

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

Licensee 1 DeLeuw, Cather & Company 2 290 Roberts Street East Hartford, Connecticut 06118	In accordance with the letter dated August 27, 1996, 3. License Number 06-28200-01 is amended in its entirety to read as follows: 4. Expiration Date August 31, 2003 5. Docket or Reference No. 030-30560	
6. Byproduct, Source, and/or Special Nuclear Material A. Cesium 137 B. Americium 241	7. Chemical and/or Physical Form A. Sealed sources B. Sealed neutron sources	8. Maximum Amount that Licensee May Possess at Any One Time Under This License A. 100 millicuries B. 500 millicuries

9. Authorized use

- A. and B. 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 Nuclear Regulatory Commission or an Agreement State. "For Storage Only."

CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at 290 Roberts Street, East Hartford, Connecticut and may be 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.
11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, Jasmine Potter 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.
- B. The Radiation Safety Officer for this license is Jasmine Potter.
12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.

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PDR ADDCK 03030560
C PDR

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

06-28200-01

Docket or Reference Number

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- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed three months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the Troxler Electronic Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

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14. 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.
15. 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.
16. 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.
17. 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 other persons specifically licensed by the Commission or an Agreement State to perform such services.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. 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 24, 1993
 - B. Letter dated July 26, 1993
 - C. Letter dated July 18, 1994
 - D. Letter dated August 27, 1996

For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:

By

JO ANN V. STAMDAUGH

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

SEP 29 1996

Date

SEP 29 1996

Ms. Jasmine Potter
Radiation Safety Officer
DeLeuw, Cather & Company
290 Roberts Street
East Hartford, CT 06118

Dear Ms. Potter:

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:
JO ANN V. STAMBAUGH

JoAnn V. Stambaugh
Division of Nuclear Materials Safety

License No. 06-28200-01
Docket No. 030-30560
Control No. 123659

Enclosure:
Amendment No. 05

DOCUMENT NAME: R:\WPS\MLTR\L0628200.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/enc "E" = Copy w/ attach/enc "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs	9/28/96					
DATE	09/28/96	9/28/96	09/ /96	09/ /96	09/ /96	09/ /96	

OFFICIAL RECORD COPY

ML 10

030-30560

August 27, 1996

United States Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Sir or Madam,

The purpose of this letter is to request a change in licence, from active use to "for storage only."

De Leuw, Cather & Company is a transportation engineering firm, and some of the work that is done through this office involves construction inspection on highway projects. As part of that work, we have acquired, and obtained licensure for, three nuclear density gauges. For more than a year now, they have been secured in storage in the basement of the office building that we are located in. As we do not anticipate using them in the foreseeable future, we would like to reduce our costs by changing our licence to a "storage only" licence. We understand that we would need to re-apply for a change in licence back to active use, should we require using or moving them in the future.

Our Licence/Approval/Registration/Certificate Number is 06-28200-01.

The Nuclear Gauges involved are:


- Campbell Pacific Model MC-3 Serial #M37117979.
- Campbell Pacific Model MC-3 Serial #M37128005.
- Troxler Model 3440, Serial # 16063.

Attached is a check in the amount of \$300.00, which will cover the fee associated with this change. I understand that this is a one time fee, and that no annual fees will be assessed, as long as the licence remains for storage only.

Mr. Anthony Gagliardi is no longer actively working for the company, and I am the new Radiation Safety Officer, and have undergone the Manufacturer's safety training.

Please contact me at (860) 282-4405 if you require any additional information.

Very truly yours,


Jasmine Potter

De Leuw, Cather & Company

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123659

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03121
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20030831
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: DE LEUW, CATHER & COMPANY
RECEIVED DATE: 960909
DUCKET NO: 3030560
CONTROL NO.: 123659
LICENSE NO.: 06-23200-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$300.00
CHECK NO.: 2521

3. COMMENTS

SIGNED
DATE

Ms. A. Perkins
9/10/96

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1 1)

1. FEE CATEGORY AND AMOUNT: 3P \$300

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED
DATE

Log	<u>Aug 21</u>
Remitter	
Check No.	<u>2521</u>
Amount	<u>\$300</u>
Fee Category	<u>3P</u>
Type of Fee	<u>AMD</u>
Date Check Rec'd	<u>9/15/96</u>
Date Completed	
By	<u>PR</u>

SEP 11 11:18