



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
LANSING

KIRK T. STEUDLE
DIRECTOR

October 2, 2013

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

To Whom It May Concern:

Nuclear Regulatory Commission Material License
For the Michigan Department of Transportation
License No. 21-03039-01

Enclosed is an application to amend the subject material license for the Michigan Department of Transportation (MDOT). Based on a field review with Mr. Ryan Craffey on September 26 and 27, 2013, we are requesting the following modifications:

1. Remove eight MDOT facilities from License 21-03039-01. The eight facilities to be removed are shown on the enclosed Attachment I, dated October 1, 2013. These facilities were closed due a reorganization of MDOT. The portable nuclear density gauges stored at the closed facilities (shown on Attachment I) contain field sources that have never leaked. Leak tests are performed twice annually for each gauge.
2. Amend MDOT's license to allow possession of licensed material at four new permanent MDOT facilities as shown on the enclosed Attachment II, dated October 1, 2013.

MDOT plans to implement corrective measures to prevent the storage of licensed material at an unlicensed permanent facility. The measures will require that gauges be permanently stored at a facility listed on MDOT's Nuclear Regulatory Commission Materials License. Each MDOT region will have its own gauge sign-out sheet listing the licensed facilities within that region. Enclosed is an example of a gauge sign-out sheet.

MDOT is requesting the enclosed application to amend its license be expedited so that it will be included with our materials license renewal submittal in late October. MDOT's current license expires on December 31, 2013.

If you have any questions, please contact MDOT's radiation safety officer, Tom Killingsworth, at 517-322-6450.

Sincerely,

Richard B. Endres, P.E.
Supervising Engineer
Geotechnical Services Section

Enclosures
By UPS overnight

RECEIVED OCT 04 2013

(03-2013)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40



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 Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollect.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 21-03039-1
- ☐ C. RENEWAL OF LICENSE NUMBER _____

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

Tom Killingsworth
Michigan Dept. of Transportation/Construction Field Services Div.
P.O. Box 30049
Lansing, Michigan 48909

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

See Attachment I and Attachment II

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Tom Killingsworth

BUSINESS TELEPHONE NUMBER

(517) 322-6450

BUSINESS CELLULAR TELEPHONE NUMBER

(517) 331-0314

BUSINESS EMAIL ADDRESS

killingswortht@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

AMOUNT
ENCLOSED \$

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, 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

Richard B. Endres, P.E.
Supervising Engineer, Geotechnical Services Section

SIGNATURE

DATE

10-2-2013

FOR NRC USE ONLY

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

MICHIGAN DEPARTMENT OF TRANSPORTATION

ATTACHMENT I

**Amendment to
License Number 21-03039-01**

October 1, 2013

REMOVE THE FOLLOWING FACILITIES FROM THE ABOVE LICENSE:

MDOT - Cass City Transportation Service Center
6867 E. Cass City Road
Cass City, Michigan 48726

MDOT - Detroit Transportation Service Center
1400 Howard Street
Detroit, Michigan 48216-1917

MDOT - Escanaba Transportation Service Center
1818 Third Avenue North
Escanaba, Michigan 49829

MDOT - Grayling Transportation Service Center
1680 Hartwick Pines Road
Grayling, Michigan 49738

MDOT - Howard City Transportation Service Center
19153 West Howard City-Edmore Road
Howard City, Michigan 49329

MDOT - Lansing Transportation Service Center
3101 Technology Blvd., Suite H
Lansing, Michigan 48910

MDOT - Macomb Transportation Service Center
38257 Mound Road
Sterling Heights, Michigan 48310-3466

MDOT - Port Huron Transportation Service Center
2127 11th Avenue
Port Huron, Michigan 48060

MICHIGAN DEPARTMENT OF TRANSPORTATION

ATTACHMENT II

**Amendment to
License Number 21-03039-01**

October 1, 2013

ADD THE FOLLOWING FACILITIES TO THE ABOVE LICENSE:

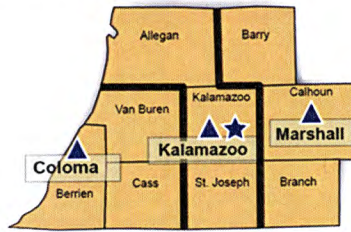
MDOT - Gaylord Transportation Service Center
1088 M-32 East
Gaylord, Michigan 49735

MDOT - Detroit Transportation Service Center
1060 West Fort Street
Detroit, Michigan 48226

MDOT - Lansing Transportation Service Center
2700 Port Lansing Road
Lansing, Michigan 48906

MDOT - Macomb/St. Clair Transportation Service Center
26170 21 Mile Road
Chesterfield Township, Michigan 48051

**TRANSFER OF
PORTABLE NUCLEAR DENSITY GAUGES
FROM CONSTRUCTION FIELD SERVICES DIVISION
TO SOUTHWEST REGION**



Coloma TSC
3880 Red Arrow Hwy.
Benton Harbor, MI 49022

Kalamazoo TSC
5372 South 9th Street
Kalamazoo, MI 49009

Marshall TSC
15300 West Michigan Avenue
Marshall, MI 49068

[illegible]



LETTER

Call 1-800-PICK-UPS (1-800-742-5877) or visit our Web site at www.ups.com

Place Labels in This Space

- Options: ☐ UPS Tracking Label and your address label
☐ UPS Air Shipping Document
☐ UPS Worldwide Waybill

		UPS Next Day Air® UPS Worldwide Express™		Shipping Document	
WEIGHT	WEIGHT	DIMENSIONAL WEIGHT	LARGE AIR PACKAGE	SHIPPER RELEASE	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/> EXPRESS (INTL)	<small>The shipper authorizes UPS to act as forwarding agent for export control and customs purposes.</small>	
			<input type="checkbox"/> DOCUMENTS ONLY	<small>The shipper certifies that these commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.</small>	
SHIPMENT FROM			SATURDAY DELIVERY		
UPS COUNT NO. 5185E6			1Z 518 5E6 22 1000 9565		
REFERENCE NUMBER					
Tom Killingsworth DEPT OF TRANSPORTATION 885 RICKS RD ANSING MI 48917-9570			1Z 518 5E6 22 1000 9565		
TELEPHONE 517-322-1087			UPS Next Day Air		
DELIVERY TO			1Z 518 5E6 22 1000 9565		
Materials Licensing Branch U.S. Nuclear Regulatory Comm. 2443 Wauernville Rd. - Suite 210 Lisle, IL 60532-4352					
TELEPHONE 60532-4352			1Z 518 5E6 22 1000 9565		
0101911202609 1/05 S			SHIPMENT ID NUMBER 5185 E679 YRF		
United Parcel Service, Louisville, KY			DATE OF SHIPMENT 10/02/13		

IL 603 9-03



(420) 60532-0000

UPS NEXT DAY AIR

TRACKING #: 1Z 518 5E6 22 1000 9565



100% Recycled Fiber
 (80% Post-Consumer Content)

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For stopping places, call 1-800-762-7862.

010195201 Rev. 12/01 BL United Parcel Service, Louisville, KY