



EMSI ENGINEERING INC.

9720 Capital Court, suite 400, Manassas, Virginia 20110 • (703) 257-0877 • Fax (703) 361-3798

Date: August 22, 2007

NMSB3

The Licensing Assistance Section
Region I
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

03031412

Subject: **License No.: 45-25079-01**

Mail Control Number: 140945

Dear sir/madam

In reference to our previous fax dated August 16, 2007 with the above control Number of change of address request, following are the serial numbers of the six Troxler 3440 gauges that we have:

- 30758
- 23892
- 21940
- 18506
- 34146
- 22154

Please find attached a copy of the latest leak test results for the above gauges.

If you have any questions or need any supporting documents regarding the above subject, please don't hesitate to call me.

Sincerely,
EMSI Engineering Inc.

Talal A. Hassan, Ph.D., P.E.
President

Attachments

- Six leak test results.

140945



Troxler Electronic Laboratories, Inc.

3008 Cornwallis Rd., P.O. Box 12057
 Research Triangle Park, NC 27709
 Tel: (877) 876-9537 Fax: (919) 485-2250
 License: NC 032-0182-1

ESSAM ELMESSIRY
 EMSI ENGINEERING, INC.
 6997 GATEWAY COURT
 MANASSAS, VA 20109

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 30758

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
750-5326	07/16/1999	CS-137	0.296	8
47-1975	11/01/1978	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 06/21/2007
 Sample analyzed on: 06/26/2007 at 11:22:00 AM
 Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	15
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the leak test results are:

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



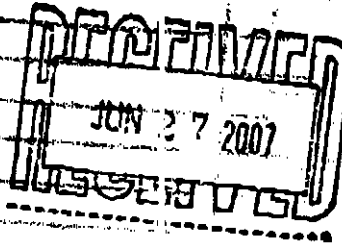
Troloxer Electronic Laboratories, Inc.

3008 Cornwallis Rd., P.O. Box 12057

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Tel: (877) 876-9537 Fax: (919) 485-2250

License: NC 032-0182-1



T. HASSOREN
EMSI ENGINEERING, INC.
6997 GATEWAY COURT
MANASSAS, VA 22109

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 23892

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
75-5860	07/13/1994	CS-137	0.296	8
47-19908	07/05/1994	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 06/20/2007
 Sample analyzed on: 06/25/2007 at 12:52:00 P.M.
 Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	22
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the leak test results are:

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

**Troxler Electronic Laboratories, Inc.**

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TAYSEER HASSANEIH
 EMSI ENGINEERING, INC.
 6997 GATEWAY COURT
 MANASSAS, VA 20109

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440

Serial No: 21940

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	nCi
47-17276	10/13/1992	AM-241:BE	1.48	40
75-3529	01/27/1993	CS-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 04/12/2007

Sample analyzed on: 04/24/2007 at 11:33:00 AM

Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	30
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the leak test results are:

 Less than 185 Bq (0.005 uCi)

 Greater than 185 Bq (0.005 uCi)



Troxler Electronic Laboratories, Inc.

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LEAK TEST CERTIFICATE

DEVICE:

Model: 9440 Serial No: 18506

SEALED SOURCES:

SERIAL NO.	MEASURE DATE	NUCLIDE	ACTIVITY	
			(GBq)	(mCi)
50-8058	2/10/1990	CS-137	0.296	3
47-13962	2/21/1990	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 04/09/2007

Sample analyzed on: 04/17/2007 at 11:07:00 AM

Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	23
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the above leak test results are:

- Less than 185 Bq (0.005 uCi) Greater than 185 Bq (0.005 uCi)

If greater than 185 Bq (0.005 uCi):

Person Notified _____ Date _____

Phone _____ and/or Fax _____



Troxler Electronic Laboratories, Inc.

3308 Cornwallis Rd., P.O. Box 12057
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ESSAM ELMESSIRY
EMSI ENGINEERING, INC.
6997 GATEWAY COURT
SUITE 400
MANASSAS, VA 20110

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 34146

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
77-1227	04/08/2003	CS-137	0.296	8
47-30086	11/30/2001	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 07/20/2007
Sample analyzed on: 08/20/2007 at 10:29:00 AM
Analyzed by: HARRY P. PENDLETON, JR

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.30E+01	2.03E+01
Background measurement (cpm)	0	22
Sample measurement (cpm)	0	27
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	4.4E-01	1.2E+00

This certifies that the leak test results are:

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



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MANASSAS, VA 20110

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 22154

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
75-3776	03/11/1993	CS-137	0.296	8
47-17514	12/03/1992	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 07/20/2007
Sample analyzed on: 08/20/2007 at 10:31:00 AM
Analyzed by: HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.30E+01	2.03E+01
Background measurement (cpm)	0	22
Sample measurement (cpm)	0	23
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	4.4E-01	1.2E+00

This certifies that the leak test results are:

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