

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Triad Isotopes, Inc. 4205 Vineland Road, STE L1 Orlando, FL 32811 Location inspected: 2252 E. 14 Mile Road, Warren, MI REPORT NUMBER(S) 2017001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
--	---

3. DOCKET NUMBER(S) 030-38278	4. LICENSE NUMBER(S) 09-32781-02MD	5. DATE(S) OF INSPECTION August 4, 2017
--------------------------------------	---	--

6. INSPECTION PROCEDURES USED 87127	7. INSPECTION FOCUS AREAS All
--	--------------------------------------

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02500	2. PRIORITY 2	3. LICENSEE CONTACT Lisa Koss, R.Ph. - RSO	4. TELEPHONE NUMBER (586) 268-5300
---------------------------------	----------------------	---	---

Main Office Inspection Next Inspection Date: August 4, 2019

Field Office Inspection 2252 E. 14 Mile Road, Warren, MI

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a radiopharmacy in Warren, Michigan, which served approximately 25-30 clients in southeast Michigan and northern Ohio. The pharmacy operated seven days per week from 12:00 am to 1:00 pm. The pharmacy distributed 160-240 doses each weekday. The pharmacy's first run began around 12:30 am, but could vary depending on demand. Deliveries for the first run were out around 3:00 am. The second run began around 5:30 am. In addition to unit and bulk doses of technetium-99m, the pharmacy also compounded between two and four iodine-131 capsules per week.

The inspectors toured the facility in Warren to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspectors conducted independent surveys of unrestricted areas, and found no residual contamination or exposures to members of the public in excess of regulatory limits. The inspectors observed a variety of activities on the licensee's first run, including generator elution, molybdenum breakthrough evaluation, kit preparation, dose drawing, client package preparation, and vehicle loading. The licensee's staff also demonstrated the implementation of procedures for area surveys, package surveys, and decay-in-storage waste handling. Through these demonstrations and other discussions, the inspectors found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements.

The inspectors also reviewed a selection of licensee records for molybdenum breakthrough checks, dose calibrator quality control, I-131 release evaluations, daily restricted area and weekly unrestricted area surveys, decay-in-storage waste disposals, hazmat training, quarterly program audits and personnel dosimetry, which indicated maximum exposures in 2016 of 199 mrem whole-body / 9480 mrem extremity, and 77 mrem whole-body / 5040 mrem extremity in 2017 through the month of June.

The inspectors also verified corrective actions for violations identified in both 2013 and 2015 regarding the licensee's failure to maintain control of licensed material by leaving packages containing the material with non-licensee personnel. No additional violations of this requirement were identified; therefore, the previous violations are closed.

No violations of NRC requirements were identified during this inspection.