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	ABANDONED SHEET	
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TO: License	Fee Management Branch	
FROM:Region	n I and port	
SUBJECT: ABANDONE		
Control Number:	123023	
Applicant:	GEI Enterprises, Inc.	
Abandoned: Date	12/11/96	
Abandor Reason for disting	No response by licensee to Oct. 20, 1996 thre	at to
	abandon letter for new license application (0	30-34113).
	After review.	
	2	
	M.a. Perkins 1. Signature	2/12/196 Date
Attachment: Official Record Co Mondane Action Abandoned FOR LFMB USE ONLY ABA		
Final Review of		
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OCT 20 1996

William Gallagher, Jr. President GEI Enterprises, Inc. 462 Glennie Circle Gulph Mills Industrial Park King of Prussia, PA 19406-2626

SUBJECT: APPLICATION FOR MATERIAL LICENSE DATED MARCH 14, 1996, AND OUR REQUEST FOR INFORMATION DATED MAPCH 28, 1996

Dear Mr. Gallagher:

This concerns the subject application for a material license and our letter in which we notified you that the application was deficient and that certain additional information was required.

You are hereby notified that unless within thirty (30) days from the date of this notice we receive the additional information requested, we will consider that you have abandoned your application. This action is without prejudice to the resubmission of an application.

Sincerely, ORIGINAL SIGNED BY: SHERI A, ARREDONDO

Sheri A. Arredondo Division of Nuclear Materials Safety

Docket No. 030-34113 Control No. 123023

Enclosure: Letter dated March 28, 1996

DOCUMENT NAME:

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

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MAR 28 1996

Docket No. 030-34113 Control No. 123023

William Gallagher, Jr. President GEI Enterprises, Inc. 462 Glennie Circle Gulph Mills Industrial Park King of Prussia, PA 19406-2626

Dear Mr. Gallagher:

This is in reference to your application dated March 14, 1996. In order to continue our review, we need the following additional information:

- You specified Todd Rittenhouse as your Radiation Safety Officer. Please submit his qualifications. Refer to Item 7 of Draft Regulatory Guide DG-0008 (enclosed) for the necessary qualifications.
- You indicated that all personnel would be monitored for radiation with a personnel monitoring device. Please provide the information listed in 2.a., 2.b., and 2.c. under Item 10.1 of DG-0008 on personnel monitoring programs.
- Please provide the information requested under Item 10.2 of DG-0008 on radiation detection instruments.
- 4. Page 3 of your Radiation Safety Plan states that you will perform leak tests annually. The leak test is required to be performed at 6-month intervals or an interval approved by the NRC. Please confirm that you will perform leak tests at 6-month intervals, or provide documentation that an annually frequency has been approved by the NRC. Refer to Item 10.3 of DG-0008.
- Please provide the information requested under Item 10.4 of DG-0008 on inventories.
- 6. Page 4 of your Radiation Safety Plan states that you will perform certain operating procedures for access hole sites greater than 12 feet in depth. Please confirm that you will follow these certain operating procedures for access hole sites greater than 3 feet in depth, as indicated under Item 10.7 of DG-0008.
- 7. Please revise your Radiation Safety Plan to incorporate the above items and corrections and submit the updated version. Also, be sure that the Radiation Safety Plan that you submit, as well as the copies that you

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ML 10

William Gallagher, Jr.

provide to the gauge users, is legible. The previous copy submitted with your application was difficult to read.

We will continue our review upon receipt of this information. Please reply in <u>duplicate</u> to my attention at the Region I office and refer to Mail Control No. 123023. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5342.

-2-

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

ORIGINAL SIGNED BY: SHERI A. ARREDONDO

Sheri A. Arredondo Health Physicist Division of Nuclear Materials Safety

Docket No. 030-34113 Control No. 123023

Enclosures: 1. 10 CFR Parts 19, 20, 30, and 170 2. Draft Regulatory Guides DG-0008

DOCUMENT NAME: P:\GEI

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

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462 GLENNIE CIRCLE GULPH MILLS INDUSTRIAL PARK KING OF PRUSSIA, PA 19406-2628 (610)-277-1983 FAX (610)-277-7641 PENNDOT Prequalification #G2D4 PAVING MILLING EXCAVATING SNOW PLOWING ROAD CONSTRUCTION

To whom it may concern:

Please find attached our application. Please expedite as quickly as possible as we are in a bit of a rush. Training is scheduled for April 9, 1996 after which we will send you our certificates.

