

FROM: Thomas Asphalt Paving Co.
P.O. Box 611
Kent, OH 44240

September 7, 1985
Re: Amendment to NRC License
Number 34-20182-01
Control Number 79316

TO: The United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Gentlemen:

In response to your letter concerning the referenced matter, we herewith submit following information:

1. Facilities

- a. Regarding documentation from Summit Testing & Inspection Co. authorizing storage of our gage on their premises, we are attaching a letter from Summit Testing.
- b. Control and accountability for the gages stored at Summit Testing will remain in the hands of our Radiological Safety Officer as he is the principal of Summit Testing.
- c. Attached to the letter referred to in paragraph 1.a. above is a sketch depicting the storage area which is available at Summit Testing.

2. Training

We wish to provide in-house training for our personnel, in lieu of sending them to Troxler's training course. Therefore, we are responding to the information requested in your letter on page 2, items 2.b.i. through 2.b.iii.

The person who will provide the formal training is John Malivuk, our Radiological Safety Officer. Mr. Malivuk has attended (in January of 1979) the Troxler course. Prior to that, the basics of radiation theory were learned in Physics classes taken at the University of Akron in 1970 as part of his training to become a civil engineer.

Additionally, experience with Troxler gages was obtained over the period of 1976 to 1983 while Mr. Malivuk served as the radiological safety officer for Messmore Testing & Supervision, Inc. (Messmore was not licensed for a gage until sometime well after 1976 as the first gage which they possessed contained a Radium source which at the time required registration only with the State of Ohio Health authorities.)

An outline of the formal and on-the-job training program which Mr. Malivuk will provide is attached. Determination of when the trainee has satisfactorily completed his training will be made by means of a written examination administered by Mr. Malivuk. The examination will be composed of multiple choice and short answer type questions covering all training course material and 70% will be the required grade before the training is considered satisfactory.

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REGION III

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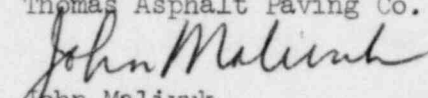
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Should there be any further items in need of clarification, kindly contact this writer.

Thomas Asphalt Paving Co.


John Malivuk
Radiation Safety Officer



Summit Testing & Inspection Company

P.O. Box 2231, Akron, Ohio 44309

Deliveries: 2917 Reserve Ave., Akron, Ohio 44321

(216) 666-7606

August 25, 1985

Re: Troxler Moisture-Density Gage

Thomas Asphalt Paving Company
P.O. Box 611
Kent, OH 44240

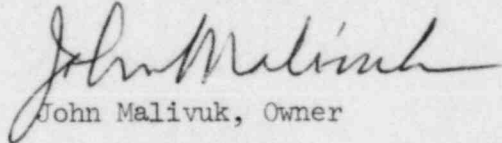
Gentlemen:

This letter authorizes storage of your Troxler Moisture-Density gage on our premises.

