



Indianapolis Testing Laboratory

1432 Sadler Circle East Drive
 Indianapolis, IN 46239
 p 317.322.9500 f 317.322.9501
 www.indianapolistestinglab.com
 info@indianapolistestinglab.com

WITHOUT A DOUBT

FAX

To:	Toie	From:	Dan Rogers
Fax:	630-829-9782	Pages:	6 pages including this cover page
Tx:		Date:	August 25, 2009
Re:			

Comments:

Attached is the Radioactive Material License for Chicago Testing laboratory, Inc., along with the License Renewal Application letter.

Dan Rogers

ILNS.FLM-004-01 (8/91)

STATE OF ILLINOIS
ILLINOIS EMERGENCY MANAGEMENT AGENCY
DIVISION OF NUCLEAR SAFETY

RADIOACTIVE MATERIAL LICENSE

1035 OUTER PARK DRIVE
SPRINGFIELD, ILLINOIS 62704

Pursuant to the Illinois Radiation Protection Act and the rules and regulations in 32 Illinois Administrative Code promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified in the license.

LICENSEE

Chicago Testing Laboratory, Inc.
18000 S. Williams Street
Thornton, IL 60476

LICENSE NUMBER

IL-02065-01

EXPIRATION DATE

June 30, 2009

AMENDMENT NUMBER

4

Attention: Steve Richter
Radiation Safety Officer

In accordance with letter with attachments dated August 12, 2005, License Number IL-02065-01 is amended in its entirety. Previous amendments are void.

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Cs-137	Sealed Source - Amersham Holdings, Inc. Model CDCW556 or Isotope Products Laboratories Model HEG-0058 (formerly Troxler A-102112)	9 mCi	162 mCi
B.	Am-241 (AmBe)	Sealed Source - Amersham Holdings, Inc. Model AMN.V997 or Isotope Products Laboratories Model 3021 or 3027 (formerly Troxler A-102451)	44 mCi	792 mCi
C.	Cs-137	Sealed Source - Amersham Holdings, Inc. Model CDCW556 or Isotope Products Laboratories Model HEG-137-8M (Capsule 3024)	9 mCi	18 mCi
D.	Am-241	Sealed Source - Amersham Holdings, Inc. Model AMN.V340	300 mCi	600 mCi
E.	Cs-137	Sealed Source - Humboldt Scientific, Inc. Drawing Number 2200064	11 mCi	22 mCi
F.	Am-241	Sealed Source - Humboldt Scientific, Inc. Drawing Number 2200067	44 mCi	88 mCi

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:

Charles G. Vinson

DATE

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for Charles G. Vinson, Supervisor of Materials Licensing
IL 473-8019

October 20, 2005

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IDS FLM-004-02 (091)

STATE OF ILLINOIS
 IEMA DIVISION OF NUCLEAR SAFETY
 RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Chicago Testing Laboratory, Inc.	IL-02065-01	4	June 30, 2009

ITEM	RADIOISOTOPE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
G.	Ra-226	Sealed Source - Radium Chemical Company Model RAN.W25	4.5 mCi	9.0 mCi
H.	Ra-226	Sealed Source - Amersham Model RAN.W25	5 mCi	20 mCi

AUTHORIZED USE:

- A. and B. For use in Troxler Electronics Model 3400 series gauges for measuring the moisture/density of various materials.
- C. For use in Troxler Electronics Model 4640 gauges for measuring the density of various materials.
- D. For use in Troxler Electronics Model 3241-C gauges for measuring the asphalt content.
- E. and F. For use in Humboldt Scientific, Inc. Model 5001 gauges for measuring the moisture/density of various materials.
- G. For use in Seaman Nuclear Model C-200 gauges for measuring the moisture/density of various materials.
- H. For use in Seaman Nuclear Model C75 gauges for measuring moisture/density of various materials.

CONDITIONS

- 1. A. Radioactive material shall be stored at the licensee's facilities located at 181st Street and Indiana Avenue, Thornton, Illinois and used at temporary job sites of the licensee in accordance with document received February 24, 2005 describing gauge storage restrictions and statements, representations and procedures listed in other conditions of this license.
- B. Radioactive material listed in License Schedule Items A., B., G. and H. shall be stored at the licensee's facilities located at 3966 W. Dayton Street, Suite A, McHenry, Illinois and used at temporary job sites of the licensee in accordance with document received February 24, 2005 describing gauge storage restrictions and statements, representations and procedures listed in other conditions of this license.

*µCi-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; µg-microgram; kg-kilogram

APPROVED BY: _____ DATE _____ PAGE OF PAGES _____

Charles G. Vinson, Supervisor of Materials Licensing
 IL 473-0059

October 20, 2005

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DNIS FORM 004-02 (8/91)

STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE

Chicago Testing Laboratory, Inc.

