

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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|--|---|---|--|
| 1. LICENSEE/LOCATION INSPECTED:<br><br>Purdue University<br>Radiological and Environmental Management<br>550 Stadium Mall Drive<br>West Lafayette, IN 47907<br><br>REPORT NUMBER(S) 2021-001 |   | 2. NRC/REGIONAL OFFICE<br><br>Region III<br>U. S. Nuclear Regulatory Commission<br>2443 Warrenville Road, Suite 210<br>Lisle, IL 60532-4352 |  |
| 3. DOCKET NUMBER(S)<br><br>030-00696   | 4. LICENSE NUMBER(S)<br><br>13-02812-04 | 5. DATE(S) OF INSPECTION<br><br>Oct. 14-15 and 18, 2021, in-office review through Nov. 24   |  |

**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)  
Contrary to 10 CFR 20.1906(b)(1), as of October 18, 2021, Purdue University routinely received labeled packages containing radioactive material in the form of unsealed liquid at an authorized location of use in Shelbyville, Indiana, but did not monitor the external surfaces of these packages for radioactive contamination.

As corrective action for this Severity Level IV violation, the licensee's radiation safety staff reviewed relevant procedures with the staff in Shelbyville and retrained them on performing surveys, instituted monthly reminders for Shelbyville staff to send them package receipt survey results for review, committed to communicate any deficiencies thus identified to the Shelbyville staff, and committed to perform an annual on-site audit of records related to surveys of package receipt, area monitoring, waste disposal and animal release at Shelbyville, and to provide additional training if necessary to address any deficiencies thus identified.

**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 | James F. Schweitzer |   | 11/30/2021 |
| NRC INSPECTOR             | Ryan Craffey        | <br>Digitally signed by Ryan J. Craffey<br>Date: 2021.11.29 11:43:18 -05'00'                        |            |
| BRANCH CHIEF              | Michael Kunowski    | Michael A. Kunowski<br>Digitally signed by Michael A. Kunowski<br>Date: 2021.11.29 12:37:40 -06'00' |            |