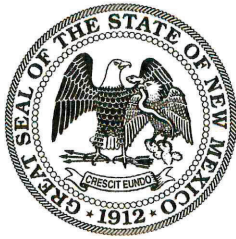


APPENDIX A
RADIOACTIVE MATERIALS LICENSE
SO067-36



MICHELLE LUJAN
GRISHAM
Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

1100 St. Francis Drive Suite 2022

P.O. Box 5469

Santa Fe, NM 87502-5469

Telephone Number: (505) 476-8600 Fax Number: (505) 476-8654

<https://www.env.nm.gov/rcb/>

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JAMES KENNEY
Cabinet Secretary

December 20, 2022

Ron Cardarelli, RSO
Thermo Eberline LLC
P.O. Box 1446
Manchester, MA 01944

Dear Mr. Cardarelli:

Carefully review the contents and assure a complete understanding of all conditions in the attached New Mexico Radioactive Material License number SO067-36, and immediately report any errors or omissions to the Radiation Control Bureau.

License action: Renewal, this license will expire December 31, 2027. Amended, line item 2 changed from "CS067-35" to "SO067-36."

The licensee is required to be familiar with: www.env.nm.gov/rcb/, 20.3 NMAC.

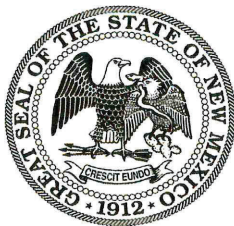
A move to a different location requires you to notify and receive authorization from this Department at least thirty days in advance. Any sale or transfer of licensed material must be in accordance with 20.3.3.317.B. NMAC.

Should you have any questions, please contact the Bureau at (505) 476-8600.

Sincerely,

Santiago M. Rodriguez, Bureau Chief
Radiation Protection Program



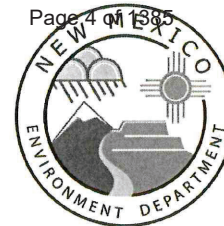


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JAMES KENNEY
Cabinet Secretary



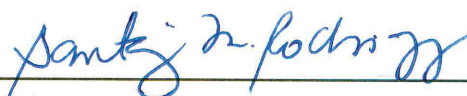
RADIOACTIVE MATERIAL LICENSE

Pursuant to Sections 74-3-1 through 74-3-16 NMSA 1978, and 20.3.3 NMAC, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated in this license; and to use said radioactive material(s) for the purpose(s) and at the place(s) designated herein. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect, of the New Mexico Environment Department and to any conditions specified herein.

1. License Name Thermo Eberline LLC	2. License Number SO067-36
3a. Address P.O. Box 1446 Manchester MA 01944	3b. Actual Location of Operation 5981 Airport Road, Santa Fe, New Mexico, 87507
4. Telephone (978) 257-3442	5. Expiration Date December 31, 2027

Date: December 20, 2022

For the New Mexico Environment Department


Santiago M. Rodriguez, Bureau Chief (MJC)
Radiation Protection Program

Attachments:

- 1) Radioactive Material Specifications
- 2) Authorized Use(s) and License Conditions

SO067-36

ATTACHMENT 1 - RADIOACTIVE MATERIAL SPECIFICATIONS

LICENSE NUMBER SO067-36

6. RADIOACTIVE MATERIALS (element and mass number)	7. FORM (chemical or physical)	8. MAXIMUM QUANTITY (Licensee may possess at any one time)
A. Any radioactive materials between atomic numbers 84 and 95 inclusive.	A. Any.	A. 1 millicurie per radionuclide, not to exceed 12 millicuries, total.
B. Cesium 137.	B. Any, other than sealed sources.	B. 12.6 curies, total.
C. Any radioactive materials between atomic numbers 1 and 83, inclusive.	C. Any.	C. Not to exceed 1 millicurie per radionuclide, 20 millicuries total.
D. Any radioactive material with atomic number greater than 95.	D. Any.	D. 1 millicurie, total.
E. Depleted Uranium.	E. Any.	E. 1 millicurie, total.
F. Americium 241.	F. Any.	F. 861.6 millicuries, total.
G. Carbon 14.	G. Any.	G. 8 millicuries, total.
H. Plutonium 239.	H. Any.	H. 3.1 millicuries (50 mg), total.
I. Plutonium 239/Beryllium	I. Any.	I. 50 microcuries, total.
J. Plutonium 239/Lithium.	J. Any.	J. 133.5 millicuries, total.
K. Thorium 230.	K. Any.	K. 3 microcuries.

