

CTL Engineering, Inc.
2860 Fisher Road, P.O. Box 44548, Columbus, Ohio 43204
Phone: 614/276-8123 Fax: 614/276-6377



Consulting Engineers • Testing • Inspection Services • Analytical Laboratories

Established 1927

FAX TRANSMITTAL

DATE: 11/15/07

TO: USNRC

ATTENTION: LOREN HUNTER

REFERENCE: CAPTRAC No. 316475

FAX #: 630-515-1078

FROM: Jim Crowley

E-MAIL: JCROWLEY@CTLENG.COM

NUMBER OF PAGES FAXED INCLUDING THIS COVER PAGE: 12

COMMENTS: PLEASE FIND ENCLOSED REQUEST/INFORMATION
CALL IF YOU NEED ANY ADDITIONAL
THANK YOU FOR YOUR ASSISTANCE WITH THIS REQUEST.
Jim Crowley, CISO



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VISIT OUR INTERNET HOME PAGE!

<http://www.ctleng.com>

REACH US VIA E-MAIL.

CTL@ctleng.com

CTL Engineering Inc.
2860 Fisher Road, P.O. Box 44548, Columbus, Ohio 43204-3538
Phone: 614/276-8123 • Fax: 614/276-6377
e-mail: ctl@ctleng.com

AN EMPLOYEE OWNED COMPANY



Consulting Engineers • Testing • Inspection Services • Analytical Laboratories

Established 1927

November 15, 2007

U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road
Lisle, IL 60532-4352

Attention: Loren Hunter

Reference: Request for Amendment
License No. 34-183553 AM.10-Condition 10
Reply to FAX/Loren Hunter – Control No. 316475

Dear Loren Hunter:

The requested leak test copies for the gauges stored at 6848 Hillsdale Court, Indianapolis, IN are enclosed. Also enclosed are two gauges received directly to their current temporary jobsite storage location and a copy of our current inventory. The only radioactive material used under our License is sealed sources in our Nuclear Moisture-Density Gauges. CTL Engineering, Inc. has never had a gauge that tested as leaking in the history of the Company.

A close-out survey of the 6848 Hillsdale Court facility was conducted by our Assistant Radiation Safety Officer, Dan Westphal, consisting of a walk-through survey, visual examination of the gauges and shipping containers and record keeping immediately after the gauges were permanently removed from the facility. Leak test reports confirm that no radioactive contamination was present when we vacated the property.

We are presently located at our current address, with two gauges in temporary storage at the same jobsite location and have completed leak testing due November 8, 2007.

Please call if you require any further information.

Respectfully Submitted,

CTL ENGINEERING, INC.

James L. Crowley, CRSO

JLC/gm

Enclosures: Leak Tests and Inventory Record

INVENTORY AND LEAKAGE/CONTAMINATION TEST SCHEDULE - INDIANAPOLIS

Rev Date: 7-9-07

USNRC Materials License No. 34-18533-02

Leak testing will be performed in accordance with RPSO-1, paragraph 2.7 requirements.

Pg 1 of 1 Pgs

MANUFACTURER	GAUGE MODEL	OK	GAUGE SERIAL NO.	GAUGE NO.	SOURCE & SERIAL NO'S	SOURCE ACTIVITY	ASSAY DATE	LEAK TEST DATE	WIPE BY	TEST GROUP	DATE	REMARKS
CPN	MC-1DR-P		MD80604310	C-45	Cs 137 C04310 Am:Be 241A04310	16.0 mCi 50.0 mCi	1/8/98 7/21/97	6/11/07	DW	1	12/1/07	Indianapolis
CPN	MC-1DR-P		MD80604311	C-46	Cs 137 C04311 Am:Be 241 A04311	16.0 mCi 50.0 mCi	1/8/98 7/21/97	6/11/07	DW	1	12/1/07	Indianapolis
CPN	MC-1DR		MD70703786	C-31	Cs 137 C- 03786 Am241:Be A-03786	10.0 mCi 50.0 mCi	12/18/98 11/20/96	6/11/07	DW	1	12/1/07	Minford On loan to Indianapolis
CPN	MC-1DR		MD30601534	1534	Cs 137 C-01534 Am241:Be A-01534	10.0 mCi 50.0 mCi	3/1/93 1/29/93	6/11/07	DW	1	12/1/07	Received from LTS 3/1/07
CPN	MC-1DR		MD40502026	2026	Cs 137 C-02026 Am241:Be A-02026	10.0 mCi 50.0 mCi	3/1/93 1/29/93	6/11/07	DW	1	12/1/07	Received from LTS 3/1/07
CPN	MC-3		M300204857	4857	Cs 137 C-04857 Am241:Be A-04857	10.0 mCi 50.0 mCi	5/20/85 5/28/85	5/18/07	LTS	1	11/15/07	Received from LTS 5/22/07
TROXLER	3430		24481	4481	Cs 137 75-6535 Am241:Be 47-29800	8.0mCi 40 mCi	1/14/95 10/20/94	5/8/07	LTS	1	11/15/07	Received from LTS 5/28/07
TROXLER	3411B		T34115528	W-52	Cs 137 50-4489 Am241:Be 47-10923	8.0mCi 40 mCi	1/22/88 11/17/87	6/11/07	DW	2	12/1/07	Received from LTS On loan to Indianapolis

