

### SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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| <b>1. LICENSEE/LOCATION INSPECTED:</b><br><br>Van Andel Research Institute<br>333 Bostwick Ave., NE<br>Grand Rapids, Michigan 49503<br><br>REPORT NUMBER(S) 2018001 | <b>2. NRC/REGIONAL OFFICE</b><br><br>Region III<br>U. S. Nuclear Regulatory Commission<br>2443 Warrenville Road, Suite 210<br>Lisle, IL 60532-4352 |
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| <b>3. DOCKET NUMBER(S)</b><br><br>030-38554 | <b>4. LICENSE NUMBER(S)</b><br><br>21-32841-01 | <b>5. DATE(S) OF INSPECTION</b><br><br>March 29 , 2018 |
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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.

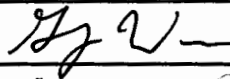
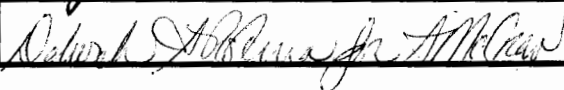
Non-cited violation(s) were discussed involving the following requirement(s):

\_\_\_\_\_

- 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             | Geoffrey Warren, Sr. HP |  | 3/29/18   |
| BRANCH CHIEF              | Aaron McCraw            |  | 4/26/2018 |

**Docket File Information**  
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| 6. INSPECTION PROCEDURES USED<br><br>87126 | 7. INSPECTION FOCUS AREAS<br><br>03.01 - 03.07 |
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**SUPPLEMENTAL INSPECTION INFORMATION**

|                                 |                      |  |   |
|---------------------------------|----------------------|--|---|
| 1. PROGRAM CODE(S)<br><br>03620 | 2. PRIORITY<br><br>5 | 3. LICENSEE CONTACT<br><br>David Lutkenhoff, RSO | 4. TELEPHONE NUMBER<br><br>(616) 234-5766 |
|---------------------------------|----------------------|--|---|

Main Office Inspection      Next Inspection Date: 03/29/2023

Field Office Inspection \_\_\_\_\_

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

**PROGRAM SCOPE**

This was an unannounced routine inspection of activities performed under this license. The licensee operated a facility in Grand Rapids, Michigan, for laboratory research and development. Around 350 personnel worked in the facility researching cancer treatment. The licensee employed three active authorized users who worked in three active laboratory areas. Active laboratories used tritium, phosphorus-32, and phosphorus-33. Around twelve personnel worked under the supervision of the authorized users. No animal research was being performed at the time of the inspection.

Performance Observations: Licensee research staff demonstrated use of licensed materials for research and described laboratory setup, survey and cleanup of contamination, spill procedures, ordering and tracking licensed materials, use of personal protective equipment, calibration of liquid scintillation counters, and other procedures. The inspector noted no concerns with these procedures. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. Review of dosimetry records indicated no exposures of regulatory concern. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

No violations were identified as a result of this inspection.

*ATM*  
*4/26/2018*