

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Dearborn County Hospital REPORT NUMBER(S) 2008-001		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-12564	4. LICENSE NUMBER(S) 13-17327-01	5. DATE(S) OF INSPECTION July 23, 2008	
6. INSPECTION PROCEDURES USED 87130, 87131, 87132	7. INSPECTION FOCUS AREAS 03.01 – 03.08		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02120	2. PRIORITY 3	3. LICENSEE CONTACT Bruce Canfield, CNMT, RSO	4. TELEPHONE NUMBER 812-537-8155
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Main Office Inspection Next Inspection Date: July 2011

Field Office _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This licensee was a 200-bed hospital, authorized to use licensed material permitted by Sections 35.100, 35.200, 35.300, 35.400 (I-125 and Pd-103 prostate implants). The nuclear medicine department was staffed with four full-time technologists who performed approximately 200+ diagnostic nuclear medicine procedures per month. The licensee received unit doses and bulk Tc-99m from a licensed radiopharmacy. The hospital performed a full spectrum of nuclear diagnostic imaging studies. Radioiodine use declined during 2006 and 2007 due to lack of referrals by an endocrinologist; the hospital only administered one treatment hyperthyroid treatment each year. The hospital expects its iodine use to increase because a new endocrinologist will have referral privileges. The licensee retained the services of a consulting physicist to audit the radiation safety program on a quarterly basis (last audit 5/1/2008 with no findings or violations identified).

The radiation therapy activities were performed by a contract medical physicist and one authorized physician user. Brachytherapy activities were limited to I-125 and Pd-103 permanent implants (8-10 cases annually).

This inspection consisted of interviews with licensee personnel, a review of selected records, tours of the nuclear medicine and radiation oncology departments, and independent measurements. The inspector observed licensee nuclear medicine personnel prepare, assay and administer several unit doses for various imaging procedures. The inspection included observations of dose calibrator QA checks, package receipts and surveys, and area surveys.