

OFFICIAL RECORD COPY MATERIALS LICENSE

Amendment No. 2

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with letters dated October 16, 1996 and November 4, 1996	
1. Professional Services Industries, Inc. (PSI) (Formerly Geo Design Consultants, Inc.)		3. License Number	45-25287-01
2. 204 Grayson Road, Suite B Virginia Beach, Virginia 23462		is amended in its entirety to read as follows:	
		4. Expiration Date	March 31, 2004 (Extended)
		5. Docket or Reference No.	030-33463
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Cesium 137	A. Sealed source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	A. No single source to exceed 407 MBq (11 millicuries)	
B. Americium 241	B. Sealed neutron source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	B. No single source to exceed 11.1 GBq (300 millicuries)	
9. Authorized Use:			
A. and B. Sealed source(s) contained in compatible portable gauging devices (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation) for measuring properties of materials.			

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 204 Grayson Road, Virginia Beach, Virginia; 11835 Canon Boulevard, Suite C-108, Newport News, Virginia and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. The Corporate Radiation Safety Officer for this license is Adam C. Ackermann and the site Radiation Safety Officers are William E. Burge, Camille A. Kattan, P.E. and Brian K. Burdette, B.S.
12. Sealed sources containing licensed material shall not be opened or removed from the gauging device by the licensee.

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PDR ADDCK 03033463
C PDR

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

45-25287-01

Docket or Reference Number

030-33463

Amendment No. 2

(continued)

CONDITIONS

13. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have been trained in the licensee's standard operating and emergency procedures and have satisfactorily completed at least one of the following:
- A. The device manufacturer's training course for safe use and handling of portable gauging devices containing licensed material, or
 - B. A portable gauge training program conducted in accordance with the provisions of an NRC or Agreement State license.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if they contain not more than 100 microcuries of beta and/or gamma emitting material or are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U. S. Nuclear Regulatory Commission, Region II, Division of Nuclear Materials Safety, Nuclear Material Licensing/Inspection Branch, 101 Marietta Street, Suite 2900, Atlanta, Georgia 30323-0199. The report shall specify the source involved, the test results, and corrective action taken.
- E. The licensee is authorized to collect leak test samples for analysis by Troxler Electronics Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
17. The licensee shall maintain records of information important to safe and effective decommissioning at the address stated in Item 2. above, pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 45-25287-01

Docket or Reference Number 80-33463

Amendment No. 2

(continued)

CONDITIONS

18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum specified 10 CFR 30.35(d) for establishing decommissioning financial assurance.
19. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.
20. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated February 23, 1994
- B. Letter (with attachments) dated October 12, 1995 [add location and change RSOs]
- C. NRC letter dated March 1, 1996 [Extends expiration date in accordance with 10 CFR 30.36]
- D. Letter dated October 16, 1996 [Request to change ownership and licensee name from Geo Design Consultants to Professional Services Industries, Inc.]
- E. Letter dated November 4, 1996 from Camile A. Katten, P.E. of Geo Design Consultants confirming change of ownership.
- F. Letter dated November 4, 1996 from Adam C. Ackermann of PSI [Provides training and experience for Mr. Ackermann]
- G. Letter dated November 4, 1996 from Adam C. Ackermann [Provides response to change of ownership questions related to sale of Geo Design Consultants to PSI]
- H. Letter dated January 3, 1997 from Adam C. Ackermann [Provides additional licensee commitments for change of ownership/changes site RSO]

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date

JAN 7 1997

By

Earl G. Wright
Region II, Division of Nuclear Materials Safety
101 Marietta Street, Suite 2900
Atlanta, GA 30323

N:\MLICENSE\45-25287.a02



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W., SUITE 2900
ATLANTA, GEORGIA 30323-0199

JAN 8 1997

INFORMATION FOR NRC MATERIAL LICENSEES

Please find enclosed: _____ Your NRC material license
_____ Amendment to your NRC material license
_____ Amendment renewing your NRC material license
_____ Amendment terminating your NRC material license
_____ Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 331-4673) so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day in the month and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
 - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
 - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated
 - c. you have submitted & certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering > 30 uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
 - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
 - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
 - a. when you decide to terminate all activities involving materials authorized under the license; or
 - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.

5. Request and obtain a license amendment before you:

- a. receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this part.
- b. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as an authorized user under a license for medical use of byproduct material.
- c. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as a Radiation Safety Officer, Teletherapy Physicist, or Nuclear Pharmacist, under a license for medical use of byproduct material.
- d. order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license;
- e. add or change the areas of use or address (or addresses) of use identified in the license application or on the license; or
- f. change ownership of your organization.

