



L-1

**State of Vermont  
Highway Division**

Construction & Materials Bureau  
Material Testing, Certification & Geotechnical Engineering  
2178 Airport Road, Unit B  
Berlin, Vermont 05641-8628  
<http://vtrans.vermont.gov>

[phone] 802-828-2561  
[fax] 802-828-2792  
[ttd] 800-253-0191

**Agency of Transportation**

License No.: 44-14149-02  
Docket No.: 03032893  
Control No.: 592406

Scott Wilson, Health Physicist  
NRC Region I

Subject: Request for Additional Information: Amendment # 11 to the State of Vermont, Agency of Transportation, (VTrans), Materials License # 44-14149-02.

Please reply with a message acknowledging your receipt of the additional information.

Mr. Wilson,

I have attached the leak tests for the nuclear gauges, SN: 33642 & 33645, that have been stored at the following storage sites for VTrans. District #3, 122 State Place, Rutland, Vermont, and 235 Joshua Place, Rutland, Vermont. These gauges at these two storage facilities have only sealed sources and the results of the leak tests were negative for contamination.

*John E. Domey, RSO, 12/29/2016*

Sincerely,  
John Domey, RSO  
Construction & Materials Bureau  
Materials Testing & Certifications  
Independent Assurance Unit  
Office: 802-828-6914  
Work Mobile: 802-498-8258  
New Email address: [john.domey@vermont.gov](mailto:john.domey@vermont.gov)



592406  
NM09/RGN1 MATERIALS-002

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559

E-Mail address: kmobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics.

### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137/Am-241Be	Location:	V trans Berlin Mats. Lab
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	10/4/2016
Leak Test Specimen Number:	A-042210	Leak Test Analysis Date:	10/11/2016
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

Analysis of this leak test sample was provided by Applied Health Physics, LLC. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, LLC will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, LLC utilizes the following for leak test (wet-swab) analysis: Model: MARK V Leak Test Kit. Applied Health Physics, LLC utilizes the following instruments for all MARK V Leak Test analysis: Protean Instruments - ASC-950 ; Perkin Elmer - Tri-Carb 2800TR ; Ludlum Measurements - 2200 and Ludlum Measurements - 2929.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 4/4/2017

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: kmobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137/Am-241Be	Location:	V trans Berlin Mats. Lab
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	3/25/2016
Leak Test Specimen Number:	A-038964	Leak Test Analysis Date:	4/4/2016
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 $\mu$ Ci		

### Notification

Analysis of this leak test sample was provided by Applied Health Physics, LLC. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, LLC will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, LLC utilizes the following for leak test (wet-swab) analysis: Model: MARK V Leak Test Kit. Applied Health Physics, LLC utilizes the following instruments for all MARK V Leak Test analysis: Protean Instruments - ASC-950 - Serial#: 01216140; Perkin Elmer - Tri-Carb 2800TR - Serial#: 073408; Ludlum Measurements - 2200 - Serial#: 25404.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd. Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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Next LT Due 9/25/2016

# Applied Health Physics, LLC

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E-Mail address: kmobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137/Am-241Be	Location:	Vtrans Berlin Mats. Lab
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	10/2/2015
Leak Test Specimen Number:	A-044129	Leak Test Analysis Date:	10/8/2015
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

Analysis of this leak test sample was provided by Applied Health Physics, LLC. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, LLC will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, LLC utilizes the following for leak test (wet-swab) analysis: Model: MARK V Leak Test Kit. Applied Health Physics, LLC utilizes the following instruments for all MARK V Leak Test analysis: Protean Instruments - ASC-950 - Serial#: 01216140; Perkin Elmer - Tri-Carb 2800TR - Serial#: 073408; Ludlum Measurements - 2200 - Serial#: 25404.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd. Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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**Next LT Due 4/2/2016**

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: knobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Stall 3 Central Garage
Radioisotope:	Cs-137/Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	2/4/2015
Leak Test Specimen Number:	A-038767	Leak Test Analysis Date:	2/11/2015
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	<0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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Next LT Due 8/4/2015

# Applied Health Physics

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	SW Regional Lab
Radioisotope:	Cs-137/Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Dorney	Leak Test Performed on:	8/5/2014
Leak Test Specimen Number:	A-038714	Leak Test Analysis Date:	8/13/2014
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Dorney
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.dorney@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 2/5/2015

