

MATERIALS LICENSE

Amendment No. 05

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.

OFFICIAL RECORD COPY

<p>Licensee</p> <p>1. Lucius Pitkin, Incorporated</p> <p>2. 30 East Railway Avenue Paterson, New Jersey 07503</p>	<p>In accordance with the letter dated March 31, 1997,</p> <p>3. License Number 29-27816-01 is amended in its entirety to read as follows:</p> <p>4. Expiration Date May 31, 2003</p> <p>5. Docket or Reference No. 030-29140</p>	
<p>6. Byproduct, Source, and/or Special Nuclear Material</p> <p>A. Iridium 192</p> <p>B. Cobalt 60</p> <p>C. Cesium 137</p> <p>D. Depleted Uranium</p> <p>E. Cesium 137</p> <p>F. Americium 241</p>	<p>7. Chemical and/or Physical Form</p> <p>A. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation</p> <p>B. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation</p> <p>C. Sealed sources (Amersham/Technical Operations Model VD-HP or Model 77302)</p> <p>D. Metal</p> <p>E. Sealed sources</p> <p>F. Sealed neutron sources</p>	<p>8. Maximum Amount that Licensee May Possess at Any One Time Under This License</p> <p>A. Not to exceed 240 curies per source and 3,000 curies total except as specified by Condition 12</p> <p>B. Not to exceed 40 curies per source and 500 curies total except as specified by Condition 12</p> <p>C. 165 millicuries</p> <p>D. 999 kilograms</p> <p>E. 100 millicuries</p> <p>F. 500 millicuries</p>

9. Authorized use

- A. and B. For use in a compatible radiographic exposure device registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation for performing industrial radiography and in a compatible source changer registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for source storage and exchange.
- C. For use in a Technical Operations Model 733 Calibrator for the calibration of the licensee's radiation detection equipment.
- D. Shielding for radiographic equipment.



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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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030-29140

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(9. Continued)

E. and F. For possession and use in Troxler Electronic Laboratories, Inc., Campbell Pacific Nuclear Corp., Humboldt Scientific, Inc., Seaman Nuclear Corporation, or Soiltest, Incorporated devices which have been evaluated and approved for licensing purposes under a license issued by the U.S. Nuclear Regulatory Commission or any Agreement State.

CONDITIONS

10. A. Licensed material listed in Items 6.A., 6.B., 6.D., 6.E., and 6.F. may be stored at the licensee's facilities located at 30 East Railway Avenue, Paterson, New Jersey and used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- B. Licensed material listed in Item 6.C. may be used only at the licensee's facilities located at 30 East Railway Avenue, Paterson, New Jersey.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of individuals who been approved in writing by the Radiation Safety Officer and have been trained as specified in the application dated March 21, 1986, and in accordance with 10 CFR 34.31.
- B. Notwithstanding the provisions of Condition 11.A., licensed material listed in Items 6.E. and 6.F. shall only be used by, or under the supervision and in the physical presence of, Robert Plumstead or individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated in writing by the Radiation Safety Officer.
- C. The Radiation Safety Officer for this license is Robert F. Plumstead.
12. The licensee is authorized to receive, possess, and use sealed sources of iridium-192 or cobalt-60 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided:
 - A. such possession does not exceed the quantity per source specified in Item 8 by more than 20% for iridium-192 or 10% for cobalt-60; and
 - B. records of the licensee show that no more than the maximum amount of radioactivity per source specified in this license was ordered from the supplier or transferor of the byproduct material; and
 - C. the levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 10 CFR 34.21.

