

Ingram Engineering Services, Inc.
Chadd W. Ingram, P.E., S.E.O.
 19 S. Darlington Street 3rd Floor, West Chester, PA 19382

B r 3

February 27, 2009

Licensing Assistance Team
 Division of Nuclear Materials Safety
 U.S. Nuclear Regulatory Commission, Region I
 475 Allendale Road
 King of Prussia, PA 19406-1415

L 31287
 03037991
 03121
 (37-31287-02)

RECEIVED
 REGION I
 2009 MAR -5 PM 2: 25

RE: NRC FORM 313 - Application for Material License

To Whom It May Concern:

Please find enclosed the completed NRC Form 313, Application for Material License. It is IES' understanding that the application process for obtaining permission to cross the State lines mentioned in the application could potentially take up to 90 days. IES would like to request an Expediter Review in order to accelerate this process, as the Testing that requires use of the Nuclear Density Gauge will commence sooner than IES and the Client, GG+A Construction, had anticipated. When IES was originally slated to provide services for GG+A Construction, both IES and GG+A Construction were under the impression that previously hired companies would render specific services. Unfortunately, GG+A was not satisfied with the work provided by this previous company.

Testing is an essential element to IES. Having access to the Nuclear Density Gauge to perform tests on site is paramount, as it saves the Client time and money and sets us apart from other companies that have to send soils out for testing in labs etc. This is essentially why we were hired by GG+A Construction and makes IES a prospect for many upcoming projects. IES is already slated to provide similar services on another project with GG+A, scheduled to commence in a few weeks.

Should any other information be required in order for Ingram Engineering Services, Inc. to obtain permission to enter the State of Delaware and New Jersey with the 3440 Plus Troxler Nuclear Density Gauge, please contact either of the undersigned at the telephone number denoted below.

Sincerely,

Lindsay April
 Office Manager
 On Behalf of Chadd W. Ingram, P.E.
 (DE, MD, NJ, PA), S.E.O.
 Principal & CEO
 Ingram Engineering Services, Inc.
 484.947.5549 office
 610.431.7015 fax
Lindsay.ies@verizon.com

14 3506

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. 31504120

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 Rewards 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, NE0B-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impede 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

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

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

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

L 31287
0330 3799H
03121
(37-31287-04)

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 _____

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

Ingram Engineering Services, Inc
19 South Darlington Street, Third Floor
West Chester PA 19382

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

DELAWARE, NEW JERSEY, WASHINGTON, DC.

4 NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Chadd W. Ingram or Lindsay April

TELEPHONE NUMBER

(484) 947-5549

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2009 MAR 15 PM 2:25

SUBMIT ITEMS 5 THROUGH 11 ON 8-112 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 \$ **1,300.00**

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

Gary Ingram - Senior Technician

SIGNATURE

Gary Ingram

DATE

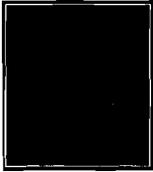
3/4/09

FOR NRC USE OM &

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

APPROVED BY

DATE



Ingram Engineering Services, Inc.
Chadd W. Ingram, P.E., S.E.O.
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February 27, 2009

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: Application for Material License

To Whom It May Concern:

The following denotes information for numbers 5 through 11 on NRC FORM 313:

5. RADIOACTIVE MATERIAL

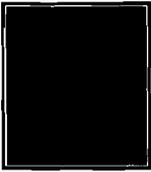
- a. Element and Mass Number –
 - 1) Cesium 137
 - 2) Americium 241
- b. Chemical and/or Physical Form –
 - 1) Sealed Sources (QSA Global Model CDCW556; Isotope Products Laboratories Model HEG-137)
 - 2) Sealed Sources (QSA Global Model AMNV.997; Isotope Products Laboratories Models Am1.No2, 3021, 3027)
- c. Maximum Amount which will be possessed at one time –
 - 1) 9.0 millicuries per source and 18.0 millicuries total
 - 2) 44.0 millicuries per source and 88.0 millicuries

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED

To determine native soil and import imported processed stone or material density values in accordance to ASPN 698-D

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE –

- a. Gary Ingram – IES Technician
Nuclear Gauge Safety Training and Hazmat Training
- b. Gary Bergman – IES Technician
Nuclear Gauge Safety Training, Hazmat Training, RSO Training on 2/25/2009 in Baltimore Maryland, Inspector Bob Jones with Troxler authorized Rep Sales and Training. Topics Discussed (8 hour course):
 - 1) Radioactive Fundamentals. 2) Radiologic Protection. 3) Licensing.
 - 4) Leak-Testing. 5) Transportation. 6) Records.



