

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 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.

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:

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
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
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
- C. RENEWAL OF LICENSE NUMBER 24-32406-01

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

Hutchens Construction Co.
1007 Main Street
Cassville, MO 65625

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Hutchens Construction Co
Sonora Asphalt Plant
17137 Pleasure Heights Drive
Springdale, AR 72764

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jeffrey R. Mitchell

TELEPHONE NUMBER

(479) 866-9557

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 3P 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
Jeffrey R. Mitchell, Radiation Safety Officer

SIGNATURE


DATE
5/15/12

FOR NRC USE ONLY

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

APPROVED BY _____ DATE _____

Question #5

Radioactive Materials:

A. RADIOACTIVE MATERIAL (ELEMENT & MASS NUMBER)	B. CHEMICAL AND/OR PHYSICAL FORM	C. MAXIMUM RADIOACTIVITY AND/OR QUANTITY OF MATERIAL WHICH LICENSEE MAY POSSESS AT ANY ONE TIME
1. Americium-241:Beryllium	Sealed Source (Troxler Drawing number A-100337)	330 millicuries total. No single source to exceed 330 millicuries
2. Americium-241:Beryllium	Sealed Source (Troxler Drawing number A-102451 or C-106580)	88 millicuries total. No single source to exceed 44 millicuries.
3. Cesium	Sealed Source (Troxler Drawing number A-102112)	18 millicuries total. No single source to exceed 9 millicuries.
4. Americium-241:Beryllium	Sealed Source (Troxler Model Number 3241C SN 1254) Source SN 558531	100 millicuries total. No single source to exceed 100 millicuries.
5. Americium-241:Beryllium	Sealed Source (Troxler Model Number 3241C SN 2548) Source SN 558531 (Troxler Drawing number RBA61869)	100 millicuries total. No single source to exceed 100 millicuries.
6. Americium-241: Beryllium	Sealed Source (Amersham Mdl # AMNV.339 and AMNV.340)	550 millicuries total. No single source to exceed 110 millicuries.
7. Americium-241: Beryllium	Sealed Source (AEA Mdl # AMNV.997: IPL Mdl: #3021 or 3027, or Am1.NO2)	352 millicuries total. No single source to exceed 44 millicuries
8. Cesium-137	Sealed Source (AEA mdl # CDCW556: IPL Model HEG-137)	72 millicuries total. No Single source to exceed 9 millicuries
9. Cesium-137	Sealed Source (Amersham Mdl # CDCW556: IPL Mdl # HEG-137-8M)	45 millicuries total. No single source to exceed 9 millicuries.

Question #6

Describe Purpose for which Radioactive Materials listed in Item 5 will be used:

- 1. To be used in Troxler Electronic Laboratories Inc source holder for moisture and density measurements.**

Question #7

Training and Experience of Users:

Attachments of Training Certificates for Jeffrey Mitchell

Attachment of Additional Haz Mat Safety program

APNGA
Certificate of Achievement
This confirms that

JEFFREY MITCHELL

has successfully completed the APNGA Portable Nuclear Gauge

Radiation Safety Officer Class

on this day

Monday, May 17, 2010

American Portable Nuclear Gauge Association (APNGA)
www.apnga.com


George E. Marshall
APNGA Director

Certificate of Completion

This certifies that

Jeffrey Mitchell

has successfully completed the
Nuclear Gauge Safety Training Class
conducted by the training department of

Troxler Electronic Laboratories, Inc.



Michael Dixon
Instructor

February 7, 2008
Date

William F. Troxler, Jr.
President



Troxler Electronic Laboratories, Inc.
PO Box 12057 * 3008 Cornwallis Rd. * Research Triangle Park, NC 27709
Phone: (919) 549-8681 * Fax: (919) 549-0761 * Web site: www.troxlerlabs.com

Pass-Certified to operate Nuclear
Gauges
10552175

HAZMAT CERTIFICATION

as required by U.S. DOT and IATA

This certifies that
Jeffrey Ryan Mitchell

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc. This certificate expires three years from the training date shown below.

