

Hill, Carol

From: Simmons, Michelle
Sent: Friday, March 08, 2019 3:09 PM
To: Hill, Carol
Subject: FW: Re: Re: Boesh Engineering and Testing Renewal Application: Additional Information Required
Attachments: 1840 Relinquishment.PDF; Nuc Guage Leak Tests 1-15-2019.pdf

Carol,

Please add this to ADAMS. Thank you.

Docket: 030-34775
License: 25-27592-01
Control: 610273

From: Nate Boeshans [mailto:n.boeshans@boesh.com]
Sent: Tuesday, March 05, 2019 2:25 PM
To: Simmons, Michelle <Michelle.Simmons@nrc.gov>
Subject: [External_Sender] Re: Re: Boesh Engineering and Testing Renewal Application: Additional Information Required

Hi Michelle,

Here is the additional information you requested. We would like to leave license as is for 14 Humboldt gauges. Yes, we did dispose of the Troxler.

Thanks,

Nate

On Wed, Feb 27, 2019 at 1:06 PM Simmons, Michelle <Michelle.Simmons@nrc.gov> wrote:

Mr. Boeshans,

I apologized for the not responding to you sooner. I'm reviewing the information you submitted. Currently, you are authorized for 14 Humboldt 5001 portable gauges. In your application, you indicated that you would like to have authorization for 10. Do you want the NRC to lower your possession limit or would like to keep it as is?

Also, did you dispose of the Troxler gauge? If so, please submit the documentation showing the disposal (transfer and receipt documentation), along with the most recent leak test results.

Thanks

From: Nate Boeshans [mailto:n.boeshans@boesh.com]
Sent: Friday, February 15, 2019 9:30 AM

To: Simmons, Michelle <Michelle.Simmons@nrc.gov>

Subject: [External_Sender] Re: Boesh Engineering and Testing Renewal Application: Additional Information Required

Hi Michelle,

I wanted to touch base with you and make sure you received our information.

Thanks,

Nate

On Fri, Feb 8, 2019 at 12:18 PM Nate Boeshans <n.boeshans@boesh.com> wrote:

Hi Michelle,

Here is the additional information you requested. Please let me know if this is sufficient.

Thanks,

Nate

On Tue, Feb 5, 2019 at 3:09 PM Simmons, Michelle <Michelle.Simmons@nrc.gov> wrote:

Good Afternoon,

This email is in reference to your renewal application dated October 15, 2018. In order to continue our review, additional information is required. Please complete the attached checklist and submit it to the NRC. Include a diagram of your facility.

Please provide this information by February 21, 2019. Please reference mail control number 610273 in your response. Your response should be on letterhead, sign and dated. You may submit your response by email as a pdf. attachment. If you have any questions, please feel free to send me an e-mail or call me at 817-200-1590.

Thank you for your cooperation.

Sincerely,

Michelle Simmons, Health Physicist
Materials Licensing and Inspection Branch

Docket: 030-34775

License: 25-27592-01

Control: 610273

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Please give me a call, email or text with any questions.

Thanks,

Nathan P. Boeshans, P.E.

Boesh Engineering and Testing
1213 Elkhorn Drive
Laurel, Montana 59044



3998 Commerce Circle
 (208) 523-5557
 www.qaltek.com

Idaho Falls, Idaho 83401
 Fax (208) 524-8470

Radioactive Source Relinquishment of Ownership

CUSTOMER & LICENSE INFORMATION

Contact: <u>Nathan P. Boeshans</u>	ATS#: <u>2016:7872</u>
Phone: <u>406-628-8496</u>	Fax: <u>406-628-4872</u>
License #: <u>25-27592-01</u>	Expiration Date: <u>2018-10-31</u>
Company: <u>Boesh Engineering & Testing, PLLC</u>	
<u>1213 Elkhorn Drive</u>	
<u>Laurel, MT 59044 USA</u>	

GAUGE/DEVICE/LICENSED MATERIAL INFORMATION

Device/Inst.			Source			Assay		Assay
Mfr.	Model	Serial	Mfr.	Model	Serial	Isotope	Activity (mCi)	Date
Troxler	3241C	1840			607315	Am-241/Be	300	3/25/1982

Services Needed: Reutilization/Disposal Leak Test Other _____

AUTHORIZATION

Permanent ownership of above listed Licensed Material is hereby granted to: Qal-Tek Associates, NRC License # 11-27610-01

<u>Nathan P. Boeshans</u>	<u>3/2/2016</u>	<u>Nickel Altman</u>	<u>3/1/2016</u>
Source Owner	Date	Qal-Tek Representative Received by	Date

