

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

CTI and Associates, Inc.  
28001 Cabot Drive, Suite 250  
Novi, MI 48377  
Location Inspected: Job Site in Detroit, MI

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)

030-12040

## 4. LICENSE NUMBER(S)

21-17007-01

## 5. DATE(S) OF INSPECTION

January 25, 2017

## 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:

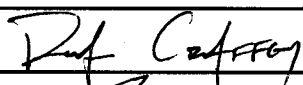

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Ryan Craffey		1/31/17
BRANCH CHIEF	Aaron McCraw		2/3/17

## Docket File Information

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3. DOCKET NUMBER(S)  030-12040	4. LICENSE NUMBER(S)  21-17007-01	5. DATE(S) OF INSPECTION  January 25, 2017	
6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  FE 1-6		

## SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Elizabeth Taylor, PE - RSO	4. TELEPHONE NUMBER  (248) 560-0780
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- ☐ Main Office Inspection      Next Inspection Date:      No Change
- ☐ Field Office Inspection
- ☒ Temporary Job Site Inspection      Prentis Street & 2nd Avenue, Detroit, MI

## PROGRAM SCOPE

This was an unannounced field inspection of an environmental, remediation, engineering and construction firm authorized to use and store portable moisture density gauges at its facility in Farmington Hills, Michigan, and at temporary job sites in NRC jurisdiction. The scope of this inspection was limited to the licensee's possession and transportation of a portable moisture density gauge on a fiber optic cable installation project along Prentis Street at the intersection of 2nd Avenue in Detroit, Michigan, and did not include an overall review of the licensee's radiation safety program.

## PERFORMANCE OBSERVATIONS

The inspector originally visited the job site on Prentis Avenue to observe a different NRC licensee. Shortly after arriving, however, the inspector noted the arrival of a CTI and Associates truck containing a Troxler portable moisture density gauge. Prior to announcing his presence, the inspector observed the licensee's technician maintain control and constant surveillance of the portable gauge while unloading other equipment from the truck. The inspector then announced himself to the technician and examined the gauge. The inspector found that the technician had secured the gauge case for transport using adequate blocking and bracing, and maintained the ability to provide two independent physical controls to secure the gauge against unauthorized removal when not under constant surveillance, using a combination of locks and chains, and a locking truck bed cover. The inspector later noted, during observations of the other licensee on the job site, that the technician also relocated his truck periodically so as to maintain close surveillance of the vehicle, even with the gauge fully secured in the locked truck bed.

The inspector was unable to observe the use of this portable gauge, as the technician's work on this job site was of a different nature. Instead, the inspector interviewed the technician, and found that he was knowledgeable of radiation protection principles, relevant ALARA practices, emergency response measures, and that he possessed dosimetry as required by licensee procedures. The inspector also reviewed the technician's shipping papers, which were readily available in the cab, as well as the latest leak tests results for the the gauge.

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