

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Cardinal Health 414, LLC 7000 Cardinal Place Dublin, Ohio 43017  REPORT NUMBER(S) 2017-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-38222	4. LICENSE NUMBER(S)  34-32780-01	5. DATE(S) OF INSPECTION  06/28/17 and 08/16/17	

**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	Peter J. Lee, Ph.D., CHP	<i>Michael Kunowski for</i>	8-22-17
BRANCH CHIEF	Michael Kunowski	<i>Michael Kunowski</i>	8-22-17

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87104	7. INSPECTION FOCUS AREAS
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03210	2. PRIORITY	3. LICENSEE CONTACT  Evan Western	4. TELEPHONE NUMBER  (614) 553-4555
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Main Office Inspection                      Next Inspection Date: \_\_\_\_\_

Field Office Inspection    10718 Trenton Ave., St. Louis, Missouri \_\_\_\_\_

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

**PROGRAM SCOPE**

The licensee had contracted with Ameriphysics to perform decontamination and decommissioning (D&D) activities to remove the facility from its license.

**Performance Observations**

The inspection consisted of interview of personnel conducting the D&D activities; observation of removal of cyclotron vault; observation of separation of activated concrete from the vault; observation of removal of activated concrete from the floor beneath the cyclotron; review of sample analyses of concrete; and review the waste shipment of the activated concrete. All the concretes disposed at the landfills were well below the soil screening values as stated in NUREG-1757. The activated concretes removed met non-DOT regulated materials and were shipped to US Ecology. The release criteria of the concrete floor beneath the cyclotron will be based on the screening values as stated in NUREG-1757.

Based on the inspection, the inspector determined that the D&D activities were conducted in accordance with the D&D work plan prepared by Ameriphysics and no violations of NRC requirements were identified.