

# McCALLUM

## TESTING LABORATORIES, INC.

Geotechnical Engineering, Materials Testing & Environmental Services  
February 28, 2007

Region I Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, PA 19406-1415

RE: Incident on 2/15/07 License #45-15325-01

Attn: Sattar Lodhi

Dear Mr. Lodhi:

This letter is a formal follow up for the incident on 2/15/07. The density gauge involved was a 3411B Troxler Serial #6957 with the sealed source.

(I.)

Serial No.	Nuclide	GBq	mCi
47-3275	AM-241:BE	1.48	40
40-4095	CS-137	0.296	8

(II.) On Thursday, February 15, 2007, Mr. Bradshaw was traveling to the office from a temporary job site, when a motorist stopped him and told him that he dropped something off his truck at Route 17 and Cedar Road in Chesapeake, VA. He realized the density gauge was missing and his tailgate was down. He immediately went back to that area. He did not see it, so he went to the Deep Creek Fire Department and found that a City of Chesapeake worker saw the gauge and took it to the fire department for Hazmat Inspection. He apparently failed to secure the gauge in the travel box and when he turned the corner, his tailgate came open and the gauge fell off. The incident happened at around 14:00 hours and the fire department had received it at around 14:20 hours.

(III.) All licensed material was accounted for.

(IV.) Based on our Trox Alert and the fire department Hazmat, there was no exposure to persons in unrestricted areas. The source rod was not compromised. A leak test performed on 2/15/07, was also taken. (see attached report)

(V.) No loss of licensed material

(VI.) I have met with each technician to cover requirements for handling and transporting of licensed material.

Should you have any questions concerning this report, please contact this office at your convenience.

Very Truly Yours,



Philip S. Berman  
Vice President

2007 MAR -2 PM 12:47

RECEIVED  
REGION I



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**LEAK TEST CERTIFICATE**

**DEVICE:**

Model: 3411                      Serial No: 6957

**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-3275	11/14/1979	AM-241:BE	1.48	40
40-4095	10/11/1979	CS-137	0.296	8

**LEAK TEST ANALYSIS:**

Sample collected on: 02/15/2007

Sample analyzed on: 02/22/2007 at 12:30:00 PM

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	28
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)**