

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Edward W. Sparrow Hospital 1215 East Michigan Ave., Lansing, MI and 805 S. Oakland St., St. Johns, MI REPORT NUMBER(S) 11-01	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) 030-02009	4. LICENSE NUMBER(S) 21-01430-01	5. DATE(S) OF INSPECTION 10/25/11 - 10/27/11
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6. INSPECTION PROCEDURES USED 87131, 87132	7. INSPECTION FOCUS AREAS 3.01-3.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02230	2. PRIORITY 2	3. LICENSEE CONTACT Martin Johnson, RSO	4. TELEPHONE NUMBER (517) 364-2318
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Main Office Inspection Next Inspection Date: 10/1/2013

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

At the 1215 East Michigan Ave., Lansing facility, the licensee conducted activities authorized per 10 CFR 35.100-35.400 (limited to about 20 I-125 prostate implants per year). In addition, the licensee used its authorized HDR unit to conduct about 10 breast treatments, 25 gynecological treatments, and 2 lung treatments per year. At the 805 S. Oakland St., St. Johns facility, the licensee conducted activities authorized per 10 CFR 35.100 and 35.200. Licensed activities occurred Monday through Friday from 7:00 am to 4:00 pm.

The inspectors observed: (1) the licensee conduct an HDR treatment; (2) 0.5 mR/hr at the exterior surface of the HDR door with the source unshielded based on use of a calibrated NRC survey instrument; (3) that selected licensee survey instruments were calibrated as required; (4) a demonstration of how HDR spot checks were conducted; (5) that selected HDR, manual brachytherapy, and iodine treatments were administered in accordance with the written directives and treatment plans (as applicable); (6) dosimetry records showing that monitored personnel received annual whole body and extremity doses no more 460 millirem and 2,540 millirem, respectively, between 2009 and September 4, 2011; (7) selected records of radiation protection program audits, leak tests, and Radiation Safety Committee meetings; (8) an authorized person demonstrate how an irradiator was used; (9) an authorized person demonstrate how generator elutions and molybdenum-99 breakthrough tests were done; (10) a radiation worker demonstrate how daily survey instrument operability checks were done; (11) that a side-by-side ambient exposure rate confirmatory survey indicated a good correlation between the NRC's instrument and the licensees calibrated survey instrument; (12) that radiation workers wore dosimeter badges and rings; (13) a nuclear medicine technologist (NMT) demonstrate how to respond to a radiation spill based on a scenario posed by the inspectors; (14) an NMT demonstrate how received packages were surveyed; and (15) an NMT prepare and administer a diagnostic dosage to a patient.