

*Charlie A. Dooley*  
*County Executive*

Saint Louis  
**COUNTY**  
**HIGHWAYS & TRAFFIC**  
**PUBLIC WORKS**

*Sheryl L. Hodges, D.E., P.E., L.P.G.*  
*Director*

October 2, 2008

Materials Licensing Section  
United States Nuclear Regulatory Commission Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

RE: Request to Amend Materials License No. 24-26279-01

Dear Sir or Madam:

I am requesting three changes to License No. 24-26279-01:

- The Radiation Safety Officer from Dan Ahlvers to Joseph Brouk
- The contact telephone number from 314-615-1185 to 314-615-1175.
- The listing of gauge activity and nuclide

**Joseph J. Brouk, Jr., Engineering Technician IV** is designated by and responsible to management for the coordination of the radiation safety program.

The individual responsible for our radiation safety program is familiar with the Department's operating and emergency procedures and the conditions of your license. **Joseph J. Brouk, Jr.** also has completed the device manufacturer's training program and a copy of the training certificate is enclosed. **Joseph J. Brouk, Jr.**, will be attending R. M. Wester and Associates Radiation Safety Officer (RSO) training on October 21-22, 2008.

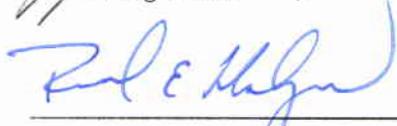
The RSO is responsible to management for the overall radiation program. The RSO is expected to coordinate the safe use of the devices and ensure compliance with the requirements of the license. Typical duties of the RSO include the following:

- To ensure that radioactive material, sealed sources and devices in use and/or in the possession of the applicant are limited to those specified in the license.
- To ensure that the devices are used only as authorized by the license.
- To ensure that the devices are properly secured against unauthorized removal at all times.
- To serve as a point of contact and give assistance in case of emergency (device damage, fire, theft, etc.) and to ensure that the proper authorities (NRC, local police and State personnel) are notified promptly in case of accident, damage or loss of the devices.
- To ensure that all of the terms and conditions of the license are met, such as periodic leak tests and inventories, are met and that the required records, such as personnel

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exposure records, leak test records, etc., are periodically reviewed for compliance with local Health regulations, and NRC license conditions.

**Joseph J. Brouk, Jr.**, is designated by and responsible to management for the coordination of the radiation safety program and accepts the position as Radiation Safety Officer (RSO).

	Engineering Technician IV	October 2, 2008
RSO Signature	Title	Date
	Supervisor, Project Manager	October 2, 2008
RSO Supervisor Signature	Title	Date
	Division Manager, Construction	October 2, 2008
Division Manager Signature	Title	Date

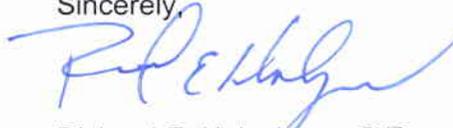
The listing of gauge activity and nuclide is requested to be added as follows:

Gauge Number	Activity, millicuries	Nuclide
4640B-990	8.0	CS-137
4640B-977	8.0	CS-137
3440-23574	8.0 + 40.0	CS-137, Am 241/Be
3440-23575	8.0 + 40.0	CS-137, Am 241/Be
3450-307	8.0 + 40.0	CS-137, Am 241/Be
AC-2-171	100	Am 241 / Be
AC-2-172	100	Am 241 / Be
Total:	360	

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Request to Amend Materials License No. 24-26729-01  
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Enclosed are two copies of the entire completed Material License amendment application. If you have any questions or need additional information, please contact me at 314-615-1180.

Sincerely,



Richard E. Holesinger, P.E.  
Chief Materials Engineer

REH:mw

Enclosures (4): 2 *NRC Form 313*, *Copy of Training Certificate*, *Joseph Brouk Resume*

cc: Sheryl L. Hodges, D.E., P.E., L.P.G., Director  
Stephanie Leon Streeter, P.E., Deputy Director  
Charles H. Tayloe, P.E., Division Manager, Construction  
Bruce Kozozenski, Risk and Insurance Manager  
Karen J. Wittkoetter, Administrative Services Division Manager  
Central File

**NRC FORM 313**  
(4-2008)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 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 Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@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.

