

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

**Colby & Thielmeier Testing Company, Inc.
 10627 Liberty Avenue
 St. Louis, MO 63132**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission
 Region III
 2443 Warrenville Road, Suite 210
 Lisle, Illinois 60532-4351**

REPORT NUMBER(S) **2010-01**

3. DOCKET NUMBER(S)

030-05159

4. LICENSEE NUMBER(S)

24-13737-01

5. DATE(S) OF INSPECTION

December 14, 2010

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:

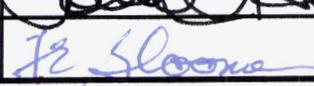
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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

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	Robert P. Hays		12/14/10
Branch Chief	Tamara E. Bloomer		1/13/10

NRC FORM 591 M PART 3
(06-2010)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information
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6. INSPECTION PROCEDURES 87121 (08/22/05)	7. INSPECTION FOCUS AREAS 03.01-03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 3320	2. PRIORITY 1	3. LICENSEE CONTACT Steve Thielmeier, RSO	4. TELEPHONE NUMBER 314-427-0221
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- Main Office Inspection** Next Inspection Date: December 2011
- Field Office Inspection** _____
- Temporary Job Site Inspection** _____

PROGRAM SCOPE

The licensee is authorized by their license to conduct industrial radiography at temporary job sites and store radiographic exposure devices (REDs) at the licensee's main facility. The licensee is authorized to possess and use Amersham industrial REDs and iridium-192 as sealed sources. At the time of the inspection, the licensee possessed a total of 8 REDs as authorized by the license. The licensee has decided to close the business and transfer all REDs and sealed sources back to the manufacturer for disposal before December 31, 2010. Industrial radiography was routinely performed at temporary jobsites in Illinois or Missouri employing 6 radiographers and one industrial radiography trainee. No temporary job site work was scheduled or being conducted in Missouri at the time of the inspection. No change in RSO or radiographers since the previous inspection. The inspector performed independent radiation measurements which indicated no dose concerns and consistent with licensee survey records and postings.

Performance Observations

The licensee's radiation safety supervisor and radiographer (D. Hall) demonstrated/discussed: (1) DOT requirements and shipping papers; (2) labeling on REDs; (3) survey instrumentation and calibrations; (4) source exchanges, NSTS reports with confirmation receipts; (5) daily and quarterly radiography equipment inspections; (6) security of REDs; (7) utilization logs; (8) radiographer's ASNT certifications; (9) staff training; (10) DU leak tests/inventories; (11) radiographer audits; (12) incidents or events with REDs (none); and (13) pocket dosimeters and alarming rate meter calibrations; (14) dosimetry and records indicated (highest) for 2009: 1436mR-DDE; and for YTD (November) 2010 1498mR-DDE; and (15) Corrective actions for a SL IV violation pertaining to the licensee's failure to notify the NRC and amend the license for a change in RSO. The licensee submitted an amendment request within 30 days of the notice of violation to change the RSO. The violation is considered closed.