*Note: LTS gauges No.s 4857 and 4481 received and sent directly to temporary storage on jobsite/Airport project.
These gauges were not stored at our previous address and were not included in our close-out survey.

NRC FORM 386 (R11)
(2-2002)



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 Warranville Road, Suite 255
Lisle, Illinois 60532-4351

TELEFAX TRANSMITTAL

DATE: 11-15-07 NUMBER OF PAGES: 2
(including this page)

SEND TO: Tamara Crowley

LOCATION: CTL Engineering, Inc., Columbus, OH

FAX NUMBER: 614-276-6377 ☐ VERIFY BY CALLING SENDER

FROM: Loren Hunter
(SENDER)

TELEPHONE NUMBER: 630-829-9829 FAX NUMBER: 630-515-1078

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE Please call me right after you
have sent response by FAX to 630-515-1078

Thanks
L. Hunter

NOTICE

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone and return the original to the above address, by U.S. Mail. Thank you.

C-45

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

CTL ENGINEERING
DAN WESTPHAL
4343 SAGUARO TR
INDIANAPOLIS IN 46268

Model Number: MC1DRP

Serial Number: MD80604310

Isotope:	Cs-137	10	mCi
	Am-241	50	mCi
			mCi

Date of Test: 6/11/2007

The sample identified above was submitted for leak test analysis.

Analysis Date: 7/17/2007 Analysis Number: K15638

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed



Office of Radiation Safety
Calif. RM License No. 5634-07

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

CTL ENGINEERING

DAN WESTPHAL

4343 SAGUARO TR

INDIANAPOLIS IN 46268

Model Number: MC1DRP

Serial Number: MD80604311

Isotope:	Cs-137	10	mCi
	Am-241	50	mCi
			mCi

Date of Test: 6/11/2007

The sample identified above was submitted for leak test analysis.

Analysis Date: 7/17/2007 Analysis Number: K15640

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed



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Calif. RM License No. 5634-07

C-31

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2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

CTL ENGINEERING
DAN WESTPHAL
4343 SAGUARO TR
INDIANAPOLIS IN 46268

Model Number: MC1DR

Serial Number: MD70703786

Isotope:	Cs-137	10	mCi
	Am-241	50	mCi
			mCi

Date of Test: 6/11/2007

The sample identified above was submitted for leak test analysis.

Analysis Date: 7/17/2007 Analysis Number: K15639

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed



Office of Radiation Safety
Calif. RM License No. 5634-07

1534 / LTB

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

CTL ENGINEERING
DAN WESTPHAL
4343 SAGUARO TR
INDIANAPOLIS IN 46268

Model Number: MC-1DR

Serial Number: MD30601534

Isotope:	Cs-137	10	mCi
	Am-241	50	mCi
			mCi

Date of Test: 6/11/2007

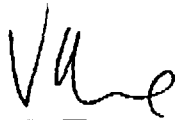
The sample identified above was submitted for leak test analysis.

