

# RI - DNMS Licensee Event Report Disposition

Licensee:

Event Description:

License No:

29-1801F-01

Docket No:

03014353

MLER-RI:

2005-034

Event Date:

4-25-05

Report Date:

4-25-05

HQ Ops Event #:

## 1. REPORTING REQUIREMENT

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

10 CFR 20.1906 Package Contamination

10 CFR 20.2201 Theft or Loss

10 CFR 20.2203 30 Day Report

Other

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

10 CFR 30.50 Report

10 CFR 35.3045 Medical Event

License Condition

## 2. REGION I RESPONSE

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

Immediate Site Inspection

Special Inspection

Telephone Inquiry

Preliminary Notification/Report

Information Entered in RI Log

Report Referred To:

Inspector/Date

Inspector/Date

Inspector/Date

Daily Report

Review at Next Inspection

Jandra/Gordon 4/27/05

## 3. REPORT EVALUATION

<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>

Description of Event

Levels of RAM Involved

Cause of Event

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Corrective Actions

Calculations Adequate

Additional Information Requested from Licensee

## 4. MANAGEMENT DIRECTIVE 8.3 EVALUATION

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Release w/Exposure > Limits

Repeated Inadequate Control

Exposure 5x Limits

Potential Fatality

If any of the above are involved:

<input type="checkbox"/>
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Considered Need for IIT

Decision/Made By/Date:

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Deliberate Misuse w/Exposure > Limits

Pkging Failure > 10 rads/hr or Contamination > 1000x Limits

Large# Indivs w/Exp > Limits or Medical Deterministic Effects

Unique Circumstances or Safeguards Concerns

<input type="checkbox"/>
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Considered Need for AIT

## 5. MANAGEMENT DIRECTIVE 8.10 EVALUATION (additional evaluation for medical events only)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Timeliness - Inspection Meets Requirements (5 days for overdose / 10 days for underdose)

Medical Consultant Used-Name of Consultant/Date of Report:

Medical Consultant Determined Event Directly Contributed to Fatality

Device Failure with Possible Adverse Generic Implications

HQ or Contractor Support Required to Evaluate Consequences

## 6. SPECIAL INSTRUCTIONS OR COMMENTS

☐ Non-Public

Inspector Signature:

Date:

☒ Public-SISP REVIEW COMPLETE

Branch Chief Initials:

Date:



5439 Harding Highway • P.O. Box 427 • Mays Landing, NJ 08330-0427 • (609) 625-1700 • FAX (609) 625-1798

May 23, 2005

United States Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

05 MAY 27 01:40

RECEIVED  
REGION I

Attention: Mr. Samuel J. Collins

RE: April 25, 2005 30 Day Incident Report

Dear Mr. Samuel J. Collins

On April 25, 2005 William Bewley, an employee of Craig Testing Laboratories, Inc., lost a Troxler nuclear density gauge near the intersection of US Route 1 & State Route 52 in West Chester, Pennsylvania. The soils density gauge contained 8 millicuries of Cesium-137 and 40 millicuries of Americium-241: Beryllium.

On the date of the incident William was performing a soils inspection at the Chester County Prison job site. In between tests it started to rain, and William put the soils density gauge into its transportation box which was in the bed of his pick up truck. The transportation box was secured to the bed of the truck by a locked chain that was attached to one side handle of the transportation box. The rain continued to lunch break. William ate his lunch in his truck, and after his lunch break, William spoke with the foreman for the crew that he was working with. The foreman told William that he would not be needed until 2:30 – 3:00. Upon hearing this, William got into his truck and went to get a cup of coffee (approximately 1:30 PM). Prior to leaving the jobsite, William forgot to properly secure the transportation case to the bed of the truck. William also forgot to put his tailgate up. After turning left onto US Route 1, William heard a noise coming from his truck. He pulled over and saw the transportation case dragging on the ground and the soils density gauge missing. William doubled back to look for the soils density gauge, however the gauge was not there. William contacted the office at 2:30 PM. Ian Craig, RSO and Michael Cannan, President contacted Casie with Keating Building Company to inform him of the situation. Casie contacted the Pennsylvania State Police, Avondale Barracks, and Ian Craig and Michael Cannan contacted Donna

Janda, USNRC. After speaking with Donna Janda, Ian Craig contacted the NRC Operations Center and reported the incident to Chauncey Gould (event #41636).

Mr. Rod Vanderhoef found the soils density gauge at approximately 1:45 PM, April 25, 2005, and transported it to his home where he contacted Troxler Electronic Labs, Research Triangle Park, North Carolina. Mr. Vanderhoef got a recording and left a message, which was never returned. Mr. Vanderhoef had the soils density gauge stored in his garage until Friday April 29, 2005. Responding to a newspaper article, Mr. Vanderhoef got in contact with our office around 8:30 AM Friday April 29, 2005. Craig Testing Laboratories, Inc. was about to send an inspector to the area of the incident to post "reward" flyers when the call came in. Craig Testing Laboratories, Inc. sent Joe Bazard, a soils inspector to retrieve the soils density gauge from Mr. Vanderhoef and present him with a \$500.00 reward check. Ian Craig, RSO showed Joe how to use the TroxAlert survey meter and instructed Joe to survey the gauge when he met up with Mr. Vanderhoef. Upon taking possession of the soil density gauge, Joe visually inspected the gauge, and performed a survey. The gauge visually appeared undamaged and the survey confirmed the findings. When the soils density gauge got back to the office, a leak test was performed and sent to Troxler Electronic Laboratories. The results came back less than 185 Bq.

Mr. Vanderhoef is the only individual who handled the soils density gauge. The handle was in the safe position and the tungsten block was in place, therefore, his exposure was minimal (less than 5 mRem).

Craig Testing Laboratories, Inc. took the following actions to recover the soils density gauge:

- 1) Notified all authorities of the missing gauge, including Troxler Electronic Laboratories (manufacturer), QC Resources (where we get gauges serviced), USNRC and Pennsylvania State Police, in the case that the gauge was found and that person contacted someone.
- 2) Sent personal to search walk Route 52 & Route 1 on Tuesday April 26 and Wednesday April 27, 2005
- 3) Prepared reward flyers and were getting ready to post them in the local area when we got contacted by Mr. Vanderhoef.

Craig Testing Laboratories, Inc. will take the following actions to ensure against a recurrence of the loss or theft of licensed material:

- 1) In our semi-annual radiation safety meeting, we are going to show examples of how to properly block and brace the gauge in a pick up truck, a SUV / van, and the trunk of a car in accordance with the new regulation effective July 11, 2005



# CRAIG

TESTING LABORATORIES, INC.

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- 2) Increase the number of site visits to ensure that the gauges are properly secured.
- 3) Reiterate & emphasize to our inspectors that if they are having trouble arranging their vehicles to properly conform to the regulations to contact Ian Craig, RSO.

Should you have any questions or need any further information, please contact us.

Respectfully Submitted,  
CRAIG TESTING LABORATORIES, INC.

Ian Craig  
Radiation Safety Officer