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13. A. Notwithstanding the periodic leak test required by 10 CFR 34.25(b), 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- B. Sealed sources authorized for a use other than radiography shall be tested for leakage in accordance with 10 CFR 34.25.
14. Notwithstanding the requirements of 10 CFR 34.20(a), and pursuant to 10 CFR 34.51, radiographic equipment authorized for use in radiographic operations under this license need not comply with the torque criteria of Section 8.9.2(c) of American National Standard N432-1980.
15. 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.
16. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
17. 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.
18. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.
19. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by persons specifically licensed by the Commission or an Agreement State to perform such services.
20. 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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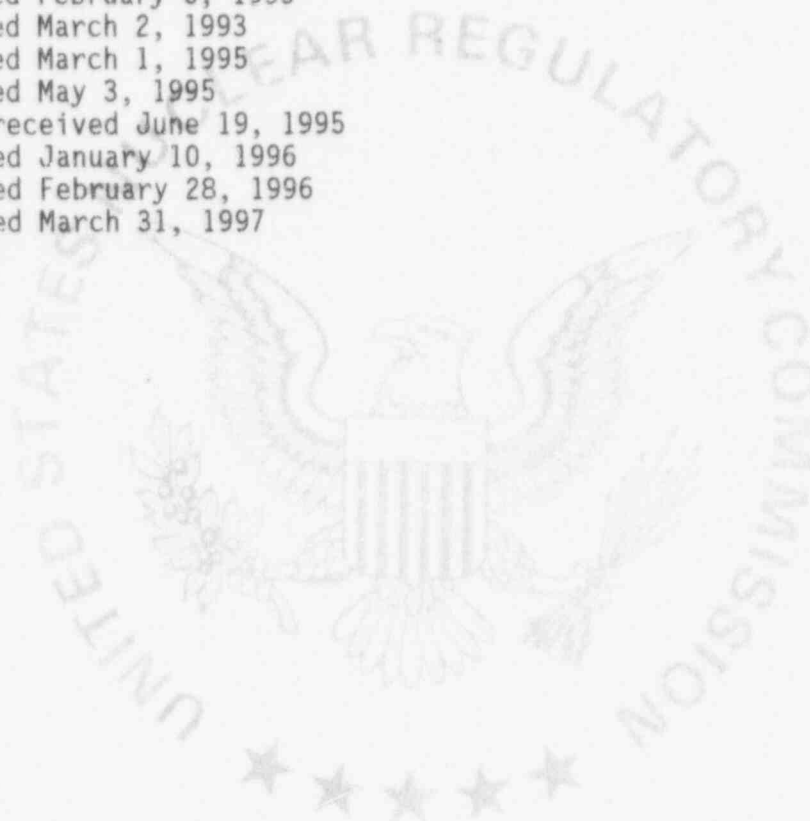
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21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear 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. Application dated March 21, 1986
- B. Letter dated May 5, 1986
- C. Application dated March 13, 1991
- D. Letter dated February 6, 1993
- E. Letter dated March 2, 1993
- F. Letter dated March 1, 1995
- G. Letter dated May 3, 1995
- H. Facsimile received June 19, 1995
- I. Letter dated January 10, 1996
- J. Letter dated February 28, 1996
- K. Letter dated March 31, 1997



Date _____

MAY - 2 1997

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By _____

Duncan White

Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406

MAY - 2 1997

Robert F. Plumstead
Radiation Safety Officer
Lucius Pitkin, Inc.
30 East Railway Avenue
Paterson, New Jersey 07503

Dear Mr. Plumstead:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

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:
Duncan White

Duncan White
Division of Nuclear Materials Safety

License No. 29-27816-01
Docket No. 030-29140
Control No. 124450

Enclosure:
Amendment No. 05

OFFICIAL RECORD COPY ML 10

DOCUMENT NAME: R:\WPS\MLTR\L2927816.01

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				
NAME	DWhite						
DATE	04/17/97	04/ /97	04/ /97	04/ /97	04/ /97		

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Lucius Pitkin
INCORPORATED



Metallurgical and Chemical Consultants

Testing Laboratories~Nondestructive Examination Services

RADIOGRAPHIC DIVISION

45 WILSON STREET, LITTLE FERRY, NJ 07643
201-329-9771

50 HUDSON STREET, NEW YORK, NY 10013 • 212-233-2737
FAX: 212-406-1417

March 31, 1997

Licensing Assistance Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1414

Re: License #29-27816-01
Docket #030-29140

Dear Sir:

In April 1996 we received our license amendment No. 04, which expires May 31, 1998. We are now forced to relocate to a new address. Our new address is 30 E. Railway Avenue, Paterson, NJ 07503.

The new location will be used to maintain records, store licensed materials not being used at field sites, and calibrating radiation detection equipment. No licensed material will be used at this location for any other purpose.

The new facility has entrance locks to prevent unauthorized entry. Storage of licensed radioactive materials will be in a locked storage area physically attached to the floor to prevent unauthorized removal. The storage and calibration location is shown on the enclosed diagram of the facility. This location will be posted in accordance with our "Operating and Emergency Procedures" manual. Storage and calibrations will be in accordance with our approved procedures and will assure that no unauthorized personnel or the general public will be permitted to receive 100 mRem in any one year.

Calibration of radiation detection equipment and licensed radioactive materials storage will be in compliance with all applicable U.S.N.R.C. regulations. Our "Operating and Emergency Procedures Manual" and our U.S.N.R.C. license. There are no other changes in our operations or personnel. If you require any additional information, please contact me.

We would appreciate your attention as soon as possible to this amendment, as we are a small company, and will be renting the old licenced location in addition to the new one, until we receive our new amendment. Thank you for your help in this matter.

