

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Universal Medical Resources, Inc. 207 Lange Drive Washington, MO 63090  REPORT NUMBER(S) 2016001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Rd, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S)  030-35121	4. LICENSE NUMBER(S)  24-32189-01	5. DATE(S) OF INSPECTION  September 1, 2016	

**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)


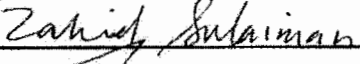
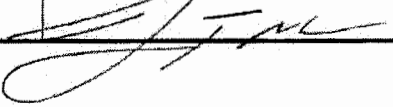
Title 10 CFR 71.5(a) requires that each licensee who transports licensed material outside the site of usage, as specified in the NRC license, or where transport is on public highways, or who delivers licensed material to a carrier for transport, shall comply with the applicable requirements of the DOT regulations in 49 CFR Parts 107, 171 through 180, and 390 through 397, appropriate to the mode of transport.

Title 49 CFR 172.702 requires that each hazmat employer shall ensure that each hazmat employee is trained and tested, and that no hazmat employee performs any function subject to the requirements of 49 CFR Parts 171-177 unless trained, in accordance with Subpart H of 49 CFR Part 172. The terms Hazmat Employer and Hazmat Employee are defined in 49 CFR 171.8.

(Continued on Part 2)

**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	Jason Kitchell		9/22/16
NRC INSPECTOR	Zahid Sulaiman, Health Physicist		9/20/16
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB		9/21/16

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(Continued)

Title 49 CFR 172.704(a) specifies the elements of hazmat employee training as: (1) general awareness/familiarization training, (2) function-specific training, (3) safety training; (4) security awareness training; and (5) in-depth security training, if applicable. Title 49 CFR 172.704(c)(2) requires, in part, that a hazmat employee receive initial training and recurrent training at least once every three years.

Contrary to the above, as of September 1, 2016, the licensee failed to provide initial training to its three hazmat employees and a recurrent training at least once every three years to one hazmat employee that satisfied the requirements in Subpart H to 49 CFR Part 172, and the licensee otherwise meets the definition of hazmat employer in 49 CFR 171.8. Specifically, one hazmat employee had not completed the recurrent training since his initial training more than three years ago.

The root cause of the violation was that the licensee was unaware of the DOT hazmat training requirement. As corrective action licensee committed to provide the required hazmat training to its employees and that the recurrent hazmat training will be provided at least once every three years.

This is a Severity Level IV Violation (Section 6.3.d.4)

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  87126	7. INSPECTION FOCUS AREAS  03.01-03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03620	2. PRIORITY  5	3. LICENSEE CONTACT  Michael Wiese, RSO	4. TELEPHONE NUMBER  (314) 974-9891
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Main Office Inspection                      Next Inspection Date: 09/01/2021

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine inspection of a service, repair, and refurbished parts for nuclear medical imaging equipments company. The licensee had five authorized user (AU) and 12 technicians who uses byproduct materials under the supervision of AU for testing response and performance systems of gamma cameras. These personnel used millicurie quantities of technetium-99m and thallium-201 received from a licensed radiopharmacy, as well as sealed sources of americium-241 and cobalt-57, for calibration and testing of the gamma cameras. The licensee was authorized to used sodium-22 (Na-22), but had not used the Na-22 at all.

The licensee had renamed the company to Universal Medical and will send the license amendment request to reflect the company name change.

**Performance Observations**

The inspector toured the facility, observed the storage area, hot lab, and the manufacturing floor where the byproduct materials are used for service, repair, and refurbish of gamma cameras. The inspector: (1) observed the AU conduct a physical inventory of sealed sources, and all sources were accounted for; (2) had AU demonstrate package receipt and return surveys, the end of the day daily area surveys and weekly wipes, proper handling of radioactive waste, and disposal procedures. The AU demonstrated an adequate level of understanding of emergency and handling procedures. The licensee had a consulting company conduct the calibration, leak tests, and audit of the program every six months. The inspector reviewed the program audits, waste disposal records, sealed source leak tests and inventories, and radiation safety training, with no issues noted. The inspector reviewed dosimetry records for 2014, 2015 and as of June 30, 2016, indicating maximum annual whole body dose to be 452 millirem. The inspector performed independent radiation measurements which indicated results consistent with licensee survey records and postings.

During this inspection, the inspector identified one violation regard to DOT hazmat training. Specifically, three licensee personnel had not done the initial training and one personnel had not received recurrent training at the required three year interval since the initial training. The violation, root cause, and corrective actions are described in Part 1 & 2 of this form.