

## MATERIALS LICENSE

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. Granger-Lynch Corporation  
18 McCracken Road  
2. P.O. Box 319  
Millbury, Massachusetts 01527

3. License Number 20-30349-01

4. Expiration Date February 28, 2002

5. Docket or  
Reference No. 030-342796. Byproduct, Source, and/or  
Special Nuclear Material7. Chemical and/or Physical  
Form8. Maximum Amount that Licensee  
May Possess at Any One Time  
Under This License

A. Cesium 137  
B. Americium 241

A. Sealed sources  
B. Sealed neutron sources

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 U.S. Nuclear Regulatory Commission or any Agreement State.

## CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at 18 McCracken Road, Millbury, Massachusetts 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. The licensee may not possess and use materials authorized in Items 6, 7, and 8, until: (1) the licensee has constructed the facilities and obtained the equipment described in the application and supporting documentation; and (2) the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406 has been notified in writing that activities authorized by the license will be initiated.

In accordance with the requirements set forth in 10 CFR 30.36(b), 40.42(b), and 70.38(b), the licensee shall promptly notify the Nuclear Regulatory Commission, in writing, of a decision not to complete the facility, acquire equipment, or possess and use authorized material.

12. Licensed material shall only be used by, or under the supervision and in the physical presence of, William A. Scothorn 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.

ML 10

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 20-30349-01

Docket or Reference Number 030-34279

13. The Radiation Safety Officer for this license is William A. Scothon.
14. 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.
- 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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 20-30349-01

Docket or Reference Number 030-34279

- G. The licensee is authorized to collect leak test samples for analysis by Troxler Electronic Laboratories. 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.
15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
  16. 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.
  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 other 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."
  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 received December 30, 1996
    - B. Letter dated January 27, 1997

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By Eric H. Reber

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

Date FEB - 6 1997

FEB - 6 1997

License No. 20-30349-01  
Docket No. 030-34279  
Control No. 123893

Arthur W. Beauregard  
Vice President  
Granger-Lynch Corporation  
18 McCracken Road  
P.O. Box 319  
Millbury, MA 01527

Dear Mr. Beauregard:

Please review the enclosed document carefully and be sure that you understand all conditions. 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.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Until your license is terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
  - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
  - b. you have notified the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Aliendale Road, King of Prussia, Pennsylvania 19406 in writing, that activities authorized by the license will be initiated.



3. Notify NRC, in writing, within 30 days:
  - a. when an authorized user or Radiation Safety Officer, permanently discontinues performance of duties under the license or has a name change; or
  - b. when the mailing address on the license changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
  - a. when you decide to terminate all activities involving materials authorized under the license; or
  - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.
5. Request and obtain a license amendment before you:
  - a. permit anyone to work as an authorized user under the license;
  - b. change Radiation Safety Officer;
  - c. order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - d. add or change the areas of use, or address or addresses of use identified in the license application or on the license; or
  - e. change ownership of your organization.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or a certifying official of the licensee rather than the Radiation Safety Officer or a consultant.

A.W. Beauregard  
Granger-Lynch Corporation

-3-

You will be periodically inspected by the NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions," (Enforcement Policy), NUREG 1600.

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Thank you for your cooperation.

Sincerely,

Original Signed By:

Eric H. Reber  
Division of Nuclear Materials Safety

License No. 20-30349-01  
Docket No. 030-34279  
Control No. 123893

Enclosures:

1. License No. 20-30349-01
2. 10 CFR Parts 2, 19, 20, 30, and 170
3. NRC Form 3 and 313

DOCUMENT NAME: R:\WPS\MLTR\L2030349.01

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OFFICE	DNMS/R	N	DNMS/RI				
NAME	Reber/ehr						
DATE	02/05/97	02/ /97	02/ /97	02/ /97			

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Granger-Lynch  
18 McCracken Road  
P.O. Box 319  
Millbury, MA 01527  
508-756-6244

Fax Numbers:  
508-755-8913 Sales  
508-755-0593 Admin

January 27, 1997

MS16  
L-3

United States Nuclear Regulatory Commission  
Region 1  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1415

Attn: Eric H. Reber  
Division of Nuclear Materials Safety

Dear Sir,

**Locations**

J.H. Lynch  
Cumberland, RI  
401-333-4300

Peace Dale, RI  
401-789-7100

Wescor  
Pawcatuck, CT  
860-599-2500

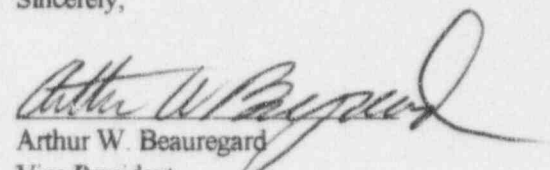
Peace Dale, RI  
401-783-4650

Enclosed please find a copy of your letter dated January 6, 1997, in reference to Docket #030-34279, which was received by Granger-Lynch Construction Corp. on January 9, 1997. The following will address all deficiencies mentioned in Docket #030-34279.

