

RI - DNMS Licensee Event Report Disposition

Licensee: Quaker Sales Corporation
 Event Description: Damaged Gauge
 License No: 37-23351-02 Docket No: 03032130 MLER-RI: 2006026
 Event Date: 00020106 Report Date: 0712106 HQ Ops Event #: 42654

1. REPORTING REQUIREMENT

<input type="checkbox"/>	10 CFR 20.1906 Package Contamination	<input checked="" type="checkbox"/>	10 CFR 30.50 Report
<input type="checkbox"/>	10 CFR 20.2201 Theft or Loss	<input type="checkbox"/>	10 CFR 35.3045 Medical Event
<input type="checkbox"/>	10 CFR 20.2203 30 Day Report	<input type="checkbox"/>	License Condition
<input type="checkbox"/>	Other: _____		

2. REGION I RESPONSE

<input checked="" type="checkbox"/>	Immediate Site Inspection	Inspector/Date	<u>Ladun/July 06</u>
<input type="checkbox"/>	Special Inspection	Inspector/Date	
<input type="checkbox"/>	Telephone Inquiry	Inspector/Date	
<input type="checkbox"/>	Preliminary Notification/Report	<input type="checkbox"/>	
<input type="checkbox"/>	Information Entered in RI Log	<input type="checkbox"/>	Review at Next Inspection
<input type="checkbox"/>	Report Referred To:	_____	

3. REPORT EVALUATION

<input checked="" type="checkbox"/>	Description of Event	<input checked="" type="checkbox"/>	Corrective Actions
<input checked="" type="checkbox"/>	Levels of RAM Involved	<input type="checkbox"/>	Calculations Adequate
<input checked="" type="checkbox"/>	Cause of Event	<input type="checkbox"/>	Additional Information Requested from Licensee

4. MANAGEMENT DIRECTIVE 8.3 EVALUATION

<input type="checkbox"/>	Release w/Exposure > Limits	<input type="checkbox"/>	Deliberate Misuse w/Exposure > Limits
<input type="checkbox"/>	Repeated Inadequate Control	<input type="checkbox"/>	Pkging Failure > 10 rads/hr or Contamination > 1000x Limits
<input type="checkbox"/>	Exposure 5x Limits	<input type="checkbox"/>	Large# Indivs w/Exp > Limits or Medical/Deterministic Effects
<input type="checkbox"/>	Potential Fatality	<input type="checkbox"/>	Unique Circumstances or Safeguards Concerns
<input type="checkbox"/>	If any of the above are involved:	<input type="checkbox"/>	Considered Need for AIT
<input type="checkbox"/>	Considered Need for IIT	<input type="checkbox"/>	Considered Need for AIT
<input type="checkbox"/>	Decision/Made By/Date:	_____	

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

<input type="checkbox"/>	Timeliness - Inspection Meets Requirements (5 days for overdose / 10 days for underdose)
<input type="checkbox"/>	Medical Consultant Used-Name of Consultant/Date of Report: _____
<input type="checkbox"/>	Medical Consultant Determined Event Directly Contributed to Fatality
<input type="checkbox"/>	Device Failure with Possible Adverse Generic Implications
<input type="checkbox"/>	HQ or Contractor Support Required to Evaluate Consequences

6. SPECIAL INSTRUCTIONS OR COMMENTS

☐ Non-Public

Inspector Signature: _____

Date: 2/19/06

☒ Public - ~~SRP~~ REVIEW COMPLETE
SUNSI

Branch Chief Initials: _____

Date: 7/19/06

Location of File: G:\Reference\Blank Forms\LER FORM.wpd

Rev. 02/25/05

Quaker Sales Corporation



ESTABLISHED 1929

ROAD CONTRACTORS

TELEPHONE

(814) 536-7541

FAX (814) 535-1685

BITUMINOUS PAVING MATERIALS

GENERAL OFFICE, COOPER AVENUE

P O BOX 880

JOHNSTOWN, PA 15907

July 12, 2006

Re: Incident # 42654

USNRC Region I

475 Allendale Road

King of Prussia, PA 19406

To Whom It May Concern:

Incident Report:

Incident # 42654

Incident Date: 6/20/2006

Incident Time: 14:30

Incident Reported to NRC Date: 6/20/2006

Incident Reported to NRC Time: 15:05

Incident Location: SR 22, 5.8 miles west of intersection of SR 22 and SR 56. West Wheatfield Township, Indiana County.

