

DEPARTMENT OF NUCLEAR SAFETY

1035 OUTER PARK DRIVE • SPRINGFIELD, ILLINOIS 62704
217-785-9900 • 217-782-8133 (TDD)

George H. Ryan
Governor

Thomas W. Ortziger
Director



November 8, 2001

Radioactive Material License
IL-01448-01

Stanley Walczynski
Vice President
Bloom Consultants, LLC
1870 North Roselle Road, Suite 101
Schaumburg, IL 60195

Dear Mr. Walczynski:

Enclosed is amendment number 9 to your License Number IL-01448-01. For your convenience, the changes are boldfaced on this license amendment.

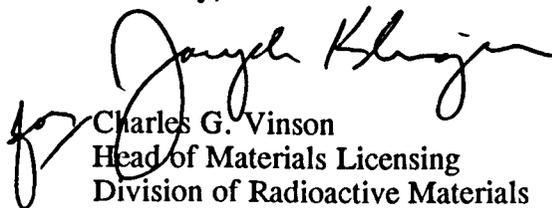
Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive material in accordance with the conditions of your Illinois license, representations made in your license application, and Illinois regulations.

You must request and obtain an appropriate amendment if you plan to make any changes in your facility or program. Certain amendments require that a fee be assessed and paid to the Department. If applicable, you will be billed in accordance with the requirements of 32 Ill. Adm. Code Part 331.120.

You will be periodically inspected by this agency. Failure to conduct your program in accordance with IDNS regulations and your license will result in enforcement action.

Thank you for your cooperation in this matter. When corresponding with this office, please refer to your License Number and ensure that all items are submitted in duplicate. If you have any questions, please contact the Division of Radioactive Materials, Licensing Section at (217) 785-9947.

Sincerely,


Charles G. Vinson
Head of Materials Licensing
Division of Radioactive Materials

CGV:DMP:kjg

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STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

RADIOACTIVE MATERIAL LICENSE

DIVISION OF RADIOACTIVE MATERIALS
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 Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in the license. This document confirms that the licensee has registered the sources of radiation listed below in accordance with Section 2 of the Radiation Installations Act.

<u>LICENSEE</u>	<u>LICENSE NUMBER</u>	<u>EXPIRATION DATE</u>
Bloom Consultants, LLC 1870 North Roselle Road, Suite 101 Schaumburg, IL 60195	IL-01448-01	October 31, 2004

AMENDMENT NUMBER
9

Attention: **Stanley Walczynski**
Vice President

In accordance with letter dated October 16, 2001, License Number IL-01448-01 is amended in its entirety. Previous amendments are void.

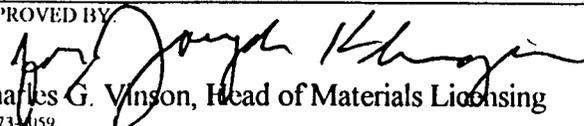
ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Cs-137	Sealed Source - Amersham Corp. Model CDCW566, capsule type XN.30, Model CDCW556, capsule Type X1218, Isotope Products Model HEG-0057, capsule type 3024, Troxler Drawing #A-102112	9 mCi	72 mCi
B.	Am-241	Sealed Source - Amersham Corp. Model AMNV.997, capsule type X.1, Isotope Products Model HEG-0058, capsule type 3024, Troxler Drawing #A-102451	44 mCi	352 mCi
C.	Cs-137	Sealed Source - Campbell Pacific Nuclear Model CPN-131	10 mCi	10 mCi
D.	Am-241 (AmBe)	Sealed Source - Campbell Pacific Nuclear Model CPN-131	50 mCi	50 mCi

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

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DATE

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Charles G. Vinson, Head of Materials Licensing
IL 4731-059

November 8, 2001

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STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

<u>LICENSEE</u>	<u>LICENSE NUMBER</u>	<u>AMENDMENT NUMBER</u>	<u>EXPIRATION DATE</u>
Bloom Consultants, LLC	IL-01448-01	9	October 31, 2004

AUTHORIZED USE:

- A. and B. For use in Troxler Electronics Model 3400 gauges for measuring the moisture/density content of various materials.
- C. and D. For use in Campbell Pacific Nuclear Model MC Series gauges for measuring the moisture/density of various materials.

CONDITIONS

1. Radioactive material shall be used at the licensee's facilities located at 1870 Roselle Road, Suite 101, Schaumburg, Illinois and at temporary jobsites of the licensee in areas not under exclusive Federal jurisdiction throughout the State of Illinois in accordance with 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, Gerald Mauter or individuals who have been trained in accordance with application dated September 24, 1999 and letter, with attachments, dated November 16, 1999. The licensee shall maintain training records of all designated users.
3. The Radiation Safety Officer for this license is Gerald Mauter.
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 Department, 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 μCi , 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).

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

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Charles G. Vinson, Head of Materials Licensing

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5. Maintenance, repair and initial radiation monitoring of devices containing radioactive material shall be performed only by persons specifically authorized by the Department, 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.
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 Department:
 - 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.

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

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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. Application dated September 24, 1999.
 - B. Letters, with attachments, dated November 16, 1999 and October 3, 2000.
 - C. Telefacsimile dated December 27, 2000.
 - D. Letter dated October 16, 2001.

CGV:DMP:kjg

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

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