

NOV 5 1987

Docket No. 030-12770

License No. 50-17446-01

Testing Institute of Alaska
2114 Railroad Avenue
Anchorage, Alaska 99501

Attention: Mr. Donald Lockman
President

Gentlemen:

Thank you for your letter dated October 17, 1987, informing us of the steps you have taken to correct items which we brought to your attention in our letter dated September 17, 1987. Based on the information that you have provided, the violations cited in the Notice of Violation are rescinded. However, you should be fully aware that 10 CFR 30.52(b) requires, in part, that you maintain all appropriate records in the office so that they are available for inspection by the Nuclear Regulatory Commission. In the future, it is imperative that you do so. The corrective actions that you have taken will be verified during our next inspection.

Your cooperation with us is appreciated.

Sincerely,

Original Signed

James L. Montgomery, Chief
Nuclear Materials Safety and
Safeguards Branch

cc w/cy ltr dtd 10/17/87:
Sidney D. Heidrsdorf
DH&SS

bcc w/cy ltr dtd 10/17/87:
RSB/Document Control Desk (RIDS) (IE05)
B. Faulkenberry
J. Martin
J. Zollicoffer

bcc w/o cy of ltr dtd 10/17/87:
M. Smith

Region V

REQUEST COPY	REQUEST COPY	REQUEST COPY
YES / NO	YES / NO	YES / NO
		SEND TO PDR
		YES / NO

J.F.P.
FPang/norma
11/5/87

B.T.
BThomas
11/5/87

J.M.
J.Montgomery
11/5/87

8711100226 871105
REG5 LIC30
50-17446-01

PDR

IE05

Testing Institute of Alaska, Inc.

RECEIVED
NRC
REGION V

1981 OCT 26 P 12: 58

2114 Railroad Avenue
Anchorage, Alaska 99501
(907) 276-3440
Welding / Quality
Inspection / Integrity

October 17, 1987

U.S. Nuclear Regulatory Commission
Attn: Document Control
Washington, D.C. 20555

Attn: James L. Montgomery, Chief
Nuclear Materials Safety
and Safeguards Branch

RE: "Reply to a Notice of Violation"

The following is in response to a Notice of Violation sent to the Testing Institute of Alaska, Inc. under your Docket No. 030-12770 and our License No. 50-17446-01 of an NRC inspection conducted on August 4 and 5, 1987.

ITEM #A: 10CFR 34.11(d)(1)

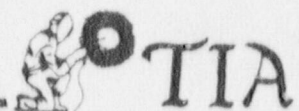
The inspector found incomplete records of two radiographer audits which were performed but were not turned into the office for proper filing.

1. No violation had occurred because the two audits were performed in the field but were not turned into the office for filing.
2. The two missing audits were found; one with the equipment that was returned from Nome, Alaska for Don Gilhousen, and the other in the back shop area where it was left after a source was changed from a shipping container to one of our cameras for Tim Lockman.
3. Steps have been taken in instructing Testing Institute of Alaska personnel to be sure these documents are turned into the office as soon as possible after the audits are performed so they can be placed in the proper files.
4. Full compliance has been met in this item.

ITEM #B: 10CFR 34.28(b)

The inspector found incomplete records of two exposure devices, Serial No. 2134 and 2197, which had an absence of quarterly maintenance performed.

1. No admission of violation, as these records were also found in the same locations, respectively, as those in item #1 above.



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U.S. Nuclear Regulatory Commission
October 17, 1987
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2. The two missing quarterly inspection and maintenance inventory records were found and placed in the respective files. The completed quarterly inspection and maintenance inventory form for exposure device, Serial No. 2134, dated June 30, 1987 was found in the back shop along with other papers where Tim Lockman and Steve Lockman were changing a new source from a shipping container to this camera device No. 2134. The completed quarterly inspection and maintenance inventory form dated July 9, 1987 for the exposure device No. 2197 was found with the equipment returned from Nome, Alaska where the inspection and record was made.
3. Steps have been taken in instructing Testing Institute of Alaska personnel to make sure important records such as these be delivered to the office for proper filing.
4. The documents are on file with the other records for each exposure device so that full compliance has been accomplished.

ITEM #C: 10CFR 34.25(b)

The inspector found that the files for Iridium-192 Source, Serial No. 104.086 was missing a leak test report.

1. No violation had occurred because a leak test was taken, however, the exposure device, Serial No. 359, was entered on the leak test kit instead of the source, Serial No. 104.086. This was inadvertently done due to the concern of the exposure device's age and the possibility of contamination of depleted Uranium. The leak test was received by Gamma Industries Inc. on May 21, 1987 with their report dated June 26, 1987, and the source was transferred on June 30, 1987. The leak test did not show any leakage of the IR-192 source but did show .0059 grams of depleted Uranium.
2. The corrective steps taken were to enter the leak test information in the source file no. 104.086 for permanent record.
3. The corrective steps to be taken is to enter all pertinent information on future leak test kits.
4. Full compliance has been accomplished with the leak test results entered in the proper source file. Also, the exposure device 359 has been taken out of service on June 30, 1987 until repair or replacement. Enclosed are copies of the utilization report forms showing source No. 104.086 being housed in exposure device No. 359 and a copy of the leak test results.

