



KOEHLER ENGINEERING & LAND SURVEYING, INC.

194 Coker Lane
Cape Girardeau, Missouri 63701
Phone: (573) 335-3026 ***** Fax: (573) 335-3049

TRANSMITTAL SHEET

TO:	BILL REICHHOLD	FROM:	KENNY STONE
COMPANY:	US NUCLEAR REG. COMM	DATE:	May 14, 2008
PHONE #:	(630) 829-9839	NUMBER OF PAGES (INCLUDING THIS SHEET):	8
FAX #:	(630) 515-1078	SENDER'S REFERENCE NUMBER:	
RE:	YOUR REFERENCE NUMBER:		

- URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

CONTROL 316740

NRC FORM 313
(10-2005)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIAL LICENSE

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, 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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: **IF YOU ARE LOCATED IN:**

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

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

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, 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

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, 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
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

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 24-32042-01

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

Koehler Engineering & Land Surveying, Inc.
194 Coker Lane
Cape Girardeau, MO 63701

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

194 Coker Lane
Cape Girardeau, MO 63701

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Kenny Stone

TELEPHONE NUMBER

(573) 335-3026

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	AMOUNT ENCLOSED
	2300⁰⁰

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 **Kenny Stone, Radiation Safety Officer** SIGNATURE *Kenny Stone RSO* DATE **11-14-07**

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			5		

APPROVED BY _____ DATE _____

Because the burden for this information collection is insignificant, Office of Management and Budget (OMB) clearance is not required.

NRC FORM 526 (10-2007) 10 CFR 171		U.S. NUCLEAR REGULATORY COMMISSION	
CERTIFICATION OF SMALL ENTITY STATUS FOR THE PURPOSES OF ANNUAL FEES IMPOSED UNDER 10 CFR PART 171 FY 2008			
If you have QUESTIONS, e-mail them to: fees@nrc.gov			
SEE IMPORTANT INSTRUCTIONS FOR NRC FORM 526 ON PAGE 2 -- PLEASE READ CAREFULLY DO NOT COMPLETE OR RETURN THIS FORM IF YOU DO NOT QUALIFY AS A SMALL ENTITY			
NAME AND ADDRESS OF LICENSEE (as it appears on the invoice): Koehler Engineering & Land Surveying 194 Coker Lane Cape Girardeau, MO 63701		INVOICE NUMBER LICENSE NUMBER 24-32042-01	BUSINESS TELEPHONE NUMBER (573) 335-3026 CONTACT NAME Kerry Stone
EMAIL ADDRESS kstone@koehlerengineering.com	COMPANY WEBSITE ADDRESS www.koehlerengineering.com	CONTACT TELEPHONE NUMBER (573) 335-3026	
SIZE STANDARDS (Check one box only)			MAXIMUM ANNUAL FEE PER LICENSED CATEGORY (See Items 2 and 3 on back)
DO NOT RETURN THIS FORM IF YOU DO NOT QUALIFY UNDER ONE OF THESE SIZE STANDARDS			
1. SMALL BUSINESS A for-profit concern that provides a service or a concern not engaged in manufacturing with average gross receipts of \$5 million or less over its last 3 completed fiscal years.		<input checked="" type="checkbox"/> A. \$350,000 TO \$6,500,000 <input type="checkbox"/> B. LESS THAN \$350,000	\$ 2,300 \$ 500
2. MANUFACTURING INDUSTRY A manufacturing concern with an average number of 500 or fewer employees based upon employment during each pay period for the preceding 12 calendar months. In accordance with the North American Industry Classification System (NAICS), each business is assigned a NAICS business code. If you do not know your NAICS business code refer to www.census.gov , enter NAICS Codes. NAICS BUSINESS CODE: <input style="width: 100px;" type="text"/>		<input type="checkbox"/> A. 35 to 500 EMPLOYEES <input type="checkbox"/> B. LESS THAN 35 EMPLOYEES	\$ 2,300 \$ 500
3. SMALL ORGANIZATION A not-for-profit organization that is independently owned and operated and has annual gross receipts of \$5 million or less.		<input type="checkbox"/> A. \$350,000 TO \$6,500,000 <input type="checkbox"/> B. LESS THAN \$350,000	\$ 2,300 \$ 500
4. SMALL GOVERNMENTAL JURISDICTION (INCLUDING PUBLICLY SUPPORTED EDUCATIONAL INSTITUTIONS) * A government of a city, county, town, township, village, school district, or special district with a population of less than 50,000.		<input type="checkbox"/> A. 20,000 TO 50,000 POPULATION <input type="checkbox"/> B. LESS THAN 20,000 POPULATION	\$ 2,300 \$ 500
5. SMALL EDUCATIONAL INSTITUTION THAT IS NOT STATE OR PUBLICLY SUPPORTED AND HAS 500 OR FEWER EMPLOYEES*		<input type="checkbox"/> A. 35 to 500 EMPLOYEES <input type="checkbox"/> B. LESS THAN 35 EMPLOYEES	\$ 2,300 \$ 500
* An educational institution referred to in the size standards is an entity whose primary function is education, whose programs are accredited by a nationally recognized accrediting agency or association, who is legally authorized to provide a program of organized instruction or study, who provides an educational program for which it awards academic degrees, and whose educational programs are available to the public.			
CERTIFICATION			
This certification MUST be signed by the owner of the entity named above or an official empowered to act on behalf of the entity.			
I certify that the above named NRC licensee qualifies as a small entity under the size standards established by the NRC for its licensees in 10 CFR 2.810 (60 FR 18344). The licensee qualifies as a small entity under the specific size standard indicated above.			
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. The submittal of willful false statements is punishable by fine or imprisonment, or both, and for purposes of this certification, may result in revocation or suspension of the license.			
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.	TYPED OR PRINTED NAME AND TITLE Kerry Stone, Radiation Safety Officer	SIGNATURE 	DATE 11-14-07

