter dated September 10, 1999
 - P. Letter dated September 23, 1999
 - Q. Letter dated July 14, 1999, with attached survey report
 - R. Letter dated September 1, 1999
 - S. Letter dated September 10, 1999
 - T. Letter dated April 13, 2000
 - U. Letter dated April 30, 2000 received by electronic mail
 - V. Letter dated July 27, 2000
 - W. Letter dated April 19, 2000, with attached survey report
 - X. Letter dated July 6, 2000
 - Y. Letter dated August 18, 2000

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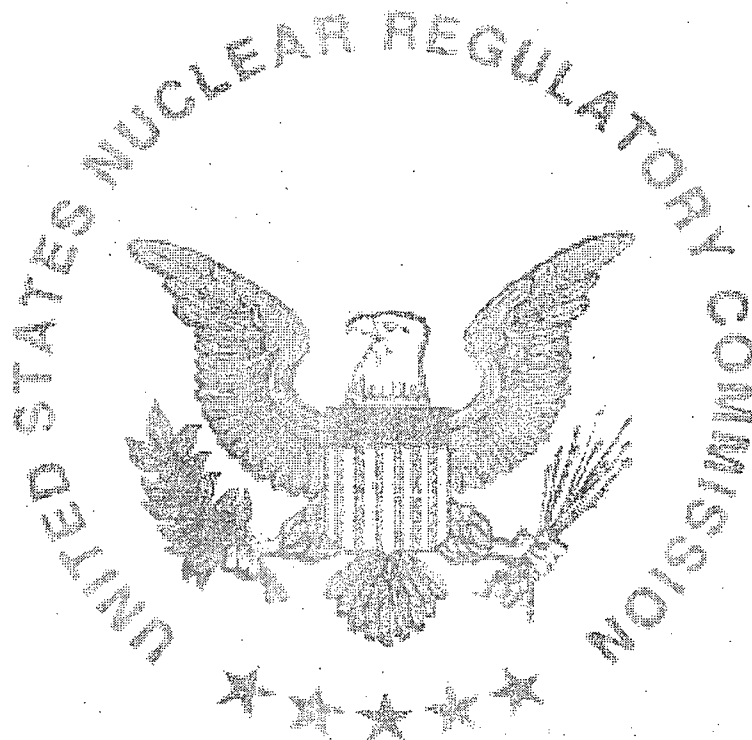
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For the U.S. Nuclear Regulatory Commission

Original signed by Steve W. Shaffer

Date October 16, 2000

By

 Steve W. Shaffer
 Decommissioning and Laboratory Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406

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