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8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:

N/A

9. FACILITIES AND EQUIPMENT

3440 Plus Troxler Nuclear Density Gauge – Will be stored and locked in a transport vehicle during transport to site and any lunch break or similar. Gauge will be stored and locked in a transport vehicle during transport back to permanent storage.

10. RADIATION SAFETY PROGRAM

Nuclear Gauge Safety Program, Personnel Monitoring Equipment – All personnel are wearing TLD Badges that are changed every 3 months.

11. WASTE MANAGEMENT

The Technicians and other employees are not authorized per Manufacturer's and NRC Regulation.

Should any other information be required in order for Ingram Engineering Services, Inc. to obtain permission to enter the State of Delaware and New Jersey with the Nuclear Density Gauge, please contact either of the undersigned at the telephone number denoted below.

Sincerely,

A handwritten signature in cursive script, appearing to read "Lindsay April".

Lindsay April
Office Manager
On Behalf of Chadd W. Ingram, P.E.
(DE, MD, NJ, PA), S.E.O.
Principal & CEO
Ingram Engineering Services, Inc.
484.947.5549 office
610.431.7015 fax
Chadd.ies@verizon.net

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
X		Cesium-137	<p>Sealed source manufacturer or distributor and model number:</p> <hr/> <p>Device manufacturer or distributor and model number: 3440 Troxler PLUS</p> <hr/> <p>3440 PLUS Troxler Nuclear Density Gauge</p>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	<p>Yes <input checked="" type="checkbox"/></p> <p>Specific description of the gauge use:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p><input checked="" type="checkbox"/> Not applicable</p> <hr/> <p><input type="checkbox"/> Uses are:</p> <hr/> <p>(Submit safety analysis supporting safe use)</p>
X		Americium-241	<p>Sealed source manufacturer or distributor and model number:</p> <hr/> <p>Device manufacturer or distributor and model number: 3440 Troxler PLUS</p> <hr/> <p>3440 PLUS Troxler Nuclear Density Gauge</p>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	<p>Yes <input checked="" type="checkbox"/></p> <p>Specific description of the gauge use:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<p><input checked="" type="checkbox"/> Not applicable</p> <hr/> <p><input type="checkbox"/> Uses are:</p> <hr/> <p>(Submit safety analysis supporting safe use)</p>

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
		Californium-252	Sealed source manufacturer or distributor and model number: <hr/> Device manufacturer or distributor and model number: <hr/>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/> Not applicable <hr/> <input type="checkbox"/> Uses are: <hr/> (Submit safety analysis supporting safe use)
	X	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: <hr/> Device manufacturer or distributor and model number: <hr/>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes <input type="checkbox"/> Specific description of the gauge use: <hr/> <hr/>	<input type="checkbox"/> Not applicable <hr/> <input type="checkbox"/> Uses are: <hr/> (Submit safety analysis supporting safe use)
<i>Financial Assurance Required and Evidence of Financial Assurance Provided</i>						

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

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER Name: <u>Gary Ingram</u>	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. 1, Rev. 1, dated November 2001.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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. 1, Rev 1, dated November 2001.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. FACILITIES AND EQUIPMENT	No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."	Separate Item 9 Response Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM – AUDIT PROGRAM	The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES	The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.	Need Not Be Submitted With Application	
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-1556, Vol. 1, Rev. 1, dated November 2001.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

APPENDIX B

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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY	Either 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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. RADIATION SAFETY PROGRAM – PUBLIC DOSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	<p>We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.</p> <p style="text-align: center;">OR</p> <p>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.</p>	<p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<p><input type="checkbox"/></p> <p>The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.</p>

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>	<p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p>
10.RADIATION SAFETY PROGRAM – TRANSPORTATION	The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.		Need Not Be Submitted With Application
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	The applicant is <i>not</i> required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.		Need Not Be Submitted With Application

This is to acknowledge the receipt of your letter/application dated

2/27/2009 & 3/4/2009, and to inform you that the initial processing which includes an administrative review has been performed.

NEW LICENSE APPLICATION 603037991
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 143506
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.