

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Cardinal Health
5475 Rings Rd
Dublin, OH

2. NRC/REGIONAL OFFICE

REGION III
US NUCLEAR REGULATORY COMMISSION
2443 WARRENVILLE ROAD
LISLE IL 60532

REPORT NUMBER(S) 2008-08 018

3. DOCKET NUMBER(S)

03036973

4. LICENSE NUMBER(S)

34-29200-01MD

5. DATE(S) OF INSPECTION

Nov 17-20, 2008

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.

(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			
NRC INSPECTOR	Ken Lambert		11/20/08

George Parker

**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**

1. LICENSEE Cardinal Health Nuclear Pharmacy Services REPORT NUMBER(S) 2008-018		2. NRC/REGIONAL OFFICE NRC Region III 2443 Warrenville Road, Suite 210 Lisle, Illinois 60532-4351	
3. DOCKET NUMBER(S) 030-36973	4. LICENSE NUMBER(S) 34-29200-01MD	5. DATE(S) OF INSPECTION 11/17-20/2008	
6. INSPECTION PROCEDURES USED 87127	7. INSPECTION FOCUS AREAS 03.01 – 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 2500	2. PRIORITY 2	3. LICENSEE CONTACT Jack Coffey, RSO	4. TELEPHONE NUMBER 614/757-4770
<input checked="" type="checkbox"/> Main Office Inspection		Next Inspection Date: 11/2010	
<input type="checkbox"/> Field Office			
<input type="checkbox"/> Temporary Job Site Inspection			

PROGRAM SCOPE

The licensee was authorized for 24 locations operating as nuclear pharmacies as specified on the license for the preparation and distribution of radioactive drugs. These authorizations included the preparation and distribution of radioactive drugs including compounding of iodine-131, the redistribution of used and unused molybdenum-99/technetium-99m generators to authorized recipients: 1) in accordance with 10 CFR 32.72; and 2) for non-medical use. The license also authorized the redistribution of sealed sources initially distributed by a manufacturer licensed pursuant to 10 CFR 32.74 and redistribution of sealed sources that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices. The license also specifically authorized various sealed sources and devices for instrument calibration purposes at specific locations including authorization for calibration of survey meters as a service for customers and other clients. This inspection focused on Cardinal Health's corporate licensee staffs implementation of the overall radiation safety program and its integration with the nuclear pharmacies authorized on the license.

Performance Observations

The licensee's corporate staff demonstrated or discussed: (1) radiation dosimetry program that included bioassays, notifications and investigation of doses that exceeded administrative limits; (2) environmental monitoring including air effluents and evaluations of doses to members of the public; (3) licensee's audit program including content, scheduling, corrective actions to deficiencies and management oversight; (4) authorized user and authorized nuclear pharmacist approval program and training; (5) reportable events and incidents; (6) development and implementation of the licensee's employees concern program; (7) security of radioactive material at its pharmacies; and (8) verification that customers are authorized to receive the radioisotopes ordered.

During the previous corporate inspection, in October 2007, the inspectors identified that an individual at the Charlottesville, Virginia pharmacy independently decided not to wear extremity dosimetry while compounding iodine-131. This issue remains open pending further NRC review.

No violations were identified during the inspection of the licensee's corporate office.