Analysis Date: 7/17/2007 Analysis Number: K15641

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed


Office of Radiation Safety
Calif. RM License No. 5634-07

2026/LTS

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

CTL ENGINEERING
DAN WESTPHAL
4343 SAGUARO TR
INDIANAPOLIS IN 46268

Model Number: MC-1DR

Serial Number: MD40502026

Isotope:	Cs-137	10	mCi
	Am-241	50	mCi
			mCi

Date of Test: 6/11/2007

The sample identified above was submitted for leak test analysis.

Analysis Date: 7/17/2007 Analysis Number: K15642

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed



Office of Radiation Safety
Calif. RM License No. 5634-07



2016 N Palafox St. Pensacola, FL 32501-2145 P:850.433.8661 F:850.433.8663 email: labtechserv@bellsouth.net web: www.labts.com

Attention: Radiation Safety Officer

**CTL Engineering Inc.
Dan Westphal
6848 Hillsdale Ct.
Indianapolis, IN 46250**

Leak Test Certificate

Gauge Model: CPN MC Series
Sample Date: 18 May 2007

Gauge Serial Number: 4857
Sample Procedure by: D.Hevly

Sealed Source Isotope:	Activity:	Removable Contamination:
Cs-137 (gamma)	<10 mCi	< .005 μ Ci
Am-241 (alpha)	<50 mCi	< .005 μ Ci

This portable nuclear gauge displays no removable contamination and may remain in active service.

The next leak test is due: 18 May 2008

The analysis procedure was performed: 18 May 2007

The .001 μ Ci Cs-137 and Am-241 calibration check sources are NIST traceable.

The survey meter used to perform the analysis was calibrated on 10 January 2007.

Federal and Agreement State limits for removable contamination is 0.005 μ Ci (5.0×10^{-3} μ Ci).

Notice: The RSO or owner of the gauge that fails the leak test analysis will be alerted immediately by telephone, e-mail and or fax to remove the gauge from active service.

Certified by:

Duane Hevly

REC'D DIRECTLY AT
TEMP. STORAGE/AIRPORT
PROJECT JOB TRAILER
FACILITY -
244817 #4057



Laboratory Technical Services LLC

2016 N Palafox St. Pensacola, FL 32501-2145 P:850.433.8661 F:850.433.8663 email: labtechserv@bellsouth.net web: www.labts.com

Attention: Radiation Safety Officer

CTL Engineering Inc.
Dan Westphal
2860 Fisher Rd.
Columbus, OH 43204

Leak Test Certificate

Gauge Model: 3400 Series
Sample Date: 8 May, 2007

Gauge Serial Number: 24481
Sample Procedure by: D. Hevly

Sealed**Source****Isotope:**

Cs-137 (gamma)

Am-241 (alpha)

Source**Serial No.:**

75-6534

47-20600

Activity:

< 8 mCi

< 40 mCi

Removable**Contamination:**< .005 μ Ci< .005 μ Ci

This portable nuclear gauge displays no removable contamination and may remain in active service.

The next leak test is due: 8 November 2007

The analysis procedure was performed: 10 May 2007

The .001 μ Ci Cs-137 and Am-241 calibration check sources are NIST traceable.

The survey meter used to perform the analysis was calibrated on 10 January 2007.

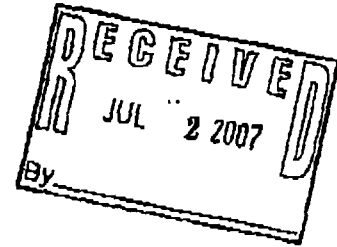
Federal and Agreement State limits for removable contamination is 0.005 μ Ci (5.0×10^{-3} μ Ci).

Notice: The RSO or owner of the gauge that fails the leak test analysis will be alerted immediately by telephone, e-mail and or fax to remove the gauge from active service.

Certified by:

Duane Hevly

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax



REPORT OF LEAK TEST

CTL ENGINEERING
BLAKE SIMPSON/KEVIN
102 COMMERCE RD PO BOX 44
WAPAKONETA OH 45895

Model Number: 3411B #8

Serial Number: T341 15528

Isotope:	Cs-137	8	mCi
	Am-241	40	mCi
			mCi

Date of Test: 6/5/2007


The sample identified above was submitted for leak test analysis.

Analysis Date: 6/22/2007 Analysis Number: K15259

Results: REMOVABLE
CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed


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