

Bruce Williams Laboratories, Inc.

ENGINEERING FOUNDATIONS INSPECTIONS A N A L Y S E S S A M P L I N G CONSULTING R E S E A R C H

MAIN OFFICE AND LABORATORIES BOX 169 TELEPHONE 623-1556

ESTABLISHED '498

Joplin, Missouri

April 24, 1986

United States Nuclear Regulatory Commission Region III 799 Roosevelt Road Glen Ellyn, IL 60137

Attention: D.J. Sreniawski, Chief

Nuclear Materials Safety, Section 2

RE: License Inspection Findings

Conducted January 23 and 24, 1986

License No. 24-20009-01

Gentlemen:

This letter is in response to the inspection findings recorded on January 23 and 24, 1986, by Mr. Bill Reichhold of your office.

Finding #1:

On February 25, 1986, our personnel completed the device manufacturer's training course at our office in Joplin, Missouri. The course was presented by Mr. Jim Wandell, Central Branch Manager, Troxler Electronics Laboratories, Inc., Central Branch, 37635 N. Route 59, Lake Villa, Illinois, 60046, telephone 312-587-7273. This action is considered to have brought us into compliance.

Personnel completing course;
Anderson, Larry
Ellis, Karen
Maxwell, Jim
Tarnowieckyi, Siegfried
Trenberth, Kenneth
Warman, Michael
Warnke, John

Finding #2:

All personnel who are using the licensed material possess and use film badges as personnel monitoring devices. Find attached a copy of a current Radiation Exposure Report.

The Bruce Williams Laboratories

RE: License Inspection Findings

Conducted January 23 and 24, 1986

License No. 24-20009-01

Finding #3:

A request for a modification of the original license is being performed to reflect the three addresses where licensed materials may be stored;

620 Joplin Street Joplin, MO

614 Wall Street Joplin, MO

2332 A. E. Division Street Springfield, MO

Finding #4:

A system has been established where each sealed source containing licensed material will be tested for leakage at intervals of 6 months. Please find attached copies of the lastest leak test results.

Finding #5:

- a) Each sealed source containing licensed material when transported is accompanied by a shipping paper; an example is attached.
- b) Each sealed source containing licensed material when transported are transported in approved packages, and these packages area are blocked and braced so they cannot change position during transport.

Finding #6:

A physical inventory is being conducted every 6 months to account for all licensed material received and possessed under the license.

Very Truly Yours, BRUCE WILLIAMS CONSULTING ENGINEERS, INC.

Siegfried Tarnowieckye
Siegfried Tarnowieckye

Manager

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Radiation Exposure Report



ACCREDITED BY THE NATIONAL BUREAU OF STANDARDS THROUGH NYLAP

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21/2-	Leak Tes
Radionuclide: AH/86	Remova
Inst. Model: 2401	Beta Gamma
Inst. Serial: 3693 Date of Wipe: 2-25-P6	_O_ PCI
Individual's Name: Larry Auguston Telephone 417) 864-4734	Debou
PLEASE TYPE OR PRINT LEGIBLY -	Cert

st Analysis ble Activity Alpha

THIS IS YOUR RETURN ADDRESS LABEL

- Bruce Williams Laboratories
- P. U. Box 169
- Joplin, MO 64802

Troxler Electronic Laboratories, Inc., P.O. Box 12057, Research Triangle Park, N.C. 27709-919/549-8661. Telex 579474

Leak Test Analysis

Removable Activity Beta Gamma Alpha

Radionuclide: RA/BE Source Serial: R8-343 Inst. Model: 1401 Inst. Serial: 812 Date of Wipe: 2-25-86 Individual's Name: John WARUKE Telephone: (417) 864-4734

PLEASE TYPE OR PRINT LEGIBLY -THIS IS YOUR RETURN ADDRESS LABEL

- · BRUCE Williams Consulting Engineers
- . P.O. BOX 169
- · Joplin, Mo 64902

Troxler Electronic Laboratories, Inc., P.O. Box 12057. Research Triangle Park, N.C. 27709 919/549-8661. Telex 579474

NOTES

NOTES 1. Follow procedures as defined in

your leak test kit instructions.

2. Fill out this form and the bag label with required information where applicable. Seal the filter paper in the plastic bag. Place the plastic bag and this form in the pre-addressed envelope. 3. Removable activity will be reported in pCi. A value of "0" indicates less than .00005 µCi.

removed from service and re-

ports filed if removable activity

additional wipe be made if removable activity exceeds .0005

5. Due to the potential hazard, Troxler recommends that an

6. You will be notified by telephone collect if the test yields greater than .001 µCi removable activity.

is greater than .005 µCi.

HCi.

- Follow procedures as defined in your leak test kit instructions.
- 2. Fill out this form and the bag label with required information where applicable. Seal the filter paper in the plastic bag. Place the plastic bag and this form in the pre-addressed envelope.
- 3. Removable activity will be reported in uCi. A value of "0" indicates less than .00005 µCi.
- 4. Federal and state regulations require that sealed sources be removed from service and reports filed if removable activity is greater than .005 µCi.
- 5. Due to the potential hazard, Troxler recommends that an additional wipe be made if removable activity exceeds .0005 LCI.
- 6. You will be notified by telephone collect if the test yields greater than .001 µCi removable activity.

Radionuclide:	CE/AM/BE
Source Serial:	AC-4970
inst. Model:	2401
Inst. Serial:	3351
Date of Wipe: .	2-11-86
Individual's Na	me: L. ANDORSON
Telephone 41	1) 623-1556

PLEASE TYPE OR PRINT LEGIBLY -THIS IS YOUR RETURN ADDRESS LABEL Leak Test Analysis

Removable A	ctivity
Beta Gamma	Alpha
_ O uci	0_00
Deborat	Beasley
Certifica	tion /
Date: 3-19-	-86

Bruce Williams Consulting Engineers, Inc.

P.O. Box 169 Ionlin MO 64802 NOTES

 Follow procedures as defined in your leak test kit instructions.

2. Fill out this form and the bag label with required information where applicable. Seal the filter paper in the plastic bag. Place the plastic bag and this form in the pre-addressed envelope.

3. Removable activity will be reported in uCi. A value of "0" indicates less than .00005 µCi.

4. Federal and state regulations require that sealed sources be removed from service and reports filed if removable activity is greater than .005 µCi.

5. Due to the potential hazard, Troxler recommends that an



he Bruce Williams Laboratories, Inc.

ENGINEERING FOUNDATIONS INSPECTIONS ANALYSES SAMPLING CONSULTING

MAIN OFFICE AND LABORATORIES BOX 169 TELEPHONE 623-1556

ESTABLISHED 1898

LICENSED MATERIAL SHIPPER

Jeplon, Museuri

RADIOACTIVE MATERIAL SPECIAL FORM, N.O.S., UN 2974 TYPE A PACKAGE RADIOACTTIVE "YELLOW II" TRANSPORT INDEX 0.1

LICENSED MATERIAL DATA

Radionuclide: Source Serial: Inst. Model: Inst. Serial: Activity: Type of Radiation: Nuetron Output:

Shipped FROM: 614 Wall Street

Joplin, MO 64801

call 417-623-1556

Siegfried Tarnowieckyi

Shipped To:	Technician Carrier	Time	Date
	Carrier	Put IN	OUT IN

This shipping paper to accompany each source and to be carried on the front seat of the vehicle in a plastic container.