



June 10, 2019

Nuclear Radiation Commission
1600 East Lamar Blvd.
Arlington, TX 76011-4511

RE: Notice of Damage to Portable Density Gauge
License #11-27637-01
Docket #030-35139

This document serves as ALLWEST's 30-day notice of an accident that resulted in damage to a portable density gauge.

On May 16, 2019 ALLWEST employee Javier Guevara was testing the density of freshly placed asphalt on a closed section of Galloway Road in Middleton, Idaho using Troxler 3430 SN 35061 portable nuclear densometer. At approximately 10:45 AM Mountain Daylight time, an unauthorized Ford F-150 pickup was travelling on the fresh mat at a high rate of speed and Mr. Guevara had to jump out of the way to avoid being hit by the pickup. He did not have time to grab his gauge as he jumped to safety. The truck impacted the gauge and scattered pieces of the gauge approximately 50 feet from the site of the impact. The gauge was in back scatter mode as Mr. Guevara was in the middle of taking a density test at the time of the accident. The pickup that impacted the gauge did not stop at the accident site. Mr. Guevara immediately contacted the Meridian office, assistant RSO Chance Wolford who contacted Corporate RSO Chris Beck. Mr. Beck contacted Corporate Assistant RSO Mitch Keith regarding the accident. Mr. Wolford and ALLWEST employee James Varozza initiated ALLWEST's emergency protocol and had the accident site roped off. Mr. Keith requested information regarding the accident and was notified the source rod was separated from the safety shielding. ALLWEST tried to contact Troxler and after 20 minutes on hold, no one from Troxler responded to the request for help. Mr. Keith then instructed Mr. Wolford to contact the NRC safety number. Mr. Keith also requested the local police be contacted to report the hit and run as the driver of the pickup did not stop.

NRC representative Jason Vonehre was in contact with Mr. Wolford and based upon the information given and readings taken on site with ALLWEST's survey meter, it was the opinion that the shielding of both sources was still intact and the reading for the source rod was typical for those of an unshielded source. Under the direction of the NRC, IDEQ HazMat and the Middleton Fire and Rescue, the site was cleaned up. The source rod was placed back in the housing and additional readings taken and radiation was within expected levels for a shielded source. A leak test was taken, and results indicated that the sources were not leaking. On June 6, 2019 ALLWEST sent the damaged gauge to Instrotek for disposal.

During the process Mr. Keith kept Mr. Beck apprised of the actions taken on site and the steps taken to keep both the public and personnel safe.

ALLWEST sent both Mr. Welford's and Mr. Varozza's personal dosimetry badges in for readings to Landaeur. Radiation dosimetry reports for both employees are attached to this letter.



Mr. Chris Beck, P.E.
Corporate RSO



Mr. Mitch Keith
Corporate Assistant RSO

Attachments: Leak Test for Troxler 3430 SN 35061
Personal Dosimetry - Chance Welford, James Varozza



InstroTek, Inc.
1 Triangle Drive, PO Box 13944
Research Triangle Park, NC 27709
(919)875-8371 Fax (919)875-8328

5/28/2019
Test Number: 5

GREG MUGAVERO
ALLWEST TESTING (MERIDIAN)
255 N. LINDER RD SUITE #100
MERIDIAN, ID 83642

Phone: (208)996-9803

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: 3430
Gauge S/N: 35061

Test Date: 5/16/2019

Source (Model/Serial#)	Reading in microCuries
47-30359	0.00001
77-2768	0.00020

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:

5/28/19

Customer Signature:



Date:

5/22/19

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek 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.

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**No NVLAP accreditation is available from NVLAP for thermal neutron or X type dosimeters. When exposure results are reported for thermal neutrons or X type dosimeters, this report contains data that are not covered by the NVLAP accreditation.

Account : 721985 Subaccount: 1462186 Series: MER

[illegible]

* - Customer average background dose used for control subtraction

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

ALLWEST TESTING & ENGR
ATTN: CHANCE WOLFORD
255 N. LINDER ROAD
STE. 100
MERIDIAN, ID 83642

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Radiation Dosimetry Report

Account : 721985 Subaccount: 1462186 Series: MER

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Participant Number	Name		Birth Date	Dosimeter	Use	Rad. Type	Rad. Quality	Dose Equivalent (mrem) for Periods Shown Below												Inception Date	Serial Number		
								DDE-Deep Dose Equivalent				LDE-Lens Dose Equivalent				SDE-Shallow Dose Equivalent							
								Period Shown Below				Quarter to Date				Year to Date						Lifetime to Date	
For Monitoring Period:								DDE	LDE	SDE	DDE	LDE	SDE	DDE	LDE	SDE	DDE	LDE	SDE	LIFETIME			
2019-04-15 to 2019-07-14								39	39	39	4	4	4	4	4	4	4	4	4	4	4	4	4
OOMER CONTROL								Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	
Control Dose Used								Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa		

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