

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  
Indiana Department of Transportation  
32 S. Broadway St.  
Greenfield, Indiana 46140  
REPORT NUMBER(S): 11-01

2. NRC/REGIONAL OFFICE  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532

3. DOCKET NUMBER(S)  
030-32463

4. LICENSEE NUMBER(S)  
13-26341-01

5. DATE(S) OF INSPECTION  
June 16, 2011

**LICENSEE:**

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed. **IR 030-32463/2005-001 /-002 /-003 (DNMS)**
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied  

\_\_\_\_\_ Non-cited violation(s) were discussed involving the following requirement(s):
- 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

**Statement of Corrective Actions**

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Andrew M. Bramnik	<i>Andrew M. Bramnik</i>	6/27/2011
Branch Chief	Tamara E. Bloomer	<i>T. Bloomer</i>	6/28/11

*Docket File Information*  
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6. INSPECTION PROCEDURES  
87124

7. INSPECTION FOCUS AREAS  
03.01 – 03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM  
3121

2. PRIORITY  
5

3. LICENSEE CONTACT  
Jo Ann McMillan, RSO

4. TELEPHONE NUMBER  
317-467-3430

Main Office Inspection

Next Inspection Date: June 2016

Field Office Inspection

Temporary Job Site Inspection 8375 Pendelton Pike and 96<sup>th</sup> St & Keystone St, Indianapolis, IN; 4476 Lake Patomic Dr, Apt H, Greenfield, IN

**PROGRAM SCOPE**

This was a routine inspection of the moisture and density testing program for the Indiana Department of Transportation (INDOT), Greenfield District. The Greenfield District was bounded at the Northwest by Kokomo; at the Southwest by Indianapolis; at the South by Shelbyville; and to the East by the Indiana-Ohio border. The licensee employed approximately 40 portable gauge operators, and possessed 19 Troxler Model No. 3440 gauges, 1 Model No. 3241 gauge, and 1 Model No. 4430 gauge. At the time of the inspection, seven gauges were in storage at the licensee's permanent facility in Greenfield, and the rest were staged at temporary job sites across the district. The licensee was not authorized to perform any non-routine maintenance or service activities on the gauges. The Radiation Safety Officer (RSO) listed on the license at the time of the inspection had retired at the end of May 2011; the licensee had already prepared an amendment request to name a qualified individual as the new RSO, and faxed the request to the NRC during the inspection.

**PERFORMANCE OBSERVATIONS**

The inspector traveled to three temporary job sites and observed portable gauges in storage or in transport at each location. All gauges were observed being adequately secured with two independent barriers to removal when not under the licensee's control and constant surveillance. Portable gauge operators at each location demonstrated how gauges were stored and transported while using two independent barriers, as well as where shipping papers and emergency response information was located during transport. Interviews conducted with available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques.

The inspector observed as the RSO conducted semi-annual inventories and audits for each gauge. The RSO's audits consisted of checks for: gauge operator dosimetry; required postings; up-to-date shipping papers, operating procedures, and emergency response information; and adequate gauge security during storage and transport. The RSO required all gauge operators to review the operating and emergency procedures and to sign a document affirming their understanding.

Independent measurements taken did not indicate readings in excess of Title 10 Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas. Personal whole body dosimetry was observed during the inspection, and records did not indicate doses in excess of 10 CFR Part 20 limits. The licensee possessed a radiation survey meter that performed well in side-by-side comparison with an NRC survey meter. A records review indicated that required leak tests were performed at appropriate intervals. The inspector also verified that the licensee had never possessed more radioactive material than it was authorized for by its NRC license.

No violations were identified during this inspection. The previously-cited violation of 10 CFR 30.34(i) for failure to use two independent physical controls that form tangible barriers to secure portable gauges is closed.