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ITEM #D: 10CFR 34.26

The inspector found the quarterly physical inventory of sealed sources file incomplete.

1. No violation is admitted as the missing quarterly physical inventory report was found and placed in the proper file.
2. The corrective steps that have been taken were to find the missing report and when found place it in the proper file for permanent record.
3. The corrective steps that are being taken are to instruct Testing Institute of Alaska personnel to file records properly, and conduct periodic file audits to see if records are being properly filed.
4. Full compliance has been achieved by the refiling of the misfiled form.

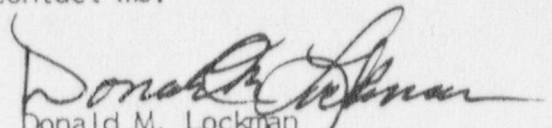
ITEM #E: 10CFR 20.407

The inspector states he could not find record of the required report of the total number of individual personnel monitoring which is to be sent to NRC within the first quarter of each calendar year.

1. No violation is admitted as this completed record was made and mailed January 28, 1987 to Director, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.
2. No corrective steps were necessary.
3. No corrective steps are necessary.
4. Full compliance was achieved on January 28, 1987 when this form was mailed as illustrated in subparagraph (1) above.

This form was produced for review by the inspector when he asked for it. Later, he asked again for it and the same record was again produced. Enclosed is a copy of this record which was on file.

If further information is required, please contact me.


Donald M. Lockman
Radiation Safety Officer

Testing Institute of Alaska, Inc.

UTILIZATION/RADIATION REPORT

WARNING — INTENTIONAL FAILURE TO RECORD INFORMATION
ACCURATELY ON THIS FORM CAN RESULT IN A FINE AND/OR
DISCIPLINARY ACTION.

DATE 1-6-87 CITY KENAI STATE AK

PROJECT KENAI REFINNERY CUSTOMER PHILLIPS 66

SOURCE OF RADIATION

IR 192 ☒ CO-60 ☐ X-RAY ☐

S/N 104.086 S/N _____ S/N _____

ACTIVITY OF SOURCE 31 CURIE

SURVEY INSTRUMENT MODEL NO. GS2000

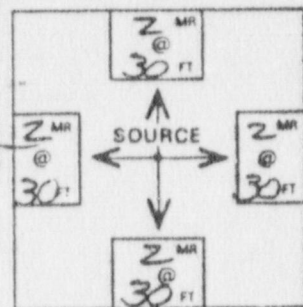
EXPOSURE DEVICE MODEL NO. SA-A2A S/N 359

S/N 503 VOID DATE 1-30-87

GAMA Center
RADIOGRAPHIC EQUIPMENT INSPECTED
IN ACCORDANCE WITH TIA, GANDE
PROCEDURE DAILY CHECK LIST.

INSPECTION COMPLETED BY Katant E Lockman

RESULT OF PHYSICAL SURVEY



BARRICADE EQUIPMENT

☒ SIGNS ☒ ROPE
☒ CONSTANT SURVEILLANCE
☒ COLLIMATOR

RECORD OF PHYSICAL SURVEY MADE TO DETERMINE
SOURCE IS IN SHIELDED POSITION PRIOR TO
SECURING EXPOSURE DEVICE

IR 192 4 MR/HR @ 6" FROM SURFACE

CO-60 _____ MR/HR @ SURFACE OF EXPOSURE DEVICE

TOTAL EXPOSURE TIME FOR THIS DAY _____ HRS 42 MIN

PERSONNEL INFORMED ALL IN AREA

RADIOGRAPHER ROBERT LOCKMAN RADIOGRAPHER'S ASSISTANT RANDY DENARDT

SERIAL NO. OF DOSIMETER 0478G AND 4814E

TOTAL MR RECORDED START 0 FINISH 8 MR AND START 0 FINISH 5 MR

FILM BADGE AND SERIAL NO. 5586 - 5301 AND 5586-1806

REMARKS _____

SURVEY OF TRANSPORTING VEHICLE

MR/HR @ DRIVER 0 MR/HR @ OUTSIDE SURFACE 0 MR/HR @ 1 FT FROM SURFACE 0

Testing Institute of Alaska, Inc.

UTILIZATION/RADIATION REPORT

WARNING — INTENTIONAL FAILURE TO RECORD INFORMATION ACCURATELY ON THIS FORM CAN RESULT IN A FINE AND/OR DISCIPLINARY ACTION.

DATE 1-8-87 Kenai, To Anch. STATE ALASKA
PROJECT Source Shipment & Receiving CUSTOMER U.S. I. A.

SOURCE OF RADIATION
IR-192 ☒ CO-60 ☐ X-RAY ☐
S/N 104.086 S/N _____ S/E _____

ACTIVITY OF SOURCE 31 CURIE
SURVEY INSTRUMENT 65-2000
MODEL NO. _____

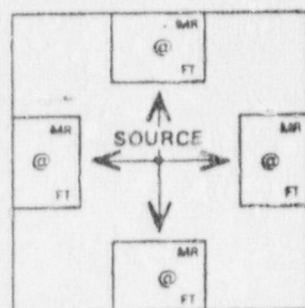
EXPOSURE DEVICE GC SA S/N 359
MODEL NO. _____

S/N 503 VORE 1-30-87
DATE _____

RADIOGRAPHIC EQUIPMENT INSPECTED
IN ACCORDANCE WITH TIA OANDE
PROCEDURE DAILY CHECK LIST.

