

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

LS ENGINEERING  
200 CLAY STREET  
GREENVILLE, IN 48838  
REPORT NUMBER(S) 2011/001

2. NRC/REGIONAL OFFICE

NRC REGION III  
2443 WARRENVILLE RD  
Lisle, IL 60532

3. DOCKET NUMBER(S)

030-35620

4. LICENSEE NUMBER(S)

21-32296-01

5. DATE(S) OF INSPECTION

10/6/11

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
- 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	E. L. KULZER	<i>E. L. Kulzer</i>	10/6/11
Branch Chief	T E BLOOMER	<i>T E Bloomer</i>	10/13/11

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

1. LICENSEE L.S. Engineering 1345 Monroe Avenue Grand Rapids, MI  REPORT NUMBER(S) <b>2011/001</b>	2. NRC/REGIONAL OFFICE  <b>US Nuclear Regulatory Commission Region III 2443 Warrenville Rd Lisle, IL. 60532</b>
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3. DOCKET NUMBER(S) <b>030-35620</b>	5. LICENSE NUMBER( <b>21-32296-01</b>	5. DATE(S) OF INSPECTION <b>10/6/2011</b>
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6. INSPECTION PROCEDURES <b>87124</b>	7. INSPECTION FOCUS AREAS <b>03.01-03.07</b>
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM <b>03121</b>	2. PRIORITY <b>5</b>	3. LICENSEE CONTACT <b>Bryan MacKinnon</b>	4. TELEPHONE NUMBER <b>616-255-1944</b>
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- Main Office Inspection      Next Inspection Date: 10/2016  
 Field Office Inspection \_\_\_\_\_  
 Temporary Job Site Inspection \_\_\_M121 Chicago Dr. Hudsonville, MI \_\_\_

**PROGRAM SCOPE**

The licensee is a small engineering firm that employs 15 individuals. The licensee possesses three Troxler gauges Models 3400 moisture density gauges, for use daily/weekly during the construction season (May-November) for soils engineering projects. The licensee does not perform any service or maintenance activities on its gauges; these services are performed by the manufacturer. Currently, the licensee employs six authorized gauge users who have completed manufacturers training. Devices are stored in locked cabinets in the licensee's basement in Grand Rapids, Michigan. The gauges are stored at the Grand Rapids, Michigan location.

**Performance Observations**

At the time of the inspection the gauges were in use in Hudsonville, Michigan. The operator possessed required shipping papers which contained all appropriate information and were accessible in the transport vehicle. Gauges/cases were locked and chained to the rear of the vehicle during transport with two locks and two chains. The operator demonstrated an adequate level of understanding of emergency and handling procedures during interviews. Security during transport was described with no problems noted.

The previous inspection found a violation for failure to conduct annual audits. The current inspection determined that the audits are now being conducted semi-annually. The licensee's gauges, reports, and Radiation Safety Officer are located at the Grand Rapids office.