



**PATRIOT ENGINEERING
and Environmental, Inc.**

*Engineering Value for Project Success
Consulting Environmental, Geotechnical
and Materials Engineers*

August 28, 2014

United States Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2443 Warrenville Road, Suite 210
Lisle, IL 60532

Re: License 13-32725-01

To whom it may concern:

On August 15, 2014 at approximately 4:30 pm, a Seaman C-75-A, Density Moisture Gauge was damaged on a construction jobsite. Location: 7600 Rockville Rd Indianapolis Indiana 46214.

Patriot Engineering and Environment Inc. technician, Kevin Byrd, was performing a field soil density test for Infrastructure Contractors Inc. Mr. Byrd had finished his test, lifted the rod from the active position, and was attempting to record the results before moving to the next location for an additional test. Operator Chris Carr's (Infrastructure Contractor Inc.) bulldozer was parked 8-10 feet from the Density Gauge, while Mr. Byrd was recording the results, Mr. Carr and Superintendent Scott Peterson, Infrastructure Contractor Inc., decided to move the bulldozer to a new location. Mr. Peterson was walking towards the next test site and Mr. Carr began to follow with the blade of the bulldozer raised from the parked position, not seeing the Gauge from the obstruction of the blade and he made contact with the gauge, damaging the gauge. Mr. Byrd promptly secured the site and notified Scott Blankenship Field Supervisor, Patriot Engineering and Environmental Inc.

Mr. Blankenship arrived onsite with a Radiation Survey Meter #4 manufactured by S.E. International Inc. Mr. Blankenship contacted Scott Seaman of Seaman Nuclear Corporation. Under the direction of Mr. Seaman, Mr. Blankenship began an assessment of the area, readings from the meter, and the damage to the Gauge. After an extensive conversation between Mr. Blankenship and Mr. Seaman, it was determined that the

6330 East 75th Street, Suite 216, Indianapolis, Indiana 46250
(317) 576-8058 • (317) 576-1965 FAX • www.patrioteng.com

*Offices in Indianapolis, Evansville, Fort Wayne, Lafayette, and Terre Haute, IN,
Louisville, KY, Dayton / Cincinnati, OH, Nashville, TN, Carmi, IL, and New Orleans, LA*

source was found in the shielded position, mechanism was intact, and met the requirements for shipping.

The damaged Gauge was packed per the manufacturer's instructions and returned to Patriot's office where a Leak Test was performed by Bryan King of Patriot Engineering and Environmental Inc. The test was performed using Seaman Nuclear Corporation's Rad-Wipe Leak Test, it was sent to Seaman Nuclear Corporation for analysis. On August 21, 2014 Patriot was notified the Leak Test had returned as negative, please see attached.

Patriot has held a meeting at each Branch with the employees that handle the nuclear gauges in regards to the importance of the security, handling, and training for the gauges. Each Branch was mailed a specific training manual from the Corporate Office in Indianapolis IN. Patriots Radiation Safety program was updated with a more stringent policy and responsibilities regarding the nuclear gauges. The employee involved in this incident as been removed from having access to the nuclear gauges.

Please feel free to contact us in regards to this matter should you require more information.

Sincerely,


Bryan L. King
Corporate Safety Manager

6330 East 75th Street, Suite 216, Indianapolis, Indiana 46250
(317) 576-8058 • (317) 576-1965 FAX • www.patrioteng.com

*Offices in Indianapolis, Evansville, Fort Wayne, Lafayette, and Terre Haute, IN,
Louisville, KY, Dayton / Cincinnati, OH and Nashville, TN.*