

Advanced Radiation Service

271 PLAINFIELD ROAD

EDISON, NEW JERSEY 08820

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MS 18

April 16, 1985

U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

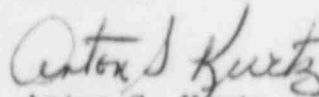
Reference: Docket No. 030-68048

Dear Mr. Glenn,

As per your letter dated April 9, 1985, we have reviewed your statements and further amended the text of our Administrative and Operations and Emergency Procedures Manuals. We hope you find these revisions acceptable.

As to your letter dated June 6, 1984, regarding the routine safety inspections that were conducted by Mr. C. Rowe, and Mr. T. Thompson, our response is included. Thank you for your cooperation and patience with these matters.

Sincerely,



Anton S. Kurtz
President

Advanced Radiation Service, Inc.

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April 16, 1985

U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Re: Docket No. 030-08048
Mail Control No. 12765

Gentlemen,

Below are the answers and clarifications listed in letters from your office dated April 9, 1985 and June 6, 1984. These are in regard to our application of renewal of License No. 29-14171-01. We hope you find these answers satisfactory.

1) After reading your reply to our amended answer in our Administrative Manual, 8, i, page 8, it appears that we have misread your original suggestion. This section has now been amended to read as follows;

B. Training of Persons to be Radiographer's Assistants.

Trainees will undergo the following training to become a Radiographer's Assistant.

i. Initial classroom instruction. A minimum of 16 hours of formal classroom instruction, to be divided as follows;

- * 1 Hour - Responsibilities, duties, limitations.
- * 2 Hours - Introduction to basic principles of radiation safety.
- * 1 Hour - Introduction to the use of personal monitoring equipment.
- * 8 Hours - The nature and importance of Operating and Emergency Procedures; Introduction to federal regulations applicable to industrial radiography with sealed sources.
- * 4 Hours - Training and instruction in the use of radiographic equipment by observing a qualified individual operate such equipment in a classroom-like setting.

2) Question 41

"The radiation from 1 curie of CO⁶⁰ is attenuated in air to approximately 5 mr/hr at a distance of: 30 feet, 50 feet, 1000feet"
E.A. - 30 feet.

Amended Question/Expected Answer:

"The radiation from 1 curie of CO⁶⁰ is attenuated in air to approximately 5 mr/hr at a distance of: Approx. 50 feet, Approx. 120 feet, Approx. 170 feet."
E.A. - Approx. 50 feet.

3) Question 42

"The radiation from 10 curie of CO^{60} is attenuated in air to approximately 5 mr/hr at a distance of: 50 feet, 120 feet, 160 feet.

E.A. - 120 feet.

Amended Question/Expected Answer:

"The radiation from 10 curie of CO^{60} is attenuated in air to approximately 5 mr/hr at a distance of: approx. 50 feet, approx. 120 feet, approx. 170 feet.

E.A. - Approx. 170 feet.

4) Please find our response to your letter dated June 6, 1984 enclosed.

April 16, 1985

U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

RE: Docket No. 030-08048
Mail Control No. 12765

A) Please find that the individual involved has been notified regarding his exposure report and has been sent a copy of the report that is included in this response. Also, all individuals who leave the employ of Advanced Radiation Service or who are terminated in the future will be given such a report and the commission notified with a copy of the report.

B) Prior to October 5, 1984, the daily checklist for defects in radiographic exposure devices was performed, however, due to the makeup of our utilization log then in use, the results were not recorded. (Our Utilization Log did not have a checklist printed so recording the event on the log was not possible.)

As of October 5, 1985 a new Utilization Log has been printed with the reverse side of the log given to the recording of the daily checklist for defects in radiographic exposure devices.

C) Inspection and maintenance of radiographic exposure devices performed when in use by the radiographer is a daily requirement. We have found that the Quarterly inspection of projectors pursuant to 10 CFR 34.28(a) were completed as required but were misfiled. These reports are currently on file in our office.

