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Certified Company

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Built on Quality -
continuously improving our
quality of service to meet
and exceed our
clients' expectations.

July 8, 2011

United States
Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

RE: Report of Portable Gauge Event Required by Paragraph (b) 10CFR 30.50

Wilcox Associates, Inc.
NRC License # 21-23314-01

(I, II, & IV) Description of Event, Location and Date and Time

On July 8, 2011 at 11:30 a.m., Gerald Morton a Wilcox employee, was at the project site -O'Rilley Auto Parts Construction Project, 835 W State Street, Hastings, Mi - conducting soil density testing. Between tests he was standing in front of his truck with the Troxler 3440 Nuclear Density gauge SSN 16851 next to him. He needed to move his vehicle to a different location so the contractor could load a trailer located behind his truck. He started the truck and drove forward. He did not remove the gauge from in front of the truck where he had been previously standing. The gauge was tipped over by the bumper and the tire ran over the handle. No damage was incurred to the body of the gauge. He called me, Josh Gottschall (RSO). I asked if the source rod was exposed or in the shielded position. He reported that it was in the shielded position. The Troxler was intact and only had a bent handle with the lock still on it. No physical damage occurred that would affect the integrity of the licensed material or its container. He sent me pictures of the damage via cell phone. The gauge was surveyed and leak tested by Steve James of InstroTek. The results from InstroTek showed that the source was completely shielded and not leaking. Steve reported the results to Gerald Morton and then to myself via phone call. At 1:37 p.m. I called NRC hotline reporting under 10CFR 30.50 B2. I reported the event to Mr. Vince Klco via phone call.

(III) Isotopes, Quantities, and Chemical and Physical form for the licensed Material Involved.

CS-137 – SSN 50-5998 0.269 GBq or 8 mCi

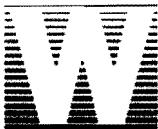
AM-241 BE-47- SSN 12274 1.48GBq or 8mCi

Both are sealed source, special form

(V) Corrective steps that have been taken.

I have sent an e-mail to all assistant RSO's and Office Leaders in our other Wilcox offices to remind all our Troxler users that this event was preventable. The gauge should either be in the case, in the ground, or in their hand.

RECEIVED JUL 26 2011

**(IV) Extent of Exposure of individuals to Radiation or Radioactive Material**

The gauge was surveyed and leak tested by Steve James of InstroTek. The results from InstroTek showed that the source was completely shielded and not leaking. Steve reported the results to Gerald Morton and then to myself via phone call. **There was no exposure to radioactive material.**

Sincerely,
WILCOX PROFESSIONAL SERVICES, LLC

Joshua A. Gottschall
Radiation Safety Officer

Attachments:
Email to RSO's and Office Leaders
Picture of Gauge

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919) 875-8371 Fax (919) 875-8328

7/13/2011
Test Number: 2

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231) 775-7755
Fax: (231) 775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 16851

Test Date: 7/8/2011

Source (Model/Serial#)	Reading in microCuries
47-12274	0.00000
50-5998	0.00022

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by

Date: 7/13/2011

Customer Signature:

Date: 7-19-11

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstruTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

Josh Gottschall

From: Josh Gottschall
Sent: Friday, July 08, 2011 2:02 PM
To: RadiationSafetyOfficers; Matt Schwach
Cc: Dan Kibbe; Dean Geers; Paul Baerman; Bob Hufnagel; Andy Stamm; Steve Warren; Connie Houk; Kevin Cooley
Subject: Troxler incident
Attachments: 0708111210-00.jpg; 0708111208-01.jpg

To all,

We had a Troxler ran over today. The source rod was in the shielded position and not exposed. The gauge electronics (body) were not damaged only the handle rods. I did report it to the NRC. Not sure if they will come visit us or not. It has been surveyed and leak tested by InstroTek and is not leaking and completely safe. Please review with all your users that the gauge is either: **In the ground, In their hand, or In the truck.** This accident was preventable following these steps.

Thanks,

Josh Gottschall
Project Manager
Wilcox Professional Services, LLC
1 Madison Ave
Cadillac, MI 49601

Josh.Gottschall@wilcox.us
231.775.7755 (office)
231.775.3135 (fax)
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Please consider the environment before printing this email.



ATROXLER

3440

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MOISTURE - DENSITY GAUGE

16851

FIRST CLASS MAIL



Wilcox



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