



~~OFFICIAL USE ONLY – SECURITY-RELATED INFORMATION~~

**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

August 16, 2018

Edwin M. Leidholdt, Jr., Ph.D., Interim Director  
National Health Physics Program (115 HP/NLR)  
Department of Veterans Affairs  
Veterans Health Administration  
2200 Fort Roots Drive  
North Little Rock, AR 72114

SUBJECT: NRC INSPECTION REPORT 03034325/2018005(DNMS) – VA NEBRASKA  
WESTERN IOWA HEALTH CARE SYSTEM – OMAHA DIVISION, OMAHA,  
NEBRASKA

Dear Dr. Leidholdt:

On July 18, 2018, the U.S. Nuclear Regulatory Commission (NRC) conducted a routine inspection at the VA Nebraska Western Iowa Health Care System – Omaha Division, Omaha, Nebraska. The inspection was limited to a review of activities authorized under Permit No. 26-00138-10. The inspector conducted an exit meeting with the management and staff at the facility at the completion of the inspection.

The inspection was an examination of activities conducted under the permit as they relate to radiation safety and to compliance with the Commission's rules and regulations. 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 the inspection no violations of NRC requirements were identified; therefore, no response to this letter or the enclosures is required. Enclosure 1 includes the publically available NRC Form 591M Part 1 and Part 3 and Enclosure 2 includes the non-public Part 3, which contains security related information.

In accordance with Title 10 of the *Code of Federal Regulations* (CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter and Enclosure 1 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/readingrm/adams.html>. However, Enclosure 2 will not be made available electronically for public inspection because it contains security-related information.

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

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E. Leidholdt

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Should you have any questions concerning this inspection or the enclosed report, please contact Bryan Parker of my staff at 678-828-7050.

Sincerely,

*/RA/*

Patricia J. Pelke, Chief  
Materials Licensing Branch  
Division of Nuclear Materials Safety

Docket No. 030-34325  
License No. 03-23853-01VA  
Permit No. 26-00138-10

Enclosures:

1. IR 03034325/2018005 (DNMS) NRC  
Form 591M Part 1 and Part 3 – Public
2. IR 03034325/2018005 (DNMS) NRC  
Form 591M Part 3 – Non-Public

E. Leidholdt

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Letter to Edwin M. Leidholdt, Jr., Ph.D. from Patricia J. Pelke, dated August 16, 2018

SUBJECT: NRC INSPECTION REPORT 03024325/2018005(DNMS) – VA NEBRASKA  
WESTERN IOWA HEALTH CARE SYSTEM – OMAHA DIVISION, OMAHA,  
NEBRASKA

DISTRIBUTION:

Christine Lipa

Aaron McCraw

**ADAMS Accession Number: ML18229A058**

OFFICE	RIV	C	RIII-DNMS	C	RIII-DNMS	C		
NAME	JDykert:cl PJPelke for		BParker via email		PJPelke			
DATE	8/16/2018		8/16/2018		8/16/2018			

**OFFICIAL RECORD COPY**

NRC FORM 591M PART 1

(07-2012)  
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Department of Veterans Affairs  
Under Secretary for Health:  
VA Nebraska Western Iowa Health Care System - Omaha Div.  
4101 Woolworth Avenue, Omaha, NE 68105

REPORT NUMBER(S) 2018-005

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-34325

## 4. LICENSE NUMBER(S)

03-23853-01VA

## 5. DATE(S) OF INSPECTION

July 18, 2018

## 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	Bryan Parker for Jason Dykert		8/6/2018
BRANCH CHIEF	Patricia J. Pelke		8/16/2018

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

NRC FORM 591M PART 3  
(07-2012)  
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

## Docket File Information

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Department of Veterans Affairs  
Under Secretary for Health:  
VA Nebraska Western Iowa Health Care System – Omaha Div.  
4101 Woolworth Avenue, Omaha, NE 68105

REPORT NUMBER(S) 2018-005

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-34325

## 4. LICENSE NUMBER(S)

03-23853-01VA

## 5. DATE(S) OF INSPECTION

July 18, 2018

## 6. INSPECTION PROCEDURES USED

87126, 87131, 87134, and 87137

## 7. INSPECTION FOCUS AREAS

Manual Chapter 2800, Section 05.01.b.1.(a) through (h) (All)

## SUPPLEMENTAL INSPECTION INFORMATION

## 1. PROGRAM CODE(S)

02110, 3610, 3510

## 2. PRIORITY

2

## 3. LICENSEE CONTACT

Frank Rutar/Michael Plathe RSO/ARSO

## 4. TELEPHONE NUMBER

(402) 995-3440

☐ Main Office Inspection

Next Inspection Date: n/a

☒ Field Office Inspection 4101 Woolworth Avenue, Omaha, NE 68105☐ Temporary Job Site Inspection

## PROGRAM SCOPE

This was a routine unannounced inspection of the Department of Veterans Affairs MML permittee VVA Nebraska Western Iowa Health Care System – Omaha Div., using licensed materials as a Medical and R&D Type A Broadscope with one blood irradiator. Current activities performed under the permit (26-00138-10) include diagnostic and therapeutic nuclear medicine (35.100, 35.200 & 35.300), limited research activities, and use of a JL Shepherd Mark 1 irradiator.

The nuclear medicine department is located on the second floor of the main medical building. At least 1 of the 4 full time certified nuclear medicine technologists are onsite during business hours (6:30a - 4p). The Radiation Safety Officer (RSO) and planned continuity full-time replacement RSO provide oversight including permit management, radiation safety training, dose calibrator and well counter calibrations, survey meter calibration, sealed source procurement and disposal activities, inventories and leak tests, ALARA dosimetry reviews, annual program audits, Radiation Safety Committee (RSC) coordination, radiation producing and monitoring equipment service and contract support, incidents and medical event review, in addition to many other ancillary duties. The RSC meets quarterly, and provides additional oversight, dosimetry review, authorized user review and approval, medical physics services and contracts, and reviews/approves any changes to the radiation protection program that could affect overall safety. Cardinal Health provides unit doses and bulk doses of PET, quarterly audits, sealed source inventories and leak tests, survey meter calibrations, and dose calibration equipment QA/QC service.

Unit doses of Tc-199m makes up the majority of isotope use, no I-131 or I-125 is currently used, the only written directive treatments utilize Ra-223 dichloride, and a Medrad Intego PET infusion system is used for bulk doses of F-18. The hospital performs 5-20 diagnostic imaging procedures per day, 2 - 10 of them with PET, and ~2 therapeutic procedures per month.

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