

LOCHNER

September 19, 2019

Licensing Assistant Section
Nuclear Materials Safety Branch
US Nuclear Regulatory Commission, Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406

H.W. Lochner, Inc.
225 West Washington Street
12th Floor
Chicago, IL 60606

T 312 372 7346
F 312 372 8208

www.hwlochner.com

Br. 2

03030661

REC RG 1 0923 19 AM 09:43

To Whom It May Concern:

RE: License # 12-28232-01

Please find attached NRC Form 314 for the certificate of disposition of nuclear gauges that were moved when H.W. Lochner closed New Haven, Ct location and moved to a new location in the state of Rhode as of 6/17/19. Please remove the 424 Chapel St., New Haven, CT location and the 64 Avenue of Industry, Waterbury, CT location from the above License. At this point we have no gauges assigned to the USNRC License # 12-28232-01 in Ct. We do not wish to terminate the NRC license as we anticipate the gauges will be returned to the Connecticut operation in 2023.

The License application presented to the Rhode Island Dept of Health is attached.

You may contact the individuals below responsible for the Connecticut and Rhode Island locations.

Christopher Hylas, PE, Deputy Radiation Protection Officer
H. W. Lochner, Inc.
64 Avenue of Industry, Waterbury, CT 860.992.4608
chylas@hwlochner.com

Contact in Rhode Island is James Croll, PE, Deputy Radiation Protection Officer
H.W. Lochner, Inc.
33 Acorn St. Providence, RI. (860) 919-3865
jcroll@hwlochner.com

Questions regarding Lochner's USNRC license should be addressed to me at the following location

John Cook
RSO
H.W. Lochner, Inc.
225 W. Washington, Suite 1200, Chicago, IL 60606.
312-994-9715
jcook@hwlochner.com

Sincerely,



John K. Cook
Director of Human Resources

616065

NMSS/RGN1 MATERIALS-002



CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollections.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

H.W. Lochner, Inc.
225 W Washington St, Ste 1200
Chicago, IL 60606

LICENSE NUMBER

12-28232-01

DOCKET NUMBER

030-30661

LICENSE EXPIRATION DATE

4/30/2024

A. LICENSE STATUS (Check the appropriate box)

- ☐ This license has expired. ☐ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
- ☐ a. Transfer of radioactive materials to the licensee listed below:
- H.W. Lochner, Inc. 33 Acorn St, Providence, RI
- ☐ b. Disposal of radioactive materials:
- ☒ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- ☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- ☐ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☐ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☐ 2. A copy of the radiation survey results:
- ☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date
- ☒ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☒ a. The results of the latest leak test are attached; and/or ☒ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
John K. Cook	Radiation Safety Officer	312-994-9715	jcook@hwlochner.com

Mail all future correspondence regarding this license to:

Above Address

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE	SIGNATURE	DATE
John K. Cook RSO		09/20/19

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFICATE OF DISPOSITION OF MATERIALS

PLEASE READ THESE INSTRUCTIONS BEFORE COMPLETING NRC FORM 314.

Subpart E of 10 CFR Part 20 establishes the radiological criteria for license terminations/decommissioning of facilities licensed under 10 CFR Parts 30, 40, 50, 60, 61, 70, and 72, as well as other facilities subject to the Commission's jurisdiction under the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974, as amended.

INSTRUCTIONS

Section B, Item 2.

Licensees should describe the specific radioactive material transfer actions. If radioactive wastes were generated in terminating this license, the licensee should describe the disposal actions taken, including the disposition of low-level radioactive waste, mixed waste, greater-than-Class-C waste, and sealed sources.

Section B, Item 2.a.

The information provided concerning the transfer of radioactive material to another licensee should specify the date of the transfer, the name of the licensee recipient, an individual contact name and telephone number for the licensee recipient, and the recipient's NRC or Agreement State license number.

Section B, Item 2.b.

