

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Purdue University
West Lafayette, IN 47907

REPORT NUMBER(S) 13-01

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

070-00152

4. LICENSE NUMBER(S)

SNM-142

5. DATE(S) OF INSPECTION

November 21, 2013

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	Deborah Piskura & Claire Wellinghoff	<i>Claire Wellinghoff</i>	11/21/13
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	11/27/13

Docket File Information

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6. INSPECTION PROCEDURES USED

87126

7. INSPECTION FOCUS AREAS

3.01-3.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

21310

2. PRIORITY

5

3. LICENSEE CONTACT

Jim Schweitzer, Ph.D., RSO

4. TELEPHONE NUMBER

(765) 494-2350

☒ Main Office Inspection

Next Inspection Date: Nov. 2018

☐ Field Office Inspection

☐ Temporary Job Site Inspection

PROGRAM SCOPE

This was routine inspection of Purdue University's SNM license. The licensee possessed material under this license for research and student instruction. The licensee's authorization included various percent enriched uranium fuel rods; pellets, sources and samples; natural uranium; a PuBe subcritical assembly; and various sources used in a Fast Breeder Blanket Facility (FBBF). The FBBF had been in secured storage since the previous inspection. As stated on the license, several sources were maintained in secured storage awaiting transfer for disposal. The Radiological and Environmental Management (REM) office conducted source inventories and area surveys in accordance with the terms of the license. Access to all materials was restricted to authorized members of the REM and users within the Physics and Nuclear Engineering departments. In September 2012, the licensee transferred numerous sources and enriched U rods for disposal. The inspectors reviewed the survey records and the waste manifest for this transfer.

The inspection included a review of the licensee's reporting to NMMSS in accordance with the procedures described in EGM 08-002. This inspection consisted of tours of the FBBF and material storage rooms, a review of select records, interviews with licensee staff, and independent surveys.

No violations of NRC requirements were identified during this inspection.