

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Metro Heart Group of St. Louis, Inc. 12855 N Forty Road St. Louis, MO 63141 REPORT NUMBER(S) 13-01	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) 030-35037	4. LICENSE NUMBER(S) 24-32184-01	5. DATE(S) OF INSPECTION 7/10/13
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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 3.01-3.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02201	2. PRIORITY 5	3. LICENSEE CONTACT Bassam Roukoz, M.D., RSO	4. TELEPHONE NUMBER (314) 997-6001
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Main Office Inspection Next Inspection Date: 07/10/2018

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

The licensee was a small clinic authorized to perform studies permitted by 10 CFR 35.100 and 35.200. The clinic was staffed with one full-time nuclear medicine technologist who performed approximately 6-8 diagnostic cardiac studies per day (Monday through Friday). The licensee primarily used Tc-99m for stress (with an average dose between 30-33 mCi) and resting (with an average dose of 10 mCi) myocardial perfusion studies. The licensee ordered unit doses from a local radiopharmacy; doses were delivered in both the morning and afternoon. Radioactive waste was held for decay in storage in the nuclear medicine hot lab, and staff disposed of waste after surveying and determining it was at background levels. Additionally, the licensee had an outside consultant perform annual audits of the radiation control program.

Performance Observations

The inspection consisted of interviews with licensee personnel, reviews of select records, a tour of the nuclear medicine hot lab, and independent measurements. The inspector observed a technologist draw, assay, and administer dosages for two diagnostic cardiac studies (one stress and one rest). Additionally, the inspector observed the technologist use a syringe shield to handle the material prior, and during administration. The inspection included observations of dose calibrator QA checks, package receipt surveys and wipes, and an inventory spot check with no identified issues. Independent measurements were taken in the nuclear medicine hot lab, the patient injection area, and on the treadmill used for cardiac stress testing; there were no readings observed above background. Annual audit reports, leak test records, daily survey records, weekly wipe tests, meter calibrations, and dosimetry reports were also reviewed. The maximum whole body (TEDE) and extremity (SDE) exposures (in mrem) since the last inspection were 318 and 730 respectively.