NRC FORM 591M
(04-2022)

U.S. NUCLEAR REGULATORY COMMISSION

Materials Inspection Report

1. Licensee/Location Inspected:	2. NRC/Regional Office
NSF International 789 North Dixboro Road Ann Arbor, MI 48105 Report Number(s) 2022-001	Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352

3. Docket Number(s)	4. License Number(s)	5. Date(s) of Inspection
030-38362	21-15209-02	November 18 and 29, 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 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		
NRC INSPECTOR	Ryan Craffey	Digitally signed by Ryan J. Craffey Date: 2022.12.12 14:20:02 -05'00'
BRANCH CHIEF	Rhex Edwards	Digitally signed by Rhex A. Edwards Date: 2022.12.20 12:35:07 -06'00'

Add Continuation Page

NRC FORM 592M
(10-04-2022)

U.S. NUCLEAR REGULATORY COMMISSION

Materials Inspection Record

1. Licensee Name:	2. Docket Number(s):	3. License Number(s)
NSF International	030-38362	21-15209-02

4. Report Number(s):	5. Date(s) of Inspection:
2022-001	November 18 and 29, 2022

6. Inspector(s):	7. Program Code(s):	8. Priority:	9. Inspection Guidance Used:
Ryan Craffey	03620	5	IP 87141

10. Licensee Contact Name(s):	11. Licensee E-mail Address:	12. Licensee Telephone Number(s):
Mathew Gorsline Fred Boyer	mgorsline@nsf.org fboyer@nsf.org	734-214-6229 N/A

13. Inspection Type: ☐ Initial ☑ Routine ☐ Announced ☐ Non-Routine ☑ Unannounced

14. Locations Inspected: ☑ Hybrid ☑ Main Office ☐ Field Office ☐ Temporary Job Site ☐ Remote

15. Next Inspection Date (MM/DD/YYYY): 11/18/2027 ☑ Normal ☐ Extended ☐ Reduced ☐ No change

16. Location(s) Inspected List:

Main Office - 789 North Dixboro Road, Ann Arbor, MI 48105

17. Scope and Observations:

NSF International, an independent certifying organization that set public health standards for food, water, and consumer products, was specifically authorized to use microcurie quantities of strontium, radium, and thorium isotopes for calibration of laboratory instruments and preparation of quality control samples for testing at a designated radiochemistry laboratory at its global headquarters in Ann Arbor, Michigan. The organization also used numerous generally licensed ECDs containing nickel-63 in gas chromatographs.

On November 18, 2022, the inspector toured the facility in Ann Arbor. The radiochemistry laboratory was adequately posted, and all licensed material therein was adequately secured. Independent and confirmatory surveys of the radiochemistry laboratory found no evidence of residual contamination or exposures exceeding regulatory limits to members of the public in accessible areas. The inspector also examined each of the licensee's ECDs (including two new units pending installation) in a separate laboratory and found them to be in good condition and adequately labeled and vented. The inspector interviewed a supervised user and licensee management, observed demonstrations of quality control sample preparation, waste handling, and area surveys, and reviewed a selection of records including radiation safety training, quality control protocols, and leak test results for the ECDs.

On November 29, 2022, the inspector met with an authorized user via video teleconference to discuss implementation of licensee procedures for material ordering and receipt, accountability, and sewer release monitoring. The inspector also reviewed a selection of records provided by the user, including physical inventories and sewer monitoring evaluations.

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

Signature and Date - Branch Chief

Digitally signed by Rhex A. Edwards
Date: 2022.12.20 12:34:43 -06'00'