

Craffey, Ryan

From: Jon Brown <jon.brown@mcdowasc.com>
Sent: Wednesday, May 13, 2020 7:21 AM
To: Craffey, Ryan
Subject: [External_Sender] RE: NRC Inspection Information
Attachments: 2020 Leak Test.pdf

Good morning Ryan,

John Kalisz asked me to reply to your e-mail.

Regarding the audit, it will occur along with the second leak testing in July/ August. John Kalisz will call you to discuss the audit later.

Regarding the more recent leak test you inquired about, a copy of the XRF is attached for the leak test performed on 1/27/20.

If you have any questions, John Kalisz can be contacted in the office at (248) 399-2066 or via e-mail at John.Kalisz@mcdowasc.com

Have a nice day.

From: Craffey, Ryan [mailto:Ryan.Craffey@nrc.gov]
Sent: Tuesday, May 12, 2020 3:08 PM
To: Jon Brown
Cc: John Kalisz
Subject: RE: NRC Inspection Information

Hi Jon,

Thank you for the additional information!

John,

Inventories and hazmat training look good. Two more questions:

- What's the plan for completing the audit that Jon attached?
- Is there a more recent leak test for the XRF (nuke #44)?

Thanks!

Ryan Craffey
Health Physicist
US Nuclear Regulatory Commission
Materials Inspection Branch, Region III
(630) 829-9655

From: Jon Brown <jon.brown@mcdowasc.com>
Sent: Monday, May 11, 2020 2:00 PM

To: Craffey, Ryan <Ryan.Craffey@nrc.gov>

Subject: [External_Sender] NRC Inspection Information

Good afternoon,

On behalf of John Kalisz with McDowell & Associates, I have attached a copy of the requested NRC inspection information.

If you have any questions, John Kalisz can be contacted in the office at (248) 399-2066 or via e-mail at John.Kalisz@mcdowasc.com

Have a nice day.

MCDOWELL AND ASSOCIATES

Nuke List

Nuke #	Model #	Serial #	Calibrated	Leak Test	PURCHASED	OFFICE	PHYSICAL INVENTORY	CURRENT USER	HAZMAT EXPIRES
14	3430	28599	1/23/2020	1/9/2020	12/16/1998	FERNDALE	CHECKED - JKIII - 01/24/20	KYLE MULDER	2021
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31	3440	37682	3/11/2020	2/21/2020	5/25/2006	FERNDALE	CHECKED - JKIII - 02/10/20	CLOSET	
32	3440	37659	4/30/2020	3/26/2020	5/25/2006	FERNDALE	CHECKED - JKIII - 02/27/20	CLOSET	
33	3440	37683	3/11/2020	2/21/2020	5/25/2006	FERNDALE	CHECKED - JKIII - 02/10/20	CHUCK VINCE	2023
34	3500	2434	3/11/2020	2/21/2020	6/28/2016	FERNDALE	CHECKED - JKIII - 02/07/20	ADRIENNE SHARY	2021
35	3500	2435	3/10/2020	2/21/2020	6/28/2016	FERNDALE	CHECKED - JKIII - 02/10/20	LANGFORD BROWN	2023
36	3500	2436	2/7/2020	1/24/2020	6/28/2016	FERNDALE	CHECKED - JKIII - 02/07/20	JOHN HARDYWAY	2023
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41	3500	2441	2/18/2020	1/24/2020	6/28/2016	FERNDALE	CHECKED - JKIII - 02/21/20	REBECCA CONN	2023
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Radiation Safety Officer:

JKIII - JOHN KALISZ III

Next Inventory/Leak Test Scheduled: 7/20/2020

	IN CLOSET
	MIDLAND HAS NUKE
	BROKEN
	NEEDS LEAK TESTS DONE
	CALIBRATION REQUIRED
	IN GRAND RAPIDS FOR REPAIRS/CALIBRATION

INSTROTEK, INC.

