

August 2, 2012

Mr. Randolph Ragland  
Senior Health Physicist  
NRC Region I  
2100 Renaissance Boulevard  
King of Prussia, PA19406  
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**Re: Sequence of events of the incident on August 1, 2012, in PR. 976 Fajardo.**

Mr. Ragland, in order to comply with the information requested by the NRC, we are submitting the incident report or the sequence of events in the incident reported yesterday by phone call to the Operation Center.

License No. 52-19845-01

Sequence of events of the incident on August 1, 2012

- Location: PR 976 Fajardo PR.
- Time of incident: 11:45 am
- Incident: The Roller damaged the upper housing of the nuclear gauge
- The RSO was notified at: 11:50 am
- Emergency procedures were follow:
  1. The authorized user contacted the RSO.
  2. The RSO contacted the Radiation Physicist Consultant.
  3. The authorized user secured the area.
- Time of arrival to the site: 1:00 pm
- Miss Angelique Acevedo from the Department of Health showed up on the site.
- Upon arrival the Radiation Physicist Consultant performed the following:
  1. Vision inspection of the area.
  2. Radiation survey measurements to verify TI index and shielding integrity.
  3. Removed the top housing cover and inspected source locations and shielding around sources.
  4. Performed the leak test in the two sources.



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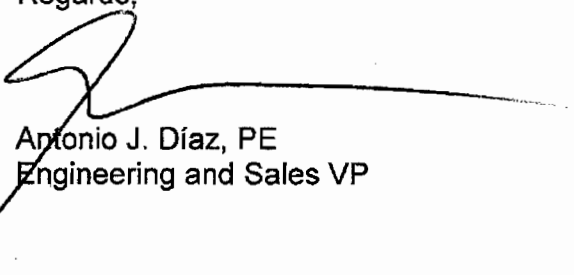


*Quality is not an accident, it is the aim of our people.*

5. Measured the wipe samples with a Ludlum 2401-P and verified that no removable contamination was present.
  6. The wipe test samples were secured to be evaluated in a Gamma counter (test results attach).
  7. The Physicist Instructed the RSO to release the area and the gauge was placed inside the standard shipping case.
  8. The RSO authorized the user to return the damage gauge to the storage in the company area.
  9. The damage nuclear gauge will be returned to Instrotek for repairs.
- The people from the local agencies that responded to the incident arrived approximately at the site at 3:00 pm.
    1. Eng. Waldetrudis Cruz – East County Supervisor from DTOP in PR.
    2. Mr. Gilberto Hernandez – Regional Deputy Director of the Emergency Response Team.
    3. Miss. Mariel Colón – Regional Director of the Environmental Quality Board.
  - The RSO and Consultant met at Betterroads Office to review notes and contact the NRC Operations Center.

If you have any questions regarding this matter please contact us.

Regards,

  
Antonio J. Díaz, PE  
Engineering and Sales VP



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Leak Test Record  
NRC License 52-25430-01

Leak Tested For: Betterroads  
Leak Tested By: David Rhoe  
  
Standard Source: Cs-137 NES-139S  
Standard Activity: 0.105 uCi Nominally  
Date of Standard: 32395  
  
Date of Leak Test: 1-Aug-12  
Decay Activity: 0.06046 From decay chart  
Standard (dpm): 134221.2

Instrument: Beckman Gamma  
Instrument Model Number: 5500  
Instrument Serial Number: 8044788

Standard (cpm) 34322  
Efficiency: 0.25571 25.6 %  
Counting time (minutes) 1  
Background (cpm) 73  
Minimum Detectable Activity: 2.128E-05

Wipe (Smear) Test: All external or accessible surfaces of the source or housing are wiped with a piece of filter paper or other absorbent material which has been moistened with an appropriate solvent and the activity removed is measured.

	Gamma	
Source ID and Serial Number	Wipe Test	Sample Activity
Am-241 & Cs-137 SnMD30801650	81	0.00014

This test reveals that 0.005 microcuries or less was present as removable contamination. Should the removable contamination exceed 0.005 microcuries, the source must be removed from use and necessary measures taken according to NRC regulations.

  
David Rhoe Health/Medical Physicist