**APPLICATION FOR MATERIALS LICENSE**

**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.**

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
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  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

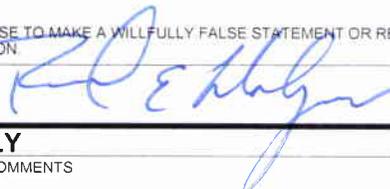
ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

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  
612 E. LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TX 76011-4125

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)		2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)	
<input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>24-26279-01</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____		<b>St. Louis County, Missouri</b> <b>Department of Highways and Traffic</b> <b>121 S. Meramec Avenue</b> <b>Clayton, Missouri 63105</b>	
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED		4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION	
<b>St. Louis County Department of Highways and Traffic</b> <b>Materials Testing Laboratory</b> <b>11283 Schaefer Drive</b> <b>Maryland Heights, Missouri 63043</b>		<b>Richard E. Holesinger</b>  TELEPHONE NUMBER <b>314 615-1180</b>	
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 (See 10 CFR 170 and Section 170.31)	
		FEE CATEGORY <b>No Charge</b> AMOUNT ENCLOSED \$ <b>0.00</b>	
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		SIGNATURE	DATE
<b>Mr. Richard E. Holesinger, P.E., Supervisor, P.M.</b>			<b>10/03/2008</b>

**FOR NRC USE ONLY**

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

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

**JOSEPH JOHN BROUK, JR.**

of

**ST. LOUIS COUNTY HIGHWAYS**

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.  
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

## Radiological Safety

- |  |   |
|--|---|
| 1. Principles and practices of radiation protection.                               | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures.  | 6. Accident and incident procedures.  |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation.                             |
| 4. Biological effects of radiation.  | 8. General safety precautions.  |

## Gauge Operation

- |                         |                      |
|-------------------------|----------------------|
| 1. Instrument theory    | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance          |                      |

Certificate # : 90705

Harvey Dunlay  
INSTRUCTOR

5/9/00  
DATE

William F. Troxler  
PRESIDENT

# Joseph John Brouk Jr.

## Engineering Technician IV

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**Education**

1972-1973, Washington University, **M.B.A.**, 1973  
 1966-1971, General Motors Institute, **B.I.E.**, 1971  
 1965-1966, The American School in Switzerland (TASIS), **P.G.**, 1966  
 1965, graduated from John Burroughs High School

**Professional Experience**

August, 2008, to Present  
 Promoted to Engineering Technician IV providing supervision of personnel involved with NRC, AASHTO, and ASTM testing of highway construction materials

January, 2000, to August, 2008  
 Promoted to full time with the Saint Louis County Government Department of Highways & Traffic, as an Engineering Technician II, providing field inspection services for asphalt and concrete mixes; promoted to Engineering Technician III, providing laboratory testing and procedures development of asphalt, concrete, steel, and paint materials in January, 2001

April, 1999 - December, 1999  
 Employed with Saint Louis County Government Department of Highways and Traffic as a Materials Testing Technician (On-Call), providing field coring and testing of concrete and asphalt highways

1995 to Present  
 Field Inspector of highway projects involving concrete polymer and epoxy materials for Sika Corporation (Contract)

Summer, 1998 - April, 1999  
 Customer Service Representative and Field Service Engineer for residential building products for St. Clair Corporation

Summer, 1995 - Summer, 1998  
 Account Representative and Field Engineer of commercial concrete repair and restoration for R.C. Schneider and Associates

**Certifications And Licenses**

April, 2001 - Certificate of Completion from Troxler Electronic Laboratories in Nuclear Gauge Testing and Radiation Safety; Laboratory Recertification 3-16-05

May, 2001 - American Concrete Institute (ACI) Field Technician, Grade I; Recertification March, 2005

February, 2002 - American Concrete Institute (ACI) Laboratory Technician, Grade I; Recertification March, 2008

March, 2003 - American Concrete Institute (ACI) Laboratory Technician, Grade II.

January, 2004 - MoDOT Field Technician, Level I; Recertified January, 2007

May, 2004 - MoDOT Bituminous Certification, Level I/Level II

May, 2004 - Saint Louis County E.S.D.P. Certification

April, 2005 - MoDOT Soil Certification, Level II

March, 2007 - MoDOT Plasticity Index Certification

December, 2007 - MoDOT TSR Certification

Spring/Summer, 1998 - CAD Certification, Forest Park Community College

June, 2002 - Missouri Commercial Truck License

XX OCT-07-08 ST. LOUIS MO 631

Saint Louis  
**COUNTY**

**HIGHWAYS & TRAFFIC**

121 South Meramec  
St. Louis, MO 63105

PRESORTED  
FIRST CLASS



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Materials Licensing Section  
United States Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road, Suite 210  
Lisle IL 60532-4352

HQALL31 60532

