

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED

NTH CONSULTANTS, LTD.  
38955 HillsTech Drive  
Farmington Hills, MI 48331

REPORT NUMBER(S) 2007-001

## 2. NRC/REGIONAL OFFICE

U.S. NRC  
2443 WARRENVILLE RD  
Lisle, IL 60532

## 3. DOCKET NUMBER(S)

030-08223

## 4. LICENSE NUMBER(S)

21-14894-01

## 5. DATE(S) OF INSPECTION

Feb. 6, 2007

## 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.

(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			
NRC INSPECTOR	E. L. Kulzer	E. L. Kulzer	2/6/07

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

1. LICENSEE <b>NTH Consultants, LTD.</b>		2. NRC/REGIONAL OFFICE <b>Region III</b>	
REPORT 2007-001			
3. DOCKET NUMBER(S) <b>030-08223</b>	4. LICENSE NUMBER(S) 21-14894-01	5. DATE(S) OF INSPECTION February 6, 2007	
6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  03.01 - 03.07		
<b>SUPPLEMENTAL INSPECTION INFORMATION</b>			
1. PROGRAM 03121	2. PRIORITY 5	3. LICENSEE CONTACT James Parsons	4. TELEPHONE NUMBER 248.324.5329
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: February 2012	
<input type="checkbox"/> Field			
<input type="checkbox"/> Temporary Job Site			

**PROGRAM SCOPE**

The licensee is a engineering firm that employs 123 individuals. The licensee possesses 38 Troxler 3440 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 85 authorized gauge users who have completed manufacturers training. Devices are stored in a vault in the licensee's facility located at Farmington Hills, Detroit, and Grand Rapids, Michigan.

**Performance Observations**

At the time of this inspection, the gauges were not in use. The authorized user possessed required shipping papers which contained all appropriate information and were accessible in the transport vehicle. Gauge/case were locked and chained to the rear of the vehicle during transport. The authorized user demonstrated an adequate level of understanding of emergency and handling procedures during job-site interviews. Security during transport and at the job-site was described and observed respectively with no problems noted. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the licensee's survey records.