March 07, 2012

EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature

John W. Halverson

Title

President



The Leader in Construction Testing Equipment

Troxler Electronic Laboratories, Inc.
PO Box 12057-3008 Cornwallis Road - Research Triangle Park, NC 27709
Phone: (919) 549-8661 - Fax (919) 549-0761 - www.troxlerlabs.com

Course: Hazmat Refresher

Tracking Code: 688B9GI6EI685IC_28276



Northwest Arkansas and Southwest Missouri

Main Office: 1007 Main St. • Cassville, Mo. 65625
(417) 847-2489 Fax (417) 847-5561
Toll Free (888) PAVE IT 2 [(888)728-3482]
www.hutchensconstruction.com

Asphalt Paving • Since 1961 • Crushed Limestone



HAZARD COMMUNICATION PROGRAM

The following written Hazard Communication Program has been developed for Hutchen's Construction. This written program will be accessible for review by all employees and will be located in the Superintendent's vehicle.

The individual responsible for keeping this program current and administering this written program is the Superintendent.

1. HAZARD DETERMINATION

- a. The Superintendent will use material safety data sheets from manufacturers, distributors, and importers, to establish hazard determination requirements.

2. LABELING

- a. The Superintendent will be responsible for:
 - (1) All containers received will be properly labeled.
 - (2) Check all labels for identity, hazard warnings, name and address of responsible supplier.
 - (3) Making certain that all portable containers used in the employee's workplace are labeled with identity and hazard warnings.
 - (4) Identifying all piping systems within the employee's workplace; every 10 feet where the piping is 8 feet or closer to employee contact.
 - (5) Piping shall be painted as follows:

Water	Green
Air	Blue
Natural Gas	Black



RECYCLED PAPER

3. MATERIAL SAFETY DATA SHEET (MSDS)

- a. The Project Manager will perform the following:
- (1) Compile a master MSDS file to be made available at the following location: The Superintendent's vehicle.
 - (2) Make MSDS's available for review to all employees during every work shift. Copies will be furnished to employees upon request. This file will be located in the Superintendent's vehicle.
 - (3) Shall make requests for MSDS's on all purchases.
 - (4) Maintain a file of all follow-up letters and telephone calls regarding all shipments received without MSDS's.
 - (5) Provide employees with the required "Right to Know" hazard communication and postings, informing employees of new and revised MSDS's within 5 days of receipt.

4. EMPLOYEE INFORMATION AND TRAINING

- a. The HR Office will coordinate and maintain records of training, covering 1910.1200 "Right to Know" hazard communication rules conducted at this site.
- b. Specifically this will be material containing information on the following:
- (1) Hazardous chemicals and their dangers in the employee's work place.
 - (2) Policies to know and procedures to follow if the employee becomes exposed to these hazardous chemicals.
 - (3) How to read and interpret labels and MSDS's utilized in the workplace.
 - (4) How to prevent exposure to hazardous chemicals in the work place and the use of proper protective equipment.
 - (5) Steps the company has taken to lessen or prevent exposure to hazardous chemicals by employees.
 - (6) Repeat the above when a new chemical is introduced within the employee's work place.

- c. Have each employee attending the training session, sign the "Hazard Communication Rules - Training Roster" indicating they received the safety training.
- d. Safety meetings will be conducted as required to discuss hazardous materials used.
- e. Employee bulletin boards will have postings that will provide location of the written Hazard Communication Program.
- f. New employees will be trained within 5 days of hiring.

5. HAZARDS OF NON-ROUTINE TASKS

- a. Techniques used to inform employees of the hazards of non-routine tasks:
 - (1) Changing compressed gas cylinders.
 - (2) Welding.
 - (3) Application of herbicides, pesticides, insecticides, rodenticides, fumigants, etc.
- b. Information will include:
 - (1) Action necessary to lessen the hazards including personal protective equipment, "Buddy System", ventilation, and emergency procedures.
 - (2) Safety measures the employee should take.

6. ON-SITE CONTRACTORS

- a. The Vice President will inform the contractor of the hazards their employees may be exposed to while performing their work.
 - (1) Make available MSDS for all pertinent hazardous chemicals their employees may be exposed to.
 - (2) Proper procedures to follow if their employees are exposed.
 - (3) The Vice President will coordinate with the prime contractor to insure that contractor's employees are given this information prior to entering the work place.
 - (4) The labeling system used by the product manufacturer will be the system utilized at this facility.

7. HAZARDOUS CHEMICAL INVENTORY LIST

- a. This will be a list of chemicals used in the plant for which there must be MSDS's.
- b. These MSDS's will be available to all inspectors and personnel. He or she will use this list to evaluate the MSDS program.
- c. The following is a complete listing:

HAZARDOUS MATERIAL

Question #10

Radiation Detection Instruments:

a. Type of Instruments (Include Mfg & Model Number)	b. Number Available	c. Radiation Detected	d. Sensitivity Range (mR/hr)	e. Use (monitoring, surveying or measuring)
SE International, Radiation alert Monitor 4, Make LND, Tube Model 712,	1	Alpha, Beta & Gamma	0-0.5 0.5-5 5-50	Surveying

I have attached a copy of the calibration report for this Meter.

