



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

February 23, 2015

Ms. Patricia J. Pelke, Chief
Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Dear Ms. Pelke:

SUBJECT: NRC License Number 21-05199-02

We are requesting an amendment to our license. We are now in the Michigan Department of Environmental Quality, Office of Waste Management and Radiological Protection. We have transferred two sources to the Department of Energy Off-Site Source Recovery Project. We also need to remove three Authorized users, add four others, and modify the authorization for one user.

Per instructions, enclosed are two copies of the entire completed application as follows:

- This letter (original and copy)
- NRC Form 313 and Attachment
- ATRO 2014-88 State of MI DEQ to NSSI / Bill of Lading
- ATRO 2014-90 State of MI DEQ to QSA Global / Bill of Lading

If you have any questions, please contact me via telephone; asselind1@michigan.gov; or DEQ, P.O. Box 30241, Lansing, Michigan 48909-7741.

Sincerely,

David Asselin, Acting Chief
Radiological Emergency Preparedness Unit
Radiological Protection Section
Office of Waste Management and
Radiological Protection
517-284-6575

Enclosures

RECEIVED FEB 27 2015

NRC FORM 313

(03-2014)
10 CFR 30, 32, 33, 34
35, 36, 37, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 05/31/2015

APPLICATION FOR MATERIALS
LICENSE

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 FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollections.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 APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW. *AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND
ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
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

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

21-05199-02

☐

C. RENEWAL OF LICENSE NUMBER

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

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF WASTE MGMT/RADIOLOGICAL PROTECTION
PO BOX 30241, LANSING MICHIGAN 48909-7741

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

815 FILLEY ST
LANSING, MICHIGAN 48906

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

DAVID ASSELIN

BUSINESS TELEPHONE NUMBER

(517) 284-6575

BUSINESS CELLULAR TELEPHONE NUMBER

BUSINESS EMAIL ADDRESS

ASSELIND1@MICHIGAN.GOV

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.

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

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

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

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

FEE CATEGORY

8A

AMOUNT
ENCLOSED \$

0.00

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

DAVID ASSELIN, RADIATION SAFETY OFFICER

SIGNATURE

DATE

2/23/2015

FOR NRC USE ONLY

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

Attachment to Application for Material License 21-05199-02

1. Amend Material License 21-05199-02 as follows:

a. Modify licensee name:

Licensee	
1.	State of Michigan Department of Environmental Quality
2.	Office of Waste Management and Radiological Protection Radiological Protection Section P.O. Box 30241 Lansing, MI 48909-7741

b. Remove:

	6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
E	Cesium-137/Americium-241	Combined sealed source (New England Nuclear Model NER-560A)	One source not to exceed 10 millicuries of Cesium-137 and 60 millicuries of Americium-241
L	Americium-241	Sealed source (Gulf Nuclear, Inc. (NEEI) Model 71-1)	One source not to exceed 1,200 millicuries

c. Amend condition 9 to remove authorized uses for items E and L:

E. To be used in a Nuclear Instruments Corp. Model NIC-5 for instrument calibration.

L. For storage only

d. Amend Condition 11 to read:

Licensed materials shall be used by, or under the supervision of the following individuals:

<u>Authorized User</u>	<u>Materials and Use</u>
Michael J. McCarty	Subitems 6.F and 6.G
Robert D. Skowronek	All
Ken Yale	All
David Asselin	All
Greg Gothard	All
David Skutt	All
Todd Trygier	All
Donald Parry	Subitems 6.D, 6.H, 6.I, and 6.J
Jeff Tavormina	Subitems 6.D, 6.H, 6.I, and 6.J
Theodore Wentworth	Subitems 6.D, 6.H, 6.I, and 6.J

2. Supporting information for section 1

1.a: The Department and division names have changed.

1.b: The listed sources (E and L) were transferred to the U.S. Department of Energy (DOE) through the Off-Site Source Recovery Project. Paperwork transferring the sources to U.S. DOE was completed in September 2014.

1.c: With the sources having been transferred to the U.S. DOE, the authorized uses no longer apply.

1.d: Matt Bowen and Dan Glencer no longer work for the State of Michigan; they need to be removed from the authorized users list.

ATRO # 2014:88

**Off-Site Source Recovery Project
Authorization to Transfer/Relinquishment of Ownership/Custody**

SOURCE OWNER: State of Michigan DEQ
LICENSE:
CONTACT NAME: ~~Bob Skowronek~~ Ken Yale *7/2*
ADDRESS: 815 Filley Street
PO Box 30241
Lansing, MI 48911

TELEPHONE: 517-284-6582
FAX:

Pursuant to its authority under the Atomic Energy Act, the U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) has directed Los Alamos National Security, LLC (LANS), to recover and store excess, unwanted, abandoned, orphan radioactive sealed sources and other radioactive material sources on behalf of DOE/NNSA.

LANS has determined that the sealed source(s) identified below meet the requirements of the Los Alamos National Laboratory Off-Site Source Recovery Project and, on behalf of DOE/NNSA, authorizes State of Michigan DEQ to transfer the sealed source(s) to the following designated LANS support subcontractor:

NSSI / Sources & Services, Inc.
Texas Department of State Health Services
Radioactive Material License No. L02991

State of Michigan DEQ affirms it is the owner/custodian of the sealed source(s) identified below, and hereby irrevocably relinquishes all rights, title and ownership/custody in the sealed source(s) to DOE/NNSA in furtherance of the OSRP. LANS accepts the sealed sources on behalf of DOE/NNSA, pursuant to DOE/NNSA contract no. DE-AC52-06NA25396, upon the execution of the Acknowledgment of Receipt of the source(s) or container(s) by the designated LANS support subcontractor below.