# Applied Health Physics

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
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## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Garage Stall 3
Radioisotope:	Cs-137/Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Dorney	Leak Test Performed on:	2/4/2014
Leak Test Specimen Number:	A-037691	Leak Test Analysis Date:	2/10/2014
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Dorney
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.dorney@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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Next LT Due 8/4/2014

# Applied Health Physics, Inc.

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## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	SW Regional Lab
Radioisotope:	Cs-137/Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Christopher Rea	Leak Test Performed on:	8/27/2013
Leak Test Specimen Number:	A-035250	Leak Test Analysis Date:	9/4/2013
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, Inc. utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
	Phone:	(802) 828-6923
1716 US Route 302	Contact:	FAX
	Phone:	(802) 828-2792
Berlin	VT	05602

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 2/27/2014

RECEIVED

SEP 12 2013

MATERIALS and  
RESEARCH SECTION



# Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137/Am-241Be	Location:	
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Christopher Rea	Leak Test Performed on:	2/7/2013
Leak Test Specimen Number:	A-032658	Leak Test Analysis Date:	2/18/2013
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, Inc. utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
Materials & Research Section	Phone:	(802) 828-6923
1 National Life Drive	Contact:	FAX
	Phone:	(802) 828-2792
Montpelier	VT	05633

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 8/7/2013

# Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

RECEIVED

JUN 27 2012

MATERIALS and  
RESEARCH SECTION

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33642	Source Serial Number:	750-9310 / 47-3676
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Lab
Radioisotope:	Cs-137/Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Chris Rea	Leak Test Performed on:	5/7/2012
Leak Test Specimen Number:	A-033822	Leak Test Analysis Date:	6/21/2012
Leak Test Analysis Performed by:	M. Lazzari		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
Materials & Research Section	Phone:	(802) 828-6923
1 National Life Drive	Contact:	FAX
	Phone:	(802) 828-2792
Montpelier	VT	05633

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 11/7/2012

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: knoble.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics.

### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137 / Am-241Be	Location:	SW Construction Mats. Lab
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	9/30/2016
Leak Test Specimen Number:	A-042262	Leak Test Analysis Date:	10/11/2016
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

Analysis of this leak test sample was provided by Applied Health Physics, LLC. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, LLC will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, LLC utilizes the following for leak test (wet-swab) analysis: Model: MARK V Leak Test Kit. Applied Health Physics, LLC utilizes the following instruments for all MARK V Leak Test analysis: Protean Instruments - ASC-950 ; Perkin Elmer - Tri-Carb 2800TR ; Ludlum Measurements - 2200 and Ludlum Measurements - 2929.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 3/30/2017

Wipe Date 3/29/16

LEAK TEST CERTIFICATE

DESCRIPTION OF DEVICE/SOURCE

Model 3430 Ser 33645  
SOURCE 1 SOURCE 2  
Material Cs 137 Am 241  
Source Ser 750-9313 47-4761  
RSO Name J. Domey  
Telephone ( )

Do Not Write In This Space  
For HSI Use Only

REMOVABLE ACTIVITY

Be/Gam Alpha  
0 uCi 0 uCi  
Humboldt Scientific  
By John Domey  
Date 3/29/16

Instructions

- 1 Use wipe procedures as described in the device manual.
- 2 Enter all information under description.
- 3 Print or type return address in the space provided.
- 4 Wipe source (s) and put filter paper in the plastic bag.
- 5 Keep the middle copy and mail this form and bag to Humboldt.
- 6 Regulations require that sources with removable activity greater than 0.005 uCi be removed from service for repair and decontamination or disposal. Authorities must be notified.

5200174  
Return  
Address  
Label  
Please  
Type or  
Print  
Clearly

- VT DOT  
- John Domey  
- 2178 Airport Rd Unit B  
- Berlin, VT 05641

HUMBOLDT SCIENTIFIC INC. 2525 Atlantic Ave., Raleigh, NC 27604, (919) 832-3190

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559

E-Mail address: knobley.ahp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137 / Am-241Be	Location:	SW Construction Mats. Lab
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	9/28/2015
Leak Test Specimen Number:	A-039750	Leak Test Analysis Date:	10/8/2015
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

Analysis of this leak test sample was provided by Applied Health Physics, LLC. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, LLC will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, LLC utilizes the following for leak test (wet-swab) analysis: Model: MARK V Leak Test Kit. Applied Health Physics, LLC utilizes the following instruments for all MARK V Leak Test analysis: Protean Instruments - ASC-950 - Serial#: 01216140; Perkin Elmer - Tri-Carb 2800TR - Serial#: 073408; Ludlum Measurements - 2200 - Serial#: 25404.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd. Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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Next LT Due 3/28/2016