Thank you,

glas / ho

William Gallagher, Ji

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452 GLENNIE CIRCLE GULPH MILLS INDUSTRIAL PARK KING OF PRUSSIA, PA 19406-2628 (610)-277-1983 FAX (610)-277-7641 PENNDOT Pregualification #G204 PAVING MILLING EXCAVATING SNOW PLOWING ROAD CONSTRUCTION

ATTACHMENT TO APPLICATION PGI

A) ELEMENT + MASS NUMBER I) CESIUM 137

b) FORM

()MAXIMUM AMT

1) CESIUM 137 SEALED SOURCE (CPN MODEL CPN-131) 2) AMERICIUM 241/BE SEALED SOURCE (CPN MODEL CPN-131)

SEALED SOURCE NO SINGLE SOURCE TO (CPN MODEL CPN-131) EXCEED TO MITTICURIES SEALED SOURCE NO SINGLE SOURCE TO (CPN MODEL CPN-131) EXCEED 50 MITTICURIES

FOR USE IN CON MODEL MC SERIES MOISTURE/DENSITY GAUGES TO MEASURE PROPERTIES OF CONSTRUCTION AND OTHER MATERIALS.

ITEM 7 TODO RITTENHOUSE

462 GLENNIE CIRCLE GULPH MILLS INDUSTRIAL PARK KING OF PRUSSIA, PA 19406-2628 (610)-277-1983 FAX (610)-277-7641 PENNDOT Prequalification #G204 PAVING MILLING EXCAVATING SNOW PLOWING ROAD CONSTRUCTION

ATTACHMENT TO APPLICATION PG 2 THE RSO SHAILRETAIN FOR INSPECTION CERTIFICATES OF COMPLETION FROM A MANUFACTURER'S AUTHOR SO TRAINING CLASS

TTEM 9 SEE ATTACHED PERMANENT STORAGE LOCATION, RADIATION SAFETY PLAN.

ITEM 10 SEE ATTACHED RADIATION SAFETY PLAN

TTEMII THE GAUGE (S) WILL ONLY BE RETURNED TO THE MANU-FACTURER OR TRANSFERRED TO AN AUTHORIZED LICENSEE

462 GLENNIE CIRCLE GULPH MILLS INDUSTRIAL PARK KING OF PRUSSIA, PA 19406-2628 (610)-277-1983 FAX (610)-277-7641 PENNDOT Prequalification #G204 PAVING MILLING EXCAVATING SNOW PLOWING ROAD CONSTRUCTION



RADIATION SAFETY PLAN

General

This Radiation Safety Plan covers the procedures for the safe and proper use and possession of radioactive material as contained in portable moisture/density gauges used to measure soil and other materials. When handled in accordance with this plan, the radioactive materials present no hazard to the licensee's employees, customers, or the general public.

Redistion Safety Officer

All use and possession is under the direction and supervision of the Radiation Safety Officer (RSO). The RSO is a single point of accountability and responsibility between the Regulatory Agency and the Licensee. The RSO is responsible for all aspects of the Radiation Safety Plan, including the following specific duties:

- To ensure that all terms and conditions of the license are being complied with and that the information contained is up-to-date and accurate.
- To ensure that the equipment is leak tested at the required intervals.
- 3. To ensure that the equipment is only used by operators authorized by the RSO, and that they use the equipment in accordance with all relevant regulations. This will include wearing of a suitable personnel monitoring device.
- To maintain records as required by the license and the regulations.
- 5. To ensure that all equipment is properly secured against unauthorized removal at all times.
- To serve as a point of contact and give assistance in case of an emergency such as equipment damage in the field, theft, or fire and to notify the proper authorities in case of an emergency.
- To ensure that all operators have read and understand this Radiation Safety Plan.
- 8. To arrange appropriate training for all operators.
- To provide answell refresher training to all gauge operators on operating and emergency procedures, transportation requirements, changes in applicable regulations or license conditions, and correction of deficiencies identified by the RSO.
- To post all required signs and notices at gauge storage location.

Post document RH-2364, Notice to Employees. Label storage cabinet with "Caution, Radioactive Material" and international symbol. Post notice of where a copy of the organization's license, safety plan, and copy of regulations are located.

