

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Butler University 4600 Sunset Avenue Indianapolis, IN 46208 REPORT NUMBER(S) 2019001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-00693	4. LICENSE NUMBER(S) 13-01865-02	5. DATE(S) OF INSPECTION October 22, 2019

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	Edward F. Harvey	<i>Edward Harvey</i>	10/24/2019
BRANCH CHIEF	Robert Ruiz	<i>Robert J. Gattone, Jr. for R.R.</i>	10/30/2019

Docket File Information
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6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03620	2. PRIORITY 5	3. LICENSEE CONTACT Craig Barnhart, RSO	4. TELEPHONE NUMBER (317) 270-3532
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Main Office Inspection Next Inspection Date: October 22, 2024

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of a private university authorized to use licensed byproduct material for research and student instruction within the Departments of Biology, Chemistry, Physics, and the College of Pharmacy on its campus in Indianapolis, Indiana. At the time of the inspection, the licensee had one active Authorized User within the College of Pharmacy who stocked less than five mCi of hydrogen-3 for dopamine transport studies. All other licensed material on the campus was stored as low level waste in a dedicated storage room managed by the RSO. The RSO is located in Room 12 of the Holcomb Building (basement level).

The inspector toured the campus in Indianapolis to evaluate the licensee's measures to material security, hazard communication, and exposure control. There was no active use of licensed material at the time of the inspection. The inspector discussed the licensee's procedures for safe use of radioactive material, material inventory, package receipt, security, waste handling, and emergency procedures with both the RSO and Authorized User. Through these interviews, the inspector found licensee personnel to be knowledgeable of radiation safety principles and regulatory requirements.

The inspector reviewed a selection of licensee records, including inventories, waste logs, incoming package receipts, and area wipe surveys with no issues noted. In addition, the inspector performed independent surveys, which revealed no readings that would indicate residual contamination or exposures to members of the public in excess of regulatory limits.

The inspector verified that corrective actions were implemented for a violation identified during the previous inspection regarding the licensee's failure to notify the NRC within 60 days following no principal activities being performed under the license for a period of 24 months, in accordance with 10 CFR 30.36(d). The inspector confirmed that the licensee submitted an amendment request to the NRC on April 16, 2015, to change their license to storage only. The request was approved on July 15, 2015. The licensee later submitted a request to the NRC on September 10, 2015, to add another Authorized User to their license and resume principal activities. This request was approved on October 30, 2015 and the inspector verified that principal activities were conducted at least every 24 months since approval.

No violations of NRC requirements were identified during this inspection.