

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Indiana University School of Medicine - Northwest 3400 Broadway Gary, IN 46408</p> <p>REPORT NUMBER(S) 2017-001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>
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<p>3. DOCKET NUMBER(S)</p> <p>030-14970</p>	<p>4. LICENSE NUMBER(S)</p> <p>13-18384-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>02/27/2017</p>
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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, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

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	Dennis P. O'Dowd	<i>Dennis P. O'Dowd</i>	02/27/17
BRANCH CHIEF	Aaron T. McCraw	<i>Aaron T. McCraw</i>	3/15/17

Docket File Information

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3. DOCKET NUMBER(S) 030-14970	4. LICENSE NUMBER(S) 13-18384-01	5. DATE(S) OF INSPECTION February 27, 2017
6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01-03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT Brian Kennedy, Ph.D., RSO	4. TELEPHONE NUMBER (219) 980-6520
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Main Office Inspection Next Inspection Date: 02/27/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of an academic institution authorized for possession and uses of various isotopes for research and development as defined by Section 30.4 of 10 CFR Part 30, including animal studies and student instruction. At the time of the inspection, the licensee had 7 individuals authorized to use licensed material, only one of whom was currently active, using only P-32 in microcurie quantities for a research project conducted in one laboratory. Over the past two years, the licensee received shipments of 250 microcuries of P-32 every few months. The licensee had no inventory of long-lived materials, such as H-3 and C-14, in its possession, and the current inventory consisted only of P-32, (for use and as waste in storage for decay). The RSO and RSC Chairman were actively involved with managing the radiation safety program.

Performance Observations

During the inspection, the RSO and licensee staff demonstrated and discussed: (1) survey meter use and calibrations; (2) package ordering, receiving, and check-in procedures; (3) area and contamination surveys; (4) dosimetry; (5) waste handling, storage and disposal procedures; (6) unsealed isotope inventory control; (7) security of licensed material and access to research labs; (8) staff training; (9) lab audits; and (10) radiation safety committee meeting minutes.

The inspector observed a demonstration of research protocols using P-32 during a tour of the research labs. Interviews with licensee personnel indicated an adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements that indicated results consistent with licensee survey records and postings. Area surveys of the waste storage and lab areas did not reveal any contamination or elevated readings.

No violations of NRC regulatory requirements were identified within the scope of this inspection.