Radiation Safety Program
(revised August 12, 1985)

1 Radiation Safety Officer

A Reuben Brady has been designated as the company radiation safety officer and will assume the duties and responsibilities that include the following:

1 To ensure that all terms and conditions of the license are being met and that the information contained in the license is up-to date.

2 To ensure that the equipment has been leak tested in the required timely manner and that the leak test is performed in the manner prescribed by the equipment manufacturer.

3 To ensure that the use of the equipment is only by individuals that have been authorized by the radiation safety officer and that all users wear personnel monitoring equipment when utilizing the equipment.

4 To maintain the records as required by the license and the regulations. These records shall include personnel exposure records, leak test records and training certificates for all users.

5 To ensure that the equipment is properly secured against unauthorized removal at all times when it is not in use.

6 To serve as a point of contact and give assistance in case of emergency such as equipment damaged in the field or theft and to notify the proper authorities in case of emergency.

7 To ensure that all users have read and understand the radiation safety operating and emergency procedures.

8 To post NRC notice to employees in a highly visible area.

9 To post Warning Radioactive Material on the storage location.

C Maintenance and Leak Test Procedures

1 The only maintenance we will perform on the gage will be external cleaning. The machine will be returned to the manufacturer for periodic maintenance, including removal and cleaning of the source rod. During any maintenance, we will wear our personnel monitoring device.

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

3 The leak test will be performed using the Troxler Model 3880 Leak Test Kit. The leak test will be performed using the manufacturer's instructions. Again, the personnel monitoring device will be employed. Gages will be leak tested at intervals not to exceed six (6) months, and reports kept on file.

4 The film badges will be acquired thru RS Landover & Company; 2 Science Road; Glenwood, IL 60425. Exchange frequency will be quarterly with reports posted for gage operators.

3 Emergency Procedures

A In the event of physical damage to a gage, the following will be performed:

1 Immediately cordon off an area around the gage. An area radius of 15 feet will be sufficient.

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

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

4 At the earliest possible time, when the situation is under control, we will contact Reuben Brady at (717)264-5876. Describe the present conditions and follow the instructions of the Radiation Safety Officer.

2 Operating Procedures

A Transportation of Equipment

1 Transportation of the gauges will be in accordance with DOT requlations. All possible means shall be provided to ensure that the equipment is fully secured in the transporting vehicle and the equipment is away from the passenger compartment when transporting in an enclosed vehicle (car or van), the vehicle will be locked. When transporting in an open bed vehicle, the gage will be securely fastened and locked to the truck bed.

2 The gage will be transported in the Troxler transportation case, which has been properly labeled.

3 At all times during transport, the operator will have a properly completed Bill of Lading for each gage, and a copy of the source certificate.

B Utilization Procedures

1 When the gage is in the field, we as the authorized user will maintain control over the gauge at all times. The gauge will never be left unattended.

2 When not making measurements, the gage will be placed in the transportation case and returned to its permanent storage area as soon as possible. The gage will be used for its intended purpose only. By doing so, we will maintain any radiation exposure to as low as reasonable attainable.

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

4 A utilization log book will be kept to control the gage(s) location at all times. A formal inventory will be done every six months.

5 A copy of these instructions will be with the gage operators in the field.

B In the event the gage is lost or stolen, we will immediately notify the Radiation Safety Officer listed above in item 3 A4.

5 Troxler 3401, 3411-5A,5B, 61

	a. Radionuclei	b. Form	c. Troxler Drawing	d. Maxium Amount
5A	Cs-137	Metal Solid Special Form	A-102112	Not to exceed 9 MCI per Source
5B	As-241:Be	Metal Solid Speical Form	A-102451	Not to exceed 44 MCI per source

6-1 to used in Troxler Model 3411-B Series surface moisture/density gauges to measure density and moisture propertiesof construction materials (soils, asphalt)