**ISSUE #1:**

In response to #1, Docket #030-34279, management has reviewed the application and concurs with the statements and representations contained therein.

Sincerely,

  
Arthur W. Beauregard  
Vice President  
Granger-Lynch Corp.

**ISSUE #2:**

In response to #2, Docket #030-34279, Granger-Lynch Corp. will not make any measurements at depths of greater than three (3) feet.

**ISSUE #3:**

In response to #3, Docket #030-34279, management commits that the RSO has independent authority to stop any unsafe operations and will be given sufficient time to fulfill his or her radiation safety duties and responsibilities.

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JAN 29 1997



#### ISSUE #4:

In response to #4, Docket #030-34279, Granger-Lynch Corp. will commit to providing manufacturers training for each gauge user for each individual trained as specified in item #8 of the application. We will maintain records demonstrating that the individual has successfully completed the specified course and that the course meets the criteria in Part I of Appendix D of Draft Regulatory Guide DG-0008, and that the instructors qualifications meet the criteria in Part II of Appendix D. Each individual will receive copies and training in the gauge operating and emergency procedures and have written designation from the RSO as an authorized gauge user.

#### ISSUE #5:

In response to #5, Docket #030-34279, refresher training will be provided by the RSO or an instructor whose qualifications are those described in Part II of Appendix D of Draft Regulatory Guide DG-0008, to all gauge users at intervals not to exceed one (1) year.

#### ISSUE #6:

In response to #6, Docket #030-34279, Radiation Detection Instruments:

1. At each jobsite there will be one TroxAlert survey instrument capable of measuring between 0-100 mrem/hr (0-1000 uSv/hr). (The meter or consultant are required in MRC states and select Agreement states.) The survey meter is not required as long as a plan to access one is established.

2. Calibration Frequency: Annually by manufacturer.

3. Calibration: Troxler Electronic Labs.  
PO Box 12057  
Research Triangle Park, NC 27709

NRC License #32-05998-03

NC Dept. of Environment, Health, and Natural Resources, Inc. #32-0182-1

- |    |                           |                           |                          |                         |
|----|---------------------------|---------------------------|--------------------------|-------------------------|
| 4. | <u>Type of Instrument</u> | <u>Radiation Detected</u> | <u>Sensitivity Range</u> | <u>Window Thickness</u> |
|    | GM Survey                 | alpha, beta, gamma        | 0-100 mlt/hr             | 1.4 mg                  |
|    | Instrument                | and X-Ray                 |                          | cm <sup>2</sup>         |

5. Prior to operation of the gauge the response of the survey meter will be checked using the gauge sources.

6. During the absence of the survey meter for calibration a replacement meter will be used or the gauge will remain in storage until the return of the survey meter from calibration.





**ISSUE #7:**

In response to #7, Docket #030-342790, Item 10.4 Inventories:

An Inventory of all sealed sources and devices possessed under this license will be conducted at intervals not to exceed six (6) months, and the record of inventory maintained for three (3) years from date of inventory.

**ISSUE #8:**

In response to #8, Docket #030-34279: Extensive maintenance which source rod removal will be performed by the gauge manufacturer.

Should you have any questions or require any additional information, please contact me at (508) 756-6244.

Sincerely,

A handwritten signature in cursive script, reading "Arthur W. Beauregard".

Arthur W. Beauregard  
Vice President  
Granger-Lynch Corp.

JAN - 6 1997

Docket No. 030-34279  
Control No. 123893

William A. Scothon  
Radiation Safety Officer  
Granger-Lynch Corporation  
18 McCracken Road  
P.O. Box 319  
Millbury, MA 01527

Dear Mr. Scothon:

This is in reference to your application received December 30, 1996 requesting a Nuclear Regulatory Commission License. In order to continue our review, we need the following additional information:

