

(07-2012)  
10 CFR 2.201

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

GRAM Engineering and Design, LLC  
1016 W. Broadway Blvd.  
Sedalia, MO 65301

## 2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

REPORT NUMBER(S) 2016-001

## 3. DOCKET NUMBER(S)

030-38805

## 4. LICENSE NUMBER(S)

24-35209-01

## 5. DATE(S) OF INSPECTION

March 30, 2016

## 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.

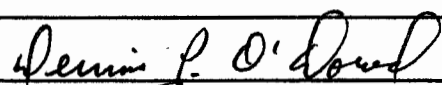

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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)

## 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	Dennis P. O'Dowd		3/30/16
BRANCH CHIEF	Aaron T. McCraw		4/29/16

## Docket File Information

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  GRAM Engineering and Design, LLC 1016 W. Broadway Blvd. Sedalia, MO 65301  REPORT NUMBER(S) 2016-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-38805	4. LICENSE NUMBER(S)  24-35209-01	5. DATE(S) OF INSPECTION  March 30, 2016	
6. INSPECTION PROCEDURES USED  37121	7. INSPECTION FOCUS AREAS  03.01-03.07		

## SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)  3121	2. PRIORITY  5	3. LICENSEE CONTACT  Gregory R. Nehring, Owner/RSO	4. TELEPHONE NUMBER  (660) 851-1214
<input checked="" type="checkbox"/> Main Office Inspection      Next Inspection Date: 03/30/2021			
<input type="checkbox"/> Field Office Inspection			
<input checked="" type="checkbox"/> Temporary Job Site Inspection      Smith-Cotton H.S., Tiger Pride Blvd, Sedalia, MO			

## PROGRAM SCOPE

This was an initial, announced inspection of a licensee authorized to possess and use a portable moisture-density gauge at the licensee's facility located in Sedalia, Missouri, and at temporary job sites anywhere in the United States where the NRC maintains regulatory jurisdiction. The license limits possession to one gauge, and authorizes two different manufacturers/models devices. At the time of the inspection, the licensee possessed an Instron Model Xplorer 3500 gauge, which is one of the two types authorized by the license. The gauge was acquired in May 2015, and has been used about 20 times (~2 times a month) as of the inspection date. There are two individuals, including the RSO, who have completed gauge user training and are authorized users; however, only the RSO currently uses the gauge.

## Performance Observations

At the time of the inspection, the gauge was in storage at the licensee's authorized facility. The inspector observed that the gauge was adequately secured by at least two independent physical controls. During the inspection, the inspector observed the removal of the gauge from storage, its preparation for transport, its transportation to a temporary job site, its use by the RSO for conducting several measurements at a temporary job site in Sedalia, Missouri, and its return to its authorized storage location. During the inspection, the inspector observed and/or reviewed, and the RSO described and/or demonstrated: (1) two independent, tangible barriers for gauge security and control while unattended and in storage at the licensee's facility and at a temporary jobsite; (2) DOT requirements (including DOT HAZMAT training) and shipping papers; (3) dosimetry; (4) leak tests; (5) survey meter availability and use; and (6) operating, emergency and transportation procedures. In interviews, licensee staff demonstrated adequate knowledge and understanding of operational and emergency procedures involving the gauge, as well as radiation safety. Leak tests were conducted as required. The inspector performed independent radiation measurements in the gauge storage area and during use of the gauge at the temporary job site. These measurements indicated no readings in excess of regulatory limits and were consistent with expected readings.

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