

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: St. Louis Testing Laboratories, Inc. 2810 Clark Avenue St. Louis, Missouri 63103 REPORT NUMBER(S) 2009-001		2. NRC/REGIONAL OFFICE Region III U.S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-05064	4. LICENSEE NUMBER(S) 24-00188-02	5. DATE(S) OF INSPECTION May 14, 2009	

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)

Title 10 CFR 34.27(c)(1) requires, in part, that each licensee who uses a sealed source have the source tested ^{for leakage} at intervals not to exceed 6 months. Contrary to the above, an iridium-192 source, serial number 49637B, located in Tech Ops model 660 radiographic camera, serial number A4431, was not tested for leakage between October 7, 2008, and May 14, 2009, a period exceeding 6 months. As corrective action, the licensee will leak test the source for leakage on May 14, 2009, and will review the tracking of leak testing to prevent recurrence of the violation.

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	Rob Sinn, Lab Director	<i>[Signature]</i>	5-14-09
NRC INSPECTOR	Geoffrey M. Warren	<i>[Signature]</i>	5/14/09

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6. INSPECTION PROCEDURES USED 87121		7. INSPECTION FOCUS AREAS 03.01 – 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03320	2. PRIORITY 1	3. LICENSEE CONTACT Donald J. Baumer, RSO	4. TELEPHONE NUMBER 314-531-8080
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: May 2010	
<input type="checkbox"/> Field Office			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

The licensee was an industrial radiographer located in St. Louis, Missouri, with authorization to use byproduct materials in a permanent radiographic facility and at temporary job sites. Licensed activities were conducted at the address identified on the license and at temporary job sites in Missouri and Illinois (as authorized by a license from the State of Illinois), generally at power plants, pipelines, and fabrication shops. The licensee employed eighteen qualified radiographers and three assistants who used six radiography cameras with iridium-192 sources and one camera with a cobalt-60 source as described on the license. The licensee performed radiography daily at temporary job sites and occasionally within the permanent radiographic installation. The maximum whole body radiation exposure for any radiographer was 3050 mrem for calendar year 2008 and 352 mrem for January through March 2009.

The licensee also possessed a gas chromatograph containing a nickel-63 source as described on the license. The device was used occasionally for laboratory procedures by several laboratory personnel. In addition, the licensee possessed a calibrator source and a second cobalt-60 radiography camera in storage pending disposal.

Performance Observations

During the inspection, the licensee's staff demonstrated a typical radiographic exposure utilizing an exposure device in the permanent radiographic installation. No temporary job site was available at the time of the inspection, but licensee personnel demonstrated transport of devices and site preparation for a field site. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

The inspector closed two violations identified during the previous inspection in August 2008. The licensee was previously cited for failure to have a clearly visible label on each radiographic device; all devices present at the licensee's facility during this inspection were well-labeled, and the licensee had spare labels to replace worn labels when necessary. In addition, the licensee was previously cited for failure to include the hazard class on shipping papers; all recent shipping papers reviewed by the inspector and all blank forms in the file to be used included the hazard class as required during this inspection. As such, both violations are considered closed.

The inspector identified one violation during this inspection, as described in Part 1. One of the radiographic devices had not been leak tested within the previous six months. The RSO had noted that the leak test was coming due, and sent an e-mail to an individual to perform the leak test. That individual, incorrectly believing that the source had been disposed, responded that the leak test was not necessary. The licensee has committed to reviewing the system for tracking leak tests to prevent recurrence of the violation.