

March 20, 2013

Dr. Christer Watson
Assistant Radiation Safety Officer
Manchester College
604 East College Avenue
North Manchester, IN 46962

SUBJECT: NRC ROUTINE INSPECTION REPORT NO. 03008302/2013001(DNMS) AND
NOTICE OF VIOLATION – MANCHESTER COLLEGE

Dear Dr. Watson:

On February 25, 2013, an inspector from the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at your North Manchester facility. 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.

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 two 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 Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>. The violations involved: (1) the failure to ensure that survey meters were calibrated once every twelve months as required by NRC License Condition 15; and (2) the failure to test sealed sources for leakage and/or contamination at intervals not to exceed 6 months as required by NRC License Condition 12 A. The violations are cited in the enclosed Notice of Violation (Notice). The NRC is citing the violations in the Notice because the inspector identified the violations.

Your staff's infrequent use of the neutron howitzer was the root cause of the violations, and lack of organization and oversight from the Radiation Safety Officer was a contributing factor. As corrective actions, you committed to: (1) calibrating your survey instruments; (2) developing leak testing procedures; and (3) conducting leak testing.

You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. The guidance in NRC Information Notice 96-28, "Suggested Guidance Relating to Development and Implementation of Corrective

C. Watson

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Action," may be helpful. You can find the Information Notice on the NRC website at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/info-notices/1996/in96028.html>. The NRC will use your response, in part, to determine whether further enforcement action is necessary to ensure compliance with regulatory requirements.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, will be made available electronically for public inspection in the NRC Public Document Room or from the NRC Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made available to the Public without redaction.

Please feel free to contact Ken Lambert of my staff if you have any questions regarding this inspection. Mr. Lambert can be reached at (630)829-9633.

Sincerely,

/RA by Robert G. Gattone, Jr. Acting For/

Tamara Bloomer, Chief
Materials Inspection Branch
Division of Nuclear Materials Safety

Docket No. 030-08302
License No. 13-00267-04

Enclosure:
Notice of Violation

cc w/encl:
Dr. Dwight Beery, RSO

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Tamara Bloomer, Chief
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Docket No. 030-08302
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Enclosure:
Notice of Violation

cc w/encl: Dr. Dwight Beery, RSO

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|--------|-------------------|--|------------------------|--|--------------------|--|-----------------------------|--|
| OFFICE | RIII DNMS | | RIII DNMS | | RIII DNMS | | RIII | |
| NAME | K. Lambert:ps*KJL | | C. Wellinghoff*RGG for | | T. Bloomer*RGG for | | As Needed | |
| DATE | 3/19/2013 | | 3/19/2013 | | 3/20/2013 | | Click here to enter a date. | |

NOTICE OF VIOLATION

Manchester College
North Manchester, IN

Docket No. 030-08302
License No. 13-00267-04

During a U.S. Nuclear Regulatory Commission (NRC) inspection conducted on February 25, 2013, two violations of NRC requirements were identified. In accordance with the NRC Enforcement Policy, the violations are listed below:

- A. Condition 15 of License No. 13-00267-04, Amendment 8, requires, in part, that the licensee conduct its program in accordance with the statements, representations, and procedures contained in the application dated, April 29, 2003. Item No. 10, of the application states, in part, that survey meters shall be calibrated once every twelve months by the Indiana Department of Civil Defense, NRC License Number 13-13408-02, or by persons specifically licensed by the NRC or an Agreement State to perform such services.

Contrary to the above, between May 2007 and February 25, 2013, the licensee failed to calibrate survey meters once every twelve months by the Indiana Department of Civil Defense or by persons specifically licensed by the NRC or an Agreement State to perform such services. Specifically, the licensee possessed three Geiger Meter survey meters that were last calibrated in May 2007.

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

- B. Condition 12. A of License No. 13-00267-04, Amendment 8, requires that sealed sources be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

Contrary to the above, between August 22, 2008 and February 25, 2013, the licensee failed to test their sealed source for leakage at intervals not to exceed 6 months and the certificate of registration did not specify other intervals. Specifically, the licensee last leak tested its Americium-241 sealed source on August 22, 2008.

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

Pursuant to the provisions of CFR 2.201, Manchester College is hereby required to submit a written statement or explanation 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 of Violation (Notice). This reply should be clearly marked as a "Reply to a Notice of Violation" and should include: (1) the reason for the violation, or, if contested, the basis for disputing the violation or severity level, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken, and (4) the date when full compliance will be achieved. Your response may reference or include previously docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the

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time specified in this Notice, an order or a Demand for Information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

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 20th day of March 2013.