1. Your application should have been signed by a management representative rather than William A. Scothon. Please submit a letter signed by a management representative indicating that management has reviewed the application and concurs in the statements and representations contained therein. Note also that a management representative should sign all future correspondence that requests a change in your license.
2. If you plan to make measurements at depths exceeding 3 feet, you will need appropriate provisions in your operating and emergency procedures to reduce the probability of the source becoming lodged in the hole and to recover a "stuck" source, respectively. Please confirm that you will not make measurements at depths of greater than three feet or submit operating and emergency procedures that have appropriate provisions for reducing the probability of the source becoming lodged in the hole and to recover a "stuck" source, respectively.
3. Please provide management's commitment that the RSO has independent authority to stop unsafe operations and will be given sufficient time to fulfill his or her radiation safety duties and responsibilities.
4. In Item 8 of your application, you committed to maintaining records documenting the training of each employee. You have not committed to providing manufacturer's training for each gauge user. Therefore, for each individual trained as specified in Item 8 of your application, please confirm that you will maintain records demonstrating that the individual successfully completed the specified course; that the course meets the criteria in Part I of

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W. Scothorn  
Granger-Lynch Corp.

-2-

Appendix D of Draft Regulatory Guide DG-0008; that the course instructor's qualifications meet the criteria in Part II of Appendix D; that the individual received copies of and was trained in the applicant's operating and emergency procedures; and that the individual was designated as an authorized user by the RSO.

5. Please provide a commitment that refresher training will be provided, by the RSO or an instructor whose qualifications are those described in Part II of Appendix D of Draft Regulatory Guide DG-0008, to all gauge users at intervals not to exceed one year.
6. Please address Item 10.2, "Radiation Detection Instruments", in Draft Regulatory Guide DG-0008.
7. Please confirm that inventories will be performed every six months, and that records of these inventories will be maintained.
8. Please confirm that extensive maintenance that requires removal of the source from its shielded position or removal of the source rod from the device will be performed by the gauge manufacturer.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 123893. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5276.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

**Original Signed By:**  
**Eric H. Reber**

Eric H. Reber  
Division of Nuclear Materials Safety

Docket No. 030-34279  
Control No. 123893

Enclosures:

1. 10 CFR Part 20
2. Draft Regulatory Guide DG-0008

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W. Scothorn  
Granger-Lynch Corp.

-3-

DOCUMENT NAME: R:\WPS\DLTR\D3034279

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OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Reber/ehr <i>EP</i>						
DATE	01/06/97		01/ /97		01/ /97		01/ /97

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# APPENDIX A

MS-16  
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<p>NRC FORM 313 10-84 12 OF 10 32 33 34 35 33 36 and 40</p>	<p>U. S. NUCLEAR REGULATORY COMMISSION</p>	<p>APPROVED BY OMB NO 3180-0120 EXPIRES 6-30-86</p> <p>ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 8 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-4 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3180-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.</p>				
<h2>APPLICATION FOR MATERIAL LICENSE</h2>						
<p>INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW. <b>030-34279</b></p>						
<p>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</p> <p>DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U. S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20545-0001</p> <p>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</p> <p>IF YOU ARE LOCATED IN:</p> <p>CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:</p> <p>LICENSING ASSISTANT SECTION NUCLEAR MATERIALS SAFETY BRANCH U. S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD BETH OF PRUSSIA, PA 19005-1415</p> <p>ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:</p> <p>NUCLEAR MATERIALS LICENSING SECTION U. S. NUCLEAR REGULATORY COMMISSION, REGION II 101 MARETTA STREET, NW, SUITE 2800 ATLANTA, GA 30333-0180</p> <p>IF YOU ARE LOCATED IN:</p> <p>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</p> <p>MATERIALS LICENSING SECTION U. S. NUCLEAR REGULATORY COMMISSION, REGION III 801 WARRENVILLE RD Lisle, IL 60533-4301</p> <p>ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:</p> <p>NUCLEAR MATERIALS LICENSING SECTION U. S. NUCLEAR REGULATORY COMMISSION, REGION IV 811 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TX 76011-4304</p>						
<p>PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U. S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.</p>						
<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input checked="" type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>		<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)</p> <p>Granger-Lynch Corp. 18 McCracken Road, P.O. Box 319 Millbury, MA 01527</p>				
<p>3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>Granger-Lynch Corp. 18 McCracken Road, P.O. Box 319 Millbury, MA 01527</p> <p>Licensed material will be used on temporary job sites throughout the United States.</p>		<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>William A. Scothorn</p> <p>TELEPHONE NUMBER</p> <p>(401)333-4300</p>				
<p>SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.</p>						
<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time</p>		<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED</p>				
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAMS AND THEIR TRAINING EXPERIENCE</p>		<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>				
<p>9. FACILITIES AND EQUIPMENT</p>		<p>10. RADIATION SAFETY PROGRAM</p>				
<p>11. WASTE MANAGEMENT</p>		<p>12. LICENSE FEES (See 10 CFR 170 and Section 170.20)</p> <table border="1" style="width:100%;"> <tr> <th>FEE CATEGORY</th> <th>AMOUNT ENCLOSED \$</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	FEE CATEGORY	AMOUNT ENCLOSED \$		
FEE CATEGORY	AMOUNT ENCLOSED \$					
<p>13. CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.</p> <p>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 TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 38 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.</p> <p>WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 (18 STAT 768) 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.</p>						
<p>CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE</p> <p>William A. Scothorn, R.S.O.</p>		<p>SIGNATURE</p> <p><i>William A. Scothorn</i></p> <p>DATE</p>				
<p>FOR NRC USE ONLY</p>						
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS	
			\$			
APPROVED BY				DATE		

