

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Calvin College 3201 Burton Street, S.E. Grand Rapids, Michigan 49546 REPORT NO.: 2022-001	2. NRC/REGIONAL OFFICE Region III U.S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532	
3. DOCKET NUMBER 030-00820	4. LICENSE NUMBER 21-08721-01	5. DATE OF INSPECTION July 14, 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	PAUL HARPER	<i>Paul Harper</i>	7-14-22
NRC INSPECTOR	Jason Dykert, Health Physicist	<i>Jason Dykert</i>	7-14-22
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Geoffrey M. Warren	Digitally signed by Geoffrey M. Warren Date: 2022.08.10 07:32:47 -05'00'



Materials Inspection Record

1. Licensee Name: Calvin College		2. Docket Number(s): 030-00820		3. License Number(s) 21-08721-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: July 14, 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): Paul Harper, RSO		11. Licensee E-mail Address: pharper@calvin.edu		12. Licensee Telephone Number(s): 616-526-6408	
13. Inspection Type: <input type="checkbox"/> Initial		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office		07/14/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
<input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote			

16. Scope and Observations:

This was an announced inspection of Calvin College's limited scope academic research and development license. At the time of inspection, only the RSO continued to perform activities under the license, as all other AUs were in emeritus status. The RSO coordinated physics demonstrations for teaching and training of students. Only one laboratory area had been utilized for unsealed materials research since the previous inspection, and no materials had been used there since 2019.

The inspection consisted of interviews with a potential authorized user, observations of the materials storage area and laboratory, demonstrations of a physical inventory and wipe tests of sealed sources by the RSO, reviews of records, and independent surveys. Postings around the materials storage area were appropriate and dose rates were minimal with ample shielding in place. The licensee's survey instruments were calibrated annually and appropriate dosimetry was utilized by the RSO.

Records of physical inventories and leak tests of the few sealed sources, 2017 unsealed material receipts, utilization logs, the 2019 relocation records for materials moved from the lab to storage area, routine wipe tests, and the last set of wipe test results for the lab in 2019 were reviewed without issue. Dosimetry results, instrument calibration certificates, and annual audits were also reviewed. The materials storage area housed liquid scintillation measurement vials from wipe tests and the remaining unused microcurie quantity unsealed materials, and all of Calvin's sealed sources in shielded containers. No materials disposals had been made; all were kept in storage. Appropriate security for the restricted materials storage area was in place. The inspector performed independent surveys and confirmatory radiation measurements and concluded that licensee survey records and area postings were adequate.

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