[Signature]
INSPECTION COMPLETED BY _____

RESULT OF PHYSICAL SURVEY



BARRICADE EQUIPMENT

☐ SIGNS ☐ ROPE
☐ CONSTANT SURVEILLANCE
☐ _____

RECORD OF PHYSICAL SURVEY MADE TO DETERMINE
SOURCE IS IN SHIELDED POSITION PRIOR TO
SECURING EXPOSURE DEVICE
IR-192 4-8 MR/HR @ 6" FROM SURFACE
CD-60 _____ MR/HR @ SURFACE OF EXPOSURE DEVICE

TOTAL EXPOSURE TIME FOR THIS DAY 0 HRS 0 MIN

PERSONNEL INFORMED All Shipping Personnel

RADIOGRAPHER Robert Lockman ASSISTANT Randy Denardi

SERIAL NO. OF DOSIMETER 04786 AND 4814E

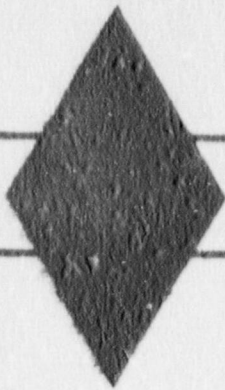
TOTAL MR RECORDED START ☐ FINISH ☒ MR AND START ☐ FINISH ☒ MR

TRIM BADGE AND SERIAL NO. 5586-5301 AND 5586-1806

REMARKS Source Shipped UA All Cargo
Aircraft - South Central Air - Receiving
Source 1-8-87

SURVEY OF TRANSPORTING VEHICLE

MR/HR @ DRIVER 0 MR/HR @ OUTSIDE SURFACE 0 MR/HR @ 1 FT FROM SURFACE 0



Gamma Industries, Inc.

2255 TED DUNHAM AVENUE • BATON ROUGE, LOUISIANA 70802 • 504-387-1707 • TELEX 586473

TESTING INSTITUTE OF ALASKA
2114 RAILROAD AVE.
ANCHORAGE, AK 99501

Gentlemen:

This is to advise analysis of wipe test swab(s) received by

US DATED
5-21-87, as follows:

IDENTIFICATION

CONTAMINATION

LEAK TEST ANALYSIS

UNKNOWN SOURCE, S/N 359 (DEVICE).....0059 GRAMS OF DEPLETED
URANIUM FOUND

GAMMA INDUSTRIES

By: J B Moore

Date: JUNE 26, 1987

Your Ref. No. _____

OF ALASKA, INC.
2114 Railroad Avenue
ANCHORAGE, ALASKA 99501

(907) 276-3440

TO Director
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555

LETTER OF TRANSMITTAL

DATE	1-28-87	JOB NO.
ATTENTION		
RE	Yearly Exposure Report 1986	
NRC License No. 50-17446-01		

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

- | | | | | |
|---|---------------------------------------|--|----------------------------------|---|
| <input type="checkbox"/> Shop drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples | <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input checked="" type="checkbox"/> Whole Body Exposures for Calendar Year 1986 Report | | |

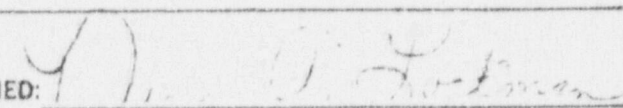
COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____ <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | | |

REMARKS _____

COPY TO _____

SIGNED: 

WHOLE BODY EXPOSURES FOR CALENDAR YEAR 19 86

Licensee Reporting (Name & Address)
 Testing Institute of Alaska, Inc.
 2114 Railroad Avenue
 Anchorage, AK 99501

NRC License No(s).

50-17446-01

☐ If personnel monitoring was not required to be provided to any individual during the year, checking this box will constitute a negative report indicating that such personnel monitoring was not required.

OTHERWISE, COMPLETE THE FOLLOWING TABLE:

Estimated Annual Whole Body Exposure
 Ranges* (Rems)

Number of Individuals
 in Each Range

No Measurable Exposure

Measurable Exposure Less Than 0.1

0.1 -- 0.25

5

0.25 -- 0.5

1

0.5 -- 0.75

0

0.75 -- 1

1

1 -- 2

2

2 -- 3

3 -- 4

4 -- 5

5 -- 6

6 -- 7

7 -- 8

8 -- 9

9 -- 10

10 -- 11

11 -- 12

>12

Total number of individuals reported 9

The above information is submitted for the total number of individuals for whom personnel monitoring was (check one):

☒ required under 10 CFR 20.202(a) or 10 CFR 34.33(a) during the calendar year.

☐ provided during the calendar year.

*Individual values exactly equal to the values separating exposure ranges shall be reported in the higher range.