NRC FORM 313 (10-84)

PRINTED ON RECYCLED PAPER

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123893  
DEC 30 1986

Item #5

Radioactive Material

<u>Radioisotope Form</u>	<u>Sealed Source</u>	<u>Max. Activity/Source</u>
a. Cs-137	Troxler A-102112	9 mCi
b. Am-241:Be	Troxler A-102451	44 mCi

Data on Registration Certificates

<u>Manufac./Distributor</u>	<u>Registry No.</u>	<u>Model No.</u>
Troxler Electronic Labs.	*NC- 646-D-130-S	3400 Series

Item #6

Purpose(s) For Which Licensed Material Will Be Used

Troxler Model 3400 Series Gauge shall be used to measure density of soils, aggregates and bituminous concrete.

Possession Limit Commitment

We will confine our possession of licensed material to quantities such that will not exceed the applicable limits in 10 CFR 30.35.

Item #7

Individual(s) Responsible For The Radiation Safety Program  
And Their Training Experience

Radiation Safety Officer: William A. Soothon  
High School Diploma: Cumberland High School, Cumberland, R.I.  
College Degree: W.P.I., Worcester, Massachusetts  
Certifications: Troxler Radiation Safety Officer Course (April 10, 1992)

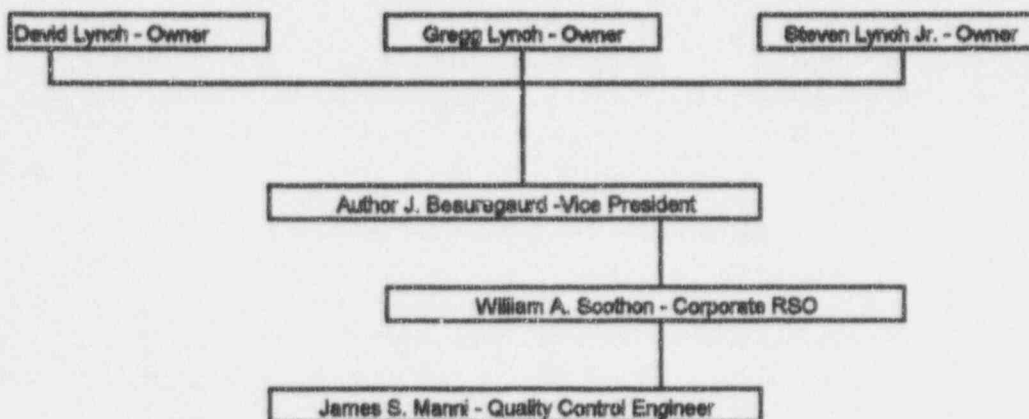
Duties and Responsibilities of the Radiation Officer

William A. Soothon has been designated as the company Radiation Safety Officer and will assume the duties and responsibilities that include the following:

- 1) Ensure that licensed material possessed by the licensee is limited to the kinds (e.g., cesium-137 as a sealed source) and quantities of byproduct material listing on the license.
- 2) Ensure that individuals using gauges are properly trained; are designated by the RSO; receive refresher training at least annually, including participation in a "dry run" of emergency procedures and review of operating and emergency procedures and Department of Transportation (DOT) requirements; and are informed of all changes in regulatory requirements and deficiencies identified during annual audits.
- 3) Ensure that personnel monitoring devices are used as required and reports of personnel exposure are reviewed in a timely manner.
- 4) Ensure that gauges are properly secured against unauthorized removal at all times when gauges are not in use.
- 5) Ensure that proper authorities are notified in case of accident, damage to gauges, fire, or theft.
- 6) Ensure that audits are performed at least annually to ensure that the licensee is abiding by NRC's and DOT regulations and the terms and conditions of the license (e.g. periodic leak test, inventories, use limited to trained, approved users), the licensee's radiation protection program content and implementation achieve occupational doses and doses to members of the public that are ALARA (see 10 CFR 20.1101) and the licensee maintains required records with all required information (e.g., records of personnel exposure; receipt, transfer, and disposal of licensed material; gauge user training ) sufficient to comply with NRC requirements.
- 7) Ensure that audit results and corrective actions are communicated to all personnel who use the licensed material (regardless of their location or the license under which they normally work).

