

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Therametric Technologies, Inc.
9880 Douglas Floyd Parkway
Noblesville, IN 46060

REPORT NUMBER(S) 2021001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-38263

4. LICENSE NUMBER(S)

13-32788-01

5. DATE(S) OF INSPECTION

November 18, 2021

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	Jason D. Draper, Health Physicist	Jason D. Draper	Digitally signed by Jason D. Draper Date: 2021.12.09 06:48:09 -06'00'
BRANCH CHIEF	Michael A. Kunowski	Michael A. Kunowski	Digitally signed by Michael A. Kunowski Date: 2021.12.10 13:16:03 -06'00'



Materials Inspection Record

1. Licensee Name: Therametric Technologies, LLC		2. Docket Number(s): 030-38263		3. License Number(s) 13-32788-01	
4. Report Number(s): 2021001			5. Date(s) of Inspection: November 18, 2021		
6. Inspector(s): Jason Draper		7. Program Code(s): 03620		8. Priority: 5	9. Inspection Guidance Used: IP 87126
10. Licensee Contact Name(s): Tara Ganovsky, RSO		11. Licensee E-mail Address: tganovsky@therametric.com		12. Licensee Telephone Number(s): 317-946-7302	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 11/18/2026 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was a routine unannounced inspection of a small research facility in Noblesville, Indiana, authorized by their license to use phosphorus-32 in activated human teeth for abrasion studies and to possess and store the activation product calcium-45. Use at the facility was limited to one room, though the licensee had another room with a backup liquid scintillation counter if needed. One individual (the RSO) actively used the material, and another routinely accessed the room to prepare slurries of toothpaste, but did not handle licensed material. Teeth were received from area oral surgeons, sent to the Texas A&M University research reactor for activation, and received at the licensee's facility around once monthly. Soluble waste was disposed through the sanitary sewer after sampling as licensee calculations demonstrated that such releases remained below regulatory limits. Because the teeth activated at Texas A&M were noted to contain calcium-45, they were not eligible for decay-in-storage. As such, the licensee has been storing this waste for future disposal. All other solid waste is held for decay-in-storage and disposed of in accordance with the decay-in-storage license condition. The licensee retained a contract physicist to provide expertise and quarterly reviews of the radiation safety program.

The inspector toured the licensee's facility to evaluate the licensee's measures for material security, exposure control, and postings. The inspector conducted independent surveys of the facility and found no evidence of residual contamination or area exposure rates in excess of regulatory limits to members of the public. Since the licensee did not have any studies using radioactive material on the day of the inspection, the inspector interviewed the RSO regarding the licensee's use of radioactive material, package receipt procedures, contamination control, and waste management, and found the RSO to be knowledgeable of NRC requirements and radiation safety practices. The inspector also reviewed a variety of records related to package receipt, inventory, waste disposal, dosimetry, and periodic program reviews.

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

Pavon, Martha

From: Tara Ganovsky <tganovsky@therametric.com>
Sent: Tuesday, December 14, 2021 7:05 AM
To: Draper, Jason
Subject: [External_Sender] RE: NRC 591M - Therametric Technologies

Hi Jason,

Thank you for sending the inspection report. I filed the report with our past inspections from the NCR. Have a wonderful day!

Thank you,

Tara Ganovsky

From: Draper, Jason [Jason.Draper@nrc.gov]
Sent: Monday, December 13, 2021 1:58 PM
To: Tara Ganovsky
Subject: NRC 591M - Therametric Technologies

Ms. Ganovsky,

As we discussed following my inspection, attached is the inspection report for the routine NRC inspection that was performed for your facility in Noblesville, Indiana on November 18, 2021. Please review and keep this document for your records. There is no response required, though I would appreciate an email confirming that you have received the document. Let me know if you have any questions.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made publicly available without redaction.

Jason Draper
Health Physicist (Inspector)
NRC / Region III / DNMS / MIB
(630) 829-9839
jason.draper@nrc.gov<<mailto:jason.draper@nrc.gov>>

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