



**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Cameron Regional Medical Center 1600 E. Evergreen Cameron, MO 64429  REPORT NUMBER(S) 14-001	2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Rd, Suite 210 Lisle, IL 60532
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3. DOCKET NUMBER(S)  030-34706	4. LICENSE NUMBER(S)  24-32075-01	5. DATE(S) OF INSPECTION  11/07/2014
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6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  03.01-03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  Vernon Boswell, Radiology Manager	4. TELEPHONE NUMBER  (816) 632-2101
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Main Office Inspection                      Next Inspection Date: 11/07/2017

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

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

**PROGRAM SCOPE**

This was a routine inspection. This licensee was a small medical center, with 20-beds, authorized under NRC license to use byproduct materials for medical uses permitted by 10 CFR 35.100, 35.200, and 35.300. The nuclear medicine department work hours are from 7 AM - 3 PM, Monday through Friday. The nuclear medicine department was staffed with two nuclear medicine technologists (NMT) who performed approximately 40 diagnostic nuclear medicine procedures monthly. Doses were primarily technetium-99m for bone, cardiac, biliary, and other studies. The licensee received unit doses from Cardinal Health, Kansas City, MO. In addition, the licensee performed no I-131 hyperthyroidism treatment (HTT) procedures since the last inspection.

**Performance Observations:**

The inspectors: (1) observed an NMT prepare and administer a Tc-99m unit dose to a patient, (2) observed an NMT use a syringe shield to reduce radiation exposure, (3) observed NMT conduct physical inventory of sealed sources, and all of the selected sources were accounted for, (4) had the NMT demonstrate the dose calibrator constancy check, the radioactive material package receiving and check-in procedures, how the package was surveyed and wipe test was counted, (5) had the NMT demonstrate the end of the day daily and weekly area surveys, (6) had the NMT demonstrate proper handling of radioactive waste for decay-in-storage, (7) reviewed annual radiation safety program audits and radiation safety committee meeting minutes, (8) reviewed records for survey instrument calibration, dose calibrator linearity, accuracy and geometry test, (9) reviewed dosimetry records for 2012, 2013, & 2014, indicating the maximum annual dose to be 429 mrem - DDE, and 875 mrem - SDE, (10) had the NMT demonstrate how she would respond to a radioactive material spill based on a scenario posed by the inspectors, and (11) performed independent radiation measurements of the hot lab, imaging, and stress room areas which was consistent with licensee's survey result. No violation of NRC regulatory requirements were identified during this inspection.