Respectfully submitted,

Robert F. Plumstead
Radiation Safety Officer

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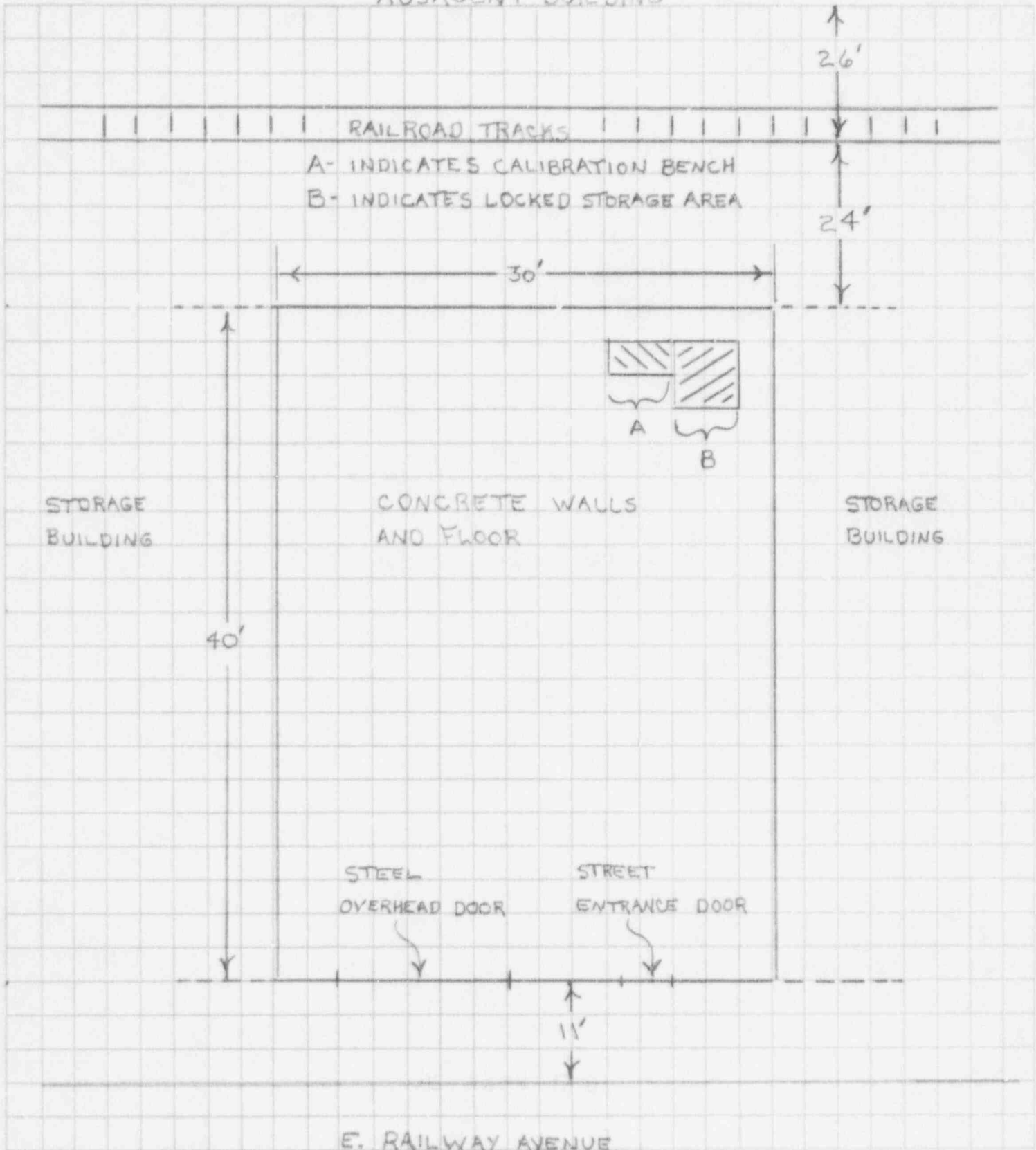
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APR - 4 1997

Subject PATERSON OFFICE
30 E. RAILWAY AVENUE

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ADJACENT BUILDING



BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03320
Status Code: 0
Fee Category: 30
Exp. Date: 20030531
Fee Comments: _____
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: LUCIUS PITKIN, INC.
Received Date: 970404
Docket No: 3029140
Control No.: 124450
License No.: 29-27816-01
Action Type: Amendment

2. FEE ATTACHED

Amount: \$ 720.00
Check No.: 015558

3. COMMENTS

Signed
Date

Rebecca J. Brown
4/10/97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ☒)

1. Fee Category and Amount: 30 720

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed
Date

I (97)

Log	April
Remitter	
Check No.	015558
Amount	720
Fee Category	30
Type of Fee	Amo
Date Check Rec'd	4/10/97
Date Completed	
By	BB

License request Expedite

07 for 4/16/97
Notified RE to proceed w/ review. BB

1997 APR 16 AM 7:24