Gauge: Troxler Model 3450 Density Gauge. Serial # 00397

Source 750-6096 Cs-137 .30 GBQ (8.000 mCi)

Source 47-28081 Am-241:BE 1.48 GBQ (40.000 mCi)

RSO: Calvin Overdorff

Gauge Operator: Don Levergood

Description of Incident:

On a road construction paving project that was not open to traffic, the nuclear gauge was impacted by a compaction roller. The gauge operator was approximately 150 feet from the gauge, talking with an inspector, when the incident occurred. The operator became aware of the incident when the compaction roller operator and an inspector signaled him by waving their arms. The gauge operator went to the gauge and saw that it was damaged. He cleared the area of people and investigated the damage to the gauge. The source rod was still in the safe position, and the only observable damage to the gauge was the gauge plastic housing. The gauge operator notified me by cell phone of the incident.

Reporting and Investigation of the Incident:

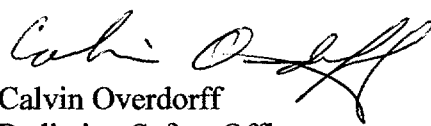
I notified the NRC on 6/20/2006 at 15:05. I went to the incident site that day after reporting to the NRC. Contact survey meter readings were taken on the gauge. They were 6-11 mrem/hr. I transported the gauge and placed it in the gauge storage at the Quaker Sales general office. On 6/21/06 I took contact survey meter readings of the gauge and extended the source rod and observed no damage to the source rod. The gauge was shipped to North East Technical Services, Inc. for leak testing and repairs. A copy describing the damage and repairs to the gauge and the leak test results is attached. On

RECEIVED
REGION 1
2006 JUL 17 PM 1:16

that day I revisited the incident site and took survey meter readings at the location that the gauge was impacted and go zero readings on the meter. The investigation of the incident revealed that the cause of the incident was that the gauge operator left the gauge unattended.

Corrective Action:

I met with the gauge operator on July 6, 2006. During that meeting we reviewed our Operating and Emergency Procedures. Particular attention was focused on maintaining constant surveillance and immediate control of the gauge when it is not in storage. Additional training with all gauge users will take place before the end of September 2006. That training will include a review of our Operating and Emergency Procedures, and a review of this reportable incident.



Calvin Overdorff
Radiation Safety Officer
Enclosures (2)



NORTH EAST TECHNICAL SERVICES

75 Aileron Court, Suite 4
Westminster, MD 21157
(410) 751-5090
(410) 751-5091 Fax
1-866-868-2382 Toll Free
www.netsnukes.com

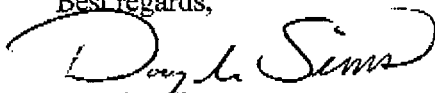
July 5, 2006

Quaker Sales Corporation
Attn: Mr. Calvin Overdorf

Mr. Overdorf,

We received your Troxler nuclear density gauge model 3450 serial number 397 by common carrier on June 22, 2006. Upon arrival a leak test was completed and the gauge was found to have no leaking sources and all sources were intact in their proper positions. During the estimate of repair we noted that the plastic topshell of the gauge was cracked and damage had occurred to the battery pack and charging regulator. The damage was considered by us to be minor. A new topshell was installed and the aluminum battery box was replaced along with the charging regulator. After the repair the gauge was checked for accuracy on our calibration blocks and was determined to be within ASTM and ASHTO specifications. The gauge was returned to you on June 27, 2006 by common carrier and is ready for use. If you have any questions please contact me.

Best regards,


Douglas Sims

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North East Technical Services, Inc.

75 Aileron Ct., Suite 4

Westminster, MD 21157

Ph: 410.751.5090 Fax: 410.751.5091

Quaker Sales Corp

Rear 83 Cooper Ave.

Johnstown, PA 15906

ATTN: Calvin Overdorf

Shipping Address: Rear 83 Cooper Ave.

Johnstown, PA 15906

LEAK TEST CERTIFICATE

MD Materials License # MD-13-020-01

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

Gauge Model 3450 Gauge S/N 00397 Leak Test Date 6/22/2006

Source

Reading in microCuries

750-6096

0.00000

47-28081

0.00000

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

Reviewed by:

Douglas Sims

Date:

7-5-06

Wednesday, July 05, 2006