LICENSE NUMBER
IL-02065-01

AMENDMENT NUMBER
4

EXPIRATION DATE
June 30, 2009

7. When performing tests at temporary job sites, the authorized user shall not leave the device unattended. Upon completion of tests, the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss, or theft.
8. At any time the licensee is engaged in making measurements by authority of this license at a temporary job site, the licensee shall have a current copy of each of the following documents available at the temporary job site for inspection by the Agency:
 - A. The license, including all active amendments;
 - B. The manufacturer's instruction manual for the sealed sources and devices at the temporary job site;
 - C. The licensee's emergency procedures; and
 - D. The results of the latest test for leakage and/or contamination performed on the sealed source.
9. The licensee shall conduct a physical inventory at intervals not to exceed six months to account for each sealed source received and possessed under the license and shall maintain a record of such inventories. The inventory records shall include the radionuclide, activity, activity assay date, manufacturer, model and serial number, the location of the sealed source, date of the inventory and the identity of the individual(s) performing the inventory. Records of inventories shall be maintained for five years from the date of each inventory.
10. Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in, referenced in, or enclosed with the documents listed below. The regulations contained in 32 Ill. Adm. Code: Chapter II, Subchapters b and d shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations. The most recent statements, representations and procedures listed below shall govern if they conflict with previously submitted documents.
 - A. Applications dated May 5, 1999 and January 23, 2004.
 - B. Telefacsimile dated June 23, 1999.
 - C. Telefacsimile dated April 14, 2003.
 - D. Letters, with attachments, dated December 13, 2004, January 4, 2005 and August 12, 2005.
 - E. Document received February 24, 2005.

COVDMP.rmt

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:

DATE

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Charles G. Vinson, Supervisor of Materials Licensing

IL 413-0059

October 20, 2005

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IDNS.FLM-004-02 (4/91)

STATE OF ILLINOIS
 IEMA DIVISION OF NUCLEAR SAFETY
 RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Chicago Testing Laboratory, Inc.	IL-02065-01	4	June 30, 2009

(Condition 1. continued)

- C. Radioactive material listed in License Schedule Items A., E., F. and H. shall be stored at the licensee's facilities located at 1612 Landmeier Road, Suite C, Elk Grove Village, Illinois and used at temporary job sites of the licensee in accordance with document received February 24, 2005 describing gauge storage restrictions and statements, representations and procedures listed in other conditions of this license.
- 2. Radioactive material shall be used by, or under the supervision and in the physical presence of, Steve Richter or individuals who have successfully completed the manufacturer's training course or an equivalent, Agency approved, training course. The licensee shall maintain training records of all designated users.
- 3.
 - A. The Radiation Safety Officer for the Thornton, Illinois facility is Steve Richter.
 - B. The Radiation Safety Officer for the McHenry, Illinois facility is William J. Wyzgala.
 - C. The Radiation Safety Officer for the Elk Grove Village, Illinois facility is Christopher Chan.
- 4.
 - A. Each sealed source possessed under this license shall be tested for leakage and/or contamination as specified in 32 Ill. Adm. Code 340.410. Tests for leakage and/or contamination shall be performed by persons specifically licensed to provide such services.
 - B. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by persons specifically authorized by the Agency, an Agreement State, a Licensing State, or the U.S. Nuclear Regulatory Commission to perform such services.
 - C. The records of tests for leakage and/or contamination shall contain the manufacturer, model and serial number, if assigned, of each source tested, the identity of each source radionuclide, the results for each test sample expressed in Bq or μ Ci, the date the sample was collected, the date the sample was analyzed, the identity of the individual who collected the sample(s) and the identity of the individual who analyzed the sample(s).
- 5. Maintenance, repair and initial radiation monitoring of devices containing radioactive material shall be performed only by persons specifically authorized by the Agency, an Agreement State, or the Nuclear Regulatory Commission to perform such services.
- 6.
 - A. The source holder shall be locked in the "off" or closed position when the device is not in use.
 - B. Sealed sources shall not be opened or removed from their source holders by the licensee.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:

DATE

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Charles G. Vinson, Supervisor of Materials Licensing
 IL 471.0039

October 20, 2005

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Illinois Emergency Management Agency

Division of Nuclear Safety

Pat Quinn Governor

Andrew Velosquez III Director

Joseph G. Klinger Assistant Director

June 29, 2009

Radioactive Material License
IL-02065-01

Steve Richter
Radiation Safety Officer
Chicago Testing Laboratory, Inc
18000 S. Williams Street
Thornton, IL 60476
Subject: Receipt of License Renewal Application

Dear Mr. Richter:

This is to acknowledge receipt of your application to renew Illinois radioactive material license No. IL-02065-01. Your application was timely filed with the Agency at least 30 days before the expiration date on the license. In accordance with 32 Ill. Adm. Code 330.330(b), the license will continue in effect if necessary beyond the expiration date on its face, until the Agency either approves your application and renews your license or notifies you otherwise in writing.

Any correspondence to the Agency regarding your renewal application should reference the above license number and be submitted in duplicate. Please contact me at (217) 785-9947 if you have any questions. Please visit the nuclear safety section of the Agency's website at www.iema.illinois.gov/iema_dns.asp for the latest information concerning the Division of Nuclear Safety's programs. Our website includes important information such as new and proposed requirements, guidance, events and other pertinent items of interest.

Sincerely,

Steven C. Collins, Supervisor
Radioactive Materials Licensing

SCC:rdh