4495 44TH ST. SE, SUITE A
GRAND RAPIDS, MI 49512

ADDITIONAL USERS	HAZMAT EXPIRES
JOHN KALISZ III	2023
IHSAN ALJAWAHERI	2023
BRIAN BIAUSTTO	2023
LORAN STENZEL	2023
MATT SHANNON	2022
BEN STENZEL	2021
LEAH SULLIVAN	2022
LUKE TRESNAK	2022

**RADIATION PROTECTION PROGRAM AND PORTABLE GAUGE
AUDIT CHECKLIST**

Licensee: McDowell & Associates
Date of Audit: _____

License No.: _____
Date of Last Audit: _____

Auditor Signature	Auditor Printed Name	Date
RSO Signature	RSO Printed Name	Date

1. Audit History

a. Any deficiencies identified in the previous audit?

b. Corrective actions taken:

2. Organization

a. Have the places of use and/or storage or mailing address changed since the last audit? If yes, was the license amended?

b. Were there any other changes that would require the amending of the license? i.e. change of ownership or Radiation Safety Officer, filing of bankruptcy, etc.

c. Are there copies or access to Sealed Source and Devices registration certifications available?

d. Are there copies of the manufacturer's manuals for operation and maintenance available?

- e. Are the locations of use and actual uses of the gauges consistent with the license and Sealed Source and Devices registration certifications?

- f. Is the current inventory of material below the possession limits listed on the license?

3. Training and Instruction to Workers

- a. Is each gauge operator trained in accordance to with license requirements and are records of this training and any refresher training maintained?

- b. Were all gauge users interviewed to ensure that they know proper operating, emergency, and security procedures?

- c. Does each gauge user have current (within the past three years) U.S. Department of Transportation Hazardous Materials training?

4. Radiation Survey Instruments

- a. Does the survey meter meet NRC requirements? [10 CFR 20.2103(a)]

5. Gauge Inventory

- a. Is a record kept showing the receipt of each gauge?

- b. Are all gauges physically inventoried every 6 months and are appropriate records of such inventories maintained?

6. Personnel Radiation Protection

- a. Are considerations for keeping doses as low as is reasonably achievable (ALARA) incorporated into the Radiation Safety Program?

- b. Regarding the approved NVLAP dosimetry supplied to all gauge users, are the dosimeters exchanged at the appropriate frequencies? Are all reports reviewed by the RSO when they are received and filed appropriately?

c. Are there declared pregnant workers? If yes, are the proper dose and records being maintained?

d. Are records of exposures, surveys, monitoring, and evaluations maintained?

7. Public Dose

a. Are the gauges stored in a manner to keep doses to members of the public below 1 millisievert (100 mrem) in a year? [10 CFR 20.1301(a)(1)]

b. Are gauges being stored in a manner that would prevent unauthorized use or removal?

8. Operating, Emergency, and Security Procedures

a. Have any operating, emergency, or security procedures changed since the last audit? If yes, list below.

b. Does each operator have current copies of the operating, emergency, and security procedures, including current emergency telephone numbers?

c. Did any emergencies occur? If yes, were they handled properly and were appropriate corrective actions take?

d. Were the gauges properly controlled or secured during storage or use? Are the gauges in storage being secured with two independent physical controls?

9. Leak Tests

- a. Were sealed source leak tests performed as the license required, every 6 months?

- b. Are records of leak test results retained with all the required information included?

- c. Were any sources found to be leaking? If yes, was the NRC notified?

10. Maintenance of Gauges

- a. Are manufacturer's procedures followed for routine cleaning and lubrication of the gauge?

- b. Are all the required warning labels, signs, and postings identifying gauges containing radioactive material and radiation areas clean and legible?

- c. Was any nonroutine maintenance involving the removal of the source or source rod performed according to license requirements?

11. Transportation

- a. Were USDOT-7A authorized packages used and are the records on these packages maintained?

- b. Were the packages properly marked, closed, sealed, and secured against movement during transport and storage?

- c. Were shipping papers prepared with the correct information and used? If yes, were the shipping papers within arms reach of the driver during transport?

- d. Were any incidents reported to the DOT?

12. Notification and Reports

- a. **Did any reportable incidents occur? Were the appropriated notifications made to the NRC Emergency Operations Center? Were the required written reports made as follow ups to any event?**

13. Posting and Labeling

- a. **Is NRC Form 3, "Notice to Employees," posted?**

- b. **Are the NRC regulations and license documents posted? Are any other posting and labelling requirements met?**

14. Decommissioning

- a. **Were any locations of use or separate buildings decommissioned since the last audit? If yes, were the appropriate amendments made to the license?**

15. Evaluation of Other Factors

- a. **Does the RSO have sufficient time to perform his or her radiation safety duties?**

- b. **Does the licensee have sufficient staff to support the Radiation Safety Program?**

