

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  Niowave, Inc.  1012 N. Walnut Street Lansing, MI 48906-5061  REPORT NUMBER(S) 16-001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Rd, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S)  040-38369	4. LICENSE NUMBER(S)  21-35145-01	5. DATE(S) OF INSPECTION  March 4, 2016	

**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	Zahid Sulaiman, Health Physicist	<i>Zahid Sulaiman</i>	3/4/16
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB	<i>AT McCraw</i>	3/25/16

**Docket File Information**

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REPORT NUMBER(S) 16-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

040-38369

4. LICENSE NUMBER(S)

21-35145-01

5. DATE(S) OF INSPECTION

March 4, 2016

6. INSPECTION PROCEDURES USED

87126

7. INSPECTION FOCUS AREAS

03.01-03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

11200

2. PRIORITY

5

3. LICENSEE CONTACT

Valeriia Starovoitova, PhD, RSO

4. TELEPHONE NUMBER

(517) 512-3402



Main Office Inspection

Next Inspection Date: 03/04/2021



Field Office Inspection



Temporary Job Site Inspection

**PROGRAM SCOPE**

This was a re-initial inspection conducted at the licensee's authorized location of use in Lansing, MI. The license was a source material license. The license was authorize for research and development, fabrication of source materials and distribution of shielding and manufactured accelerator parts to authorized licensee. The licensee's work hours were from 8:00 AM - 4:00 PM, Monday through Friday.

**Performance Observations:**

The inspector toured the facility where the materials are stored and the work is performed. Interviews of available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. The inspector reviewed the records of first licensed activities conducted on April 2, 2015, with no issue noted. The inspector: (1) observed that the licensee addressed the decontamination concern from the last inspection by durably sealing the concrete floor and sidewalk cracks with sealant, where fabrication of source materials would occur; (2) observed that the licensee addressed the decontamination concern of work area surface from last inspection, licensee placed an absorbent padding with plastic liner on the bottom on work area surfaces; (3) observed that the licensee posted the action levels sign, as committed from the last inspection; (4) observed the staff conduct a physical inventory of all source materials, all sources were accounted for, and verified that licensed material was secured in accordance with 10 CFR 20.1801; (5) observed that the licensee had appropriate radiation measurement equipment, including calibrated survey instruments; (6) observed that the licensee had a Class D fire extinguisher that was charged and checked at the intervals on the tag affixed to it; (7) noted that the licensee planned to filter the coolant to remove particulates as small as 1 micron and analyze coolant to verify compliance with radioactive sewer effluent limits prior to disposal to the sanitary sewer; (8) reviewed dosimetry records with maximum reading of M (minimally detected) was noted; (9) observed how staff would don and doff personal protection equipment; (10) had the staff demonstrate the package receiving and check-in procedures; (11) reviewed the annual program audit conducted by the licensee staff, with no issues noted. The inspector reviewed training documents. The inspector performed independent radiation measurements of the storage area and work area; the results were within regulatory limits.

No violations of NRC requirements were identified during this inspection.