



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  Medical Physics Consultants, Inc. 214 East Huron Street Ann Arbor, MI 48104  <b>Report Number(s)</b> 2024001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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<b>3. Docket Number(s)</b> 03018026	<b>4. License Number(s)</b> 21-20153-01	<b>5. Date(s) of Inspection</b> August 5-6, 2024
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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		
NRC INSPECTOR	Ryan Craffey / Carol Dye	<small>Digitally signed by RYAN CRAFFEY Date: 2024.08.21 14:35:38 -05'00'</small> <span style="margin-left: 20px;"> <small>Digitally signed by Carol J. Dye Date: 2024.08.21 15:44:05 -05'00'</small> </span>
BRANCH CHIEF	Rhex Edwards	<small>Digitally signed by RHEX EDWARDS Date: 2024.08.23 13:39:14 -05'00'</small>



## Materials Inspection Record

<b>1. Licensee Name:</b> Medical Physics Consultants, Inc.		<b>2. Docket Number(s):</b> 03018026		<b>3. License Number(s)</b> 21-20153-01	
<b>4. Report Number(s):</b> 2024001			<b>5. Date(s) of Inspection:</b> August 5-6, 2024		
<b>6. Inspector(s):</b> Ryan Craffey, Carol Dye		<b>7. Program Code(s):</b> 03221	<b>8. Priority:</b> 5	<b>9. Inspection Guidance Used:</b> IP 87141 and 87143	
<b>10. Licensee Contact Name(s):</b> James Carey, MS - RSO Tracy King, MS		<b>11. Licensee E-mail Address:</b> jcarey@mpcphysics.com tking@mpcphysics.com		<b>12. Licensee Telephone Number(s):</b> 734-662-3197	
<b>13. Inspection Type:</b> <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		<b>14. Locations Inspected:</b> <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		<b>15. Next Inspection Date (MM/DD/YYYY):</b> 08/05/2029 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
<b>16. Location(s) Inspected List:</b>  214 East Huron Street Ann Arbor, MI 48104					
<b>17. Scope and Observations:</b> <p>Medical Physics Consultants is a consultancy based in Ann Arbor, Michigan, and is authorized to use byproduct material for leak test analysis, survey instrument calibration, and in the teaching of radiation physics and radiation safety courses. The licensee employed about 40 consulting physicists and served around 1,500 clients across several states. The licensee also employed two technicians dedicated to survey instrument calibration and leak test analysis. The consultancy's Founder and President served as RSO, and one of the consulting physicists performed annual program audits, quarterly inventories and leak tests. The licensee stated that it does not offer to take possession of sources from clients and does not regularly ship radioactive material to or from its offices. The licensee likewise has not received a Mo/Tc generator for training purposes since before the last inspection.</p> <p>The inspection consisted of a tour of the facility in Ann Arbor, a review of records, independent measurements, and interviews with licensee personnel. The inspectors had one of the licensee's technicians: (1) demonstrate the survey instrument calibration process; (2) discuss security of licensed material; (3) demonstrate procedures for safe use and handling of licensed material; and (4) demonstrate leak-test wipes analysis procedures. The licensee indicated that no leak tests it analyzed since the last inspection had exceeded thresholds for reporting (i.e., 0.005 microcuries of removable material).</p> <p>The inspectors conducted independent surveys of the facility using agency-supplied instruments (Thermo Scientific RadEye G, s/n 30646, last calibrated 04/08/24 and Ludlum 26-1, s/n PF014246, last calibrated 05/09/24) and found neither contamination nor exposures to members of the public distinguishable from background. The inspectors also reviewed annual program audits and a selection of training documentation, dosimetry reports, area survey results, sealed source inventories and leak tests, and waste manifests for a shipment of disused calibration and reference sources made in November 2023.</p> <p>No violations of NRC requirements were identified as result of this inspection.</p>					

**Materials Inspection Record (Continued)**

Signature and Date - Branch Chief

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

Digitally signed by RHEX EDWARDS  
Date: 2024.08.23 13:38:36 -05'00'