

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Cardinal Health Nuclear Pharmacy Services, Dublin, Ohio Location Inspected: 115 Dingess Street Barboursville, West Virginia 25504</p> <p>REPORT NUMBER(S) 2018003</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>
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<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>May 3, 2018</p>
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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, NRC Region I	<i>FGW</i> for FG	5/9/18
BRANCH CHIEF	<i>James T. McCann</i>	<i>[Signature]</i>	5/10/18

Warren, Geoffrey

From: Warren, Geoffrey
Sent: Wednesday, May 16, 2018 2:25 PM
To: 'Sullivan, Glenn'
Cc: Gaskins, Farrah
Subject: NRC Inspection Report - Barboursville WV
Attachments: Cardinal Health 2018003 - Barboursville WV - 591M.pdf

Enclosed is the inspection report for the NRC's recent inspection at the Cardinal Health facility in Barboursville, West Virginia, as we discussed by telephone this afternoon. No violations were identified as a result of this inspection. No response is required to the report or to this message.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this message and its attachment will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

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Geoffrey Warren
Senior Health Physicist (Inspector)
NRC Region III, Lisle, IL
630-829-9742

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Cardinal Health Nuclear Pharmacy Services, Dublin, Ohio
Location Inspected: 115 Dingess Street
Barboursville, West Virginia 25504

REPORT NUMBER(S) 2018003

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-36973

4. LICENSE NUMBER(S)

34-29200-01MD

5. DATE(S) OF INSPECTION

May 3, 2018

6. INSPECTION PROCEDURES USED

87127

7. INSPECTION FOCUS AREAS

03.01 - 03.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

02500

2. PRIORITY

2

3. LICENSEE CONTACT

Brian Porter, Pharmacy RSO

4. TELEPHONE NUMBER

(304) 736-0698

Main Office Inspection

Next Inspection Date: TBD

Field Office Inspection 115 Dingess Street, Barboursville, WV 25504

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of a field office location for the licensee performed as an assist to Region III. The pharmacy prepares approximately 500 doses per day. The site RSO stated that their work load has slightly increased within the last year. The licensee operates Monday - Friday and limited hours on Saturday and Sunday. The pharmacist on the first shift typically arrives at 11:30 pm; the first shift is 12 am through 5 am. The bulk of the doses are prepared during the first shift. The second shift starts about 7:30 am and runs until the rest of the doses are prepared. Only about 50-100 doses are prepared during the second shift. The pharmacy occasionally receives PET material from another pharmacy to deliver to customers. At this site, the licensee employs three pharmacists, five technicians who draw doses, and seventeen drivers. Some of the technicians also drive. The pharmacy primarily distributes technetium-99m. This pharmacy does not compound iodine but receives and redistributes iodine-131 and iodine-123 capsules in addition to radium-223. The licensee possesses a number of sealed sources that are leak tested at the appropriate intervals. The pharmacy typically receives four generators per week but could possess up to six at any time. The pharmacy monitors air effluent by counting charcoal filters. In addition to quarterly corporate audits, the RSO or another designated person performs a monthly audit. Waste is picked up by a contractor on a weekly basis.

Performance Observations: The inspector observed the pharmacist, technicians, and drivers performing licensed activities which included generator elution, drawing doses, packaging and labeling doses, disposing of returned syringes, and performing personnel and area surveys. The inspector discussed transportation regulations with drivers and reviewed training for all employees. Pharmacists, technicians, and drivers were knowledgeable of safe handling of licensed material and appropriate regulations. Dosimetry results showed that all monitored personnel are within the the regulatory limits. Documentation of local and corporate audits, area and vehicle surveys, sealed source inventory and leak tests, disposal, air effluent monitoring, dose calibrator QC, and event logs demonstrated the licensee's compliance with regulations.

Within the scope of the inspection, no violations were identified.