- 8) Ensure that results of audits, identification of deficiencies and recommendation for change are documented (and maintained for at least three years) and provided to management for review; ensure that prompt action is taken to correct deficiencies.
- 9) Ensure that all incidents, accidents and personnel exposures to radiation in excess of ALARA or Part 20 limits are investigated and reported to NRC and other authorities, as appropriate, within the required time limits.
- 10) Ensure that licensed material is transported in accordance with all applicable DOT requirements.
- 11) Ensure that licensed material is disposed of properly.
- 12) Ensure that he or she has up-to-date copies of NRC's regulations, reviews new or amended NRC regulations, and revises licensee procedures, as needed, to comply with NRC regulations.
- 13) Ensure that license is amended whenever there are changes in licensed activities, responsible individuals, or information or commitments provided to NRC during the licensing process.

#### Organizational Chart





# Certificate of Completion

This Certifies that

WILLIAM SCOTCHEN

has successfully completed the

*Troxler Radiation Safety Officer Course*

conducted by the training program of

*Troxler Electronic Laboratories, Inc.*

*Frank D. Jones*  
FRANK D. JONES

Instructor

4-10-92

Date

WILLIAM F. TROXLER

President

Item #8

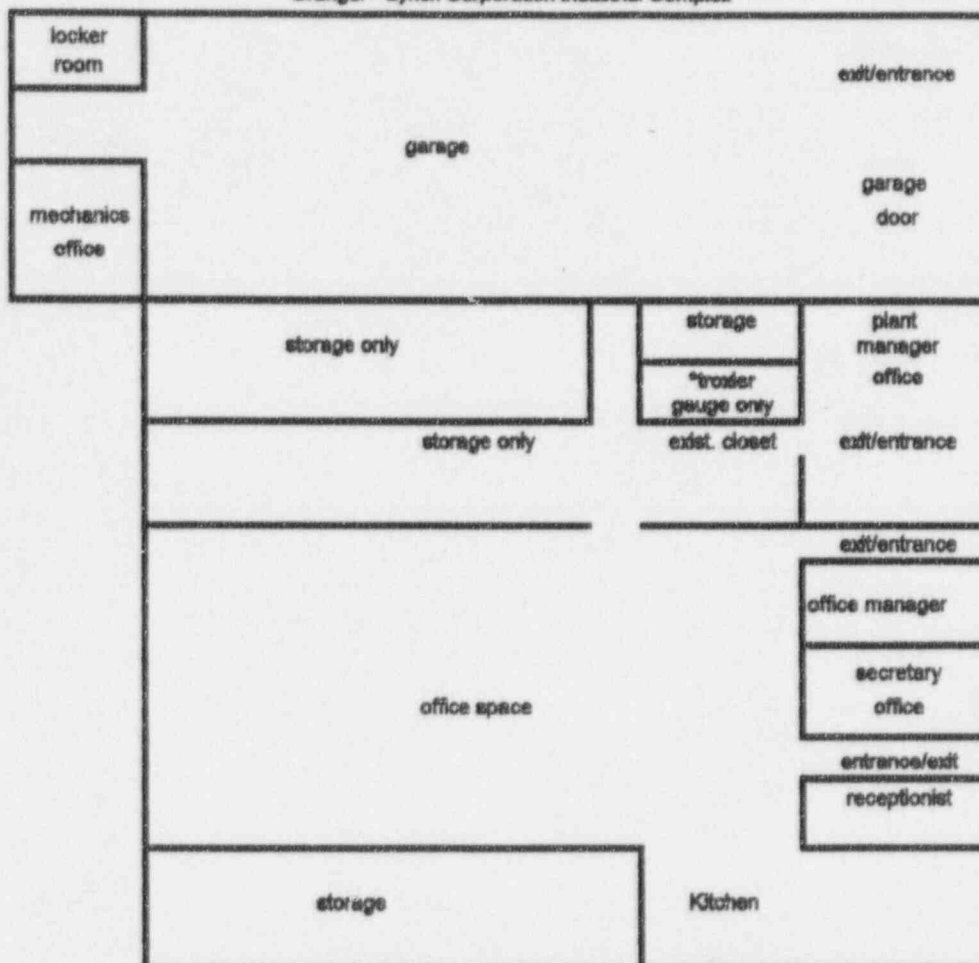
### Training Provided to Other Users

Individuals permitted to use a gauge will have successfully completed a moisture/density gauge course that meets the criteria in Part I Appendix D of Draft Regulatory Guide DG-0886 and the course instructor's qualifications meet the criteria in Part II of Appendix D of the Draft Regulatory Guide DG-0886, will have received copies of, and been trained in, the applicants operating and emergency procedures and will have been designated by the RSO as an authorized user. Records documenting the training of each employee trained will be maintained for 3 years after the employee terminates employment.

Item #9

**Existing Facilities and Equipment**

Granger - Lynch Corporation Industrial Complex



**Security Measures to be Taken:**

Outside doors to facility will remain locked after working hours and the gauge storage closet will remain locked at all times when equipment is inside. Keys to the storage closet will be controlled by the RSO and authorized users. During transport the gauge and case will be locked then locked and chained in an open bed truck.

During breaks, lunch or periods of non-use the gauge will be locked and secured in the transport vehicle as it was during transport. Constant surveillance will be maintained when the gauge is removed from the transport vehicle or temporary storage facility.

Item #10

Radiation Monitoring Program

Personnel Monitoring Equipment

All gauge users will be monitored with film badges when operating gauges. The film badges will be exchanged at intervals not to exceed one month.

Leak Testing

Leak testing shall be performed at intervals not to exceed 6 months. A Troxler Leak Test 3880 will be used and the supplier instructions will be followed when collecting the sample. Samples will be taken by individuals (specified in Item #7) who are responsible for our Radiation Safety Program.

Supplier: Troxler Electronic Laboratories  
P.O. Box 12057  
Research Triangle Park, NC 27709

NRC License #32-05998-03  
