

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  
 JACKSON COUNTY Road Commission  
 2400 ELM RD  
 JACKSON, MI 49204

2. NRC/REGIONAL OFFICE  
 Region III  
 U. S. Nuclear Regulatory Commission  
 2443 Warrenville Road, Suite 210  
 Lisle, IL 60532-4352

REPORT NUMBER(S) ~~14-01~~ 14-01

3. DOCKET NUMBER(S)

030- 37787

4. LICENSE NUMBER(S)

21-32704-01

5. DATE(S) OF INSPECTION

1/13/14

**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:

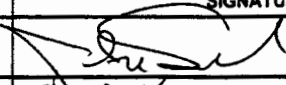
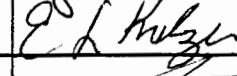
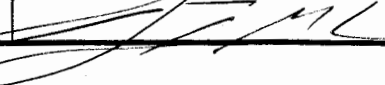
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, 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)  
 CONDITION 13.A of NRC LICENSE 21-32704-01 requires sources be tested for leakage at intervals not to exceed the intervals specified in the certificate of registration issued by the USNRC under 10 CFR 32.210 or by an agreement state in the case of the Seaman model C-200 the leakage test is every 6 months.  
 Contrary to the above, the Seaman's C-200 was last leak tested in 10/24/2013. The Seaman's C-200 has been used on October 14 and 28, 2013. The licensee agrees to have the Seaman's C-200 leak tested in 2 weeks.

**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	J. SANDERS		1/13/14
NRC INSPECTOR	E.L. Kulzer		1/13/14
BRANCH CHIEF	Warren T. McCann		1/22/14

**Docket File Information**  
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3. DOCKET NUMBER(S)  030-37787	4. LICENSE NUMBER(S)  21-32704-01	5. DATE(S) OF INSPECTION  01/13/2014
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6. INSPECTION PROCEDURES USED  IP 87124	7. INSPECTION FOCUS AREAS  03.01 through 03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  3121	2. PRIORITY  5	3. LICENSEE CONTACT  John Sanders	4. TELEPHONE NUMBER  (517) 788-4230
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Main Office Inspection                      Next Inspection Date: 1/13/2019

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine inspection of the Jackson County Road Commission. The licensee possesses one Troxler Model 3400 series and one Seamans's Model C-200 moisture density gauges for use 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 three authorized gauge users who have completed manufacturers training. Devices are stored in a locked room in the licensee's office in Jackson, Michigan.

**Performance Observations**

At the time of this inspection, the licensee had no temporary job sites. The authorized gauge user interviewed by the inspector possessed required shipping papers that contained all appropriate information and were accessible in the transport vehicle. The licensee locked and chained the gauge to the rear of the vehicle during transport. The operator demonstrated an adequate level of understanding of emergency and handling procedures. Security during transport was described with no problems noted. The inspector reviewed other program areas which included dosimetry, 20.1101 audits, leak tests, inventory checks, and survey instrument availability.

The inspector determined that the licensee had one violation of NRC requirements for failure to leak test the Seaman's gauge which was used periodically when the Troxler gauge was not functioning properly. The Seaman's gauge requires leak tests every six months and had not been leak tested since October 4, 2011. The licensee had used the gauge on October 14, and 28, 2013, which was in violation of Condition 13.A of NRC License 21-32704-01.