



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

April 11, 2006

Mr. Jack Coffey
Senior Vice President
Quality and Regulatory
Nuclear Pharmacy Services
Cardinal Health
7000 Cardinal Place
Dublin, OH 43017

SUBJECT: NRC INSPECTION REPORT 03036973/06-013 (FORM 591M Part 1)

Dear Mr. Coffey:

This letter refers to the routine inspection conducted on March 16, 2006, at your Huntington, West Virginia facility. The inspection results were discussed with Paul Gotti, Radiation Safety Officer, during a final telephonic exit briefing conducted on April 5, 2006.

This inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and with the conditions of your license. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, independent measurements, and observation of activities in progress. Within the scope of this inspection no violations of NRC requirements were identified; therefore, no response to this letter or the enclosed NRC Form 591M is required.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this inspection or the enclosed report, please contact Ken Lambert of my staff at (630) 829-9633.

Sincerely,


John R. Madera, Chief
Materials Inspection Branch

Docket No.: 03036973
License No.: 34-29200-01MD

Enclosure:
Inspection Report 030-36973/2006-013

cc w/encl: State of West Virginia

SUBJECT: NRC INSPECTION REPORT 030-36973/2006-013 (FORM 591M Part 1)

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OFFICE	RIII	RIII	RIII	RIII
NAME	Lambert:jc <i>[Signature]</i>	Madera <i>[Signature]</i>		
DATE	04/ 7 /06	04/ 11 /06		

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SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Cardinal Health Nuclear Pharmacy Services #1 Syncor Drive, Univ. Heights, US Route 60 East Huntington, West Virginia 25705 REPORT Nos 03036973/2006-013		2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region I, 475 Allendale Road King of Prussia, Pennsylvania 19406-1415	
3. DOCKET NUMBER(S) 030-36973	4. LICENSE NUMBER(S) 34-29200-01MD	5. DATE(S) OF INSPECTION March 16, 2006	

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.

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	Steven R. Courtemanche		3/31/2006

Docket File Information
**SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION**



1. LICENSEE Cardinal Health Nuclear Pharmacy Services REPORT NOS 03036973/2006-013	2. NRC/REGIONAL OFFICE U.S. Nuclear Regulatory Commission Region I, 475 Allendale Road King of Prussia, Pennsylvania 19406-1415	
3. DOCKET NUMBER(S) 030-36973	4. LICENSE NUMBER(S) 34-29200-01MD	5. DATE(S) OF INSPECTION March 16, 2006
6. INSPECTION PROCEDURES USED 87127	7. INSPECTION FOCUS AREAS 03.01 - 03.07	8. INSPECTOR Steven R. Courtemanche

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02500	2. PRIORITY 2	3. LICENSEE CONTACT Byron Alfrey, Site RSO	4. TELEPHONE NUMBER 304-522-1347
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Main Office Inspection Next Inspection Date: March 2008

Field Office #1 Syncor Drive, Univ. Heights, US Rte 60 E, Huntington, WV

Temporary Job Site _____

PROGRAM SCOPE

The licensee's facilities are as described in the license. There is a room with a fume hood used for special procedures, a radioactive waste room, a room for the storage of generators (Mo-99/Tc-99m), and the main floor. The main floor has five drawing stations in fume hoods, a QC area, preparation area prior to shipment, and a "break-down area" for return shipments from clients. The licensee has operation hours of Monday - Friday between 1 a.m. and 4 p.m., and Saturday and Sunday between 2 a.m. and 6 a.m. The licensee services 40 clients with 600 - 650 unit doses per day with a number of them receiving bulk Technetium-99m. Four Molybdenum-99/Technetium-99m generators are received during the week. Two on Sunday, one on Tuesday and one on Thursday. Standing orders for Xenon-133 are received on Friday. Capsules containing Iodine-131 are ordered from Mallinckrodt, therefore, the licensee does not handle liquid Iodine-131 at this facility. The licensee does not distribute licensed material under 35.400 or 500, calibrate survey instruments for clients, or analyze samples for clients at this facility.

The licensee has a total of thirty employees. There are two radiopharmacists, 3 nuclear pharmacy technologists, 2 trainees, 20 drivers, and administrative staff. The licensee is working towards filling two vacant radiopharmacist positions. The licensee has performed an evaluation of the tripling of whole body exposures to personnel involved in preparing doses, i.e., from 200 millirem annually to 600 millirem. It was attributed to the two vacant pharmacist positions combined with the increase in business from the merger with Geodax into one facility.

Of note: On the day of the inspection, the licensee dropped a vial of eluate containing approximately 2 Curies of Technetium-99m. Clean-up procedures were evaluated by the inspector and found to be adequate. Lead shielding was placed on top of the area to reduce radiation dose rate levels after initial clean-up procedures were completed.