



Radiation Control Bureau

State of New Mexico

Environment Department

1190 St. Francis Drive, 87505-4173

PO Box 26110

Santa Fe, New Mexico 87502-6110

Phone (505) 476-3236 Fax (505) 476-3232

<http://www.nmenv.state.nm.us/nmrcb/home.html>



January 23, 2004

AUG 03 2004

Klay L. Roberts
Atomic Inspection Labs, Inc.
5620 Modesto NE Suite A
Albuquerque, NM 87113

Dear Mr. Roberts:

Please carefully review the content of your enclosed New Mexico Radioactive Material License for the possession and use of the radioactive material. This license has been amended to change the location of operation and add an I.R. authorized Radiographer and Radiographer's Assistant. Immediately report any errors or omissions to the Radiation Control Bureau.

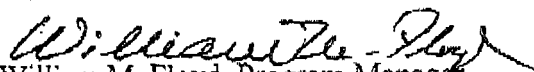
A New Mexico radioactive material licensee is required to be familiar with applicable parts of 20.3 NMAC. Copies of these regulations are available through the internet at www.nmenv.state.nm.us/nmrcb/home.html

This license entitles the licensee to possess and use licensed material only at the locations named in New Mexico. Use of licensed material in other Agreement States, or on land falling under federal jurisdiction, must be in accordance with requirements imposed by these external jurisdictions.

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. All individuals receiving licensed material must possess a current U.S. NRC or Agreement State license.

Please provide a copy of this license to all locations in New Mexico. The licensee is subject to an annual fee as per 20.3.16 NMAC, due and payable on the anniversary of the date of issue of this license. Please include license name and number with the remittance to assure credit is made for payment. Should you have any questions, please call me at (505) 476-3236.

Sincerely,


William M. Floyd, Program Manager
Radiation Control Bureau



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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 Atomic Inspection Labs, Inc.	2. License Number IR022-21
3a. Address 5620 Modesto NE Suite A Albuquerque, NM 87113	3b. Actual Location of Operation 5620 Modesto, N.E., Ste. A, Albuquerque, N.M., 87113, and temporary job sites throughout NM not under Federal jurisdiction.
4. Telephone (505) 828-2315 (505) 564-2050	5. Expiration Date March 31, 2007

Date: January 23, 2004

For the New Mexico Environment Department

William M. Floyd
William M. Floyd, Program Manager (mr)
Radiation Control Bureau

Attachments:

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

IR022-21

ATTACHMENT 1 - RADIOACTIVE MATERIAL SPECIFICATIONS



LICENSE NUMBER IR022-21

6. RADIOACTIVE MATERIALS (element and mass number)	7. FORM (chemical or physical)	8. MAXIMUM QUANTITY (Licensee may possess at any one time)
A. Iridium 192.	A. Sealed sources (CIS-US, Inc. Model #102).	A. No single source to exceed 150 curies.
B. Iridium 192.	B. Sealed sources (Amersham Sentinel Model A424-9).	B. No single source to exceed 150 curies.
C. Cesium 137.	C. Sealed sources (Tech/Ops Model #77302).	C. No single source to exceed 150 millicuries.
D. Ytterbium 169.	D. Sealed source (Amersham Model #91810).	D. No single source to exceed 20 curies.

END OF THIS SECTION



ATTACHMENT 2 - AUTHORIZED USE(S) AND LICENSE CONDITIONS



LICENSE NUMBER IR022-21

9. Authorized Use:

A. For use in AEAT/Sentinel Model 660 A or 660 B or Model 880 exposure devices for industrial radiography, exchange and shipping. Also for use in INC Model IR-50 containers for exchange and shipping.

B. For use in AEAT/Sentinel Model 660A or 660 B or Model 880 exposure device for industrial radiography and containers for exchange and shipping. Also for use in Amersham Model 650L containers for exchange and shipping.

C. For use in Tech Ops Model 773 calibration device for calibration of industrial radiography survey meters and dosimeters.

D. For use in AEAT/Sentinel Model 660A or 660B or Model 880 exposure devices for industrial radiography, exchanger and shipping. Also for use in Sentinel/Amersham Model 650L container for exchange and shipping.

10. The licensee shall comply with the provisions of 20.3, 20.4, 20.5, and 20.10 NMAC.

12.A. 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 of the licensee to admit the Secretary or the Secretary's authorized representatives shall constitute grounds for issuance of an immediate cease and desist order.

12.B. Each site shall maintain documents and records pertinent to the operations at that site. Copies of all documents and records required by this license shall be maintained for inspection by the Department.