END OF THIS SECTION

ATTACHMENT 2 - AUTHORIZED USE(S) AND LICENSE CONDITIONS**LICENSE NUMBER SO067-36**

9. Authorized Uses:

A. and B. Storage Only. For handling of licensed material for disposal.

C. through K. As a contingency in the event that radioactive material is discovered during the scoping survey and sampling process of previously licensed materials.

10. The licensee shall comply with the provisions of 20.3.3, 20.3.4, 20.3.10, and 20.3.16 NMAC.

11. The Radiation Safety Officer for this license is Ronald D. Cardarelli.

12. Radioactive materials shall be used by or under the direct supervision of individuals deemed qualified by the radiation safety officer. Names and evidence of training of these individuals shall be kept on file for inspection by this Department.

13. The Secretary of the Department or the Secretary's authorized representatives shall be allowed to enter the premises and inspect the radiation related activities at all reasonable times. Failure to admit the Secretary or the Secretary's representatives shall constitute grounds for issuance of an immediate cease and desist order.

14. Each sealed source acquired from another person and containing licensed material, other than hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

A1. Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and gamma emitting material or 10 microcuries or less of alpha emitting material.

A2. Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to use or transfer as a sealed source. If the inspection or test reveals any construction defects, the source shall not be used or transferred as a sealed source until it has been repaired, decontaminated, and retested.

C. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently or semi-permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcurie and maintained for inspection by the Department.

D. Tests for leakage and contamination shall be performed by the licensee or by persons specifically authorized by the Department to perform such services.

E. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with the Department regulations. A report shall be filed within five days of the test with the New Mexico Environment Department, Radiation Control



ATTACHMENT 2 - AUTHORIZED USE(S) AND LICENSE CONDITIONS**LICENSE NUMBER SO067-36**

Bureau, P.O. Box 5469, Santa Fe, New Mexico 87502-5469.

15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. The records of the inventories shall be maintained for five years from the date of the inventory for inspection by the Department. The inventory record shall include the manufacturer, model number of each source and device, and serial number if one is assigned, the identity of each source radionuclide and its nominal activity, the location of each source, the date of the inventory, and the signature of the person taking the inventory.

16. The licensee shall follow Decommissioning Plan in accordance with the provisions in 20.3.3.318.H NMAC, and the US NRC Guide NUREG 1757 Vol 1, Vol 2, Vol 3, MARSSIM and MARSAME.

17. The licensee may transport licensed material or deliver licensed material to carrier for transport in accordance with the provisions of 10CFR, Part 71, "Packaging and Transportation of Radioactive Material."

18. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations and procedures contained in, reference in or enclosed with the documents listed below. The New Mexico Radiation Protection Regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- * Renewal application with attachments dated November 25, 2002, signed by Jimmie N. Little, RSO;
- * Letter dated August 22, 2003, signed by Jimmie N. Little, RSO;
- * Letter with attachments dated March 30, 2004, signed by John Stanke, Isotope Committee Chairman;
- * Letter dated April 6, 2006 and letter with attachments dated May 11, 2006, signed by Charles R. Lamborn, RSO and John Stanke, Isotope Committee Chairman;
- * Letter with attachments dated March 13, 2009;
- * Administratively renewed approved by Michael Ortiz, Chief.
- * Renewal application with attachments dated November 26, 2012.
- * Administratively amended to add line item 10A, 10B. And 10C. And reformat consecutive line items. On December 22, 2015.
- 30 Amendment request with attachments dated January 26, 2017. Received March 27, 2017.
- 31 Renewal and amended with attachments dated December 13, 2017, and February 20, 2018.
- 32 Amendment request with attachments dated September 3, 2019.
- 33 Amendment request dated January 27, 2020.
- 34 Amendment request dated September 21, 2020, October 27, 2020, and November 5, 2020.
- 35 Administratively amended to add NUREG 1757, Vol 1, Vol 2, Vol 3, MARSSIM, and MARSAME on November 4, 2021.
- 36 Renewal and amended with attachments dated December 2, 2022.

END OF THIS SECTION.