Operation

- The operator will exercise suitable control over the gauge at all times. At no time is it to be left unattended or in the possession of an unauthorized person.
- When not being used for field measurements, the gauge will be locked and inturned to its storage/transportation case.
- When testing is complete, the gauge will be returned to its permanent place of st rage as soon as possible.
- 4. When using the equipment, the operator will wear the personnel monitoring device assigned. When the operator is not using the equipment, the monitoring device will be kept in a radiation free, low heat area.
- 5. At all times operators will observe ALARA principles to minimize any dose receired:

As Low As Reasonably Achievable

6. While the equipment is in the operators possession, the operator will have a:

Copy of the License Copy of this Radiation Safety Plan with Emergency Procedures and Telephone Call - Down List Copy of Letter/Card of Authorization from RSO Copy of the Gauge Operating Manual and Copy of the Current Leak Test Certificate.

Transportation

- During transportation, the equipment shall be fully secured in the transporting vehicle and located away from personnel. When transported in a closed vehicle (car or van), the case will be locked and the vehicle will be locked when the operator is not with the vehicle. When transported in an open bed vehicle (pick-up truck), the case will be locked and the case securely fastened and locked to the truck bed when the operator is not with vehicle.
- The equipment will only be transported in an approved DOT shipping container with all the required labels and markings.
- 3. During transportation the operator will have Shipping Papers on the seat adjacent to the driver or in a holder which is mounted to the inside of the door on the driver's side of the vehicle describing the radioactive material with the proper nomenclature. A sample Shipping Paper in attached.
- 4. When an open bed vehicle is parked overnight at a hotel or motel, the operator shall cover the case in the secured transport position or lock the case in the cab of the vehicle.
- 5. When shipping by common carrier, the package shall be in compliance with 49 CFR 170-175.

Maintenance

- Periodic maintenance will include cleaning of the gauge. The operator will have received proper instruction on how to clean the gauge and will wear his assigned monitoring device.
- No maintenance will be performed in which the radioactive source is removed from the gaule. The gauge will be returned to the manufacturer or an approved service center for this type of service.
- 3. A leak test will be performed annually **Construction approved** leak test kit provided by CPN, and in accordance with the gauge manufacturer's instructions. The operator will have received proper instruction on how to leak test the gauge and will wear his assigned monitoring device.
- The shipping case will be periodically checked for integrity, and to verify that all labels are
 present and readable.

Records

Records will consist of:

Radioactive Material License Personnel Dosimetry Reports Leak Tests Certificates Training Certification Gauge Inventory Check-out/Check-in Log

A checl-out log will be attached to storage cabinet. Information on log will include serial number of gauge, operator checking out gauge, date checked out, des mation, estimated return date, and actual date of return.

Training

All operators will complete a manufacturer's Operator's Training Course. Operators will be give special training as required for their individual work assignments.

EMERGENCY PROCEDURES

Coil Down List

Ses Appendix for Emergency Telephone Numbers

Physical Damaga

- If any moving equipment is involved, stop its movement, until the extent of contamination, if any, can be established.
- Cordon off the area around the incident. An area with a radius of fifteen (15, 304 will be sufficient.
- 3. Visually inspect to gauge to determine the extent of the damage to the source(s), source housing(s), and stielding. If the source(s), source housing(s) and shielding are intact if functional, the gauge can be removed from the site, returned to the shipping container, if shipped to the main facturer for repair or replacement.
- 4. If the integrity or 1 ation of the source(s) cannot be positively identified, at the earliest positively identified, at the earliest positive, when the situation is under control, contact the RSO. Describe the conditions and fill v the instructions of the RSO. The RSO will immediately notify the appropriate regulatory approximately.
- The RSO shall follow the instructions of the regulatory agency.
- If the source rod bent and extended, or the shielding is damaged such that dose rates a likely to exceed these of an undamaged gauge, call the manufacturer for instructions before shipment.

Louged or Lost Down-Hol 'robe

- 1. Operating proced to prevent a probe from becoming stuck or lost in a bore-hole:
 - a. All access oles for probes shall be lined with a continuous casing from the low depth to minimum of six inches above the surface.
 - b. The cable connectors to both the probe and surface electronics shall be checked doing to assure doing are tight.
 - c. For all access hole sites greater than 12 feet in depth, a dummy probe, whose stiffne , outside depleter and effective length are equal to that of the active probe, will a lowered to the bottom of the hole before deploying the radioactive source(s).
- Emergency proce res if a probe becomes stuck in a bore-hole:

If a sealed source becomes lodged in a bore-hole and it becomes apparent that effort a recover the sealed bource will not be successful, the licensee shall:

- a. Immediat secure the area around the hole.
- b. Notify the licensing authority immediately by telephone of the circumstances it resulted in the inability to retrieve the source.
- Follow the instructions of the licensing authority.

