NRC FORM 591M PART 1 (10-2003) 10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Associated Engineering and Technology, Inc. 9228 Indianapolis Blvd.Suite 8A Highland, IN 46322 REPORT 3035259/2005001(DNMS)	REGION III US NUCLEAR REGULATORY COMMISSION 2443 WARRENVILLE ROAD, SUITE 210 LISLE, ILLINOIS 60532

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
03035259	13-32223-01	November 2 ~~October 31~~, 2005

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:

- [X] 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) was/were discussed involving the following requirement(s) and Corrective Action(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)

Licensee's Statement of Corrective Actions for Item 4, above.

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	MAX L. CALHOON	Max L. Calhoon	11-2-05
NRC INSPECTOR	Ed Kulzer	E. L. Kulzer	11/2/05

NRC FORM 591M PART 3
(10-2003)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Associated Engineering and Technology, REPORT 3035259/2005001	

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
03035259		

6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87124	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
03121	5	Ashok Medi	219/972-3517

- [ ] Main Office Inspection — Next Inspection Date: November 2, 2010
- [x] Field — 4 S 100 N Route 59, Suite 10, Naperville, IL
- [ ] Temporary Job Site

PROGRAM SCOPE

The inspector noted that at the time of this inspection, the licensee has no one working at the Highland, Indiana facility. The Troxler Model 3440 guage has been transferred to the licensee's office located at 4S 100 N Route 59, Suite 10, Naperville, Illinois. The phone number at this facility is (630) 420-8300. This facility has some one present about half a day. The inspector obtained a copy of the licensee's Illinois license (IL-01473-01). The Illinois license allows the licensee to possess both Troxler and CPN gauges at its Illinois location. The licensee has three CPN gauges in addition to the one Troxler gauge. The licensee uses the CPN gauges only in Illinois.

The licensee is a small engineering firm that employs six individuals. The licensee possesses one Troxler Model 3440 moisture density gauge used 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 three authorized gauge users who have completed manufacturers training. Device is stored in a vault in the licensee's office in Naperville, Illinois.

Performance Observations

At the time of this inspection, the gauge was not in use. The inspector conducted a records review of the following: shipping papers, dosimetry data, leak test, and inventory records. The inspectors observed that the gauges were stored in locked cases, in a locked and posted storage closet. The inspector asked a user to demonstrate transport, handling, and emergency procedures. The user demonstrated an adequate level of understanding of emergency and handling procedures. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the licensee's survey records, < 2 mR/hour.