For disposal of radioactive materials, licensees should describe the specific disposal method or procedure (e.g., decay-in-storage). For those cases when radioactive materials are disposed of by a licensed disposal site or by a waste contractor, the licensee should specify the name, address, and telephone number of the licensed disposal site operator or waste contractor.

Section B, Item 2.c.

"Residual radioactivity," as defined in 10 CFR 20.1003, means radioactivity in 'areas' (structures, materials, soils, etc.) remaining as a result of activities (licensed and unlicensed) under the licensee's control from sources used by the licensee, excluding background radiation. ALARA is defined in 10 CFR 20.1003.

FILE CERTIFICATES AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND CERTIFICATES TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND CERTIFICATES TO:

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND CERTIFICATES TO:

MATERIAL RADIATION PROTECTION SECTION
U. S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511



Troxler Electronic Laboratories, Inc.
3000 Cornwell Rd., P.O. Box 12087
Research Triangle Park, NC 27709
Tel: (617) 876-8537 Fax: (919) 891-2759
License: NC 032-0162-1

CHRISTOPHER HYLAS
HW LOCHNER, INC.
64 AVENUE of INDUSTRY
WATERBURY, CT 06705

Cost ID: 11713

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440

Serial No: 21761

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
75-3336	12/29/1992	Cs-137	0.296	8
47-17002	06/30/1992	Am-241/Be	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 03/25/2019

Sample analyzed on: 03/29/2019 7:29:27 AM Position: 3

Analyzed by: RM

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.24E+01	1.99E+01
Background measurement (cpm)	0	25
Sample measurement (cpm)	1	25
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	3.16E-01	1.30E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)

☐ Greater than 185 Bq (0.005 uCi)



Troxler Electronic Laboratories, Inc.
3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (866) 391-2759
License: NC 032-0182-1

CHRISTOPHER HYLAS
HW LOCHNER, INC.
64 AVENUE of INDUSTRY
WATERBURY, CT 06705

Cust ID: 11713

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 16132

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
50-5222	05/18/1988	Cs-137	0.296	8
47-11540	04/23/1988	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 03/25/2019

Sample analyzed on: 03/29/2019 7:28:15 AM Position: 2

Analyzed by: RM

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.24E+01	1.99E+01
Background measurement (cpm)	0	25
Sample measurement (cpm)	0	31
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	3.5E-01	1.3E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi) ☐ Greater than 185 Bq (0.005 uCi)

RHODE ISLAND RADIATION CONTROL AGENCY

APPLICATION FOR RADIOACTIVE MATERIALS LICENSE

INSTRUCTIONS: See the appropriate license application guide for detailed instructions for completing application. Send two copies of the entire completed application to: RI Department of Health, Radiation Control Program, 3 Capitol Hill - Room 305, Providence, RI 02908-5097. You should keep a copy of your completed application, and attachments, as they will be incorporated in your license by reference.

1. THIS IS AN APPLICATION FOR (*Check Appropriate Item*)



NEW LICENSE



AMENDMENT TO LICENSE # _____



RENEWAL OF LICENSE # _____

2. NAME AND MAILING ADDRESS OF APPLICANT

H.W. Lochner, Inc.
225 W. Washington St. Suite 1200
Chicago, IL 60606

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

33 Acorn St., Providence, RI

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

John K. Cook, RSO

BUSINESS TELEPHONE NUMBER

312-994-9715

BUSINESS E-MAIL ADDRESS

jcook@hwlochner.com

SUBMIT ITEMS 5 THROUGH 11 ON 8½" BY 11" PAPER.

THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

5. RADIOACTIVE MATERIAL

a. Element and mass number

b. Chemical and/or physical form; and

c. Maximum amount which will be possessed at any one time

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

see attached

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING/EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT

see attached

12. LICENSE FEES

FEE CATEGORY _____ AMOUNT ENCLOSED \$ _____

Refer to § 15.5.7 of 216-RICR-40-20 for the category description and § 2.14 of 216-RICR-10-05 for the applicable fee.

