

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Cardinal Health Nuclear Pharmacy Services 10250 Stone Creek Drive Laurel, Delaware 019956</p> <p>REPORT NUMBER(S) 2011-006</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>	
<p>3. DOCKET NUMBER(S)</p> <p>030-36973</p>	<p>4. LICENSE NUMBER(S)</p> <p>34-29200-01MD</p>	<p>5. DATE(S) OF INSPECTION</p> <p>November 29, 2011</p>

**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, 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)

**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	Farrah C. Gaskins	<i>Ken Lambert for</i>	12/8/11
BRANCH CHIEF	Tamara Bloomer	<i>T Bloomer</i>	12/8/11

**Docket File Information**  
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6. INSPECTION PROCEDURES USED  87127	7. INSPECTION FOCUS AREAS  03.01 - 03.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) 2500	2. PRIORITY 2	3. LICENSEE CONTACT Willie Regits, Corporate RSO	4. TELEPHONE NUMBER (614) 757-3147
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Main Office Inspection                      Next Inspection Date: \_\_\_\_\_

Field Office Inspection    10250 Stone Creek Drive, Laurel, Delaware \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

The licensee is authorized to distribute radiopharmaceuticals. The licensee is authorized for numerous locations in both NRC and Agreements States. From this location, the licensee distributes unit doses of Tc-99m, In-111, I-123, thallium, gallium and occasionally samarium and yttrium. The licensee has a designated hood for Xenon preparation and distribution, which is done occasionally. The licensee also distributes some bulk doses of Tc-99m. On average, 200-250 doses are drawn and delivered daily. The first shift begins at approximately 1:00 am and deliveries begin between 4:30 and 5:00 am. The second deliveries begin at approximately 8:30 am. There is at least one pharmacist on duty per shift, and two technicians and five drivers per shift.

The site receives three generators per week. Pharmacists, technicians and drivers were interviewed and determined to be knowledgeable. Employees were also observed working safely and wearing appropriate dosimetry and protective clothing. The facility and licensed materials were adequately secured. The inspector reviewed records and determined they were maintained in accordance with requirements. The site RSO conducts monthly internal audits in which areas pertinent to the license were reviewed for compliance. Reports reviewed by the inspector showed that there were no incidents that required reporting to the NRC. The site RSO conducts an investigation for any exposures that exceed the licensee's internal administrative limits. Dosimetry records reviewed were below regulatory limits with the highest cumulative exposure in 2011 to date of the inspection being 20,000(left)/8640(right) mrem to the extremity.

There were no violations identified.