



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

June 16, 2022

Mr. James Cramb, MBA
Manager of Imaging Services
Beaumont Hospital - Dearborn
18101 Oakwood Blvd.
Dearborn, MI 48124

**SUBJECT: NRC ROUTINE INSPECTION REPORT NO. 03002051/2021001(DNMS) AND
NOTICE OF VIOLATION – BEAUMONT HOSPITAL - DEARBORN**

Dear Mr. Cramb:

On November 16, 2021, an inspector from the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at Beaumont Hospital in Dearborn, Michigan, with continued in-office review through May 20, 2022. The purpose of the inspection was to review activities performed under your NRC license to ensure that activities were being performed in accordance with NRC requirements. The in-office review included a review of dose reconstruction calculations not available at the time of the inspection. Luis Nieves of my staff conducted a final exit meeting by telephone with you on May 20, 2022, to discuss the inspection findings. This letter and its enclosures present the results of the inspection.

During this inspection, the NRC staff examined activities conducted under your license related to public health and safety. Additionally, the staff examined your compliance with the Commission's rules and regulations as well as the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, the NRC has determined that several Severity Level IV violations of NRC requirements occurred. The violations were evaluated in accordance with the NRC Enforcement Policy. The current Enforcement Policy is included on the NRC's website at <http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>. One of those violations was safety-related and concerned the failure of two hospital staff to wear individual monitoring devices, as required by Condition 19.A of NRC License 21-04515-01. This violation is cited in the enclosed publicly-available Notice of Violation (Notice) (Enclosure 1). The remaining violations are of a security-related nature and are cited in the enclosed non-publicly available Notice of Violation (Notice). The NRC is citing the violations in the enclosed Notices because the inspector identified them.

Enclosure 2 contains Sensitive
Unclassified Non-Safeguards Information.
When separated from Enclosure 2, this
transmittal letter and Enclosure 1 are
decontrolled.

J. Cramb


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You are required to respond to this letter and should follow the instructions specified in the enclosed Notices when preparing your response. The guidance in NRC Information Notice 96-28, "Suggested Guidance Relating to Development and Implementation of Corrective Action," may be useful in preparing your response. You can find the Information Notice on the NRC website at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/info-notices/1996/in96028.html>. The NRC will use your response, in part, to determine whether further enforcement action is necessary to ensure compliance with regulatory requirements.

Because some of the issues involve security-related information, please submit two separate responses. In accordance with the NRC's "Rules of Practice" in 10 CFR 2.390, a copy of this letter, its public enclosure, and any safety-related response you provide will be made 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>. Your response containing security-related information will not be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Document Access and Management System (ADAMS). Please mark the top of each page of your security-related response "Security-Related Information – Withhold Under 10 CFR 2.390." To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information.

Please feel free to contact Luis Nieves of my staff if you have any questions regarding this inspection. Mr. Nieves can be reached at 630-829-9571.

Sincerely,

 Signed by Kunowski, Michael
on 06/16/22

Michael Kunowski, Chief
Materials Inspection Branch
Division of Nuclear Materials Safety

Docket No. 030-02051
License No. 21-04515-01

Enclosures:
Notice of Violation (Public)

cc w/public encl: State of Michigan

J. Cramb

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Letter to James Cramb from Michael Kunowski dated June 16, 2022.

SUBJECT: NRC ROUTINE INSPECTION REPORT NO. 03002051/2021001(DNMS) AND
NOTICE OF VIOLATION – BEAUMONT HOSPITAL - DEARBORN

DISTRIBUTION w/encl:

Jack Giessner
Mohammed Shuaibi
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MIB Inspectors

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OFFICE	RIII-DNMS		RIII-DNMS				
NAME	LNieves:brt		MKunowski				
DATE	06/16/22		06/16/22				

OFFICIAL RECORD COPY

NOTICE OF VIOLATION

Beaumont Hospital - Dearborn
Dearborn, MI

License No. 21-04515-01
Docket No. 030-02051

During a U.S. Nuclear Regulatory Commission (NRC) inspection conducted on November 16, 2021, with continued in-office review through May 20, 2022, one violation of NRC safety requirements was identified. In accordance with the NRC Enforcement Policy, the violation is listed below:

Condition 19.A of NRC Materials License No. 21-04515-01 states that the licensee shall conduct its program in accordance with the application dated August 10, 2011. Furthermore, the condition states that the NRC's regulation shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

Item 10.b of the application dated August 10, 2011, states that the licensee will complete either a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR 20 or provide dosimetry per the "Criteria" and "Discussion" paragraphs in NUREG-1556, Volume 9, Section 8.23.

Title 10 of the *Code of Federal Regulations* (10 CFR) 20.1101(a) requires, that each licensee develop, document, and implement a radiation protection program commensurate with the scope and extent of licensed activities and sufficient to ensure compliance with the provisions of this part.

Item III.B.1.f of the licensee's procedure entitled "Radiation Safety Program" states that all personnel who routinely perform fluoroscopy are assigned both a body and collar badge.

Item III.B.2.d.1 of the licensee's procedure entitled "Radiation Safety Program" states that each assigned monitor (badge) shall be worn as prescribed above at all times while handling and/or using ionizing radiation within the control of or on the premises of the Hospital.

Contrary to the above, on multiple dates between January 2018 and November 2021, in particular the months of August and September 2020, the licensee failed to conduct its program in accordance with its program. Specifically, two interventional radiologists did not wear their dosimetry during several Y-90 procedures.

This is a Severity Level IV violation (NRC Enforcement Policy Section 6.3.d.3).

Pursuant to the provisions of CFR 2.201, Beaumont Hospital - Dearborn is hereby required to submit a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, DC 20555-0001, with a copy to the Regional Administrator, Region III, within 30 days of the date of the letter transmitting this Notice of

Enclosure 1

Violation (Notice). This reply should be clearly marked as a “Reply to a Notice of Violation” and should include: (1) the reason for the violations, or, if contested, the basis for disputing the violations or their severity level, (2) the corrective steps that have been taken and the results achieved, (3) the corrective steps that will be taken, and (4) the date when full compliance will be achieved. Your response may reference or include previously docketed correspondence, if the correspondence adequately addresses the required response. If an adequate reply is not received within the time specified in this Notice, an order or a Demand for Information may be issued as to why the license should not be modified, suspended, or revoked, or why such other action as may be proper should not be taken. Where good cause is shown, consideration will be given to extending the response time.

If you contest this enforcement action, you should also provide a copy of your response, with the basis for your denial, to the Director, Office of Enforcement, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

In accordance with 10 CFR 19.11, you may be required to post this Notice within two working days of receipt.

Dated this 16th day of June 2022.