

INSPECTION RECORD

Region III **Inspection Report No.** 030-37428/2008-001
License No. 13-32637-01MD **Docket No.** 030-37428

Licensee (Name and Address):
Radiopharmacy of Indianapolis
Corporate Center North II Bldg A
6538 Corporate Drive
Indianapolis, Indiana 46278

Licensee Contact: Brian Hardesty – RSO/Manager **Telephone No.** 317-347-0102

Priority: 2 **Program Code:** 2500

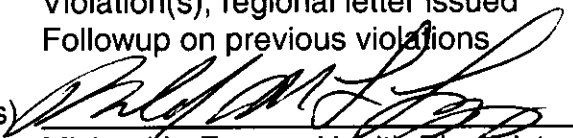
Date of Last Inspection: NA
Date of This Inspection: April 16, 2008 with continuing NRC review through May 5, 2008

Type of Inspection: Initial Announced Unannounced
 Routine Special

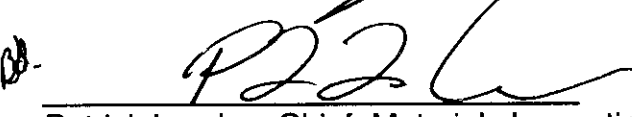
Next Inspection Date: 5/2010 Normal Reduced
Justification for reducing the routine inspection interval:
NA

Summary of Findings and Actions:

- No violations cited, clear U.S. Nuclear Regulatory Commission (NRC) Form 591 or regional letter issued
- Non-cited violations (NCVs)
- Violation(s), Form 591 issued
- Violation(s), regional letter issued
- Followup on previous violations

Inspector(s) 
Michael LaFranzo, Health Physicist

Date 5/27/08

Approved 
Patrick Loudon, Chief, Materials Inspection Branch

Date 5/30/08

PART I-LICENSE, INSPECTION, INCIDENT/EVENT, AND ENFORCEMENT HISTORY

1. AMENDMENTS AND PROGRAM CHANGES:

<u>Amendment No.</u>	<u>Date</u>	<u>Subject</u>
Initial	4/3/07	Application

2. INSPECTION AND ENFORCEMENT HISTORY:

NA – Initial Inspection

3. INCIDENT/EVENT HISTORY:

None

PART II - INSPECTION DOCUMENTATION

1. ORGANIZATION AND SCOPE OF PROGRAM:

Brian Hardesty – RSO/Pharmacist/Manager
Yogesh Patel – Pharmacist

This pharmacy is open from 4am to 4 pm – Monday through Friday. It had approximately 20 customers and distributed mainly Tc-99m but also I-131 capsules (2-3 per week). The licensee uses Mallinckrodt generators to obtain the Tc-99m. The licensee had two pharmacists and 8 part time drivers.

2. SCOPE OF INSPECTION:

Inspection Procedure(s) Used: 87127

Focus Areas Evaluated: 3.1 to 3.7

3. INDEPENDENT AND CONFIRMATORY MEASUREMENTS:

The inspector conducted radiological surveys in restricted areas and unrestricted areas of the radiopharmacy. No abnormal radiation levels were identified. The inspector performed comparison measurements between NRC and licensee radiation detection instrumentation and no significant differences were noted.

4. VIOLATIONS, NCVs, AND OTHER SAFETY ISSUES:

Condition 22 of the license required that the licensee conduct its program in accordance with the statements, representations, and procedures in an application dated November 13, 2006.

Item 9 of the application dated November 13, 2006 states, in part, that the radioiodine hood will be equipped with a charcoal filtration system consisting of two charcoal filters (1'x1'x1") stacked one on top of the other. However, as of April 16, 2008, the licensee's charcoal filtration system did not consist of two charcoal filters (1'x1'x1") stacked one on top of the other. Specifically, the licensee removed approximately one third to one half of the charcoal from each of the two filters such that the stacked filters contained a total of less than two inches of charcoal, resulting in a violation of Condition 22 of the license.

The licensee stated that the charcoal was removed from the filters to increase the linear air flow of the fume hood. As a result of the charcoal filter modifications, a significant increase in iodine effluent releases was noticed during CY 2007 and CY 2008 compared to similar releases at other radiopharmacy's. However, the releases did not exceed NRC effluent limits.

During the inspection, the licensee replaced the two modified charcoal filters with full and unmodified charcoal filters. The licensee committed to ensure that the filters will be unmodified in the future.

No other violations of NRC requirements were identified during the inspection.

5. PERSONNEL CONTACTED:

#*& Brian Hardesty – RSO/Pharmacist/Manager
#* Yogesh Patel – Pharmacist

Use the following identification symbols:

- # Individual(s) present at entrance meeting
- * Individual(s) present at exit meeting
- & Individual contacted telephonically during May 5, 2008 exit meeting

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