



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

September 8, 2015

EA-15-156

Mr. Robin Sinn, Laboratory Director
St. Louis Testing Laboratories, Inc.
2810 Clark Avenue
St. Louis, MO 63103

SUBJECT: NRC ROUTINE INSPECTION REPORT NO. 03005064/2015001(DNMS) AND
NOTICES OF VIOLATION – ST. LOUIS TESTING LABORATORIES, INC.

Dear Mr. Sinn:

On June 24, 2015, two inspectors from the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at your St. Louis office, with continued in-office review through August 13, 2015. The purpose of the inspection was to review activities performed under your NRC license to ensure that activities were being performed in accordance with NRC requirements. The in-office review included a review of security-related information and your personnel monitoring program. Ms. Deborah Piskura of my staff conducted a final exit meeting by telephone with Mr. Donald Baumer of your staff on August 13, 2015 to discuss the inspection findings.

During this inspection, the NRC staff examined activities conducted under your license related to public health and safety. Additionally, the staff examined your compliance with the Commission's rules and regulations as well as the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, the NRC has determined that Severity Level IV violations of NRC requirements occurred. The violations were evaluated in accordance with the NRC Enforcement Policy. The current Enforcement Policy is included on the NRC's website at <http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>. The violations are cited in the enclosed Notices of Violation (Notices) (Enclosures 1 (publicly available) and 2 (nonpublic)). The NRC is citing the violations in the Notices because the inspectors identified the violations.

Enclosures 2 and 3 contain Sensitive
Unclassified Non-Safeguards Information.
When separated from the Enclosures, this
transmittal letter is decontrolled.

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One violation concerned the licensee's failure to ensure that an individual wore all required dosimetry while conducting radiographic operations at a temporary job site on May 24, 2014, as required by Title 10 of the *Code of Federal Regulations* (CFR) Part 34.47(a). During these radiographic operations, the radiographer's personnel dosimeter fell off the individual during a radiographic exposure. The badge remained in the high radiation area during an exposure and the radiographer retrieved the badge once he recognized his badge was missing. His pocket dosimeter and alarm ratemeter remained on his person. The root cause of the violation was attributed to human error by the radiographer's assistant and his failure to recognize that his dosimeter fell off his person and remained within the tank vessel during one radiographic exposure. Although the individual in question was not involved with the actual source "crankout," he was involved with radiography operations by assisting in the shot set-up, maintaining access control to the restricted area, and performing confirmatory surveys at the perimeter of the exposure. Based on the NRC Enforcement Policy, the failure to use personnel monitoring devices (alarm ratemeters, direct reading dosimeters, and personnel dosimeters) at all times during radiographic operations is normally categorized as a Severity Level III violation. However, the NRC determined that the health and safety risk of this isolated occurrence was minimal, because the dosimeter fell off accidentally (without conscious intervention), the failure to wear the dosimeter occurred during a single "shot," and the other two required personnel monitoring devices were still worn during the "shot." As a result, the NRC has categorized the violation at Severity Level IV. Please be aware that future violations of a similar nature may result in escalated enforcement action by the NRC.

Your corrective actions to restore compliance and to prevent recurrence included:

(1) requesting the individual to provide a written statement describing the incident; (2) estimating the individual's exposure for the monitoring period and providing revised exposure data to the dosimetry vendor; (3) discussing this incident with radiography personnel during a safety meeting on September 11, 2014; and (4) instructing the staff on the proper locations to wear dosimetry.

The other violations are of a security-related nature. Details of the violations are available in the enclosed, non-public Security Addendum (Enclosure 3).

The NRC has concluded that information regarding the reason for the violations, the corrective actions taken and planned to correct the violations and prevent recurrence, and the date when full compliance was or will be achieved is already adequately addressed on the docket in this letter and its enclosures. Therefore, you are not required to respond to this letter unless the description herein does not accurately reflect your corrective actions or your position. In that case, or if you choose to provide additional information, you should follow the instructions specified in the enclosed Notice.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, Enclosure 1, and your response to the non-security-related violation, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room and from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/readingrm/adams.html>. However, because the other violations involve security-related information, Enclosures 2 and 3, as well as your response to these violations, if you choose to provide one, will not be made

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available electronically for public inspection. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information.

Please feel free to contact Ms. Piskura of my staff if you have any questions regarding this inspection. Ms. Piskura can be reached at 630-829-9867.

Sincerely,

/RA/

Aaron T. McCraw, Chief
Materials Inspection Branch
Division of Nuclear Materials Safety

Docket No. 030-05064
License No. 24-00188-02

Enclosures:

1. Notice of Violation (publicly available)
2. Notice of Violation (non-public)
3. Security Addendum (non-public)

cc w/encls: Donald Baumer, Radiation Safety Officer
cc w/encl 1: State of Missouri

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Sincerely,

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Aaron T. McCraw, Chief
Materials Inspection Branch
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cc w/encs: Donald Baumer, Radiation Safety Officer
cc w/ encl 1: State of Missouri

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NAME	DPiskura:ps		EHarvey		RSkokowski		ATMcCraw	
DATE	8/25/2015		8/25/2015		9/4/2015		9/8/2015	

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NOTICE OF VIOLATION

St. Louis Testing Laboratories, Inc.
St. Louis, Missouri

License No. 24-00188-02
Docket No. 030-05064
EA-15-156

During a U.S. Nuclear Regulatory Commission (NRC) inspection conducted on June 24, 2015, with continued in-office review through August 13, 2015, one violations of NRC safety requirements were identified. In accordance with the NRC Enforcement Policy, the violations are listed below:

Title 10 of the *Code of Federal Regulations* (CFR) Section 34.47(a) requires, in part, that the licensee not permit any individual to act as a radiographer or a radiographer's assistant unless, at all times during radiographic operations, each individual wears, on the trunk of the body, a direct reading dosimeter, an operating alarm ratemeter, and a personnel dosimeter that is processed and evaluated by an accredited National Voluntary Laboratory Accreditation Program (NVLAP) processor.

Contrary to the above, on May 22, 2014, at a temporary job site in St. Louis, Missouri, the licensee permitted a radiographer's assistant to perform radiographic operations without wearing a personnel dosimeter at all times during radiographic operations. Specifically, the personnel dosimeter fell off of the radiographer's assistant and remained within the high radiation area as he performed one exposure.

This is a Severity Level IV violation (Section 6.3).

The NRC has concluded that information regarding the reason for the violation, the corrective actions taken and planned to correct the violation and prevent recurrence, and the date when full compliance was achieved, is already adequately addressed on the docket in this letter. However, you are required to submit a written statement or explanation pursuant to 10 CFR 2.201 if the description therein does not accurately reflect your corrective actions or your position. In that case, or if you choose to respond, clearly mark your response as a "Reply to a Notice of Violation, IR 03005064/2015001(DNMS); EA-15-156" and send it to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001 with a copy to the Regional Administrator, Region III, within 30 days of the date of the letter transmitting this Notice.

If you choose to respond, your response will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, any response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

If you contest this enforcement action, you should also provide a copy of your response, with the basis for your denial, to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

In accordance with 10 CFR 19.11, you may be required to post this Notice within two working days of receipt.

Dated this 8th day of September 2015.

Enclosure 1

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