6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42, as applicable. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a Notice of Violation, or imposition of a Civil Penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, (7/95). Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation.

Enclosures:

1. NRC License

2. Category Marked Below for:

- ☐ New licenses: NUREG-1600 (7/95); 19; 20; 30; 40 or 70, as appropriate; 71; 170; NRC Form 3. Agreement Statement; and NRC Form 313.
- ☐ New radiography licenses: Parts 34; 150.
- ☐ New medical and teletherapy licenses: Part 35.
- ☐ Amendments and renewals: NRC Form 313.

Received
1/6/97
gkw

January 3, 1997

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Additional Information

Dear Mr. Wright:

Professional Service Industries, Inc. (PSI) is in receipt of your facsimile transmission dated 12/04/96, containing a copy of the 02/23/94 RAM license application, the 10/12/95 amendment request, the 11/15/95 facsimile transmission to Ms. Diane Haim, the 11/15/95 facsimile transmission to Mr. Bill Burge and the 11/16/95 letter to Mr. Bill Burge. After review, PSI agrees to abide by the terms and commitments made in the referenced letters, with the following clarifications:

1. PSI commits to providing personnel monitoring devices from a NVLAP accredited vendor. The documents referenced above specify quarterly exchange TLD dosimetry while PSI currently uses monthly exchange film badges. PSI does not wish to specify TLD or film badge in the event that a vendor or service change is necessary.
2. At least one operable, calibrated survey instrument will be maintained at each permanent Branch office for use by the Radiation Safety Officer (RSO) or Assistant Radiation Safety Officer (ARSO). The documents referenced above appeared to be unclear as to the location and use of survey instruments.
3. Leak test samples may be obtained by the RSO, ARSO or a certified moisture/density gauge operator following the instructions provided with the leak test "kit".
4. PSI operating and emergency procedures do not specify "step by step" procedures for the normal use of moisture/density gauges as referenced in the above documents. PSI procedures refer the operator to the manufacturer's manual for such instruction.

control # 257264
Information To Build On

USNRC RAM License No. 45-25287-01
Earl Wright - USNRC Region II
January 3, 1997
Page Two

5. PSI assumes that Condition 12.B. of the license authorizes the use of PSI's "in-house" training program for moisture/density gauge operators (which is approved on numerous USNRC and Agreement State licenses).
6. Mr. Brian K. Burdette replaces Mr. Donald R. Stites as the Radiation Safety Officer (RSO) for the Newport News facility. Mr. Burdette obtained a B.S. degree in Geology from Old Dominion University (1995). Mr. Burdette was certified as a moisture/density gauge operator by CPN Boart Longyear in May, 1996 and as a RSO in accordance with PSI's Moisture/Density Gauge Radiation Safety Officer (RSO)/Instructor training program in December, 1996. Please amend Condition 11. of the license to reflect this change. (Copies of Mr. Burdette's current résumé and training certificates are attached.)

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

cc: W. Burge - Virginia Beach, VA
B. Burdette - Newport News, VA
C. Kattan - Virginia Beach, Va
File

BRIAN K. BURDETTE

1176 Willow Green Drive
Newport News, VA 23602

757-591-0420
BKBurdette@AOL.COM

QUALIFICATIONS SUMMARY

- Strong technical support skills at an engineering level of comprehension.
 - Performed dimensional studies geared to product quality improvement.
 - Performed regular radiation safety inspections for x-ray unit and radioactive source equipment.
 - Assisted manufacturing areas in problem solving.
 - Prepared and conducted mechanical testing on casting test bar samples including stress rupture, creep, tensile and hardness tests.
 - Prepared and interpreted metallographic samples in accordance with customer specifications.
- Experienced in a variety of laboratory applications including the development of new procedures.
- Competent in several areas of microcomputer applications including WordPerfect 6.1, Lotus, Excel, Statgraphics, and Freelance.
- Fifteen years experience working in the technical and engineering disciplines.
- Experience as field technician and lab manager for PSI, graduate teaching and research assistant in geology.

EDUCATION

Bachelor of Science in Geology, Old Dominion University, Norfolk, Virginia, 1995.

