



**Docket File Information**  
**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Bade Properties Holding, LLC 410 East Dowland Street Ludington, MI 49431  REPORT NUMBER(S) 2014-001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S)  030-38661	4. LICENSE NUMBER(S)  21-35083-01	5. DATE(S) OF INSPECTION  4/22/14, with in-office review through 5/7/14
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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  All
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Chris Bade, Owner	4. TELEPHONE NUMBER  (231) 845-0371
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Main Office Inspection                      Next Inspection Date: April 2019  
 Field Office Inspection  
 Temporary Job Site Inspection

**PROGRAM SCOPE**

This was the initial inspection of an environmental engineering and consulting company (d/b/a ASI Environmental Technologies) authorized to use Cs-137, Am-241 and Ra-226 in a variety of Seaman portable moisture/density gauges at its facility in Ludington, Michigan, and at temporary job sites within NRC jurisdiction. At the time of the inspection, the licensee did not own a gauge; rather, it rented them as needed from Nordlund and Associates (21-26281-02), also of Ludington, Michigan. The owner of Bade Properties Holding was involved in the development of the program and the application for a license. The RSO was the company's only authorized user, until he resigned on April 30, 2014. The owner stated that he was in the process of enrolling in an RSO training course from Ferris State University, and preparing a license amendment request to name himself as RSO.

**PERFORMANCE OBSERVATIONS**

The inspector toured the licensee's facility. At the time of the inspection, the licensee did not possess any licensed material. However, the owner did demonstrate the storage facilities in place, which appeared satisfactory to provide adequate security and exposure control. The facilities generally matched the information provided in the license application. The inspector interviewed the owner, and found that he was knowledgeable and conscientious of radiation protection principles and licensee procedures for use, storage and transportation of portable gauges. The owner indicated that the licensee did not anticipate performing any routine maintenance – including leak tests – of rented gauges. However, the owner was aware of the need to perform such maintenance, should the licensee purchase its own gauges in the future. The inspector also discussed the licensee's use of rented portable gauges with a representative of Nordlund and Associates.

The inspector reviewed and discussed with the owner copies of the licensee's use logs, shipping papers, emergency procedures and training records.

The inspector identified a minor violation of License Condition 12 for the lack of a qualified RSO. As corrective action, the owner committed to obtaining the necessary qualifications, submitting a request to the NRC to name himself as RSO on the license, and refraining from using any licensed material until the license had been amended.