SOURCE INFORMATION

Isotope:	Mfr/Model:	Serial No:	Activity (Ci):
239Pu	EBER/S94-1	7652	2.000E-10
239Pu	EBER/S94-1	7653	1.300E-08
239Pu	EBER/S94-1	7654	1.040E-07
239Pu	EBER/S94-1	7655	1.539E-06
239Pu	EBER/S94-4	P1931	3.195E-09
239Pu	EBER/S94-4	P5749	3.017E-10
239Pu	EBER/S94-4	P5788	2.769E-08
239Pu	EBER/S94-4	P5936	3.221E-07
241Am/Be	GN/71-1	71-1-012C	1.000E+00

SOURCE OWNER:

OFFICIAL NAME/TITLE: Kennerth Yale (State of Michigan)
NAME (Please Print or Type)

SIGNATURE *Kennerth Yale*

Chief, Radiological Protection Section
TITLE (Please Print or Type)

DATE 09/24/2014

LANS AUTHORIZATION:

OFFICIAL NAME/TITLE: Team Leader, Off-Site Source Recovery Project

SIGNATURE *Chris White*

DATE 9/26/14

ACKNOWLEDGEMENT OF RECEIPT BY DESIGNATED LANS SUPPORT SUBCONTRACTOR:
NSSI / Sources & Services, Inc.

OFFICIAL NAME/TITLE: _____
NAME (Please Print or Type)

SIGNATURE _____

TITLE (Please Print or Type)
DATE _____

Shipper No. 2015-012

Carrier No. _____

Page 1 of 1

YRC

Date _____

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

TO: NSSI
Consignee Attn: Carlos Rincon

FROM: LANS, LLC for U.S. DOE

Shipper State of Michigan DEO

Street 815 Filley St

City Lansing State MI Zip Code 48906

City Houston State, TX Zip Code 77087

24 hr. Emergency Contact Tel. No. (505) 667-6211

Route

Vehicle
NumberPLACARDS TENDERED: YES ☒ NO ☐

YRC FREIGHT SHIPMENT STATUS CALL, 1-800-610-6500

08/05/14

772-707004-X

772



YRC Freight tariffs are incorporated herein (copies available upon request)
YRC Freight tariffs limit its liability. This shipment is subject to the terms and conditions
of the Uniform Straight Bill of Lading as stated in the NMFC 100 series tariff.

possession of the property under the contract of carriage, and the carrier is not liable for the loss of or damage to the property if, on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to des-

REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

TOTAL CHARGES	\$
----------------------	-----------

FREIGHT CHARGES

FREIGHT PREPAID Check box if charges
except when box at are to be
right is checked ☐ collect

Signature

(Signature of Consignor)

ination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER LANS, LLC for U. S. DOE

CARRIER

PER Frank Cocina

PER

(505) 412-7438

DATE _____

Permanent post-office address of shipper.



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ATRO # 2014:90

Off-Site Source Recovery Project
Authorization to Transfer/Relinquishment of Ownership/Custody

SOURCE OWNER: State of Michigan DEQ
LICENSE:

TELEPHONE: 517-284-6582
FAX:

CONTACT NAME: ~~Bob Skowronek~~ Ken Yole
ADDRESS: 815 Filley Street
PO Box 30241
Lansing, MI 48911

Pursuant to its authority under the Atomic Energy Act, the U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) has directed Los Alamos National Security, LLC (LANS), to recover and store excess, unwanted, abandoned, orphan radioactive sealed sources and other radioactive material sources on behalf of DOE/NNSA.

LANS has determined that the sealed source(s) identified below meet the requirements of the Los Alamos National Laboratory Off-Site Source Recovery Project and, on behalf of DOE/NNSA, authorizes State of Michigan DEQ to transfer the sealed source(s) to the following designated LANS support subcontractor: QSA Global - Interim Storage.

State of Michigan DEQ affirms it is the owner/custodian of the sealed source(s) identified below, and hereby irrevocably relinquishes all rights, title and ownership/custody in the sealed source(s) to DOE/NNSA in furtherance of the OSRP. LANS accepts the sealed sources on behalf of DOE/NNSA, pursuant to DOE/NNSA contract no. DE-AC52-06NA25396, upon the execution of the Acknowledgment of Receipt of the source(s) or container(s) by the designated LANS support subcontractor below.

SOURCE INFORMATION

Isotope:	Mfr/Model:	Serial No:	Activity (Ci):
241Am/Be/137Cs	NEN/NER-560A	1096	1st Isotope: 6.000E-02 2nd Isotope: 1.000E-02

SOURCE OWNER:

OFFICIAL NAME/TITLE: Kennerh Yole (State of Michigan)
NAME (Please Print or Type)

SIGNATURE [Signature]

Chief, Radiological Protection Section
TITLE (Please Print or Type)
DATE 09/24/2014

LANS AUTHORIZATION:

OFFICIAL NAME/TITLE: Team Leader, Off-Site Source Recovery Project

SIGNATURE [Signature]

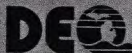
DATE 9/26/14

ACKNOWLEDGEMENT OF RECEIPT BY DESIGNATED LANS SUPPORT SUBCONTRACTOR:
QSA Global - Interim Storage

OFFICIAL NAME/TITLE: _____
NAME (Please Print or Type)

SIGNATURE _____

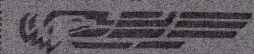
TITLE (Please Print or Type)
DATE _____



RADIOLOGICAL PROTECTION SECTION
WASTE MANAGEMENT AND RADIOLOGICAL PROTECTION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
PO BOX 30241
LANSING MI 48909-7741



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02 1W
0001395585 FEB 25 2016

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