Do not forget to attach the correct shipping paperwork when shipping or transporting Radioactive Material!



www.qaltek.com
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 Fax: 512 407-9831

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Fax: 208 524-8470

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 Ph: 480 304-5199
 Fax: 480 966-9495

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120918
 Accl#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: 1213 Elkhorn Drive
 City/ST/Zip: Laurel , MT 59044
 Phone: 406-628-8496 Fax: 406-628-4872
 Serial Number: **267** Mfg: Humboldt Model: 5001P
 Leak Test Date: 15-Jan-2019

Leak Test Due Date: 15-Jul-2019

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
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Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	0	0	0	Pass
Cs137		10 mCi		0	0	0	0	Pass

Comments

Instrument Technician: Rhett Egan
 Date of Service: 15-Jan-2019

Qal-Tek Associates certifies that all leak test measurements are performed in accordance with NRC licensee requirements for isotopic detection limits. For this purpose the MDA is below the NRC regulatory limits of <0.005 uCi



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 Mesa, AZ 85203
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 Fax: 480 966-9495

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120919
 Acct#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: **1213 Elkhorn Drive**
 City/St/Zip: **Laurel, MT 59044**
 Phone: **406-628-8496** Fax: **406-628-4872**
 Serial Number: **335** Mfg: **Humboldt** Model: **5001EZ**
 Leak Test Date: **15-Jan-2019**

Leak Test Due Date: **15-Jul-2019**

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
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Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	0	0	0	Pass
Cs137		10 mCi		0	0	0	0	Pass

Comments

Instrument Technician: Rhett Egan
 Date of Service: 15-Jan-2019

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SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120920
 Acct#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: 1213 Elkhorn Drive
 City/St/Zip: Laurel , MT 59044
 Phone: 406-628-8496 Fax: 406-628-4872
 Serial Number: **1225** Mfg: Humboldt Model: 5001EZ
 Leak Test Date: 15-Jan-2019

Leak Test Due Date: 15-Jul-2019

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
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Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	0	0	0	Pass
Cs137		10 mCi		0	0	0	0	Pass

Comments

Instrument Technician: Rhett Egan
 Date of Service: 15-Jan-2019

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SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120921
 Acct#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: 1213 Elkhorn Drive
 City/St/Zip: Laurel, MT 59044
 Phone: 406-628-8496 Fax: 406-628-4872
 Serial Number: **588** Mfg: Humboldt Model: 5001EZ
 Leak Test Date: 15-Jan-2019

Leak Test Due Date: 15-Jul-2019

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
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Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	0	0	0	Pass
Cs137		10 mCi		0	0	0	0	Pass

Comments

Instrument Technician: Rhett Egan
 Date of Service: 15-Jan-2019

Qal-Tek Associates certifies that all leak test measurements are performed in accordance with NRC licensee requirements for isotopic detection limits. For this purpose the MDA is below the NRC regulatory limits of <0.005 uCi



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 Fax: 480 966-9495

SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120922
 Acct#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: **1213 Elkhorn Drive**
 City/St/Zip: **Laurel , MT 59044**
 Phone: **406-628-8496**

Fax: **406-628-4872**

Serial Number: **673**

Mfg: **Humboldt**

Model: **5001EZ**

Leak Test Date: **15-Jan-2019**

Leak Test Due Date: **15-Jul-2019**

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
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Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	8	0	0.000027	Pass
Cs137		10 mCi		0	8	0	0.000027	Pass

Comments

Instrument Technician: Rhett Egan

Date of Service: 15-Jan-2019

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SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Ref#: W26628-120928
 Acct#: 2811

Company: **Boesh Engineering & Testing, PLLC**
 Street: **1213 Elkhorn Drive**
 City/St/Zip: **Laurel, MT 59044**
 Phone: **406-628-8496** Fax: **406-628-4872**
 Serial Number: **9202** Mfg: **Humboldt** Model: **5001EZ**
 Leak Test Date: **15-Jan-2019**

Leak Test Due Date: **15-Jan-2020**

Test Instrument

Test Instrument	Ludlum : 2360 : 220261
-----------------	------------------------

Test Instrument Info

MDA	less than 0.005 uCi
alpha efficiency	11.71
beta efficiency	13.54
Det. Type	ZnS (Ag)
Last Cal. Date	02-Oct-2018

Test Results

Isotope	Source SN	Activity (mCi)	Assay Date	net alpha CPM	net b/Y CPM	alpha µCi	b/Y µCi	Pass/Fail
Am241		40 mCi		0	0	0	0	Pass
Cs137		10 mCi		0	0	0	0	Pass

Comments

Instrument Technician: Rhett Egan
 Date of Service: 15-Jan-2019

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