



Testing Engineers & Consultants, Inc.

P.O. Box 249 • 1333 Rochester Road • Troy, Michigan 48099
313-588-6200 or Dial T-E-S-T-I-N-G

John Banicki, P.E.
Kenneth Cummins, L.S., P.E.
Gerald M. Belian, P.E.
Elihu Geer, PhD, P.E.
Michael Davinich, P.E.

Date: 31 July 1984

Region III, U.S.N.R.C.
Radioisotopes Licensing Sections
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: Mr. Mike McCann

Re: License Renewal

Dear Sir:

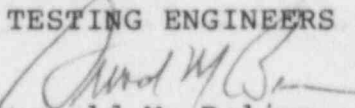
We at Testing Engineers & Consultants, Inc. are requesting renewal of our materials license.

We wish to continue to operate under the current license. Enclosed please find documents previously submitted, which we intend to continue to operate in accordance with.

If there are any questions that require answers regarding this request, please contact us.

Respectfully submitted,

TESTING ENGINEERS & CONSULTANTS, INC.


Gerald M. Belian, P.E.
Vice President

GMB/kr
Enclosures and \$60.00 Fee

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REQ3 LIC30
21-18668-01 PDR

Control No. 772 42

RECEIVED
AUG 06 1984
REGION III



All services undertaken subject to the following general policy. Reports are submitted for exclusive use of the clients to whom they are addressed. Their significance is subject to the adequacy and representative character of the samples and to the comprehensive of the tests, examinations of surveys made. No quotations from reports or use of TEC's name is permitted except as expressly authorized by TEC in writing.

CONSULTING ENGINEERS & FULL-SERVICE PROFESSIONAL TESTING AND INSPECTION
OFFICES IN ANN ARBOR, DETROIT, LANSING AND TROY



ITEM #14 RADIATION PROTECTION PROGRAM

I. The Duties and Responsibilities of the Radiation Protection Officer

(Gerald M. Belian)

RESPONSIBILITY

- A. Coordinate the safe use of the nuclear gauges and ensure compliance with appropriate federal regulations.

DUTIES

- A. Assure that byproduct material possessed under the license conform to the materials listed on the license.
- B. Assure that the use of the devices is only by individuals authorized by the license.
- C. Assure that all users wear personnel monitoring equipment (film badges), when required.
- D. Assure that gauges are properly secured against unauthorized removal at all times when they are not in use.
- E. Serve as a point of contact and give assistance in case of emergency (gauge damage in the field, fire, theft, etc.) to assure that proper authorities are notified promptly.
- F. Assure that the terms and conditions of the license, such as periodic leak tests, are met and that the required records, such as personnel exposure records, leak test records, etc. are periodically reviewed for compliance with N.R.C. Regulations, requirements, and licensing conditions.

II. USAGE AND PROTECTION PROGRAM

- A. Devices will be transported in a fully secured manner away from the passenger compartment. Transportation activities will be carried out in accordance with the requirements of 10 CFR 71 and DOT Regulations.
- B. Gauges will be kept locked and secured in locked cab of vehicle when on jobsite and not in use. When in use they will not be left unattended.
- C. Designated place of storage as well as each unit will be kept locked. Only authorized supervisory personnel have access to storage room.
- D. In case of emergency (gauge damage, fire or loss) the user is to immediately contact the Radiation Protection Officer who will give assistance and specified instructions based upon type of emergency and will in turn notify the appropriate officials.

ITEM #14 RADIATION PROTECTION PROGRAM (Page 2)

II. USAGE AND PROTECTION PROTECTION PROGRAM (Cont'd)

- E. Calibration, maintenance and repair of equipment will be performed only by manufacturer.
- F. Leak tests will be performed on each unit at 6 month intervals. Tests will be performed by Mr. Ray Chyla or Mr. Gerald M. Belian using the Troxler Model RK-1 Leak Test Kit, following Troxler instructions and procedures. Tests will be performed in an isolated area to minimize exposure to other personnel.

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

RAYMOND C. CHYLA

of

TESTING ENGINEERS & CONSULTANTS INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

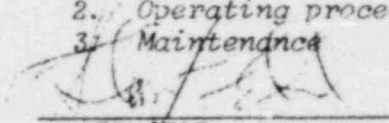
SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |


INSTRUCTOR

2/1-2/79

DATE

WILLIAM F. TROXLER

PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

GERALD M. BELIAN

of

TESTING ENGINEERS & CONSULTANTS INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

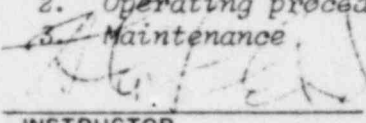
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Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration


INSTRUCTOR

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WILLIAM F. TROXLER
PRESIDENT

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Control No. 77200

TESTING ENGINEERS & CONSULTANTS

GERALD M. BELIAN, P.E.

Gerald M. Belian is a Vice-President of Testing Engineers & Consultants, Inc. (TEC); He has management and engineering responsibilities for construction materials evaluation, testing and inspection, and client relations.

Mr. Belian has 16 years experience as a manager, administrator, construction materials engineer and consultant. In his previous employment, he was Vice-President and Chief Materials Engineer for Michigan Testing Engineers, Inc., for a four-state area.

A graduate of the University of Notre Dame with a BS Degree (1963) in Civil Engineering, Mr. Belian is a registered Professional Engineer in Michigan, Ohio, Indiana, Florida and Pennsylvania.

He is a member of the Michigan Society of Professional Engineers, National Society of Professional Engineers, American Concrete Institute, and Engineering Society of Detroit. He resides in Northwest Detroit where he has been active for many years in church-community projects.