# Applied Health Physics, LLC

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: kinobley.alp@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
Radioisotope:	Cs-137 / Am-241Be	Location:	Stall 3 Central Garage
		Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Donoy	Leak Test Performed on:	2/4/2015
Leak Test Specimen Number:	A-039754	Leak Test Analysis Date:	2/11/2015
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument; Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Donoy
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.donoy@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

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Next LT Due 8/4/2015

# Applied Health Physics

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AUG 28 2014

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	SW Regional Lab
Radioisotope:	Cs-137 / Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	8/8/2014
Leak Test Specimen Number:	A-037630	Leak Test Analysis Date:	8/13/2014
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 2/8/2015

# Applied Health Physics

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

This certificate shall not be reproduced except in full, without the written approval of Applied Health Physics.

### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Garage Stall 3
Radioisotope:	Cs-137 / Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	John Domey	Leak Test Performed on:	2/4/2014
Leak Test Specimen Number:	A-037651	Leak Test Analysis Date:	2/10/2014
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	John Domey
2178 Airport Rd Unit B	Phone:	(802) 828-6914
Materials & Research Section	Contact:	john.domey@state.vt.us
	Phone:	(802) 828-2792
Berlin	VT	05641

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 8/4/2014



# Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Storage
Radioisotope:	Cs-137 / Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Christopher Rea	Leak Test Performed on:	8/22/2013
Leak Test Specimen Number:	A-035102	Leak Test Analysis Date:	9/4/2013
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, Inc. utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
	Phone:	(802) 828-6923
1716 US Route 302	Contact:	FAX
	Phone:	(802) 828-2792
Berlin	VT	05602

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 2/22/2014

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# Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Storage
Radioisotope:	Cs-137 / Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Christopher Rea	Leak Test Performed on:	12/20/2012
Leak Test Specimen Number:	A-032606	Leak Test Analysis Date:	2/18/2013
Leak Test Analysis Performed by:	L. McAllister		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency. Applied Health Physics, Inc. utilized the following for leak test analysis: Sample model: MARK V Leak Test Kit for wet swab analysis. Leak test analysis instrument: Manufacturer - Protean Instruments Model ASC950 serial number 01216140.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
Materials & Research Section	Phone:	(802) 828-6923
1 National Life Drive	Contact:	FAX
	Phone:	(802) 828-2792
Montpelier	VT	05633

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 6/20/2013

# Applied Health Physics, Inc.

2986 Industrial Blvd., Bethel Park, Pa 15102 Phone: (412) 835-9555 Fax: (412) 835-9559  
E-Mail address: ahp.inc@comcast.net - Web Page address: WWW.APPLIEDHEALTHPHYSICS.COM

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MATERIALS and  
RESEARCH SECTION

## Mark V Leak Test Certificate

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### Device Information

Device Serial Number:	33645	Source Serial Number:	750-9313 / 47-4761
Device Manufacturer:	Troxler	Source Manufacturer:	Troxler
Device Model:	3430	Source Model:	3430
Device Type:	Gauge	Make:	Moisture Density
		Location:	Central Lab
Radioisotope:	Cs-137 / Am-241Be	Activity:	8 mCi / 40 mCi

### Leak Test Information

Leak Test Performed by:	Chris Rea	Leak Test Performed on:	5/7/2012
Leak Test Specimen Number:	A-033910	Leak Test Analysis Date:	6/21/2012
Leak Test Analysis Performed by:	M. Lazzari		
Leak Test Results Indicate an Activity of:	< 0.005 uCi		

### Notification

The analysis of this leak test sample was provided by Applied Health Physics, Inc. Pennsylvania Department of Environmental Protection License Number PA-0228A. In the event this specimen indicates leakage and or contamination in excess of 0.005 microcuries, Applied Health Physics, Inc. will notify you promptly by telephone; at such time you will need to take the appropriate actions required by the governing regulatory agency.

### Client Information

State of Vermont Agency of Transportation	Contact:	Christopher Rea
Materials & Research Section	Phone:	(802) 828-6923
1 National Life Drive	Contact:	FAX
	Phone:	(802) 828-2792
Montpelier	VT	05633

This certificate is an essential record and should be maintained for inspection by the regulatory agency.

Next LT Due 11/7/2012