



## Testing Engineers & Consultants, Inc.

1333 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249  
(248) 588-6200 or (313) T-E-S-T-I-N-G  
Fax (248) 588-6232

January 16, 2002

Attention: Mr. Charles F. Gill  
Senior Health Physicist  
Materials Licensing Section  
U.S. Nuclear Regulatory Commission, Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

Dear Sir,

Testing Engineers & Consultants, Inc. (TEC) is pleased to provide the leak tests for the units returned to the Troy and Ann Arbor office from our Lansing and Lennon offices as requested.

All leak tests indicate no leakage.

If there are any questions or concerns, please call at your earliest convenience.

Respectfully submitted,

TESTING ENGINEERS & CONSULTANTS, INC.



Raymond C. Chyla  
Radiation Safety Officer

RCCC/rc

**Troxler Electronic Laboratories, Inc.**

3008 Cornwellis Rd., P.O.Box 12067  
Research Triangle Park, NC 27709  
Tel: (919) 549-8661 Fax: (919) 485-2250

License: NC 032-0182-1

**LEAK TEST CERTIFICATE****DEVICE:**

Model: 3411

Serial No: 14198

Sample Date: 11/01

**SEALED SOURCES:**

NUCLIDE	SERIAL NO.	INITIAL ACTIVITY (mCi)	CURRENT ACTIVITY (mCi)
CS-137	50 - 2809	8.0	5.6
AM-241:BE	47 - 9562	40.0	39.0

**LEAK TEST ANALYSIS:**

The sample has been analyzed using a counting system capable of measuring beta, gamma, and alpha contamination which was last calibrated on: 6/15/01

	ALPHA	BETA-GAMMA
Conversion factor (cpm/uCi)	4.77E+05	7.77E+05
Background measurement (cpm)	1	26
Sample measurement (cpm)	0	23
Activity (uCi)	< MDA	< MDA
Min. Detectable Activity (uCi)	1.5E-05	3.4E-05

This certifies that the above leak test results are:

☒ Less than 0.005 uCi (185 Bq)

☐ Greater than 0.005 uCi (185 Bq)

Measurement Date: 12/12/01

Certified by: Greg Welch

If greater than 0.005 uCi (185 Bq):

Person Notified \_\_\_\_\_

Date \_\_\_\_\_

Phone \_\_\_\_\_

and/or Fax \_\_\_\_\_

Rev. 11/2001



TROXLER ELECTRONIC LABORATORIES, INC.

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (919) 549-8661 Fax: (919) 549-0761

License: NC 032-0182-1

## LEAK TEST CERTIFICATE

### DEVICE:

Model: 3411

Serial No: 11762

Sample Date: 9-28-01

### SEALED SOURCES:

NUCLIDE	SERIAL NO.	INITIAL ACTIVITY (mCi)	CURRENT ACTIVITY (mCi)
CS-137	50 - 18	7.6	5.1
AM-241:BE	47 - 7014	40.0	38.9

### LEAK TEST ANALYSIS:

The sample has been analyzed using a counting system capable of measuring beta, gamma, and alpha contamination.

Date of last calibration: 6/15/01

	ALPHA	BETA-GAMMA
Conversion factor (cpm/uCi)	4.77E+05	7.77E+05
Background measurement (cpm)	1	23
Sample measurement (cpm)	0	24
Activity (uCi)	< MDA	< MDA
Min. Detectable Activity (uCi)	1.5E-05	3.2E-05

This certifies that the above leak test results are:

☒ Less than 0.005 uCi (185 Bq)

☐ Greater than 0.005 uCi (185 Bq)

Measurement Date: 10/19/01

Certified by:

*Greg Weiss*

If greater than 0.005 uCi (185 Bq):

Person Notified \_\_\_\_\_ Date \_\_\_\_\_

Phone \_\_\_\_\_ and/or Fax \_\_\_\_\_

Rev. 4/97

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O.Box 12057

Research Triangle Park, NC 27709

Tel: (919) 549-8661 Fax: (919) 549-0761

License: NC 032-0182-1

**LEAK TEST CERTIFICATE****DEVICE:**

Model: 3411

Serial No: 13322

Sample Date: 5-29-01**SEALED SOURCES:**

NUCLIDE	SERIAL NO.	INITIAL ACTIVITY (mCi)	CURRENT ACTIVITY (mCi)
CS-137	50 - 1713	8.0	5.6
AM-241:BE	47 - 8835	40.0	39.0

**LEAK TEST ANALYSIS:**

The sample has been analyzed using a counting system capable of measuring beta, gamma, and alpha contamination.

Date of last calibration: 12/15/00

	ALPHA	BETA-GAMMA
Conversion factor (cpm/uCi)	4.77E+05	7.61E+05
Background measurement (cpm)	0	24
Sample measurement (cpm)	0	23
Activity (uCi)	< MDA	< MDA
Min. Detectable Activity (uCi)	5.7E-06	3.4E-05

This certifies that the above leak test results are:

☒ Less than 0.005 uCi (185 Bq)☐ Greater than 0.005 uCi (185 Bq)

Measurement Date: 6/7/01

Certified by: Guy Wells

If greater than 0.005 uCi (185 Bq):

Person Notified \_\_\_\_\_

Date \_\_\_\_\_

Phone \_\_\_\_\_

and/or Fax \_\_\_\_\_

Rev. 4/97

OK  
HANSIN



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Fax (248) 588-6232

December 28, 2001

HA  
030-14016

Mr. Charles F. Gill  
Senior Health Physicist  
Materials Licensing Section  
U.S. Nuclear Regulatory Commission, Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

Re: License No. 21-18668-01  
Amendment

Dear Sir,

Testing Engineers & Consultants, Inc. (TEC) would like to amend our license deleting our Lennon and GM Grand River Assembly locations. The gauges were relocated to our Ann Arbor and Troy offices. If there are any questions or concerns, please contact us at your earliest convenience.

Respectfully submitted,

TESTING ENGINEERS & CONSULTANTS, INC.

  
Raymond C. Chyla  
Radiation Safety Officer

RCCC/rc

310077

JAN 8 2002

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 03121  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20061130  
Fee Comments: \_\_\_\_\_  
Decom Fin Assur Req'd: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: TESTING ENGINEERS & CONSULTANTS, INC  
Received Date: 20020108  
Docket No: 3014016  
Control No.: 310077  
License No.: 21-18668-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: 0

3. COMMENTS

Signed D. A. Hersey  
Date 1-11-2002

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_\_\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_