

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Ronald Stewart, D.O. 42370 Van Dyke Sterling Heights, MI 48314 REPORT NUMBER(S) 2010/001		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-33135	4. LICENSEE NUMBER(S) 21-26489-01	5. DATE(S) OF INSPECTION June 9, 2010, with continued NRC in office review through 6/19/2010	

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) was/were discussed involving the following requirement(s) and Corrective Action(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.
(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

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	E. Kulzer/R. Gattone	<i>E. Kulzer, Robert Gattone</i>	6/17/2010

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6. INSPECTION PROCEDURES USED 87130	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02201	2. PRIORITY 5	3. LICENSEE CONTACT Joel Kahn, M.D.	4. TELEPHONE NUMBER 586-254-1177
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: <u>June 2015</u>
<input type="checkbox"/> Field Office	
<input type="checkbox"/> Temporary Job Site Inspection	

PROGRAM SCOPE

The routine inspection began on June 9, 2010, with in office review through June 19, 2010. The licensee was a medical clinic located in Sterling Heights, Michigan, and authorized to use any byproduct material permitted by 10 CFR 35.100 and 35.200. Licensed activities were conducted in the nuclear medicine scanning room at the authorized location indicated on the license. The nuclear medicine department was staffed with one nuclear medicine technologist (NMT). The NMT routinely conducted six cardiac studies on Tuesdays and Wednesdays each week from about 9:00am to 3:00 pm. The licensee received unit doses as ordered from a local licensed nuclear pharmacy. All waste was held for decay in storage (DIS) or returned to the nuclear pharmacy as a limited quantity shipment. No change in ownership or NMT since the previous inspection.

Performance Observations

During the inspection, the licensee's NMT demonstrated/discussed : (1) survey meter use; (2) package check-in procedures and wipe test counting; (3) dosimetry; (4) safe handling techniques; (5) security; (6) radiation safety program audits, survey instrument calibration, sealed source inventory, leak tests, radiation surveys, dosage preparation and administration, and dose calibrator constancy checks.

The inspectors noted a discrepancy regarding the calibrated activity of the cesium-137 source used for dose calibrator checks. Specifically, the handwritten label on the source indicated 250 microcuries on 8/5/1980; however, the licensee's consultant used a calibration activity of 332 microcuries on 8/5/1980, which is 24% higher than 250 microcuries. The consultant's use of 332 microcuries to establish action levels for dose calibrator constancy checks was based on a previous consultant's audit report. The source calibration certificate could not be found. On 6/9/2010, the licensee measured 165.5 microcuries for the source, consistent with the calibration activity of 332 microcuries on 8/5/1980. Based on the inspector's review of selected dosage administration records, corrected for decay based on the unit dosage calibration information, the licensee administered licensed material as prescribed and there was no indication of dose calibrator problems. As a conservative measure, the licensee obtained a new cesium-137 source for dose calibrator constancy checks, and the new source had the calibration certificate that included the source activity and calibration date.

The in-office review included follow-up on the licensee's attempt to have the manufacturer provide it with the source calibration certificate, which failed. In addition, it included follow-up of the licensee's actions to replace the source with a comparable source that had a calibration certificate. The former source with no calibration certificate has been taken out of service and is in storage at the licensee's facility.