Checks should be payable to Treasurer - State of Rhode Island.

13. CERTIFICATION (*Must be completed by applicant*)

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT NAMED IN ITEM 2. CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH 216-RICR-40-20, *RADIATION*, AND THAT ALL INFORMATION CONTAINED HEREIN IS CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

John K Cook

(Signature)

9/20/19

(Date)

John K. Cook

(Type or Print Name of Certifying Official)

Radiation Safety Officer

(Title of Certifying Official)

FOR AGENCY USE ONLY

USNRC License Amendment – 12-28232-01

3. Locations :

Licensed material shall be held and stored only at the licensee's facilities located at:

33 Acorn St, Providence, RI

5: Radioactive Material:

A. Cesium – 137	Sealed Sources registered either with NRC under 10CFR32.210 or with an agreement state and incorporated in a compatible gauging device as specified in Item 9 of the license	No Single Source to exceed the maximum activity specified in the certificate of registration issued by the NRC or an agreement state. Total Activity not to exceed 117 millicuries.
B. Americium – 241	Sealed Sources registered either with NRC under 10CFR32.210 or with an agreement state and incorporated in a compatible gauging device as specified in Item 9 of the license	No Single Source to exceed the maximum activity specified in the certificate of registration issued by the NRC or an agreement state. Total Activity not to exceed 572 millicuries.

6. Purpose:

A and B: To be used in Troxler Electronics Labs Model 3400 series surface moisture/density gauges, portable gauging devices used for measuring physical properties of materials.

7. Responsible Individuals:

The Radiation Safety officer for this License is John K. Cook. The Deputy Radiation Safety Officer for the Rhode Island storage locations is James Croll, PE and those gauges will be stored at the following locations: 33 Acorn St, Providence, RI.

8. Training for Individuals:

All Gauge operators have received Troxler Nuclear Gauge Safety Training and Hazmat certification from the DOT . RSO's have completed Troxler's Radiation Safety Officer Training.