12.C. Thirty (30) days before vacating or relinquishing possession or control of the premises, the licensee shall notify the Department in writing of the intent to vacate and the address of relocation.

13.A. The Radiation Safety Officer (RSO) for activities covered by this license is Klay L. Roberts.

13.D. The individuals listed below are the only persons authorized by this license to act as radiographers or radiographer's assistants as defined in Subpart 5, Section 515, NMAC:

RADIOGRAPHERS:

Klay L. Roberts, Patrick Baumar, Kelton Roberts, Bernard Heiman, Paul A. Bauman, Scott R. or James Marral.

RADIOGRAPHER'S ASSISTANT:

Ike Stover

13.D. Training shall be in accordance with the licensee's training program approved by the Department, and shall include the subjects outlined in 20.5.527 NMAC.

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13.E. The Radiation Safety Officer shall maintain records listing those individuals who have received the approved training, designated as users, evidence of their qualifications, and certification to use licensed radioactive materials for inspection by the Department.

14. The licensee shall conduct a physical inventory every three months to account for all radiography sources received and possessed under the license. The records of the inventories shall be maintained for two years from the date of the inventory for inspection by the Department and shall include the quantities and kinds of radioactive material, the location of sealed sources, the date of the inventory, the name of the individual making the inventory, the manufacturer, the model number, and the serial number.

15. All incidents shall be reported to the Department in accordance with 20.4.452 NMAC.

16.A. Each sealed source 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 contamination and leakage 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 (6) months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

16.B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department.

16.C. 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 Department regulations. A report shall be filed within five days of the test with the New Mexico Environment Department, Radiation Protection Program, P.O. Box 26110, 1190 Saint Francis Drive, Santa Fe, New Mexico 87502-6110, describing the equipment involved, the test results and the corrective action taken.

16.D. Notwithstanding the periodic leak tests required by 20.5.510.A. through E. NMAC, the requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use or transfer to another person. No sealed source or device containing licensed material shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

16.E. The licensee is authorized to collect test samples for leakage and contamination for analyses by persons specifically authorized by the Department to perform such services.

17. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.



ATTACHMENT 2 - AUTHORIZED USE(S) AND LICENSE CONDITIONS



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18. The licensee is authorized to receive, possess, and use sealed sources of iridium 192 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided:
- 18.A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for iridium 192;
- 18.B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor for the radioactive material; and
- 18.C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 20.5.504 NMAC.
19. Each radiographic exposure device, source assembly or sealed source, and all associated equipment must meet the requirements in accordance with 20.5.506 NMAC minimum criteria for equipment used in industrial radiographic operations.
20. In addition to the radioactive material authorized in Items 6, 7, & 8 above, the licensee is authorized to possess, use and transfer up to 999 kilograms of uranium contained as shielding material in the radiography exposure device(s) and source changer(s) authorized by this license.
21. The licensee shall not transfer possession or control of materials or products containing licensed material as a contaminant except:
- 21.A. By transfer of waste to an authorized recipient;
- 21.B. By transfer to a specifically licensed recipient; or
- 21.C. As provided otherwise by specific condition of this license.
22. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transportation Under Certain Conditions." A properly marked shipping container of the type supplied with the device shall be used whenever the device is shipped by commercial carrier.
23. The licensee shall restrict the possession of licensed material to quantities below the minimum limit specified in 311 D for establishing financial assurance for decommissioning.
24. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, and 8, of the license in accordance with statements, representations and procedures contained in the documents listed below. The most recent statements, representations, and procedures shall govern if they conflict with previously submitted documents. 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

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ATTACHMENT 2 - AUTHORIZED USE(S) AND LICENSE CONDITIONS



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regulations.

- * Application with attachments dated May 17, 1995, and December 27, 1995, both signed by Klay L. Roberts, RSO;
- * Letter dated July 5, 1996, signed by Klay L. Roberts, President, RSO;
- * Letter with attachment dated March 19, 1997, signed by Klay L. Roberts, President, RSO;
- * Administratively amended on August 14, 1997, approved by William M. Floyd, RLRS Program Manager;
- * Letter with attachment dated March 10, 1998, signed by Klay L. Roberts, RSO;
- * Letter with attachments dated February 1, 2001, signed by Klay L. Roberts, RSO;
- * Telefax dated April 12, 2001, signed by Klay L. Roberts, RSO;
- * Administratively amended to add Condition 19., on August 6, 2001, approved by Bill Floyd, Radiation Control Bureau, Program Manager;
- * Application with attachments dated March 20, 2002, signed by Kay L. Roberts, RSO;
- * Letter with attachments dated January 6, 2004, signed by Klay L. Roberts, RSO.

END OF THIS SECTION.