D) This question is not clear. We ask you to please clarify.

E) The sources that are in question were contained in source exchangers. I was not aware that source exchangers must be leak-tested prior to their shipping.

F) 1. Annual training was given to radiographers but was not recorded. The same training that was previously given will be maintained and the proper records will be kept.

2. On the day of the inspection by Mr. Rowe, both survey meters were in working order. However one failed to operate properly when tested by Mr. Rowe. This meter has been replaced and is in proper working order.

G) We agree that proper records were not kept regarding the Quarterly Inventory of all sealed sources. This was an oversight on our part. These records are now being kept properly and are being kept for inspection by the commission.

H) Spare badge #21 was originally used by Richard Kurtz, a part time employee. When Mr. Michael Phelan joined our company we did not have a new badge to give him. Instead, I inadvertantly gave him badge #21. This shall not occur in the future, we now have two spare badges on hand.

Advanced Radiation Service

OFFICE AND PLANT
1079 East Grand Street, Rear
Elizabeth, New Jersey 07201

EMPLOYEES TERMINATION RADIATION REPORT

(10 CFR Part 20.408)

Date: 5-8-84

License No: 29-14171-01

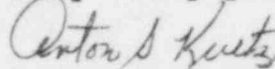
Name: Michael Phelan
SS# : 146-42-1895
DOB : 1-15-58

The following report certifies that during your period of employment with ADVANCED RADIATION SERVICE, Inc. our film badge processor, reported radiation exposure received by you from all sources of radiation to be as shown below:

<u>DATES OF EMPLOYMENT</u>	<u>TOTAL ACCUMULATED DOSE FOR PERIOD</u>
12-3-83 - 5-1-84	1.260 REM

This report is furnished to you under the provisions of the Atomic Energy Commission entitled "Standards for Protection Against Radiation" (10 CFR Part 20). You should preserve this report for future reference.

Very truly yours,



Anton S. Kurtz
Radiation Safety Officer

Advanced Radiation Service

OFFICE AND PLANT

1079 East Grand Street, Rear

Elizabeth, New Jersey 07201

EMPLOYEES TERMINATION RADIATION REPORT

(10 CFR Part 20.408)

Date: 10-15-84

License No: 29-14171-01

Name: Anthony Sabba
SS# : 142-66-6848
DOB :

The following report certifies that during your period of employment with ADVANCED RADIATION SERVICE, Inc. our film badge processor, reported radiation exposure received by you from all sources of radiation to be as shown below:

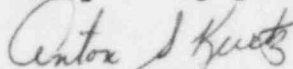
DATES OF EMPLOYMENTTOTAL ACCUMULATED
DOSE FOR PERIOD

9-24-84 - 10-8-84

30 MR

This report is furnished to you under the provisions of the Atomic Energy Commission entitled "Standards for Protection Against Radiation" (10 CFR Part 20). You should preserve this report for future reference.

Very truly yours,



Anton S. Kurtz
Radiation Safety Officer

Advanced Radiation Service

OFFICE AND PLANT
1079 East Grand Street, Rear
Elizabeth, New Jersey 07201

EMPLOYEES TERMINATION RADIATION REPORT

(10 CFR Part 20.408)

Date: 1-5-84

License No: 29-14171-01

Name: Gerald Muchanic
SS# : 142-32-8690
DOB : 8-18-39

The following report certifies that during your period of employment with ADVANCED RADIATION SERVICE, Inc. our film badge processor, reported radiation exposure received by you from all sources of radiation to be as shown below:

DATES OF EMPLOYMENT

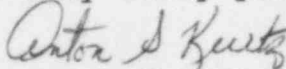
3-11-73 - 12-28-83

TOTAL ACCUMULATED
DOSE FOR PERIOD

14.630 REM

This report is furnished to you under the provisions of the Atomic Energy Commission entitled "Standards for Protection Against Radiation" (10 CFR Part 20). You should preserve this report for future reference.

Very truly yours,



Anton S. Kurtz
Radiation Safety Officer