9. Facilities and Equipment – See Attached document for map of storage location in RI.

10. Safety Program:

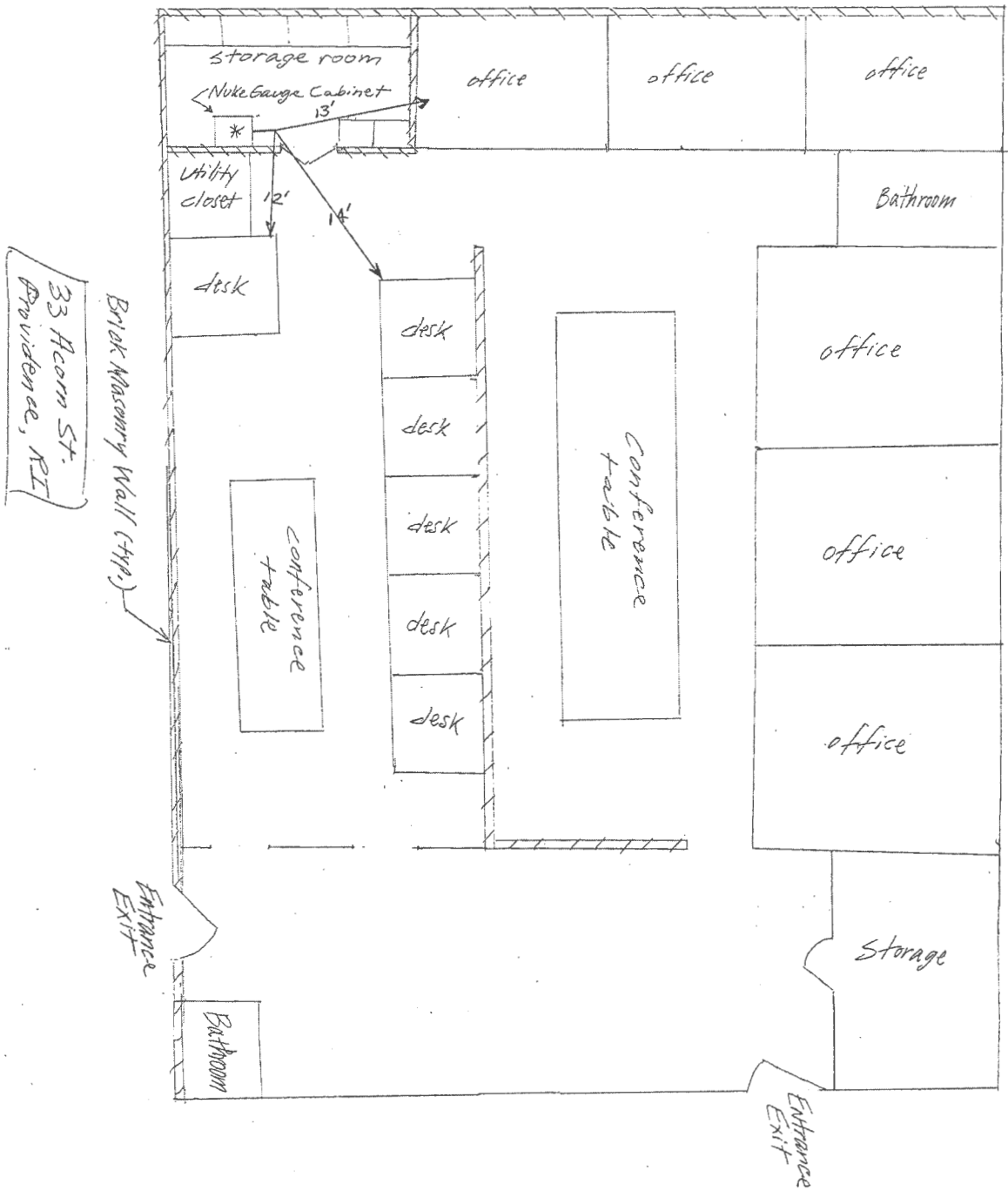
- A. Licensed Material will only be used by, or under the supervision and in the physical presence of individuals who have received the training described above.
- B. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10CFR 32.210 or by an agreement state.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an agreement state prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- E. The leak test shall be capable of detecting the presence of 0.005 micro curie of radioactive material on the test sample. If the test reveals the presence of 0.005 micro curie or more of removable contamination, a report shall be filed with the USNRC in accordance with 10 CFR 30.50(c) (2), and the source shall be removed immediately from service and decontaminated, repair, or disposed of in accordance with Commission regulations.
- F. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: Analysis of leak samples must be performed by persons specifically licensed by the Commission or an agreement state to perform such services.
- G. Records of leak test results shall be kept in units of micro curies and shall be maintained for 3 years.
- H. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
- I. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from the NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued by the Commission pursuant to 10 CFR 32.210 or by an agreement state.
- J. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the USNRC, to account for all sources and/or devices received and possessed under the license.
- K. 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. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee is required.

L. 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.

M. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representation, and procedures contained in the documents, including any enclosures listed below. The U. S. 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.

11. Waste Management: See 10 A – G above.





ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee

H.W. Lochner, Inc.
Attn: John K. Cook
225 West Washington Street
Suite 1200
Chicago, IL 60606

Date

10/08/2019

License Number(s)

12-28232-01

Mail Control Number(s)

616065

Licensing and/or Technical Reviewer or Branch

Commercial, Industrial, R&D, and Academic Branch

This is to acknowledge receipt of your: ☒ Letter and/or ☐ Application Dated: 09/19/2019

The initial processing, which included an administrative review, has been performed.

☒ Amendment ☐ Termination ☐ New License ☐ Renewal

☒ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, (610) 337-5513 or (610) 337-5239