

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Salem Memorial District Hospital Highway 72 N. Salem, 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) 030-17320	4. LICENSE NUMBER(S) 24-18891-01	5. DATE(S) OF INSPECTION 8/3/15, with in-office review through 8/12/15
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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)

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			
NRC INSPECTOR	Robert G. Gattone, Jr.	<i>Robert G. Gattone, Jr.</i>	8/27/15
BRANCH CHIEF	Aaron T. McCraw	<i>ATM</i>	8/28/15

Docket File Information

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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02220	2. PRIORITY 3	3. LICENSEE CONTACT Qasim M.Bajwa, M.D., RSO	4. TELEPHONE NUMBER (314) 550-3494
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Main Office Inspection Next Inspection Date: 08/03/2018
 Field Office Inspection _____
 Temporary Job Site Inspection _____

PROGRAM SCOPE

The in-office review included receipt of information that was unavailable during the onsite inspection, including the licensee's procedure for monitoring occupational dose. The licensee conducted licensed activities at the Salem facility on Thursdays from 8:00am to 4:00pm. The licensee conducted bone, hepatobiliary, and cardiac perfusion imaging with technetium-99m labeled radiopharmaceuticals about 3 times per week. Iodine-123 was administered about 4 times per year for thyroid uptake studies. No iodine-131 was used. The licensee had one full-time nuclear medicine technologist (NMT). The NMT was also employed by Nuclear Diagnosis, Inc. that had NRC License No. 24-17561-01 authorizing nuclear medicine activities. On 4/15/15, the Nuclear Diagnosis, Inc.'s license was amended to add Texas County Memorial Hospital in Houston, Missouri as a location of use; therefore, the licensee no longer conducted mobile licensed activities at Texas County Memorial Hospital. The licensee had no plans to conduct licensed activities at temporary job sites. The licensee did not use any generators.

Performance Observations

The inspector: (1) reviewed dosimeter badge records and noted that the annual maximum whole body and extremity doses received by radiation workers between 2011 and 5/31/15 were 338 millirems and 810 millirems, respectively; (2) observed that the hot lab was posted and secured as required; (3) used an NRC owned, calibrated survey instrument to measure a maximum of 0.02 milliroentgen per hour at selected surfaces of the hot lab; (4) observed that selected licensee survey instruments were calibrated as required; (5) noted that the RSO has observed licensed activities periodically to verify safe use of licensed material; (6) observed the NMT demonstrate how he had conducted package receipt surveys and noted that the NMT knew the action levels and how to respond if an action level is exceeded; (7) observed the NMT conduct a dose calibrator constancy test; (8) observed the NMT demonstrate how to respond to a radioactive spill based on a scenario posed by the inspector; (9) observed the NMT demonstrate how radioactive waste was disposed of; (10) observed the NMT demonstrate how he prepared LQ packages for transfer; (11) reviewed inventory records for selected sources; (12) reviewed selected radiation protection program audit records; and (13) reviewed selected leak test records.