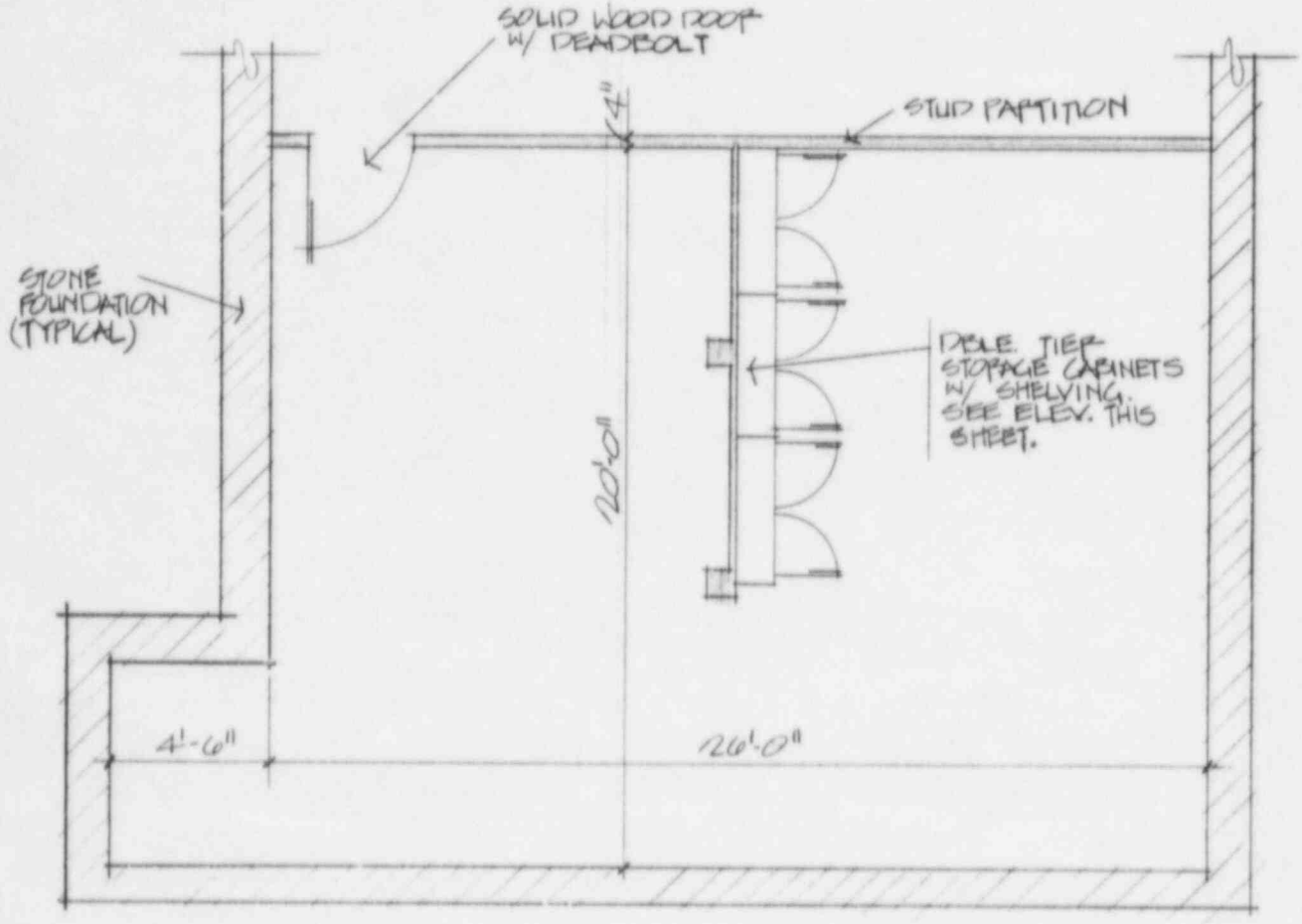
7 Reuben Brady attended the Troxler nuclear gauge training course.