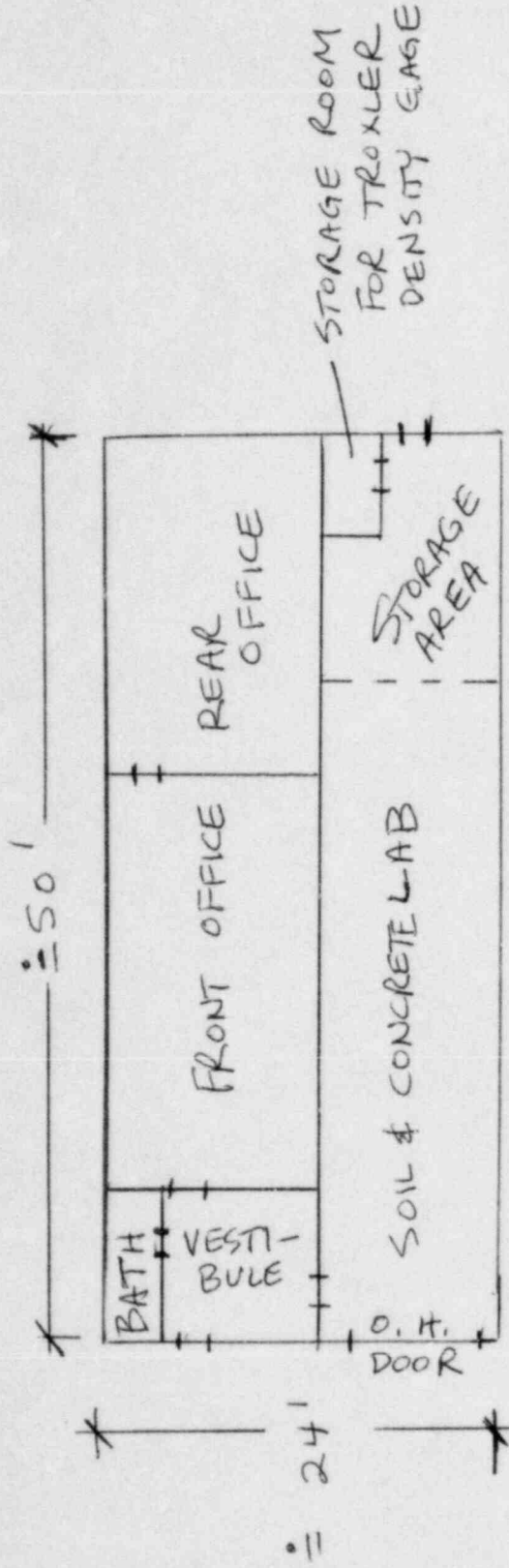
Per your request, we are supplying a sketch of the storage area which will provided when our building is used for storage. As can be seen from the sketch, the room being provided is in the least inhabited part of our shop. This particular room is able to be locked.

Should there be any further questions, please do not hesitate contacting us.

Respectfully submitted,
SUMMIT TESTING & INSPECTION COMPANY


John Malivuk, Owner

RESERVE AVENUE



FACILITIES OF SUMMIT TESTING & INSP. CO.

2917 RESERVE AVE.

COPLEY, OHIO 44321

Notes; -Exterior walls and Center dividing wall (oriented N to S) are masonry. Other walls are stud walls,

- Dashed line does not indicate a wall and is shown here only to emphasize that the back end of the building on this side is reserved for storing supplies.
- ENTIRE property is fenced in and locked at night,

OUTLINE OF FORMAL AND ON THE JOB TRAINING PROVIDED FOR PERSONNEL OF THE THOMAS ASPHALT PAVING COMPANY WHO WILL THEN BE AUTHORIZED TO USE TROXLER NUCLEAR MOISTURE-DENSITY GAGES OWNED BY THE COMPANY.

Formal Training (Provided over 2 evenings, 2hrs. each, or Saturday for 4 hours)

Text: Troxler 3411B Gage Operations Manual

I. Radiation Theory

- A. Definitions
- B. Atomic Structure
- C. Radioactivity
- D. Radiation Statistics
- E. Radioactive Terminology

II. Theory of Operation

- A. Density
- B. Moisture

III. Radiological Safety

- A. Types of radiation
- B. Types of sources
- C. Source encapsulation
- D. Radiation exposure limits
- E. Means of exposure limitations
- F. Means of limiting exposure (Time, Distance, Shielding)

IV. On the Job Training (Provided as long as necessary for the individual to operate the gage successfully without immediate supervision)

- A. Daily standardization
- B. Backscatter for determining non-destructively the density and moisture content of relatively impenetrable materials
- C. Direct transmission density and moisture content determinations
- D. Programming Dry Density maximum
- E. Moisture corrections and their programming.
- F. Job and transportation safety

V. Review and Question and Answer period

VI. Test (May be repeated if not passed, but not more than once in 90 days)