



Materials Inspection Report

1. Licensee/Location Inspected: National Aeronautics & Space Administration John H. Glenn Research Center, Lewis Field 21000 Brookpark Road, Cleveland, OH 44135 Report Number(s) 2023-001	2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. Docket Number(s) 030-05626	4. License Number(s) 34-00507-16	5. Date(s) of Inspection 10/05/23
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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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.

A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
 (Non-cited violation(s) was/were discussed involving the following requirement(s))

B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE	Not required (no findings)	
NRC INSPECTOR	Ryan Craffey for N. Jeff Griffis	 <small>Digitally signed by Ryan J. Craffey Date: 2023.10.26 08:28:42 -05'00'</small>
BRANCH CHIEF	Rhex Edwards	 <small>Digitally signed by Rhex A. Edwards Date: 2023.10.26 10:45:59 -05'00'</small>



Materials Inspection Record

1. Licensee Name: NASA, John H. Glenn Research Center		2. Docket Number(s): 030-05626		3. License Number(s) 34-00507-16	
4. Report Number(s): 2023-001			5. Date(s) of Inspection: 10/05/2023		
6. Inspector(s): N. Jeff Griffis		7. Program Code(s): 03620	8. Priority: 5	9. Inspection Guidance Used: IP 87126	
10. Licensee Contact Name(s): Chris Blasio, RSO		11. Licensee E-mail Address: christopher.j.blasio@nasa.gov		12. Licensee Telephone Number(s): 216-433-6520 (office) 216-903-9971 (mobile)	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		10/05/2028 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
16. Location(s) Inspected List: National Aeronautics & Space Administration John H. Glenn Research Center, Lewis Field 21000 Brookpark Road Cleveland, OH 44135					
17. Scope and Observations: This was a routine, announced inspection of NASA's John H. Glenn Research Center operations. The licensee was authorized to use byproduct materials with atomic numbers 3-83, a portable moisture density gauge, depleted uranium alloy cores for material testing, americium-241 foils, and other numerous small reference sources for research and instrument calibration. The licensee employed approximately 3,000 individuals, but only a handful of employees were actively working with licensed material at the time of the inspection. These principle investigators worked under the supervision of the RSO and three other radiation safety staff who were specifically named on the license. The licensee used its material as needed based on the testing schedules to support the agency's space missions. The licensee also possessed generally licensed H-3 exit signs, Ni-63 based gas chromatograph units, and a Cd-109 lead paint analyzer. At the time of the inspection, no specifically licensed material was being used or stored at the Sandusky location listed on the license, so the inspector did not visit that location. This inspection consisted of interviews with licensee personnel, a review of select records, a tour of all laboratories where licensed material was being stored or used, and performance of independent dose rate and contamination surveys. During tours, the inspector evaluated the licensee's measures for material security, hazard communication and exposure controls, and observed authorized users performing work in one of the active radioactive materials labs. The inspector noted that all radioactive material was secured throughout the facility and all laboratory and storage areas were key-controlled with access granted only to the authorized and trained individuals. The inspector reviewed other aspects of the licensee's radiation protection program, including audits of the radiation protection program, surveys, personnel dosimetry results, instrument calibration and quality assurance measures, waste management, shipping/receiving radioactive material, and posting and labeling of containers and rooms where licensed material was maintained. No violations of NRC requirements were identified during this inspection					

Materials Inspection Record (Continued)

Signature and Date - Branch Chief

A handwritten signature in black ink, appearing to be 'R. Edwards', with a long horizontal line extending to the right.

Digitally signed by Rhex A. Edwards
Date: 2023.10.26 10:45:39 -05'00'