

Docket File Information
SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION



1. LICENSEE Des Peres Hospital REPORT NUMBER(S) 2007-001		2. NRC/REGIONAL OFFICE Region III	
3. DOCKET NUMBER(S) 030-35144		4. LICENSE NUMBER(S) 24-32195-01	5. DATE(S) OF INSPECTION Sept. 20, 2007
6. INSPECTION PROCEDURES USED 87131		7. INSPECTION FOCUS AREAS 03.01 - 03.08	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT Daniel Abodeely, M.D., RSO	4. TELEPHONE NUMBER 314-966-9390
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Main Office Inspection Next Inspection Date: **Sept. 2010**

Field Office _____

Temporary Job Site _____

PROGRAM SCOPE

The licensee was a 157-bed hospital located in St. Louis, Missouri, which served primarily rural areas west and southwest of St. Louis. Licensee had authorization to use byproduct materials under Sections 35.100, 35.200, and 35.300. Licensed activities were conducted only at the facility identified on the license.

The nuclear medicine department was staffed with two full-time nuclear medicine technologists, and two additional technologists who filled in as needed. The licensee's nuclear medicine staff typically administered 250 diagnostic doses monthly. Doses were primarily technetium-99m for cardiac, bone, and other studies. Doses were received as unit doses from a licensed radiopharmacy or prepared from bulk technetium. Licensee performed approximately six iodine-131 treatments for hyperthyroidism annually, with the iodine-131 in capsule form. All waste was held for decay-in-storage or returned to the radiopharmacy.

Performance Observations

The inspector observed two diagnostic administrations of licensed material including dose preparation and disposal, and identified no issues with the activities. Licensee personnel demonstrated dose calibrator constancy tests, survey meter and wipe counter QC, package receipt and return surveys, and cardiac stress and iodine-131 procedures. The inspector found no concerns with these activities. The inspector reviewed written directives for iodine-131 procedures, and found no issues. Interviews with licensee staff indicated adequate knowledge of radiation safety procedures and concepts. Surveys indicated appropriate radiation levels in restricted and unrestricted areas.