

NRC FORM 313

(07-2019)
10 CFR 30, 32,
33, 34, 35, 36,
37, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR
MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 07/31/2019

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA,
GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE,
NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO,
RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN
ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND
APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS,
UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

☐ A. NEW LICENSE☒ B. AMENDMENT TO LICENSE NUMBER 21-35144-02☐ C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)

Niowave, Inc.
1012 North Walnut Street
Lansing, MI 48906

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

Niowave, Inc.
1012 North Walnut Street
Lansing, MI 48906

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

William Peters, RSO

BUSINESS TELEPHONE NUMBER
517-999-3475

BUSINESS CELLULAR TELEPHONE NUMBER
517-449-8065

BUSINESS E-MAIL ADDRESS
peters@niowaveinc.com

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount
which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

10. RADIATION SAFETY PROGRAM.

9. FACILITIES AND EQUIPMENT.

11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*)
(See 10 CFR 170 and Section 170.31)

*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE
CATEGORY

N/A

AMOUNT
ENCLOSED \$

0.00

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Michael Zamiara, Chief Financial Officer

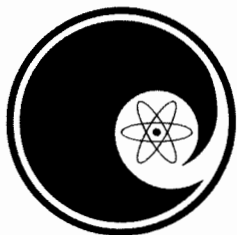
SIGNATURE

DATE

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FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
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APPROVED BY				DATE	



NIOWAVE, INC.

1012 North Walnut Street
Lansing, MI 48906
Phone: (517) 999-3475

July 10, 2019

NRC Region III Office
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Attn: Mr. Frank Tran, Ms. Cassandra Frazier, Ms. Patricia Pelke

Subj: Amendment Request for Remote Supervision of Authorized User, NRC Materials License No. 21-35144-02

Dear colleagues,

Per our letter dated February 13, 2019, we request authorization for Prof. Gelis to supervise remotely for procedures that he deems unchanging and repetitious. We request to remove the statement, "in the physical presence of," from condition 12.B of Niowave's Materials License No. 21-35144-02 so that Niowave may work with materials listed in subitems 6.AX. through 6.BI. so long as Prof. Gelis has approved the operations.

Several Niowave employees have spent many hours working with or directly under the supervision of Professor Artem Gelis, Ph.D (Niowave's sole authorized user for radium, radon, actinium, and their progeny). Dr. Gelis directly supervised 92 hours of work at Niowave from May 7 to July 10. Many of the procedures were repeated multiple times. He has reviewed and approved our incident response materials and protocol. The table below covers the hours for each Niowave employee for various procedures. In addition, all the workers listed below gained experience in general handling and radiation protection involving both solid and dispersible material with activities up to 100 mCi:

Name	Hours	Procedures
Dr. Alex Bakken	86	Shearing, Radon Transfers, Aliquots, Glove Box, Assays, Radon GEM, Heating, Acid
John Diemer	70	Shearing, Radon Transfers, Aliquots, Glove Box, Radon GEM, Heating, Acid
Amanda Grimm	24	Radon Transfers, Aliquots, Glove Box
Dr. Terry Grimm	66	Shearing, Radon Transfers, Aliquots, Glove Box, Radon GEM, Heating, Acid
Nathan Johnson	69	Shearing, Radon Transfers, Aliquots, Glove Box, Radon GEM, Heating, Acid
Christine Krizmanich	63	Shearing, Radon Transfers, Aliquots, Glove Box
Dr. Mayir Mamtimin	27	Shearing, Radon Transfers, Aliquots, Assays
Dr. William Peters, RSO	79	Shearing, Radon Transfers, Aliquots, Glove Box, Assays, Radon GEM, Heating, Acid
Dr. Kristin Shannon	72	Shearing, Radon Transfers, Aliquots, Glove Box, Radon GEM, Acid

Thank you,

Dr. Terry Grimm
President and Senior Scientist

Dr. Artem Gelis
Associate Professor, Radiochemistry

Extremely Urgent

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TERRY GRIMM
MIDWAY
1012 NORTH WALNUT ST.
LANSING, MI 48206

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1 OF 1

SHIP TO:

ATTN: F. TRAN, C. FRAZIER, P. PELKE
NRC REGION III OFFICE
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LISLE IL 60532

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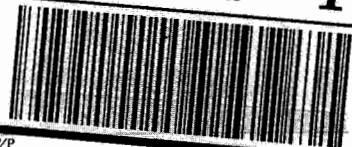
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