

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Freeman Neosho Hospital 113 West Hickory Neosho, Missouri REPORT NUMBER(S) 2015-001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-34412	4. LICENSE NUMBER(S) 24-26789-01	5. DATE(S) OF INSPECTION 4/1/15
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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 02.01 through 02.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02121	2. PRIORITY 5	3. LICENSEE CONTACT Paul Jones, M.D., RSO	4. TELEPHONE NUMBER (417) 451-1234
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Main Office Inspection Next Inspection Date: 04/01/2020

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee conducted diagnostic imaging only on Mondays and Tuesdays from 7:00am to 3:30pm. About 6 studies were conducted per week. The studies primarily included bone scans, ventilation/perfusion lung scans, and hepatobiliary scans. The licensee did not use generators and received unit dosages from an authorized local nuclear pharmacy. The licensee's RSO visited the site about twice per year to review safety. In addition, the RSO reviewed the dosimetry badge reports monthly and reviewed a consultant's reports of audits of the licensee's radiation protection program that were done quarterly.

Performance Observations

The inspector: (1) observed that licensed material was secured as required; (2) noted that selected fire extinguishers were charged and checked at the frequency indicated on the affixed tag; (3) used an NRC owned survey instrument to measure a maximum of 0.02 milliroentgens per hour at selected surfaces adjacent to the hot lab that contained licensed material; (4) observed a nuclear medicine technologist (NMT) conduct an operability test on a Caprac well counter prior to first use for the day which included a constancy check, and the NMT knew the action levels and what action to take if action levels are exceeded; (5) observed an NMT conduct survey instrument battery and constancy checks on a properly calibrated survey instrument prior to first use for the day (6) observed an NMT conduct package receipt ambient and exposure rate surveys; (7) observed an NMT don whole body and extremity dosimeter badges while conducting licensed activities; (8) observed an NMT prepare and administer an intravenous dosage of licensed material to a patient which included donning gloves, checking the syringe label, measuring the dosage activity, verifying the patient's identification, using a syringe shield, using an L-block, and using absorbent paper (9) observed and NMT demonstrate how radioactive waste was disposed of by decay-in-storage; (10) observed an NMT demonstrate how she would respond to a radioactive spill based on a spill scenario posed by the inspector; (11) observed an NMT conduct an end-of-day area ambient exposure rate survey; (12) observed an NMT conduct a physical inventory of the sealed sources and all were accounted for based on the latest inventory record; (13) reviewed dosimetry records from 2009 through 1/31/15 and noted that the highest whole body and extremity doses were 75 millirem and 98 millirem, respectively; and (14) reviewed selected radiation protection program audit records, survey instrument calibration records, and area survey records.