

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED: <i>Thermal Engineering International</i> <i>Joplin, MO</i> REPORT NUMBER(S) <i>2009-001</i>		2. NRC/REGIONAL OFFICE <b>U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351</b>	
3. DOCKET NUMBER(S) <i>030-17798</i>	4. LICENSEE NUMBER(S) <i>24-19500-01</i>	5. DATE(S) OF INSPECTION <i>6/10-11/09</i>	

**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) 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			
NRC INSPECTOR	<i>Michael M LaFranzo</i>	<i>[Signature]</i>	<i>6/11/09</i>

*225*

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AND COMPLIANCE INSPECTION**

1. LICENSEE Thermal Engineering International REPORT NUMBER(S) 2009-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-17798	4. LICENSE NUMBER(S) 24-19500-01	5. DATE(S) OF INSPECTION June 10-11, 2009	
6. INSPECTION PROCEDURES USED 87121	7. INSPECTION FOCUS AREAS 03.01 – 03.07		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 3320	2. PRIORITY 1	3. LICENSEE CONTACT Nick Darnell – RSO	4. TELEPHONE NUMBER 417-659-8222
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Main Office Inspection      Next Inspection Date: June 2010

Field Office

Temporary Job Site Inspection      2702 W. 9<sup>th</sup> Street; Joplin, Missouri

**PROGRAM SCOPE**

The licensee, a manufacturing company that produced pressure vessels up to 50 feet long, performed radiography to evaluate the welds on the vessels. While authorized to perform radiographic operations at temporary job sites throughout NRC-regulated areas, the licensee performed radiography only on their premises in Joplin, Missouri, using two radiography cameras as authorized on the license. All radiographic operations were performed at temporary job sites, and large concrete blocks were used to provide shielding. The radiography cameras were used approximately daily at the facility by four radiographers.

**Observations and Findings**

The inspector interviewed several radiographers and licensee management and determined that each individual had adequate knowledge to ensure the safe use of licensed material. The inspector reviewed a representative sample of records which included dosimetry, calibration certificates, utilization logs, training, maintenance logs, leak tests; no abnormal items were identified. The inspector observed radiographic operations and performed radiation surveys around the area where operations were being performed. The inspector did not identify any elevated levels of radiation in unrestricted areas. The inspector performed surveys of the storage facility and did not detect abnormal radiation levels. The inspector performed a side-by-side comparison between NRC and licensee survey instrumentation and did not identify any significant deviations.