

S & S ELECTRIC, INC.

(907) 344-0022
11220 Olive Lane / P.O. Box 10-869
Anchorage, Alaska 99511

May 1, 1985

U.S. Nuclear Regulatory Commission, Region V
Material Radiation Protection Section
1450 Maria Lane, Suite 210
Walnut Creek, CA. 94596

Attention: Frances

Dear Frances:

Please find enclosed a revised Radition Safety Program. the revised Program incorporates sections on Leak Testing, Maintenance, and Instructions to Users. Additionally, we have included Security Measures.

I have contacted Radiation Detection, Co., P.O. 1414, Sunnyvale, CA. 94088, with regard to establishing an account for dosimeters. We have agreed to have the badges checked quarterly. Their application material is enroute at this time.

Also I have enclosed copies of the certificates from the Troxler Training course.

Thank you for your personal attention in this matter.

Sincerely,

Duffy Jensen
Duffy Jensen

8507170161 850502
REGS LIC30
50-23226-01 PDR

70174

S & S ELECTRIC, INC.

(907) 344-0022
11220 Olive Lane / P.O. Box 10-869
Anchorage, Alaska 99511

RADIATION SAFETY PROGRAM

1. Radiation Protection Officer

A. Robert B. Swanson, Sr. has been designated as the company Radiation Safety Officer and will assume the duties and responsibilities that include:

1. To assure 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 assure that the use of the equipment is only by individuals that have been authorized by the Radiation Protection Officer; and, that all users wear personnel monitoring equipment when utilizing the quipment.
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 assure that the equipment is properly secured against unauthorized removal at all times when not in use. Under lock and key in its formal storage area, the job shack or vehicle on the job.
6. To serve as a point of contact and offer assistance in case of emergency such as equipment damage inthe field or theft; and to notify the proper authorities in case of emergency.
7. To assure that all users have read and understand the Radiation Safety operating and emergency procedures.
8. To ensure that a copy of the pertinent equipment manual accompanies the instrument on all jobs to assure proper operation.

2. A. Transportation of Equipment

1. 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 gauge should be securely fastened and locked to the truck bed.
2. The gauge will be transported in the Troxler transportation case. The U. S. Department of Transportation requires that the gauge be transported in a properly labeled carrying case.

- B.
1. When the gauge is in the field, you as the authorized user must maintain control over the gauge at all times. The gauge must never be left unattended.
 2. When not making measurements, the gauge should be placed in the transportation case, and returned to its permanent storage area as soon as possible. The gauge is to be used for its intended use only, by doing so you will maintain radiation exposure to as low as reasonably attainable.
 3. When using the equipment, you will wear the personnel monitoring device that has been assigned to you. When you are not using the equipment, your monitoring device is to be stored in the radiation free area that has been designated in the office.


C. Maintenance and Leak Test Procedures.

1. Periodic maintenance will include cleaning the gauge. During any maintenance, you must wear your personnel monitoring device.
2. No maintenance will be performed in which the radioactive source is removed from the gauge. For this type of maintenance, the gauge 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 under the manufacturer's instructions. Again, the personnel monitoring device will be worn and all means to limit radiation exposure will be employed. Gauges will be leak tested at intervals no to exceed six (6) months.

3. Emergency Procedures

- A. In the event of physical damage to a gauge, the following will be performed:

1. Immediately cordon off an area around the gauge. 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 gauge is to be made to determine if the source housing and/or sheilding has been damaged.
 4. At the earliest possible time, when the situation is under control, you must contact Robert B. Swanson, SR. at 907-344-0022. Describe the present conditions and follow the instructions of the Radation Safety Officer.
- E. In the event the gauge is lost or stolen, immediately notify the Radiation Officer as listed above in Item 3.A.4.


Robert B. Swanson
President

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

DALE RUSNELL

of

S & S ELECTRIC INC.

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

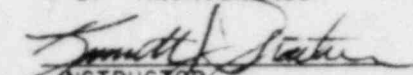
SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

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

4/4/85
DATE

W.F. TROXLER
PRESIDENT

No 10676

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

FRED J. SAMLER

of

S & S ELECTRIC

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

4/4/85

DATE

W.F. TROXLER

PRESIDENT

No 10675

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

RICHARD L. E. JENSEN

of

S & S ELECTRIC INC.

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

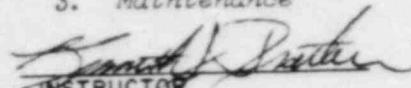
SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

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

4/4/85

DATE

W.F. TROXLER

PRESIDENT

№ 10674

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JIM R. PAGE

of

S & S ELECTRIC 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.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
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
3. Maintenance
4. Field application
5. Gauge calibration


INSTRUCTOR

4/4/85

DATE

W.F. TROXLER

PRESIDENT

№ 10672

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

ROBERT SWANSON

of

S & S ELECTRIC 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.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
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
3. Maintenance
4. Field application
5. Gauge calibration


INSTRUCTOR

4/4/85

DATE

W.F. TROXLER

PRESIDENT

Nº 10673

MS 11
5/31/85

4:00

☐ A.M.
☒ P.M.

TELEPHONE OR VERBAL CONVERSATION RECORD

☐ INCOMING CALL

☒ OUTGOING CALL

☐ VISIT

PERSON CALLING

Frances Roselinsky

OFFICE/ADDRESS

PHONE NUMBER

EXTENSION

PERSON CALLED

Robert B. Swanson

OFFICE/ADDRESS

PHONE NUMBER

EXTENSION

907-544-0022

CONVERSATION

SUBJECT

deficiency phone call for S and S Electric, Inc.

SUMMARY

Mr. Swanson transferred me to a Mr. Duffy. He was the person who filled out the application. I went over the deficiencies in the application:

1. no supplies of film badges listed,
2. no exchange frequency of film badges listed,
3. nothing was mentioned about sealed source leak testing,
4. There was no instructions to users about unauthorized use or removal from storage or job site,
5. their emergency procedures were not described,
6. nothing was mentioned about maintenance of the gauge.

He said he will send a response to this deficiency phone call by Wednesday, May 1, in an overnight letter.

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE

INITIALS

DATE