

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Purdue University 550 Stadium Mall Dr. West Lafayette, Indiana 47907</p> <p>REPORT NUMBER(S) 2017001</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>	
<p>3. DOCKET NUMBER(S)</p> <p>040-02681</p>	<p>4. LICENSE NUMBER(S)</p> <p>SUD-296</p>	<p>5. DATE(S) OF INSPECTION</p> <p>November 13-16, 2017</p>

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	Geoffrey M. Warren / Jason Draper		11/16/17
BRANCH CHIEF	Aaron T. McCraw		12/5/17

Docket File Information

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6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS 03.01 - 03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 11300	2. PRIORITY 5	3. LICENSEE CONTACT James F. Schweitzer	4. TELEPHONE NUMBER (765) 494-2350
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Main Office Inspection Next Inspection Date: 11/16/2022

Field Office Inspection Electrical Engineering and Physics Buildings

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced, routine inspection of an academic institution in West Lafayette, Indiana, with respect to their source material license. This inspection was performed concurrently with the routine inspection of the licensee's byproduct material broadscope license. The licensee was authorized by the source material license to use natural uranium, depleted uranium, and natural thorium for research and student instruction. At the time of the inspection, the only licensed activities involved periodic use of the sub-critical assembly for nuclear engineering classes. The licensee also had one depleted uranium reflector in storage that was not involved in research or other use. The licensee was also authorized to use natural or depleted uranium and natural thorium for uranium and mixed oxide reactor fuels, however no research was in progress at the time of the inspection. The RSO indicated that faculty members may begin new research under this authorization, but if no new research occurs, they may pursue removing the authorization from the source material license.

Performance Observations

The inspectors reviewed the licensee's physical inventory of the source material they possessed, including materials reportable to the Nuclear Materials Management and Safeguards System (NMMSS). The inspectors also reviewed the licensee's postings and the security of the materials, as well as other factors of the licensee's radiation safety program reviewed through the inspection of the licensee's broadscope license.

No violations of NRC requirements were identified as a result of this inspection.