

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Grand Valley State University Padnos Hall of Science, 1 Campus Drive Allendale, Michigan and Cook-Devos Center for Health Sciences 301 Michigan St., NE, Grand Rapids, Michigan		2. NRC/REGIONAL OFFICE Region III U.S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532	
REPORT NO.: 2022-001			
3. DOCKET NUMBER 030-35007	4. LICENSE NUMBER 21-32172-01	5. DATE OF INSPECTION July 14 – August 4, 2022	

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 violations closed.
- ☐ 3. The violations, 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 was/were discussed involving the following requirement(s) and Corrective Action(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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

Licensee's Statement of Corrective Actions for Item 4, above.

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	Jason Dykert, Health Physicist	Jason C. Dykert	Digitally signed by Jason C. Dykert Date: 2022.08.09 10:16:22 -04'00'
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Geoffrey M. Warren	Digitally signed by Geoffrey M. Warren Date: 2022.08.10 07:24:46 -05'00'



Materials Inspection Record

1. Licensee Name: Grand Valley State University		2. Docket Number(s): 030-35007		3. License Number(s) 21-32172-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: July 14 - August 4, 2022		
6. Inspector(s): Jason Dykert		7. Program Code(s): 03620		8. Priority: 5	9. Inspection Guidance Used: IP 87141, 87126
10. Licensee Contact Name(s): Jim Seufert, RSO		11. Licensee E-mail Address: seufertj@gvsu.edu		12. Licensee Telephone Number(s): 616-450-0875 (cell) 616-331-8628	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Initial <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 07/14/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an announced inspection of Grand Valley State University's (GVSU) limited scope academic research and development license. GVSU had three active Authorized Users (AU), two AUs worked on the main campus in two lab areas and one classroom, and one AU worked in the Muskegon, MI licensed location. The RSO coordinated program oversight and AU permit requirements. The Grand Rapids, MI location was not actively used since the previous inspection, but surveys and preparation for training in the lab occurred to keep the space available for use.

The inspector visited both the Grand Rapids and Allendale locations and interviewed the AU via video conference in Muskegon, Michigan. The inspector toured the radiation biology and 2 physics laboratories, observed demonstration of a partial physical inventory, reviewed program records, and performed independent surveys. Postings for the materials laboratory areas were appropriate, area dose rates were minimal with ample shielding in place for stored sources. Selected in-use survey instruments were calibrated annually, and appropriate dosimetry was utilized by the AU's handling sealed sources.

GVSU recently acquired new sealed sources for an AU, and began keeping a record for physical inventories of the four licensed sources, and one generally licensed nickel-63 source. Leak tests were analyzed by a third party and records kept on paper. An electronic record keeping system (CSIM) retained receipt, use and disposal records. AUs kept up-to-date inventory records for unsealed source use in each lab, and copies were sent to the RSO periodically. Lab areas were secured through key-carded access only given to AUs or trained users. Dosimetry records kept for AUs or users likely to exceed 10% of limits were reviewed; no unusual doses were noted. Independent surveys of the lab areas in Grand Rapids and Allendale demonstrated that licensee survey records and area postings were adequate.

No issues of significance were identified as a result of this inspection.