Material Receipt and Accountability:

Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.

Annual Dose Limits for Radiation workers:

Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10 percent of the allowable limits in 10 CFR part 20 or we will provide dosimetry processed and evaluated by a NVLAP approved processor that is exchanged at a frequency recommended by the processor.

Operating and Emergency Procedures:

We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1 'Consolidated Guidance about Materials Licenses: Program specific Guidance about Portable Gauge Licenses', dated May 1997 and provide copies of these procedures to all gauge users at each job site.

Leak Tests:

Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit suppliers' instructions.

Maintenance:

We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

CERTIFICATE OF CALIBRATION



S.E. INTERNATIONAL, INC.
 436 Farm Road P.O. Box 39 Summertown, TN. 38483
 Ph: 931.964.3561 Fax: 931.964.3564
 www.seintl.com | radiationinfo@seintl.com

Certificate Number:
12-757
 CAL DATE: 4/13/2012
 CAL DUE DATE: 4/13/2013

Customer Information:

Hutchins Construction
 Radiation Safety Officer Jeff Mitchell
 515 Sanders Ave.
 Springdale, AR 72764 USA
 0

Customer PO:

Instrument Information:

Instrument: SE International, Inc.
 Type:
 Model: Radiation Alert Monitor 4
 Serial: 75822
 Make: LND
 Tube Model: 712
 Detector: Internal
 Input Sens: 2.4VDC
 Inst Voltage set: 512VDC

Contamination Check: ✓
 Alarm Check: ✓
 Audio Check: ✓
 Received: Out of Spec:
 Mechanical Check: ✓
 Battery Check: ✓ 9.25VDC
 Tolerance: ✓ ± 10% ± 20% Out of Spec

Calibration Data:

S.E. International, Inc. Certifies the above described instrument was calibrated in a known radiation field using a Cs¹³⁷ (662keV) beam calibrator. Transfer instrument MDH Industries, Model 2025 X-Ray Monitor with 1800cc Probe. Calibration is traceable to NIST DG8640/87. GM detectors are positioned perpendicular to source. This calibration conforms to ANSI/NCCL Z540.1-1994, ANSI N323-1978. The results are tabulated below. This certificate may not be reproduced, unless in full, without written approval from S.E. International Inc. **TENNESSEE LICENSE# R-51002-C15**

Precision/Constancy Check performed with Cs¹³⁷ Source s/n 010817 | Precision: ± 10% ± 20%

Constancy Check: 1 uCi of Cs¹³⁷ indicates 0.60 mR/hr when placed against the center of the GM tube from the front of unit.

Reading 1: 0.6 mR/hr Temperature: 18.7 °C
 Reading 2: 0.6 mR/hr Relative Humidity: 48.0%
 Reading 3: 0.6 mR/hr mmHg: 740.0
 Mean: 0.60 mR/hr

Notes:
 Unit: "NEW".

Range Multiplier	Reference Calibration Point	Instrument Meter Reading after Calibration	Correction Factors for > +/- 10% *
X100	40mR/hr	40.0 mR/hr	None
X100	10mR/hr	10.0 mR/hr	None
X10	4mR/hr	3.98 mR/hr	None
X10	1mR/hr	1.08 mR/hr	None
X1	0.4mR/hr	0.401 mR/hr	None
X1	0.1mR/hr	0.104mR/hr	None

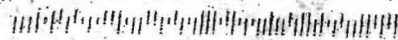
** = Range calibrated to electronic standard | * Indicates 1 minute average

Cs137 Gamma 6810 Capsule S/N A-369 and Model 28-5A Calibrator S/N 10291 calibrated monthly for decay

Multimeter S/N 77320214 Cal Date: 12/12/11 Cal Due: 12/12/12 Arb Gen. S/N 34004570 Cal Date: 12/12/11 Cal Due: 12/12/12


 Calibrated by: Robert Russell

CERTIFIED MAIL™



7008 3230 0003 3983 7279



045J00205492

neopost

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Hutchens Construction Co
1007 Main Street
Cassville, MO 65625

MATERIALS LICENSING BRANCH

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