

Davis Industrial Park · Box 468 · King of Prussia, PA 19406 (215) 275-7100 (215) 878-1200

January 4, 1984

JOSEPH F. BEVENOUR VICE PRESIDENT AND TREASURER

> US Nuclear Regulatory Commission 631 Park Avenue King of Prussia, PA 19406

Attention: John E. Glenn, Ph.D., Chief Nuclear Materials Section B

Re: License No. 37-18476-01

Gentlemen:

In response to your letter of November 5, 1984 and the followup dated December 24, 1984; we submit the additional information to be included with our license renewal application. Please note that we have numbered the answers consistant with the questions detailed in your original correspondence.

We trust this enclosure meets with your approval and await your futher advice.

Very truly yours, UNION PAVING COMPANY

Joseph F. Bevenbur Vice President and Treasurer

JFB/cs

Enclosure

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MEMBER OF ASSOC. GENERAL CONTRACTORS OF AMERICA, AMERICAN ROAD & TRANSPORTATION BUILDERS ASSN, ASSOC. PENNSYLVANIA CONSTRUCTORS ASSOC. GENERAL CONTRACTORS OF NEW JERSEY, CONTRACTORS ASSN. OF EASTERN PENNA.

JAN 0 9 1985

12

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#1 (Item 12) Exchange frequency - Monthly

#2 (Item 13) Storage Facilities

A permanent locker built in storage room of lab at our Bridgeport Plant. Locker will have 3 keys held by J. McNeill, J. Koran, N. Pulcini. Locker properly identified with warning signs. "Warning Radioactive Material." Nearest occupied space 100 feet.

#3 Radiation Protection Officer

Shall assure that all terms of license are being met. He shall assure that machine is operated by authorized personnel, and all users shall have proper monitoring devices. Will maintain records required by license, such as personnel exposure records, leak tests & training certificates. Will assure that equipment is properly secured at all times from unauthorized use. Notify proper authorites in case of damage or theft. Shall assure that all users understand radiation safety and operating procedures.

#4 Copies of three training certificates enclosed.

#5 (14 - A) All means will be provided to ensure that equipment is fully secured in transporting vehicle. Will be away from passenger compartment. When transporting in closed vehicle, the vehicle will be locked. When transporting in open vehicle, the gauge will be securely fastened and locked. The gauge will be transported in Troxler Transportation Case.

(14 - B) 1. When gauge is in the field, we as the authorized user will maintain control of the gauge at all times. The gauge will never be left unattended.

2. When not making measurements, the gauge will be placed in the transportation case, and returned to permanent storage area as soon as possible.

3. When using the equipment, we will wear personnel monitoring device that has been assigned to us. When not using the guage, our monitoring device will be stored in radiation free area that has been designated.

4. When moving gauge to differnet testing location, it will always be kept in safety position.

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5. A log will be kept to control whereabouts of guage at all times.

6. The storage location will be kept locked to avoid unauthorized use.

(14 - C) Maintenance and Leak Test Procedures

1. Periodically cleaning the guage. During any maintenance and cleaning we will wear our personnel monitoring device.

2. No maintenance will be performed in which the radioactive source is removed from gauge. For this type of maintenance the gauge will be returned to manufacturer.

3. Leak Test will be performed using Troxler Model 3880, Leak Test Kit. The Leak Test will be performed under the manufactures instructions. The personnel monitoring device will be worn and all means taken to limit radiation exposure. Gauges will be Leak Tested at intervals not to exceed 6 months.

(14 - D) Emergency Procedures In event of physical damage to machine the following will be peformed.

1. Immediately coruon off area around gauge. An area of 15 feet.

2. If vehicle is involved, it must be stopped until the extent of contamination, if any, can be established.

3. A visual inspection of the gague is to be made to determine if the source housing and/or shielding has been damaged.

4. At the earliest possible time, when situation is under control, we will contact Jos. McNeill at 739-3281. We will describe present conditions and follow instructions of the Radiation Safety Officer.

In event the guage is lost or stolen, immediately notify Radiation Safety Officer as listed above in Item #3, A-4.

# TROXLER ELECTRONIC LABORATORIES, INC.

JOSEPH E. KORAN

of

UNION PAVING COMPANY

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

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

## Gauge Operation

- 1. Instrument theory
- 2. Operating procedures
- Maintenance

2/13/84 DATE

NO

W.F. TROXLER

8461

4. Field application

5. Gauge calibration

PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JOSEPH J. MCNEILL

of

UNION PAVING CO.

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

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- 2. Operating procedures

3. Mintenance

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11/28-29/79 DATE

WILLIAM F. TROXLER PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC

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NINO T. PUHCINI

of

UNION PAVING CO.

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### Gauge Operation

- 4. Field application
- 5. Gauge calibration

Operating procedures Maintenance

6/10/81 DATE

W. F. TROXLER PRESIDENT