



**Docket File Information**  
**SAFETY INSPECTION REPORT**  
**AND COMPLIANCE INSPECTION**



1. LICENSEE <b>King's Daughters Hospital and Health Services</b> REPORT NUMBER(S) 2006-001	2. NRC/REGIONAL OFFICE <b>Region III</b>
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3. DOCKET NUMBER(S) <b>030-14051</b>	4. LICENSE NUMBER(S) <b>13-18692-01</b>	5. DATE(S) OF INSPECTION <b>May 23, 2006</b>
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6. INSPECTION PROCEDURES USED <b>87131</b>	7. INSPECTION FOCUS AREAS <b>03.01 - 03.07</b>
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) <b>02120</b>	2. PRIORITY <b>3</b>	3. LICENSEE CONTACT <b>William Skiles, M.D., RSO</b>	4. TELEPHONE NUMBER <b>812-265-0135</b>
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Main Office Inspection      Next Inspection Date: **May 2009**

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

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

**PROGRAM SCOPE**

The licensee was a 120-bed hospital located in Poplar Bluff, Missouri which served the surrounding nine-county area in Indiana and Kentucky. Licensee had authorization to use byproduct materials under Sections 35.100, 35.200 (excluding generators and xenon-133), and 35.300. Licensed activities were conducted only at the facility indicated on the license.

The nuclear medicine department was staffed with six full-time nuclear medicine technologists who also worked in ultrasound and other areas. The technologists typically performed 260 diagnostic procedures monthly in the nuclear medicine area. Doses were primarily technetium-99m for cardiac, bone, hepatobiliary, and other studies. In addition, licensee performed occasional studies using iodine-123. Doses were received as unit doses from a licensed radiopharmacy or prepared from bulk technetium-99m. Licensee performed around four iodine-131 hyperthyroid treatments annually, with the iodine-131 in capsule form. All waste was returned to the radiopharmacy or held for decay-in-storage.

**Performance Observations**

The inspector was observed two diagnostic administrations of licensed material, including dose preparation and disposal. Licensee personnel demonstrated package receipt surveys, dose calibrator constancy tests, and daily contamination surveys. Licensee staff explained procedures for weekly contamination surveys, wipe counter checks, and package return surveys. The inspector found no concerns with these activities. The inspector reviewed written directives for radiopharmaceutical therapies and found no issues. Interviews with licensee staff indicated adequate knowledge of radiation safety procedures. Radiation surveys indicated radiation levels consistent with licensee survey records.