

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: L. S. Engineering, Inc. 200 South Clay Street Greenville, MI 48838 REPORT NUMBER(S) 2017001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-35620	4. LICENSE NUMBER(S) 21-32296-01	5. DATE(S) OF INSPECTION 06/23/17, with in-office review through 07/05/17	

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 violations(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, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

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	Ryan Craffey	<i>R. Craffey</i>	07/05/17
BRANCH CHIEF	Aaron McCraw	<i>A. McCraw</i>	07/06/2017

Docket File Information

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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS All		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT Bryan MacKinnon - RSO	4. TELEPHONE NUMBER (616) 643-0810
<input checked="" type="checkbox"/> Main Office Inspection Next Inspection Date: 06/23/2022			
<input type="checkbox"/> Field Office Inspection			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

This was an unannounced routine inspection of a civil engineering firm authorized to possess and use portable nuclear density gauges at its facilities in Greenville and Grand Rapids, Michigan, and at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee had three Troxler 3400 series gauges, and four individuals trained to use them. The RSO and all of the licensee's gauges were based at the Grand Rapids facility.

PERFORMANCE OBSERVATIONS

The inspector toured the facility in Grand Rapids to evaluate the licensee's measures for materials security, hazard communication, and exposure control. When not under constant surveillance, all gauges were stored behind two independent controls that formed tangible barriers against unauthorized removal. Independent surveys in the vicinity of the storage location resulted in no readings above regulatory limits. Although the licensee was not using any of its gauges at the time of the inspection, the RSO and another authorized user were still able to demonstrate to the inspector the implementation of licensee procedures for gauge transportation, use, and emergency response. Through these demonstrations and various other discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements.

The inspector also reviewed a selection of records, including leak tests, shipping papers, utilization logs, gauge user training certificates, documentation of semi-annual inventories and annual audits, and the licensee's written agreement with a nearby gauge licensee for access to their survey instrument in the event of an emergency. During the period of in-office review, the inspector reviewed additional gauge user training certificates not available at the time of the inspection.

No violations of NRC requirements were identified as a result of this inspection.