

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Evansville Cancer Center / Vantage Oncology 700 North Burkhardt Road Evansville, IN 47715</p> <p>REPORT NUMBER(S) 2018001</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>030-30712</p>	<p>4. LICENSE NUMBER(S)</p> <p>13-25945-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p style="text-align: center;">MARCH 29 & 30, 2018</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:

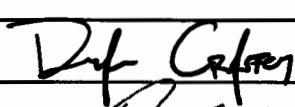
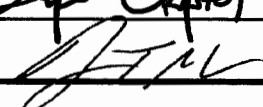
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Ryan Craffey		3/30/18
BRANCH CHIEF	Aaron McCraw		05/08/2018

Docket File Information

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6. INSPECTION PROCEDURES USED 87132	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 02230	2. PRIORITY 2	3. LICENSEE CONTACT James Duce, MS - RSO	4. TELEPHONE NUMBER (502) 554-2215
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Main Office Inspection Next Inspection Date: 03/29/2020

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was an unannounced routine inspection of an outpatient cancer treatment center authorized to use byproduct material in a high dose-rate remote afterloader brachytherapy (HDR) unit at its facility in Evansville, Indiana. Two authorized users and two medical physicists were actively involved in HDR treatments here and at Deaconess Gateway Hospital in neighboring Newburgh, Indiana (treatments at the latter were performed under NRC License No. 13-00142-02). The licensee performed two to three fractionated treatments per week in Evansville; almost all of which were for prostate cancer. Source exchanges were performed quarterly.

PERFORMANCE OBSERVATIONS

The inspector toured the facility in Evansville to evaluate the licensee's measures for materials security, hazard communication and exposure control. The inspector observed the conduct of HDR spot checks, planning and verification activities, and the administration of one fraction of a prostate cancer treatment. The inspector conducted independent surveys of the facility during these observations, and found no readings outside the suite in excess of regulatory limits to members of the public. The inspector also discussed with the licensee's staff the conduct of full calibrations of the HDR unit as well as the implementation of emergency response procedures and training.

The inspector reviewed a selection of written directives and associated planning and verification documentation for prostate and gynecological HDR treatments. The documentation provided high confidence that the licensee performed these treatments in accordance with the written directives. The inspector also reviewed a selection of other records, including documentation of daily spot checks and full calibrations, source exchange reports from the authorized service provider, emergency response procedures, and personnel dosimetry.

No violations of NRC requirements were identified as a result of this inspection.