



**HANSON
ENGINEERS**
INCORPORATED

Engineers, Architects & Scientists

August 29, 2000

R
030-10760

United States Nuclear Regulatory
Commission (Region III)
801 Warrenville Road
Lisle, Illinois 60532-4351

Re: Request for License Renewal
License No. 12-16303-01

Gentlemen:

Enclosed is Hanson Engineers Incorporated's license renewal package. Included is completed NRC Form 313, "Application for Material License," along with attachments.

We have not enclosed a fee for this license renewal. It is our understanding through telephone conversations with NRC Representatives that there is no longer a fee associated with license renewals. This fee is now included in the annual licensing fees. Should this be an incorrect assumption, Hanson Engineers will gladly provide the appropriate fee upon request.

Please contact us if you have any questions regarding the information presented in this license renewal.

Sincerely,

HANSON ENGINEERS INCORPORATED

Lisa K. Graham
Radiation Safety Officer

Enclosures

SEP 1 2000

1525 S. Sixth St. • Springfield, IL 62703-2886 • (217) 788-2450 • Fax: (217) 788-2503

NRCRenewalLetter.doc
Kab082900

Offices nationwide • www.hansonengineers.com

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306933

(8-1999)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

APPLICATION FOR MATERIAL LICENSE

Estimated burden per response to comply with this mandatory information collection request 7.4 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 Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@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, 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:

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:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

SAM NUNN ATLANTA FEDERAL CENTER
U. S. NUCLEAR REGULATORY COMMISSION, REGION II
61 FORSYTH STREET, S.W., SUITE 23T85
ATLANTA, GEORGIA 30303-8931

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

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 SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

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 12-16303-01

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

Hanson Engineers Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

See Attachment

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Lisa K. Graham, RSO

TELEPHONE NUMBER

217-788-2450 (x232)

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. LICENSEE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY

AMOUNT
ENCLOSED \$ 0

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

Sergio Pecori - President

SIGNATURE

Sergio Pecori

DATE

8/29/00

FOR NRC USE ONLY

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

NRC LICENSE RENEWAL NO. 12-16303-01

ITEM 3: ADDRESSES WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Gauges will be used only at temporary jobsites anywhere in the United States where the NRC maintains jurisdiction.

Gauges are stored in permanent designated storage facilities located at the following Hanson Engineers addresses:

- 1525 South Sixth Street
Springfield, Illinois 62703
- 815 Commerce Drive (Suite 200)
Oak Brook, Illinois 60521
- 2900 West Willow Knolls Road
Peoria, Illinois 61614-1129
- 6775 Fincham Drive
Rockford, Illinois 61108-3001

ITEM 4: PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Contact Name: Lisa K. Graham, Radiation Safety Officer
Hanson Engineers Incorporated
Corporate Headquarters
1525 South Sixth Street
Springfield, Illinois 62703

Telephone No.: (217) 788-2450 (x232)

ITEM 5: RADIOACTIVE MATERIAL-SEALED SOURCES AND DEVICES

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Cs-137	Sealed Source - Amersham Holdings, Inc. Model CDCW 556, or Isotope Products Lab. Model HEG-137-8 (formerly A-102112)	9 mCi	Any
B.	Am-241 (AmBe)	Sealed Source - Amersham Holdings, Inc. Model AMN.V997, or Isotope Products Lab. Model 3021 or 3027 (formerly A-102451)	44 mCi	Any

*NOTE: Items A and B are to be used in Troxler Model 3400 series surface moisture/density gauges.

ITEM 6: PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

Licensed material will be used in surface moisture/density gauges for the purposes described in their respective Sealed Source Device Registration Sheets.

ITEM 7: INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE-RADIATION SAFETY OFFICER

Radiation Safety Officer Name: Lisa K. Graham

Ms. Graham has completed the "Seminar on Radiation Safety Training and Management" presented by Stan A. Huber Consultants, Inc. This satisfies the training course requirement 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. 1, Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses, dated May 1997.

ITEM 8: TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTIVE AREAS

Before using licensed materials, authorized users successfully complete one of the training courses described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses, dated May 1997.

ITEM 9: FACILITIES AND EQUIPMENT

There is no requirement in NUREG-1556, Vol. 1 to submit a response to this item.

ITEM 10: RADIATION SAFETY PROGRAM-AUDIT PROGRAM

Hanson Engineers reviews the content and implementation of the radiation protection program annually for the following:

- Compliance with NRC and DOT regulations, and the terms and conditions of the license;
- Occupational doses and doses to members of the public are as low as reasonably achievable (ALARA) (10CFR20.1101); and
- Records of audits and other reviews of program content are maintained for 3 years.

ITEM 10: RADIATION SAFETY PROGRAM-SURVEY INSTRUMENTS

Hanson Engineers 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- 1556, Vol. 1, dated May 1997, in the event of an incident.

ITEM 10: RADIATION SAFETY PROGRAM- MATERIAL RECEIPT AND ACCOUNTABILITY

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

ITEM 10: RADIATION SAFETY PROGRAM-OCCUPATIONAL DOSIMETRY

Gauge users are required to wear thermoluminescent dosimeters at all times when gauges are transported, used, or maintained. Badges are replaced quarterly by a NVALP approved processor (Landauer).

ITEM 10: RADIATION SAFETY PROGRAM-OPERATING AND EMERGENCY PROCEDURES

Hanson Engineers will implement and maintain the operating and emergency procedures as described in Appendix H of NUREG-1556, Vol. 1 dated May 1997, and provide copies of these procedures to all gauge users and at each job site.

ITEM 10: RADIATION SAFETY PROGRAM- LEAK TEST

Leak Tests will be performed at six month intervals as specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by the 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 the NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.

ITEM 10: MAINTENANCE

Hanson Engineers will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions. Gauges will be sent to the manufacturer or other person authorized by the 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.

ITEM 11: WASTE MANAGEMENT-GAUGE DISPOSAL AND TRANSFER

No commercial waste disposal service is employed. If source disposal is necessary, the gauge will be returned to the manufacturer for disposal.

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

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: Program Code: 03121  
: Status Code: 2  
: Fee Category: 3P  
: Exp. Date: 20000930  
: Fee Comments:  
: Decom Fin Assur Req'd: N
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A. REGION

APPLICANT ATTACHED: HANSON ENGINEERS INCORPORATED
 Applicant/Licensee: 20000901
 Received Date: 3010760
 Docket No.: 306933
 Control No.: 12-16303-01
 License No.: Renewal
 Action Type:

Amount: 0
Check No.: 0

Signed D. A. Persley
Date 9-6-2000

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____