Theft or Loss

 Immediately notify the RSO. The RSO will immediately notify the appropriate regulatory agency and the police.

Fire

- 1. Call the Fire Department.
- Take action appropriate with a fire to protect personnel.
- 3. Notify the RSO.
- 4. Stand by to advise the fire fighters as to the nature, locations, and potential hazards of the radioactive materials. Supply them with an information packet consisting of the facility layout and a data sheet of the equipment including a photograph. Be sure to include any other important information. e.g. explosives, guard dogs, etc.

Melting Points:

*F	°C
2550	1400
2000	1090
1005	540
620	327
257	125
	2550 2000 1005 620

Temperatures in an industrial fire will normally range from 500°F at floor level to a high at the ceiling of 1400 to 1800°F. The polyethylene and lead would melt in most fires, the aluminum only in a severe fire. The stainless steel capsule would not reach its melting point.

Disposal/Decommissioning

- 1. Disposal will only be performed by transferring to a properly licensed organization.
- The regulatory agency will be notified 30 or more days in advance of any relocation of the storage area. Formal decommissioning will not be required, provided leak tests are current.

RADIATION SAFETY PLAN

This radiation safety plan will be implemented at all times. A copy of these procedures shall be maintained in the licensee's rode active materials license file, and another copy in the shipping case of the nuclear gauge at all times.

SIGNED Willie Hellyer por DATE_ 3-14-96

APPE	ENDIX
Telephon	ne Numbers
RSO: Work: 610-277-1983 Home: 610-539-958 Rodiologic Health: 610-331-5000 24 hr.: 301-816-5100 (conffer)	Police: Business: 610-265-3232 Emergency: Fire: Business: 610-265-5533 Emergency:
CPN: [51]	0) 228-9770

STORAGE LOCATION

GEI ENTERPRISES, INC. 462 GLENNIE CIRCLE GULFH MILLS INDUSTRIAL PARK KING OF PRUSSIA, PA 19406-2028 610-277-1983

SHOP PARNING - 14 OFFICE RHING GAUGE STORAGE TO ROAD LOCATION

Metal or wood cabinet locked and posted. Storage cabinet 10 ft. from any people work stations. Cabinet includes circuitry for charging. Maximum storage, <u>G</u> gauges.

Notice to Employees, Utilization Log. and location of License and Regulations posted.

The storage area is not in a residential zone.

7

123023



GES ENTERPRISES, INC. 402 GLENNIE CIRCLE OURPH MILLS ENOLISITIEAL PARA NORE OF PRIJORA, PA 10005-000 PHONE 000-077-000 FAX 610-277-7641

SHIPPING PAPER

one case, R.O., RADIOACTIVE MATERIAL, SPECIAL FORM, N.O.S., 7, UN2974 Cs-137, 10 mCi Am-241/Be, 50 mCi RADIOACTIVE YELLOW II Label Transport Index 0.4 USA DOT 7A, TYPE A PACKAGE

24 hour emergency contact phone #: 610-539-9580

(Radiation Safety Officer)

- 177.817(e) Shipping paper accessibility accident or inspection. A driver of a motor vehicle containing hazardous material shall insure that the shipping paper required by this section is readily available to, and recognizable by, authorities in the event of an accident or an inspection. Specifically, the driver and the carrier shall:
 - (1) Clearly distinguish the shipping paper, if it is carried with other shipping papers or papers of any kind, by either distinctively tabbing it or having it appear first; and
 - (2) Store the shipping paper as follows:
 - (i) When the driver is at the vehicle controls, the shipping paper shall be: (A) within his immediate reach while he is restrained by the lab belt; and (B) either readily visible to a person entering the driver's compartment or in a holder which is mounted to the inside of the door on the driver's side of the vehicle.
 - (ii) When the driver is not at the vehicle controls, the shipping paper shall be: (A) in a holder which is mounted to the inside of the door on the driver's side of the vehicle, or (B) on the driver's seat in the vehicle.