NC Dept. of Environment, Health, and Natural Resources Lic.#32-0182-1

Troxler Electronic Laboratories, Inc. Leak Test Service is licensed according to NC Radioactive Materials License number 032-0182-1. Leak test analysis is performed on samples from the Troxler Model 3880 leak test kit. Samples are analyzed with a Baird Pctyspec Research Nuclear Spectrometer Model #062422 that is calibrated with NIST traceable sources of Cs-137, Co-136 and Am-241. Analysis and the return of results are typically performed on the day of receipt of the leak test wipe. Troxler will request a re-test for activity detected between 0.00005 and 0.005 microcurie. Troxler will immediately notify the customer for activity detected that is greater than 0.005 microcuries, and advise that the sealed source(s) should be removed from service. A written report to the customer will follow. A perpetual record of all leak test is maintained by Troxler and duplicates are available upon request for a nominal fee.

Maintenance

Any maintenance performed (such as cleaning) will always be done with the radioactive source in the safe shielded position.

Transportation of Device to Field Locations

We will maintain current copies of applicable DOT regulations and will develop and implement procedures for complying with applicable DOT regulations.

Operating Procedures

- 1) We will implement the following Operating and Emergency Procedures as stated in this correspondence. A copy of these procedures will be distributed to gauge users prior to initial use of equipment. A copy of these procedures will also be filed at each jobsite stored separate from the gauge.



- 2) Before moving the gauge from its place of storage, check to make sure the source rod is in the shielded, locked position and lock the transport case.
- 3) Sign the gauge out in a log book, stating the dates of use, names of the authorized users who will be responsible for the gauge, and the temporary job sites where the gauge will be used.
- 4) Equipment outside the transport vehicle or storage site should never be left unattended.
- 5) Follow all applicable DOT requirements when transporting the gauge.
- 6) Do not touch the end of the source rod below the base of the gauge with your fingers, hands or any part of your body, and always sure that the source rod is in the shielded position after each measurement is made.
- 7) Always wear your assigned film badge when using the gauge.
- 8) Never wear another persons film badge.
- 9) Never store your film badge near the gauge near the gauge.
- 10) Always keep unauthorized persons away from the area where the gauge is to be used.
- 11) Always maintain constant surveillance and immediate control of the gauge when it is not in storage or secured in the transport vehicle.
- 12) Ensure gauge and operator are visible to heavy equipment.
- 13) Never look under the gauge when the source rod is be lowered into the ground.
- 14) When the gauge is not in use at a temporary jobsite, lock it up as it was during transport.
- 15) Return gauge to proper storage facility at the end of work shift.
- 16) When using the gage at a temporary jobsite with no storage facility, and the operator is living in temporary lodging, the gauge should be stored inside the transport vehicle in a unconsipuous manner that would defer theft and limit the exposure to the general public.(use formula in Appendix D0).
- 17) Pregnant women may declare their pregnancy to the RSO in writing.

