

RI - DNMS Licensee Event Report **Disposition**

Licensee:	Advantage Engineering		
Event Description:	Damaged Gauge		
License No:	37-30701-01	Docket No:	03035895
Event Date:	07/01/06	Report Date:	08/12/06
		MLER-RI:	2006-032
		HQ Ops Event #:	

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	Lodhi 7/1/06
<input checked="" type="checkbox"/>	Special Inspection	Inspector/Date	Reichart 7/3, 5/06
<input type="checkbox"/>	Telephone Inquiry	Inspector/Date	
<input type="checkbox"/>	Preliminary Notification/Report	<input type="checkbox"/>	Daily Report
<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 type="checkbox"/>	Corrective Actions
<input type="checkbox"/>	Levels of RAM Involved	<input type="checkbox"/>	Calculations Adequate
<input 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"/>	Pkgg 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
If any of the above are involved:			
<input type="checkbox"/>	Considered Need for IIT	<input type="checkbox"/>	Considered Need for AIT
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

Enforcement action pending

☐ Non-Public

Inspector Signature:

Saltar h s h

Date: 8/29/06

☒ Public-SUNSI REVIEW COMPLETE

Branch Chief Initials:

Saltar h s h

Date: 8/29/06

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

for JDK

Rev. 02/25/05



Advantage Engineering

Geotechnical and Environmental Engineers

August 12th, 2006

Regional Administrator
Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

RECEIVED
REGION 1
2006 AUG 18 PM 12:48

**RE: Nuclear Gauge Incident on July 1st, 2006
Advantage Engineering (NRC License No. 37-30704-01)**

To Whom it May Concern:

This correspondence serves to report the incident which involved one of our nuclear, moisture density gauges. This letter serves to report the incident as required by 10 CFR Ch.1 §30.50. The equipment damaged was a Troxler 3411, serial number 10942, including the following isotopes:

- CS-137, serial number 40-8387, with a current activity of 5.4mCi
- AM-241:BE, serial number 47-6341, with a current activity of 38.8mCi

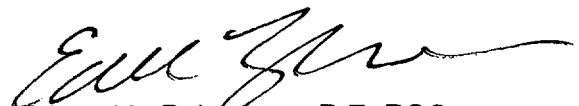
The incident occurred at approximately 14:00 on Saturday, July 1, 2006. The incident occurred on a project site known as "Rydal waters" which is located near the terminus of Brook Road in Abington Township, Montgomery County, Pennsylvania. To the best of our knowledge the gauge was damaged by a bull dozer when a certified user left the gauge unattended for a period of approximately five minutes.

The outer casing of the gauge was completely destroyed, but the source was found to be intact and to be suitable for shipment according to the results of the survey meter in the field. In addition, the surrounding area was not found to contain any radioactivity above background levels. The damaged gauge has since been leak tested and has been deemed suitable for transport to the manufacturer for disposal.

Since the incident has occurred, the NRC, specifically Mr. Sattar Lodhi and Mr. Michael Reichard, have conducted reviews of our gauge storage facilities and field operations.

To date we are awaiting the results of our exit interview with the NRC. Should you have any questions or require further clarification, please do not hesitate to contact me.

Sincerely,
ADVANTAGE ENGINEERING, LLC


Edward L. Balsavage, P.E. RSO
Managing Partner

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