	.S. NUCLEAR REG	ULATORY COMMIS		ED BY OMB: NO. 3150-0			10/31/2008	
(10-2005) 10 CFR 30, 32, 33,			hours, S	d burden per response to o ubmittal of the application and that adequate proced	is necessary to dete	ermine that the	applicant is	
34, 35, 36, 39, and 40			Send co	nments regarding burden e	stimate to the Record	s and FOIA/Priva	acy Services	
			Informat	F-5 F53), U.S. Nuclear Regi ernet e-mail to infocollec	ts@nrc.gov, and to	the Desk Office	er, Office of	
APPLICATION FOR MATERIAL LICENSE			E and Buc	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 persor	n is not required to r	espond to, the	information	
INSTRUCTIONS: SEE THE SEND TWO COPIES OF T	E APPROPRIATE LI HE ENTIRE COMPI	CENSE APPLICATIO	ON GUIDE FOR N TO THE NRC	DETAILED INSTRUCT OFFICE SPECIFIED B	TONS FOR COMPL	ETING APPL	ICATION.	
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:			ITH: IF YOU AI	IF YOU ARE LOCATED IN:				
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION				ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:				
WASHINGTON, DC 20555-000				IALS LICENSING BRANCH	•	NIII		
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:			2443 V	JCLEAR REGULATORY COMM ARRENVILLE ROAD, SUITE 2 IL 60532-4352				
IF YOU ARE LOCATED IN:								
ALABAMA, CONNECTICUT, DELA				ARIZONA, ARKANSAS, CALIF				
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:			OREGON	A, MONTANA, NEBRASKA, NI PACIFIC TRUST TERRITORIE ING, SEND APPLICATIONS T	S, SOUTH DAKOTA, TE	YAS IITAH MAS		
						582.		
LICENSING ASSISTANCE TEA DIVISION OF NUCLEAR MATE	RIALS SAFETY		U.S. N	AR MATERIALS LICENSING E	BRANCH O S D D D		2	
U.S. NUCLEAR REGULATORY 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-				AN PLAZA DRIVE, SUITE 400 STON, TX 76011-4005	03121		$\sim \frac{1}{2}$	
KING OF FROSSIA, FA 19400			· · ·	7-31287-0	$\langle \rangle$		<u> </u>	
PERSONS LOCATED IN AGREEM MATERIAL IN STATES SUBJECT	ENT STATES SEND APPI	LICATIONS TO THE U.S. N	UCLEAR REGULAT		/	S AND USE LICEN		
		LATORY COMMISSION JO						
1. THIS IS AN APPLICATION FOR	(Check appropriate item)		2. NAME	HADD W. M	ERDM PF	code)	2	
			11	IGROM ENG	INEERING	SERVIC	ESIM	
B. AMENDMENT TO LICENSE NUMBER			- 10,	550UIRES	DRIVE)		
C. RENEWAL OF LICENSE NUMBER			4	HADD WI. IN 15 ROM ENG 15 SQUIRES 1557 CHES	TER, PA	19382		
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED				OF PERSON TO BE CONTACT	ED ABOUT THIS APPLIC	ATION		
TEMORACE IND SITE LAW HIM				FADD W. IM	BIZAM, P.E.	1		
I the united states where NRC				HONE NUMBER)	· · · ·		
MAINTAINS JURISDICTION.				484-321-1890				
			FORMATION TO B		· · · · · · · · · · · · · · · · · · ·	ATION GUIDE		
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMA 5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maiximum amount				6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.				
which will be possessed at any one time.								
 INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE. 				IG FOR INDIVIDUALS WORKI	NG IN OR FREQUENTIN	G RESTRICTED A	REAS.	
9. FACILITIES AND EQUIPMENT.			10. RADIA	10. RADIATION SAFETY PROGRAM.				
11. WASTE MANAGEMENT.				12. LICENSE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY				
13. CERTIFICATION. (Must be co. UPON THE APPLICANT.	mpleted by applicant) THE	APPLICANT UNDERSTAN	L		ENCLOSED		BINDING	
	FICIAL EXECUTING THIS	CERTIFICATION ON BEHA	ALF OF THE AP PLIC	ANT, NAMED IN ITEM 2, CERT	TIFY THAT THIS APPLIC	ATION IS PREPAR	RED IN	
THE APPLICANT AND ANY OF CONFORMITY WITH TITLE 10, CORRECT TO THE BEST OF 1								
WARNING: 18 U.S.C. SECTIO ANY DEPARTMENT OR AGEN					Y FALSE STATEMENT C	R REPRESENTAT	TION TO	
CERTIFYING OFFICER - TYPED/F			SIGNATUR	$= \binom{1}{1} $		DATE	1.7	
CHADO WANGIU	AND FILL YR	ESIDENT	NRC USE C	NIV	~~~	<u> </u>	104	
TYPE OF FEE FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS	<u> </u>			
		\$		_				
APPROVED BY DATE					j41	350		
NRC FORM 313 (10-2005)						RINTED ON RECY	CLED PAPER	



