

PUBLIC HEALTH DIVISION
Center for Health Protection, Radiation Protection Services

Kate Brown, Governor



800 NE Oregon Street, Suite 640
Portland, OR 97232
Voice 971-673-0490
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April 5, 2019

Met One Instruments, Inc.
Rick Hutchings, RSO
1600 NW Washington Boulevard
Grants Pass, OR 97526

Reference: License Number **ORE- 90941**
Amendment Number **26**
Docket Number **19-0110**

Dear Mr. Hutchings:

The enclosed amendment reflects changes to your radioactive materials license, as requested per email correspondence dated February 26, 2019. The license conditions have been updated. These changes have been made in boldface.

Please review the enclosed documents carefully and be sure that you understand all conditions. Should you have questions, or would like information in an alternate format, please do not hesitate to contact the Licensing Reviewer, Erin DeSempole email: erin.desempole@state.or.us, phone: 971-673-0510. Thank you for your continued cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Carpenter", with a stylized flourish at the end.

Todd Carpenter
Radioactive Materials Licensing Program Manager
Radiation Protection Services
todd.s.carpenter@state.or.us

Enclosure

STATE OF OREGON
OREGON HEALTH AUTHORITY
PUBLIC HEALTH DIVISION

Page 1 of 3 Pages
License No. ORE-90941
Amendment Number 26

RADIOACTIVE MATERIALS LICENSE

Pursuant to Section 274 of the Atomic Energy Act of 1954 as amended, Oregon Administrative Rules for the Control of Radiation and in reliance on statements and representations made by the Licensee referred to below. This license is hereby issued authorizing the Licensee to transfer, receive, possess and use radioactive material(s) designated below. This license is subject to all applicable rules, regulations, and orders now in effect by the OHA PUBLIC HEALTH DIVISION and all conditions specified below.

In accordance with email correspondence dated February 26, 2019, Oregon Radioactive Material License ORE-90941 is amended to read as follows:

1. Name Met One Instruments, Inc. 2. Address 1600 NW Washington Blvd. Grants Pass, Oregon 97526	3. License Number ORE-90941
	4. Expiration Date October 31, 2025
	5. License Type Manufacturing & Distribution

6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
A. Carbon-14	A. Sealed source (Eckert & Ziegler Nuclitec Drawing No. VZ-623)	A. No single source to exceed 75 microcuries for E-BAM, SB102, BAM-1030, BAM-1022, 9653 and 9683 devices. Total quantity in possession not to exceed 48 millicuries. [Nominal activity = 60 microcuries/source].
B. Carbon-14	B. Sealed source Eckert & Ziegler Nuclitec Drawing No. VZ-623)	B. One single source at nominal activity of 60 microcuries NIST (+/- 3%).
C. Carbon-14	C. Sealed source (Eckert & Ziegler Nuclitec Drawing No. VZ-623)	C. One single source at nominal activity of 80 microcuries NIST (+/- 3%).
D. Carbon-14	D. Sealed source (Canberra Drawing No. 6200-0528	D. Eight sources not to exceed 42.5 microcuries (+/-20%) each.
E. Carbon-14	E. Sealed source (Eckert & Ziegler Nuclitec Drawing No. VZ-623)	E. Five sources not to exceed 900 microcuries each.

9. Authorized use:

- A. For possession and use of sources listed in items 6 A., 7 A., and 8 A. above to be installed in Met One Instruments, Inc. Model BAM-1020, BAM-1030, BAM-1022, 9653 and 9683 devices and E-BAM devices including SB102 prototype devices during manufacturing process and quality control testing for the production of air quality monitoring devices.

RADIOACTIVE MATERIALS LICENSE

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(9.) Authorized use (cont.):

- B. and C. For Quality Assurance and Research & Development testing for production of air quality monitoring devices.
 - D. and E. For research and development.
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CONDITIONS

- 10. A. Licensed sources and devices shall be used or stored only at the licensee's facilities located at:
 - 1. 1600 NW Washington Boulevard, Grants Pass, Oregon 97526.
 - 2. 200 NE Greenfield Road, Grants Pass, Oregon 97526.
- B. This license also authorizes transport of licensed devices to a specific licensee's facility for demonstration or transfer; or use of licensed devices at temporary job sites for demonstration purposes only.
- 11. This license is subject to and void without an annual validation certificate. Insofar as the licensee has submitted the proper fee prior to the expiration of a validation certificate, such existing validation certificate shall not expire until the issuance of a new validation certificate for the then current fiscal year.
- 12. The Radiation Safety Officer for the activities authorized by this license is Rick Hutchings.
- 13. Licensed devices may only be transported or demonstrated by trained personnel designated by the Radiation Safety Officer. Records of Radiation Safety training shall be maintained by the licensee for review by Division inspection personnel.
- 14. The licensee shall ensure that each device transferred under this license is tested for leakage or contamination prior to transfer, pursuant to OAR 333-120-0460, and that each device meets all safety requirements of the manufacturer, pursuant to manufacturer's safety directives, prior to receipt by the specific licensee.
- 15. The licensee shall comply with provisions of OAR 333-102-0305 ("Terms and Conditions of Licenses") sections: requirement to use registered devices or sources, 6-month inventory, US Department of Transportation requirements to transport devices, requirement to perform safety inspection, prohibition to open sealed sources or detector cells, prohibition to modify devices or change labels, and 6-month leak test requirement. Records of inventories, inspections, and leak tests shall be kept until the Agency authorizes their disposition.
- 16. This license prohibits any maintenance or calibration of devices unless specifically certified and authorized by the manufacturer in writing. Maintenance or calibration of devices may only be performed pursuant to manufacturer's written specific procedures.

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CONDITIONS (cont.)

17. Any licensee authorized and certified by the manufacturer to perform maintenance and calibration of devices shall have the manufacturer's certification and authorization documentation at any site where materials or devices are being serviced or where device calibration or maintenance is being performed.
18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Oregon Rules for the Control of Radiation shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Email correspondence dated September 16, 2015, from Rick Hutchings, Manufacturing Engineer.
 - B. Application dated September 21, 2015, signed by James Riley Loftin, Chief Financial Officer.
 - C. Email correspondence dated October 13, 2015, from Rick Hutchings.
 - D. Email correspondence (2) dated October 15, 2015, from Rick Hutchings.
 - E. Email correspondence dated October 22, 2015, from Rick Hutchings.
 - F. Email correspondence dated June 2, 2017, from Rick Hutchings, Manufacturing Engineer.
 - G. **Email correspondence dated February 26, 2019, from Rick Hutchings, Production Engineer, Radiation Safety Officer.**

Date: April 5, 2019

FOR OHA PUBLIC HEALTH DIVISION

By



Todd Carpenter, Manager
Radioactive Materials Licensing Program