8 Reuben Brady and Jeryl Yeager have attended the Troxler nuclear guage training course.

9 Enclosed is a sketch where gauge will be stored when not in use.

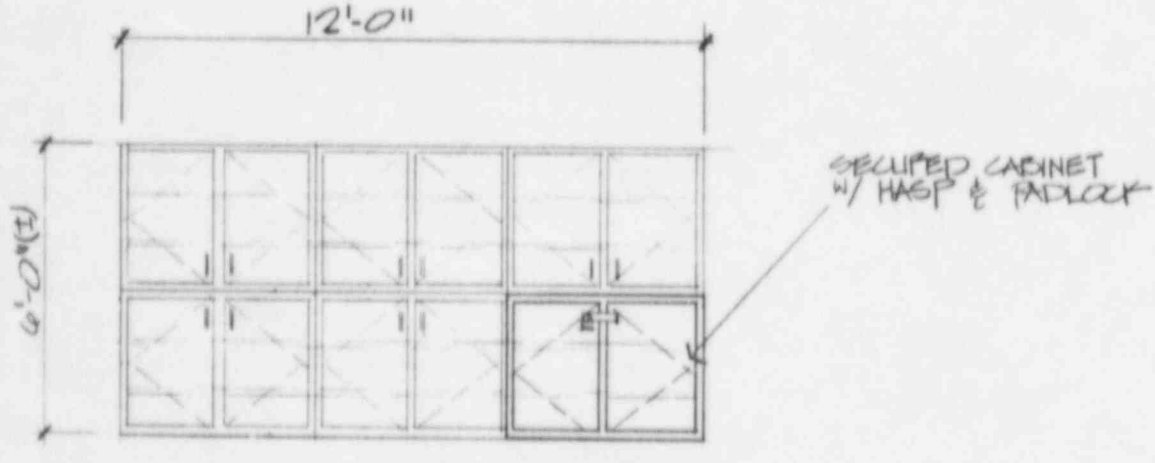
10 Enclosed is my radiation safety procedures.

11 We would either turn the guage back to the manufacturer or sell to another licensed user.



- BASEMENT STORAGE - FLOOR PLAN -

SCALE = 3/16" = 1'-0"



- CABINET ELEVATION -

NO SCALE

1 MAY '85

JUL 25 1985

Docket No. 030-21253
Control No. 103763

Ken Plummer, Jr., Inc.
ATTN: Noel Schooley
Safety Officer
527 Lincoln Way East
Chambersburg, PA 17201

SUBJECT: APPLICATION FOR MATERIAL LICENSE DATED APRIL 29 1985, AND OUR REQUEST FOR INFORMATION IN A TELEPHONE CONVERSATION MAY 24, 1985

Gentlemen:

This concerns the subject application for a material license and to the telephone conversation between yourself and Mr. Miller of my staff on May 24, 1985.

We have not received the requested information. Specifically, you have not confirmed that you will have a survey meter on hand to adequately assess the radiation levels that will be present when the source rod is removed. In addition, please specify how your survey meter will be calibrated.

Also confirm that portable gauges will be transported in accordance with DOT regulations.

You are hereby notified that unless within thirty (30) days from the date of this notice we receive the additional information requested, we will consider that you have abandoned your application. This action is without prejudice to the resubmission of an application.

Sincerely,

Original Signed By:
Laurence F. Friedman, Ph.D.

John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

RI:DRSS
JJM Miller/cop
7/24/85

RI:DRSS
for Glenn
7/25/85

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ML10

NRCM 0240

U.S. NUCLEAR REGULATORY COMMISSION

TELEPHONE OR VERBAL CONVERSATION RECORD

DATE 5/24/85

TIME ☐ A.M. ☐ P.M.

☐ INCOMING CALL ☒ OUTGOING CALL ☐ VISIT

PERSON CALLING	OFFICE/ADDRESS	PHONE NUMBER	EXTENSION
Miller	RI King of Prussia	215-337-5304	
PERSON CALLED	**OFFICE/ADDRESS**	**PHONE NUMBER**	**EXTENSION**
Noel Schooley Safety Officer	Ken Plummer, Jr. Inc. 527 Lincoln Way East Chambersburg, PA 17201	(717) 264-5876	

CONVERSATION

SUBJECT Request for a new license

SUMMARY

Miller phoned Schooley and informed him that he had the option to have either individuals authorized as users on their license or a generic authorization for personnel who meet a minimal training requirements. Schooley indicated that personnel would be authorized by memo.

Miller informed Schooley that his application did not indicate that gauges would be transported in accordance with DOT regs. Also, Miller stated that the NRC expected licensees who plan to remove the source rod to have a survey meter on hand to adequately assess the radiation levels. Schooley agreed to address these items in a letter.

REFERRED TO:

ACTION REQUESTED

See summary

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE 5/24/85

ACTION TAKEN

"OFFICIAL RECORD COPY" ML10

INITIALS

DATE

NRC FORM 216 (4-76)