Ingram Engineering Services, Inc. Chadd W. Ingram, P.E., S.E.O. 1015 Squires Drive West Chester PA 19382

November 13, 2007 Licensing Assistance Team Division of Nuclear Materials Safety U.S. Nuclear Materials Commission, Region I 475 Allendale Road King of Prussia, PA 19406-1415

Items #5- #11 from NRC Form 313:

#5:

- The Troxler Nuclear Density Gauge (portable gage) possess less than 3.7 x 10⁶ gigabecquerels (100,000 curies) of cesium-137 or 3.7 x 10³ gigabecquerels (100 curies) of americium-241 or californium-252.
- The Troxler portable gauge is registered as an approved sealed source or devise by NRC or an Agreement State.
- The activity per source will not exceed the maximum activity listed on the approved certificate of registration issued by NRC or by an Agreement State.

#6:

• No response is required.

#7:

- The Troxler portable gauge shall be used "to measure physical properties of materials" such as soil (density and moisture) and Bituminous material germane to geotechnical engineering practices only.
- The Proposed RSO (Radiation Safety Officer) is Gary D. Ingram. Gary's address is 507 Laurel Drive West Chester, PA 19380. Gary's telephone number is 484-995-5680.
- "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, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997"; and Before being named as the *RSO*, future *RSOs* 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, 'Longo Safety Program and Their Training and Experience Radiation Safety Officer' in NUREG-1556, Vol. 1,



Ingram Engineering Services, Inc. Chadd W. Ingram, P.E., S.E.O. 1015 Squires Drive West Chester PA 19382

'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997."

- "Before using licensed materials, authorized users will have successfully completed 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."
- #9: No response is required.
- #10: Radiation:
 - Ingram Engineering Services, Inc. shall review the content and implementation of their radiation protection programs annually to ensure 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*) (10 CFR 20.1101); and

Records of audits and other reviews of program content are maintained for 3 years.

• Ingram Engineering Services, Inc. shall do the following:

Notify NRC, in writing, within 60 days, when principal activities have not been conducted for a period of 24 months or a decision is made to permanently cease licensed activities.

Certify the disposition of licensed materials by submission of *NRC Form 314*, "Certificate of Disposition of Materials," available from NRC upon request.

Before a license is terminated, send the records important to decommissioning (as required by 10 CFR 30.35(g)) to the appropriate NRC regional office. If licensed activities are transferred or assigned in accordance with 10 CFR 30.34(b), transfer records important to decommissioning to the new licensee.

- "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, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997, in the event of an incident."
- "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."



Ingram Engineering Services, Inc. Chadd W. Ingram, P.E., S.E.O. 1015 Squires Drive West Chester PA 19382

- 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.
- We understand inspections shall be made germane to storage. Storage shall be made outside of occupied areas.
- 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 and at each job site.
- 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 supplier's instructions.
- We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.
- WE understand transportation of the portable gauge shall be made by the NRC or representative thereof.
- 11. Gauge Transfer: We do not need to provide a response to this item but shall comport to NRC requirements.

Thank you for your consideration to the above. Please contact me immediately should additional information be required to obtain approval/license to purchase a portable nuclear density gauge and commence training course application to establish a RSO.

Best Regards, Chadd W. Ingram,

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

 $\frac{11/13/2007}{1000}$, and to inform you that the initial processing which includes an administrative review has been performed.

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** <u>141356</u>. When calling to inquire about this action, please refer to this control number. You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI) (6-96) Sincerely, Licensing Assistance Team Leader

	: (FOR LFMS USE)
	: INFORMATION FROM LTS
BETWEEN:	:
	:
License Fee Management Branch, ARM	: Program Code: 03121
and	: Status Code: 3
Regional Licensing Sections	: Fee Category:
	: Exp. Date: 0
	: Fee Comments:
	: Decom Fin Assur Reqd: _

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LICENSE FEE TRANSMITTAL

 \mathcal{I} A. REGION

- 1. APPLICATION ATTACHED
- Applicant/Licensee:INGRAM ENGINEERING SERVICES, INC.Received Date:20071126Docket No:3037582Control No.:141350License No.:37.3/L27-0/Action Type:New Licensee
- 2. FEE ATTACHED Amount: Check No.:
- 3. COMMENTS

Signed M. a. Parkine Date 1/26/2007

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

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

License _____

3. OTHER _____

Signed ______
Date _____