UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

EMAIL

Name:	Rex Hoy	License: 25-11498-01 Docket: 030-05179
Organization:	State of Montana Department of Transportation	Control: 591543
Phone:	406-444-6270	
E-mail Address:	rhoy@mt.gov	
From:	Casey C. Alldredge	
Date:	October 6, 2016	
Subject:	Application dated July 21, 2016 for License Amendment	
Pages:	2	

Mr. Hoy:

Per your letter application dated July 21, 2016 for your license amendment, the item on the next page is a deficiency which requires your response. **Please respond in a signed and dated letter to this e-mail by Thursday October 19, 2016.** Our fax number is (817) 200-1188. You may respond by e-mail with the letter in pdf format if you'd like. My email address is casey.alldredge@nrc.gov. When responding to this e-mail, please include the license, docket and control numbers located at the top of this page.

Thanking you in advance for your cooperation, assistance, and prompt response in this matter.

Casey C. Alldredge
Health Physicist

PUBLIC
☐ Immediate Release
☑ Normal Release

NON-PUBLIC
☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other:

Reviewer: MDH Date: 10/24/16

serving you with pride

Materials Bureau

Fax Cover Sheet Page 1 of 11

TO: Casey C. Alldredge
Contact: NRC
Fax #(817) 200-1188

Subject/Comments:

From the Desk of: Rex G. Hoy

Phone: (406) 444-6270
Fax: (406) 444-6204
Office: (406) 444-6300

Montana Department of Transportation
2701 Prospect Avenue
P.O. Box 201001
Helena, MT 59620-1001

MDT Montana Department of Transportation
2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Michael T. Tooley, Director
Steve Bullock, Governor

October 11, 2016

U.S. Nuclear Regulatory Commission
ATTN: Casey C. Alldredge

Subject: AMENDMENT to Change MDT's Bozeman Address

License: 25-11498-01
Docket: 030-05179
Control: 591543

Mr. Alldredge:

This is the response to your request for additional information concerning Montana Department of Transportation's request to change the address of our Bozeman Area gauge storage site.

The gauges that are assigned to the Bozeman Area are all Troxler model 3440 gauges. Their Serial Numbers are: 25323, 30549, 30551, 30552, 32244, 32295, 36159, 65025 and 69483.

Included with this letter are the results of the latest leak tests for these gauges.

Thank you and if you have any questions please contact me at the phone number or email address listed below.

Rex G. Hoy 10/11/16

Rex G. Hoy
Radiation Safety Officer
Montana Department of Transportation
(406)444-6270 or rhoy@mt.gov

LETNRC2.16

Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	25323

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
75-8154	05/15/1995	Cs-137	0.30	8
47-21602	04/18/1995	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/09/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000007	-0.000026

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hoy Date: 6/9/16

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	30549

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
750-5089	05/12/1999	Cs-137	0.30	8
47-27645	09/03/1998	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/10/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000009	-0.000035

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex A. Hoy Date: 6/10/16.

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	30551

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
750-5091	05/12/1999	Cs-137	0.30	8
47-27647	09/03/1998	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 06/02/2016

Analysis Date: 06/10/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000002	-0.000009

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hoy Date: 6/10/16

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	30552

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
750-5092	05/12/1999	Cs-137	0.30	8
47-27648	09/03/1998	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/10/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	0.000004	0.000014

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Ron D. Hoy Date: 6/10/16 .

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	32244

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
750-7384	09/13/2000	Cs-137	0.30	8
47-28566	02/05/1999	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/13/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	0.000000	0.000001

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex A. Hoy Date: 6/13/16

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	32295

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
750-7452	09/13/2000	Cs-137	0.30	8
47-28572	02/05/1999	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/13/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	0.000011	0.000042

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hoy Date: 6/13/16

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	36159

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
77-3294	11/08/2004	Cs-137	0.30	8
47-28572	10/13/2004	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/14/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000010	-0.000039

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hoy Date: 6/14/16.

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	65025

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
77-10746	06/13/2011	Cs-137	0.30	8
78-6885	04/11/2011	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/14/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000012	-0.000044

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hay Date: 6/14/16 .

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Montana Department of Transportation
Nuclear Measurements Section

Certification of Leak Test

GAUGE:

Model No.	Serial No.
3440	69483

SEALED SOURCES:

Serial No.	Measure Date:	Nuclide:	(GBq)	(mCi)
77-13729	07/24/2014	Cs-137	0.30	8
78-9470	08/13/2014	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Wipe Test Date: 05/31/2016

Analysis Date: 06/14/2016

	ALPHA	BETA-GAMMA
Min Detectable Activity (Ci)	-0.000001	-0.000003

This certifies that the above samples were measured on the stated date using an approved monitoring method that measures both alpha and beta/gamma contamination and that the results of this analysis showed the removable activity to be less than 185becquerels or 0.005 micro curies.

MDT Radiation Safety Officer: Rex D. Hoy Date: 6/14/16

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Alldredge, Casey

From: Alldredge, Casey
Sent: Thursday, October 06, 2016 11:32 AM
To: 'rhoy@mt.gov'
Subject: NRC License Amendment
Attachments: Mt DOT Request for Info.pdf

Good morning Mr. Hoy,
Please see the attached document with a request for more information regarding your recent NRC license amendment request. If you have any questions or concerns, please let me know.
Thanks,

Casey Alldredge
Health Physicist
USNRC Region IV
(817)200-1547