APPENDIX B

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
<input checked="" type="checkbox"/>		Cesium-137	Sealed source manufacturer or distributor and model number: Humboldt / Troxler Device manufacturer or distributor and model number: Humboldt / Troxler	Humboldt Not to exceed 11 Millicuries Troxler Not to exceed 9 Millicuries	Yes <input checked="" type="checkbox"/> Specific description of the gauge use:	<input checked="" type="checkbox"/> Not applicable 0 Uses are: (Submit safety analysis supporting safe use)
<input checked="" type="checkbox"/>		Americium-241	Sealed source manufacturer or distributor and model number: Humboldt / Troxler Device manufacturer or distributor and model number: Humboldt / Troxler	Humboldt Not to exceed 44 millicuries Troxler Not to exceed 44 millicuries	Yes <input checked="" type="checkbox"/> Specific description of the gauge use:	<input checked="" type="checkbox"/> Not applicable 0 Uses are: (Submit safety analysis supporting safe use)

APPENDIX B

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	<input checked="" type="checkbox"/>	Californium-252	Sealed source manufacturer or distributor and model number:		Yes Specific description of the gauge use:	<input checked="" type="checkbox"/> Not applicable
	Device manufacturer or distributor and model number:		Uses are:			
			(Submit safety analysis supporting safe use)			
	<input checked="" type="checkbox"/>	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number:		Yes Specific description of the gauge use:	<input checked="" type="checkbox"/> Not applicable
	Device manufacturer or distributor and model number:		Uses are:			
			(Submit safety analysis supporting safe use)			
<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>						

APPENDIX B

ITEMS 7 THROUGH 11 TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item No. And Title	Response	Yes	Alternative Procedures Attached
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE — RADIATION SAFETY OFFICER Name: KENNY STONE	Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "individual(s) Responsible for Radiation Safety Program and Their Training and Experience — Radiation Safety Officer" in NUREG-1556, Vol. I, Rev. 1, dated November 2001.	X	
8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. I, Rev I, dated November 2001.	X	
9: FACILITIES AND EQUIPMENT	Need Not Be Submitted		Separate Item 9 Need Not Be Submitted
10. RADIATION SAFETY PROGRAM — AUDIT PROGRAM	Need Not Be Submitted		Need Not Be Submitted
10. RADIATION SAFETY PROGRAM — TERMINATION OF ACTIVITIES	Need Not Be Submitted		Need Not Be Submitted
10. RADIATION SAFETY PROGRAM — SURVEY INSTRUMENTS	We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program — Instruments" in NUREG-I 556, Vol. 1, Rev. 1, dated November 2001.	X	

APPENDIX 13

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM - 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.	X	
10. RADIATION SAFETY PROGRAM - OCCUPATIONAL DOSIMETRY	We will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive 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 an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	X	
10. RADIATION SAFETY PROGRAM - PUBLIC DOSE	Need Not Be Submitted	Need Not Be Submitted	
10. RADIATION SAFETY PROGRAM - OPERATING AND EMERGENCY PROCEDURES	Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program- Operating and Emergency Procedures" in NUREG- 1556, Vol. 1, Rev. 1, dated November 2001.	X	
10. RADIATION SAFETY PROGRAM - LEAK TEST	Leak tests will be performed at intervals approved by 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 for 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 supplier's instructions.	X	

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Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM - MAINTENANCE	<p><i>Routine Cleaning and Lubrication</i></p> <p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions..</p> <p><i>Non-Routine Maintenance</i></p> <p>We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod _from the gauge.</p>	K	
10. RADIATION SAFETY PROGRAM - TRANSPORTATION	Need Not Be Submitted	Need Not Be Submitted	
11. WASTE MANAGEMENT - GAUGE DISPOSAL AND TRANSFER	Need Not Be Submitted	Need Not Be Submitted	