#### Emergency Procedures

If the source fails to return to the shielded position (e.g., as a result of being damaged) or if any other emergency or unusual situation arises(e.g.,the gauge is struck by a moving vehicle, or is in a vehicle involved in a accident):

- 1) Immediately secure the area around the gauge (An area 15 feet in diameter should limit exposure to the general public.) If the source has been separated from the unit secure the area around the source as above.

- 2) Prevent unauthorized personnel from entering the secured area.
- 3) If a vehicle or heavy equipment is involved, detain the equipment until it is determined there is no contamination present.
- 4) Notify licensee management of the situation, calling company personnel listed below.

<u>name</u>	<u>work phone number</u>	<u>home phone numbers</u>
William Soothon	(401) 333-4300	(401) 333-4675
Cliff Bennet	(401) 333-4300	(508) 746-4112
Armand Borges	(401) 333-4300	(401) 333-3146

- 5) Follow the instructions provided by the person contacted in step 4.
- 6) Licensee management must:
  - a) Arrange for a survey to be conducted as soon as possible by a knowledgeable person using appropriate radiation detection instrumentation.
  - b) Make necessary notifications to local authorities; notify the NRC or Agreement as appropriate.
  - c) Consider the timeliness of reports to the NRC.
  - d) Review the reporting requirements, which are found in 10 CFR 20.2201-2203 and 10 CFR 30.50.

### **Annual Audit**

William A. Soothon (Corporate RSO) will conduct the audit. This audit will meet the minimum criteria detailed in Appendix I of the NRC Draft Regulatory Guide DG-0008. This audit will be conducted in intervals not to exceed 12 months. Records of these audits will be maintained for 3 years.

### **Financial Assurance Requirement**

We will confine our possession of licensed material to quantities such that we will not exceed the applicable limits in 10 CFR 30.35(d).

### **Record Keeping**

Records will be maintained detailing any instance relating to leaking sources, spills or contamination important to decommissioning. These records will be kept at the following address:

Lynch Corporation  
 50 Lynch Place  
 Cumberland, R.I. 02864  
 Attention: William A. Soothon (Corporate RSO)

Item #11

Waste Management

The disposal will be by transfer of the radioactive material to a licensee specifically authorized to possess it.

DEC - 4 1996

Docket No. 030-34279  
Control No. 123893

William A. Scothon  
Granger-Lynch Corporation  
18 McCracken Road  
Millbury, MA 01527

Dear Mr. Scothon:

This is in reference to your application received November 13, 1996 requesting a Nuclear Regulatory Commission License. In order to continue our review, we need the following additional information:

Your application is incomplete. Please resubmit your application. Your resubmittal should address all items in Draft Regulatory Guide DG-0008, "Applications for the use of Sealed Sources in Portable Gauging Devices" (copy enclosed).

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I Office and refer to Mail Control No. 123893. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5276.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we shall assume that you do not wish to pursue your application.

Sincerely,

Original Signed By:  
Eric H. Reber

Eric H. Reber  
Division of Nuclear Materials Safety

Docket No. 030-34279  
Control No. 123893

Enclosures:

1. 10 CFR Parts 19, 20, and 30
2. Draft Regulatory Guide DG-0008

OFFICIAL RECORD COPY

**ML 10**



W.A. Scothorn  
Granger-Lynch Corporation

-2-

DOCUMENT NAME: R:\WPS\DLTR\DO303427

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	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	Reber, [signature]						
DATE	12/04/96	12/ /96	12/ /96	12/ /96	12/ /96	12/ /96	

OFFICIAL RECORD COPY

NRC FORM 313

(7-80)

10 CFR 30.32, 33

34, 35, 36, 39 and 40

U. S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 7/31/85

## APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this information collection request: 7 hours. Submission of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F32), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0120), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,  
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,  
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO  
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET, NW, SUITE 2000  
ATLANTA, GA 30329-6188

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
801 WARDENVILLE RD.  
LISLE, IL 60532-4351

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

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
811 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-6084

LL 30349

030-34279

03121

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

1. THIS IS AN APPLICATION FOR (Check appropriate box)



A. NEW LICENSE



B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_



C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

Granger-Lynch Corporation  
18 McCracken Road  
Millbury, MA 01527

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

SAME

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

William A. Scothorn

TELEPHONE NUMBER

401-333-4300

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 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.