Pev. 07/06/94 JHUNSODOCE productry .pin

OFFICIAL RECORD COPY ML 10

123023

	ORM 577			U.S.	LEAR REGULA	TORY COMMISSION			
LICENSE FEE REQUIREMENTS					LICENSE FEE AND DEBT COLLECTION BRANCH DIVISION OF ACCOUNTING AND FINANCE OFFICE OF THE CONTROLLER U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001				
							TYPE OF ACTION		
							NEW LICENSE		
							RENEWAL OF LICENSE		
	GEI ENTER	RPRISES	INC	(Annual Control of Cont		
	ATTN: WI			R, JR.			AMENDMENT TO LICENSE		
		RESIDEN					REQUESTED DATE		
	462 GLEN			1			3-14-96		
	GULPH MI				1		LICENSE NUMBER		
	10110 01 1	11000017	, 17, 1940	0-2020			NEW		
							CONTROL NUMBER		
							123023		
Vaura	navioni for a l		PLICATION				II. FEE NOT REQUIRED		
catego enclos	equest for a l bry(ies) noted and Federal R suance of the	l below in a legister no	accordance totice. Payme	with Section ent of the fee	170.31 of the is required prior to	Enclosed is Ch request. The f	heck No. which accompanied your tee is not required because:		
FEE	APPLIC	ATION	RENE	WAL	AMENDMENT	We red	ceived your Check in payment of		
3P	\$	530.00		s	/ menegicier	the fee			
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	\$		\$	\$		The La	Censing staff has informed us that your request is to be lered as a continuation of your request dated		
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	We received	your Che	ck			OTHE	R		
	No.		Paym		he amount of ditional fee noted				
	above is requ	uired.	r uyin				ENERT OUPOU TO THE ADDRESS HOTED AT THE		
Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).					tion fee(s) noted	TOP OF THIS FORM	EMENT CHECK TO THE ADDRESS LISTED AT THE		
	Vourlissee	every a	ting in the se	control up up	application for	IV. LICEN	SE ISSUED WITHOUT THE REQUIRED FEE		
Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).					ne application fee(s)	No.	No. , issued on was issued without the required fee being		
MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM			WE DO NOT	form The scope of y request is subj	e fee required is noted in Section I of this your licensed program was increased. Therefore, your ject to the application fee(s) noted in Section 1 of this section 170.31 and Footnote 1(d)(2).				
THE DATE LISTED BELOW. WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.				N AND WILL	VOID THIS	Because of the without remitta form.	e urgency of your request, the license was issued ance of the prescribed fee noted in Section 1 of this		
SIGNA	TURE LICEN	NSE FEE AI	NALYST	LFDCB		Distribution:	PENDING FILE DATE		
BRENDA BROWN 4/3/96					the second s	MAF Correspondence LFDCB Chief Invoice File w/encl	LFDCB Analyst LFDCB R/F (2) DAF R/F 4-3-96		

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This form was electronically produced by Elite Federal Forms, Inc.

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			: (For	LFMS USE)
BET	WEEN:		INFORMAT	ION FROM LTS
LIC	ENSE FEE MANAGEMENT B	RANCH, ARM	: PROGRAM CODE:	03121
	AND		: STATUS CODE: 3	
REG	IONAL LICENSING SECTI	ONS	: FEE CATEGORY: : EXP. DATE: 0	*****************
			: FEE COMMENTS:	******
			: DECOM FIN ASSU	
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	AND FEE INANSMITTAL		1	2/12/84
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1.	APPLICATION ATTACHED		70	g KI - Jailue
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	DOCKET NO:	3034113	/	JNI - Jonana
	CONTROL NO.: LICENSE NO.:	123023		respons to
		NEW LICENSEE	R	I threat to
2.	FEE ATTACHED		A	bandon letter.
	AMOUNT:		p.	turn to RI.
	CHECK NO .:	-	10	
3.	COMMENTS			BB
		SIGNED	M. a. Perhia 3/22/26	****
		DATE		
8.	LICENSE FEE MANAGEMEN	T BRANCH (CHEC	WHEN MILESTONE 03	IS ENTERED //)
1.	FEE CATEGORY AND AMO	UNT: 3P		********
2.	CORRECT FEE PAID. A AMENOMENT	PPLICATION MAY	BE PROCESSED FOR:	
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