

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED. Radiopharmacy of Indianapolis Corporate Center North II Bldg A 6538 Corporate Drive Indianapolis, IN 46278 REPORT NUMBER(S) 2012001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-37428	4. LICENSE NUMBER(S) 13-32637-01MD	5. DATE(S) OF INSPECTION September 13 through November 26, 2012	

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:

- Based on the inspection findings, no violations were identified.
- Previous violation(s) closed.
- 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, 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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11
(Violations and Corrective Actions)

License Condition 22 of NRC License 13-32637-01MD states, in part, that the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed in the license.

Facsimile dated January 17, 2007, Item 9, Facilities and Equipment, Precautionary Measures for Handling Radioactive Gases, D. Air Concentrations, states, in part, that the exhaust is no less than 200 cubic feet per minute and that the exhaust rate will be checked semi-annually with a velometer, or an equivalent means, to verify the exhaust system operability.
(Continued on Part 2)

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	BRIAN HARDESTY	<i>Brian Hardesty</i>	12/6/12
NRC INSPECTOR	Janine F. Katanic, Ph.D., CHP	<i>Janine F. Katanic</i>	12/6/12
BRANCH CHIEF	Tamara E. Bloomer	<i>T. Bloomer</i>	12/6/12

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(Continued)

Contrary to the above, on October 28, 2011, and April 3, 2012, during semi-annual checks of the exhaust rate of the radioiodine/xenon hood, the exhaust rate was measured at 184.6 cubic feet per minute and 176.9 cubic feet per minute, respectively, which is less than the 200 cubic feet per minute that the licensee committed to in the license.

This is a Severity Level IV violation (Violation Example 6.3).

The cause of the violation was that there was insufficient conservatism designed into the system to account for losses in the system such as gapping, turbulence, and filter loading, which allowed the exhaust rate to drop below that committed-to 200 cubic feet per minute.

Corrective actions to restore compliance for this violation included reconfiguring the materials and items in the hood and filling in visible gaps in the ducts that were reducing suction. These actions were completed on September 14, 2012. As a corrective action to prevent recurrence, the licensee committed to evaluate the exhaust system of the radioiodine hood in whole to ensure the need and/or ability to maintain the exhaust rate at at least 200 cubic feet per minute. This action is expected to be completed in early to mid 2013.