



**ARIZONA DEPARTMENT OF HEALTH SERVICES  
BUREAU OF RADIATION CONTROL**

**NOTICE OF REGISTRATION CERTIFICATE FOR  
PARTICLE ACCELERATOR**

**RADIOACTIVE MATERIAL LICENSE**

Pursuant to Chapter 4, Title 30, Arizona Revised Statutes, and Title 9, Chapter 7 of the Arizona Administrative Code, and in reliance on statements and representations made to the Department by the registrant/licensee, a registration/license is hereby issued authorizing the reception, possession, and use of the particle accelerator listed in this registration/license at the places specified. This registration/license is subject to all applicable rules and Department orders now or hereafter in effect and to the conditions specified.

**REGISTRANT/LICENSEE**

- |             |   |                                 |                 |
|-------------|---|---------------------------------|-----------------|
| 1. NAME:    | Board of Regents<br>d/b/a University of Arizona                                       | 3. a. REGISTRATION/LICENSE NO.: | PA-126          |
|             |   | b. AMENDMENT NO.:               | -               |
| 2. ADDRESS: | Bryant Bannister Tree-Ring Building<br>1215 E. Lowell Street<br>Tucson, AZ 85721-0045 | 4. EXPIRATION DATE:             | August 30, 2034 |
|             |   | 5. TYPE OF MACHINE:             | Industrial      |

- |                   |               |                |
|-------------------|---------------|----------------|
| 6. MANUFACTURER.: | 7. MODEL NO.: | 8. SERIAL NO.: |
| A. IonPlus AG     | A. MICADAS    | A. 1000000093  |

9. **Authorized Use:**
- A. For dendrochronology research purposes only, not for human use.

**CONDITIONS**

10. This registration/license is valid for the registrant/licensee's facility stated in Item 2 above.
11. The registrant/licensee shall comply with the provisions of Title 9, Chapter 7, Arizona Administrative Code; Article 3, "Radioactive Material Licensing"; Article 4, "Standards for Protection Against Ionizing Radiation"; Article 9, "Particle Accelerators"; and Article 10, "Notices, Instructions, and Reports to Radiation Workers; Inspections".
12. The registrant/licensee shall notify the Department within 30 days of any change which renders the information contained in this registration/license inaccurate. A change in the ownership or possession of the source shall terminate this registration/license.
13. A. The radiation machine listed on this registration/license shall be used by personnel trained in accordance with a training program approved by the Registrant's/Licensee's Radiation Safety Committee.
- B. The registrant/licensee shall maintain a list of trained authorized users for Department review.
- C. The Radiation Safety Officer for the particle accelerator(s) is: Leon Harris

**POST IN ACCORDANCE WITH R9-7-1002**

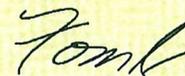
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SUPPLEMENTARY SHEETRegistration Number: PA-126  
Amendment Number:

14. No person, in any advertisement, shall refer to the fact that a source of radiation is registered/licensed with the Department and no person shall state or imply that any activity under this registration/license has been approved by this Department.
15. Upon initial beam on, the Registrant shall perform a confirmatory shielding survey to ensure conformance with Article 4 requirements.
16. For purposes of ending the principal activities authorized under this registration/license:
- A. The registration/license stays in effect beyond the registration/license expiration date. Beyond the expiration date the registrant/licensee shall store radioactive material only, until the Department authorizes its use by registration/license amendment, or the Department notifies the registrant/licensee in writing that the registration/license is terminated.
  - B. The registrant/licensee shall ensure the timeliness of decommissioning of facilities where principal activities are conducted under this registration/license in accordance with Department requirements.
  - C. The registrant/licensee shall continue to control public access into restricted areas and pay the annual licensing fee until the registration/license is terminated.
17. Except as specifically provided by the registration/license, the registrant/licensee shall possess and use the particle accelerator(s) described in this registration/license in accordance with statements and representations contained in:
- 1. Application dated July 09, 2024, signed by Leon Harris, RSO.

The most recent statements, representations, and procedures shall govern if they conflict with previously submitted documents, unless otherwise specified by a registration/license condition; and the Department's rules shall govern the registrant/licensee's statements in applications or letters.



BRIAN D. GORETZKI, BUREAU CHIEF



TOM SALOW, ASSISTANT DIRECTOR

DATE ISSUED:  
PRK:BDG:kgd

NOV 12 2024

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