

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Michigan Department of Transportation and Technology Division REPORT NUMBER(S) 2009001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-04813	4. LICENSE NUMBER(S) 21-03039-01	5. DATE(S) OF INSPECTION 01/ 5 /09	
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 02.03 thru 02.11; 02.13 thru 02.14;02.16 thru 02.19; and 02.21		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 3121	2. PRIORITY 5	3. LICENSEE CONTACT Thomas Killingsworth	4. TELEPHONE NUMBER (517)322-6450
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Main Office Inspection Next Inspection Date: 1/2014

Field Office _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

Portable Gauge Programs

Program Scope

The licensee is an engineering group belonging to the Michigan Department of Transportation that employs 126 individuals. The licensee possesses 89 Troxler 3400 moisture density gauges, for use daily/weekly during the construction season (May-November) for soils engineering projects. The licensee does perform service or maintenance activities on its gauges. Currently, the licensee employs 150 authorized gauge users who have completed manufacturers training. The gauges are stored in a locked room in the licensee's office in Lansing, Michigan.

Performance Observations

At the time of this inspection, the gauges were not in use. The operator possessed required shipping papers which contained all appropriate information and were accessible in the transport vehicle. Gauge/case were locked and chained to the rear of the vehicle during transport. The authorized user demonstrated an adequate level of understanding of emergency and handling procedures during the interview. Security during transport and at the job-site was described with no problems noted. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the licensee's survey records.

The facility has developed their own transportation case for the device. The licensee was able to provide the required testing data for the Type A transportation cases used.