16. Deficiencies Identified in Audit and Corrective Actions

- a. **Summary of any problems and/or deficiencies identified during the audit:**

- b. **Corrective actions with dates of implementation for ALL locations listed on license:**

42539030

Certificate of Completion

This is to certify that

Langford Brown

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/24/2020

offered by

ATI

American Technical Institute, LLC

Training satisfies US DOT training requirements of 49 CFR 172 and IATA including:

- Emergency Procedures
- Methods and procedures for avoiding accidents
- Hazardous materials identification and recognition
- Self-protection measures
- Regulations applicable to job function
- Security

Certification expiration: DOT - 3 years from date listed above

Company RSO Signature

American Technical Institute
10161 Park Run Drive, Suite 150
Las Vegas, Nevada 89145
www.usaati.com

42372598

Certificate of Completion

This is to certify that

Rebecca Conn

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/20/2020

offered by

ATI

American Technical Institute, LLC

Training satisfies US DOT training requirements of 49 CFR 172 and IATA including:

- Emergency Procedures
- Methods and procedures for avoiding accidents
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- Self-protection measures
- Regulations applicable to job function
- Security

Certification expiration: DOT -3 years from date listed above

Company RSO Signature

American Technical Institute
10161 Park Run Drive, Suite 150
Las Vegas, Nevada 89145
www.usaati.com

42539104

Certificate of Completion

This is to certify that

Andrew Hall

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/24/2020

offered by

ATI

American Technical Institute, LLC

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- Regulations applicable to job function
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Company RSO Signature

American Technical Institute
10161 Park Run Drive, Suite 150
Las Vegas, Nevada 89145
www.usaati.com

42359442

Certificate of Completion

This is to certify that

Keith Ladzinski

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/20/2020

offered by



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Company RSO Signature

American Technical Institute
10161 Park Run Drive, Suite 150
Las Vegas, Nevada 89145
www.usaati.com

42431529

Certificate of Completion

This is to certify that

Charles Vince

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/21/2020

offered by

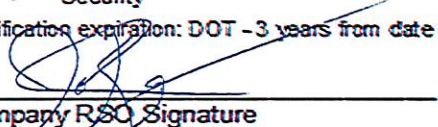
ATI

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Company RSO Signature

American Technical Institute
10161 Park Run Drive, Suite 150
Las Vegas, Nevada 89145
www.usaati.com

41977814

Certificate of Completion

This is to certify that

Jason Dana

has completed a course of study in

102 - Hazardous Materials D.O.T. Training - Portable Nuclear Gauge

dated

02/14/2020

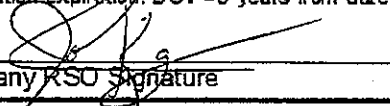
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MCDOWELL AND ASSOCIATES

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Radiation Safety Officer:

JKIII - JOHN KALISZ III

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4495 44TH ST. SE, SUITE A
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KEITH LADZINSKI	2023

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20	3411 B	7274	6/11/2019	7/25/2019	5/31/2006	MIDLAND	CHECKED - EJ - 01/17/2020		
25	3430	31128	3/11/2020	2/20/2020	12/28/2001	MIDLAND	CHECKED - EJ - 01/17/2020	JASON DANA	2023
26	3440	31856	3/19/2019	7/25/2019	3/18/2002	MIDLAND	CHECKED - EJ - 01/17/2020		
28	3430	31591	3/19/2019	7/25/2019	5/25/2000	MIDLAND	CHECKED - EJ - 01/17/2020		
29	3440	32641	3/11/2020	2/20/2020	5/20/2005	MIDLAND	CHECKED - EJ - 01/17/2020	MATT WHEELER	2023

	IN CAGE
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	CALIBRATION REQUIRED
	IN GRAND RAPIDS FOR REPAIRS/CALIBRATION

EJ - ERIC JOHNSON

STEVE COLE

2023

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

REPORT OF LEAK TEST

MC DOWELL & ASSOC
JOHN KALISZ
21355 HATCHER AVE
FERNDALE MI 48220

Model Number: XL-P300A

Serial Number: 8621

Isotope:	Cs-137		mCi
	Am-241		mCi
	Cd-109	40	mCi

Date of Test: 1/27/2020

The sample identified above was submitted for leak test analysis.

Analysis Date: 2/10/2020 Analysis Number: S48512

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