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

8. TRAINING FOR INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEE (See 10 CFR 170 and Section 170.51)

FEE CATEGORY

AMOUNT  
ENCLOSED \$

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE 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 TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 38 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 (62 STAT. 749) 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.

CERTIFYING OFFICER - TYPE/PRINTED NAME AND TITLE

SIGNATURE

William A. Scothorn

DATE

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY			\$		
				DATE	

NRC FORM 313 (7-80)

PRINTED ON RECYCLED PAPER

<u>5. Radioactive Material</u>	<u>Chemical or Physical Form</u>	<u>Maximum amount that licensee may possess at any one time under this license:</u>
a. Americium 241/Beryllium	a. Sealed source (Troxler drawing #A-102451)	a. no single source to exceed 44 millicuries
b. Cesium 137	b. Sealed source (Troxler drawing #A-102112)	b. no single source to exceed 9 millicuries
6. A. For use in Troxler Electronics Laboratories Series 3400 moisture/density gauge for measurement of surface density in construction materials.		
B. For use in Troxler Electronics Laboratories Series 3400 moisture/density gauge for measurement of surface density of construction materials, and in Troxler Electronics Laboratories Model 4640 thin layer asphalt density gauge for measurement of density of compacted asphalt concrete.		
7. William A. Scothorn, Radiation Safety Officer		
8. All individuals using and or operating this gauge have Troxler Electronic Laboratories Training.		
9. A. <u>Facility</u> - Granger-Lynch Corp.		
B. <u>Equipment</u> - Troxler Electronics Laboratories Series 3400 Surface Moisture/Density Gauge.		

## **10. Radiation Safety Program**

The regulations concerning the safe use of radioactive material dictate that a sealed source be tested to ensure that the source material remains sealed so that the equipment and areas around the source are not contaminated.

- A. **Period Between Tests** The requirements of the United States Nuclear Regulatory Commission specify that leak tests must be made at intervals no to exceed six (6) months. This frequency of test may differ in some agreement states or other countries, but in all cases the licensing document dictates the frequency.
- B. **Transfer to Other Licensees** All sealed sources must have a current and valid leak test record before transfer to another licensee. This record should be included with other transfer documents.
- C. **Retention of Record** Records of leak test analysis must be maintained until reviewed by the licensing agency during an inspection. The analysis form will indicate the removable activity in units of microcuries (uCi).
- D. **Limits of Contamination and Disposition** Any sealed source which has a removable activity of 0.005 uCi or greater is considered to be leaking. The user shall immediately withdraw the device from service and cause it to be decontaminated and repaired or to be disposed of in accordance with the regulations.

Upon determination that a device exceeds the removable activity limits, a report must be made to the appropriate licensing agency.

- E. **Safety Regulations** require that individuals must maintain their occupational exposure to radiation As Low As Reasonably Achievable. This would dictate that the leak test should be performed in as short a period of time as possible. This would limit the exposure rate to the person performing the test. While performing the test, the individual must wear the appropriate radiation monitoring dosimeter.

- 11. **Waste Management** - When and if needed, per Troxler Laboratories recommended practices.

123893

# Certificate of Completion

This Certifies that

WILLIAM SCOTHON

has successfully completed the

*Troxler Radiation Safety Officer Course*

conducted by the training program of

*Troxler Electronic Laboratories, Inc.*

*Frank D. Jones*  
FRANK D. JONES

Instructor

4-10-92

Date

WILLIAM F. TROXLER

President



(FOR LFMS USE)  
INFORMATION FROM LTS

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

```

: Program Code: 03121
: Status Code: 3
: Fee Category: _____
: Exp. Date: 0 _____
: Fee Comments: _____
: Decom Fin Assur Req'd: _
: .....

```

LICENSE FEE TRANSMITTAL

## A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: GRANGER-LYNCH CORPORATION  
Received Date: 961113  
Docket No: 3034279  
Control No.: 123893  
License No.:  
Action Type: New Licensee

2. FEE ATTACHED

Amount: \$ 550.00  
Check No.: 409

### 3. COMMENTS

Signed Rebecca J. Brown  
Date 11-27-96

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

1. Fee Category and Amount: 3P 8 JV

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

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

## 3. OTHER

Signed  
Date

Log Dec 3  
Remitter \_\_\_\_\_  
Check No. 405  
Amount 8550  
Fee Category 3P  
Type of Fee APP  
Check Feed 12/4/96  
Completed BB

1996 DEC -3 AM 7:56