

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Sentinel Imaging, LLC
19141 Greenfield
Detroit, MI 48236

REPORT NUMBER(S): 11-02

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

3. DOCKET NUMBER(S)

030-38088

4. LICENSEE NUMBER(S)

21-32756-01

5. DATE(S) OF INSPECTION

July 29, 2011

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

1. Based on the inspection findings, no violations were identified.

2. Previous violation(s) closed.

3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied

_____ Non-cited violation(s) were discussed involving the following requirement(s):

4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Andrew M. Bramnik	<i>Andrew M. Bramnik</i>	8/3/2011
Branch Chief	Tamara E. Bloomer	<i>T. Bloomer</i>	8/3/11

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE Sentinel Imaging, LLC REPORT NUMBER(S) 11-02	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission, Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532
--	---

3. DOCKET NUMBER(S) 030-38088	4. LICENSEE NUMBER(S) 21-32756-01	5. DATE(S) OF INSPECTION July 29, 2011
6. INSPECTION PROCEDURES 87130	7. INSPECTION FOCUS AREAS 03.01 – 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 2201	2. PRIORITY 5	3. LICENSEE CONTACT Laura Smith, Consultant Physicist Alton Garfield Smith, M.D., RSO	4. TELEPHONE NUMBER 313-732-7714
--------------------	------------------	---	-------------------------------------

- Main Office Inspection
 Field Office Inspection _____
 Temporary Job Site Inspection _____
- Next Inspection Date: July 2016

PROGRAM SCOPE

This was a follow-up inspection of activities performed under this license. This inspection was being performed four months after an initial inspection could not be completed on March 23, 2011, because the licensee had not begun principal activities. The licensee had occupied two rooms in a mixed-use medical practice facility since September 2010, and conducted diagnostic cardiac nuclear medicine studies using unit doses received from an area nuclear pharmacy. One part time nuclear medicine technologist performed studies almost exclusively on Fridays. Since beginning licensed activities in April 2011, the licensee had seen approximately 20 patients over eight Fridays.

PERFORMANCE OBSERVATIONS

At the time of the inspection, the licensee's gamma camera had been out-of-service since May 6, 2011. Although the licensee had scheduled patients and received doses on most Fridays since then, a malfunctioning CPU unit in the camera had not been fully repaired after several service calls. The inspector discussed this with the RSO and the consultant physicist, who stated that the licensee would continue to have the unit serviced in order to keep seeing patients.

Records of all package receipts, dose calibrator constancy checks, area surveys, and weekly wipes since the licensee began seeing patients were complete and consistent. The inspector determined that records of the nuclear medicine technologist's training were also satisfactory. An outside consultant performed quarterly program audits that were adequate to oversee the program. Licensed material was adequately secured and not readily accessible to members of the general public. The licensee possessed a radiation survey meter that was calibrated and operational. Independent measurements did not indicate readings in excess of Title 10 of the Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas.

The consultant stated that the licensee may not stay in business beyond January 2012, as their camera was unlikely to pass national accreditation standards. The consultant stated that she would transfer the licensee's sources to either St. John's Hospital or Radiological Physics Services if Sentinel Imaging decides to terminate their NRC license. The consultant stated that she was familiar with the requirements in 10 CFR 30.36(d) for notifying the NRC as well as procedures for conducting close-out surveys.

No violations were identified during this inspection.