- Magna cum laude with GPA of 3.58 with minor in Oceanography
- Courses included calculus, structural geology, geophysics, geochemistry, hydrology, organic chemistry, aquatic pollution, and computer literacy in addition to the geological science curriculum.
- Honors: Member of Golden Key National Honor Society and Sigma Gamma Epsilon National Honor Fraternity for the Sciences

RELATED EXPERIENCE

Howmet Corporation (Hampton Casting), Hampton, Virginia

Engineering Technician, 1989 - 1993

Supported Product Engineering by:

- Performing dimensional studies geared to product quality improvement.
- Reviewing customer blueprints for design changes.
- Designing and implementing new manufacturing equipment.
- Assisting manufacturing areas in problem solving.

Supported Process Engineering by:

- Improving manufacturing procedures
- Setting up and incorporating process capability studies for improving part quality and reducing costs.
- Assisting manufacturing in areas of part quality.

Accomplishments

- Reduced wax assembly time by 8 hours per piece through improved gating design and tooling.
- Cited changes needed on customer blueprints to improve part producibility and lower manufacturing costs.
- Designed and implemented fixtures for use in X-ray department to improve consistency and reduce setup time.

Materials Laboratory, 1982 - 1989

- Performed a variety of mechanical and chemical tests on incoming raw materials.
- Prepared and conducted mechanical testing on casting test bar samples including stress rupture, creep, tensile and hardness tests.
- Prepared and interpreted metallographic samples in accordance with customer specifications.

(Continued on reverse side.)

BRIAN K. BURDETTE

Page 2

- Monitored and implemented waste water treatment controls using a variety of equipment including a Perkin/Elmer Atomic Absorption unit.

Accomplishments:

- Developed a procedure for determining the water content of FPI solutions which saved 350 man-hours annually at the local plant and which was later adopted corporate-wide.

*X-Ray Department, 1980 - 1982**Metal Control Department, 1979 - 1980***ADDITIONAL EXPERIENCE****Field Technician, PSI, May 1996 to present**

- Assist staff geologist in the field performing hand augers for soil identification and evaluation.
- Perform field density inspections for commercial construction sites.
- Perform field testing for commercial concrete placement pours.
- Assist soil's lab personnel with the preparation and testing of collected samples.

Research Assistant, Fall 1995

- Receive and log-in sediment samples for analysis, which are wet sieved into different size fractions.
- Magnetically separate the grains using a Franz magnetic separator and mount in Epofix plugs.
- Optically identify grains on a microphotograph for analysis on a S.E.M.

Geology Assistant, Summer 1995

- Assisted master's level student with geophysical resistivity in data collection from the Maryland line to Cape Charles for study entitled "Fresh/Salt Water Interface Under the Delmarva Peninsula."

Teaching Assistant, Geology Field Camp, Cañon City, Colorado, Summer, 1995

- Served as a teaching assistant for the University of Georgia geological field camp in which geologic mapping, paleogeographic reconstruction and intensive field studies were conducted; program incorporated application of geologic concepts and extensive use of problem-solving skills.
- Supervised and evaluated students' accuracy in incorporating geologic concepts and problem-solving skills.

Research Assistant, Spring 1995

- Wrote procedures, performed tests, prepared draft report and analysis for one segment of an on-going study pertaining to the leaching of heavy metals in soils.

TECHNICAL TRAINING

- Level I Courses: X-Ray, Florescent Penetrant Inspection, Eddy Current, Ultrasonic Testing
- Level II Courses: Eddy Current Certification; Class III: Virginia Wastewater Operator's License
- Wastewater Works Operator Class III
- Other: Statistical Process Control and Statistical Problem Solving, Integrated Process Management, Interactive Management, Titanium and its Alloy

OTHER INTERESTS

- Conservation of resources and animals
- Sports: bass fishing at trophy level, golf, white water rafting
- History
- Gemstone cutting and fossil and mineral specimen collecting

REFERENCES FURNISHED UPON REQUEST

Nº 27364

Certificate Of Completion

This is to certify that BRIAN K. BURDETTE has completed the
basic CPN® training course on Radiation Safety and Use of Nuclear Gauges,
held this 22nd day of May 19 96 in the
City of Hampton State of VA by Boart Longyear Company.

Boart Longyear Company
2830 Howe Road
Martinez, California 94553 USA
Phone: (510) 228-9770
Fax: (510) 228-3183



**BOART
LONGYEAR**

James Steven Cook

INSTRUCTOR

Eddie H. Hall

RADIATION SAFETY OFFICER
EDDIE HALL

OFFICIAL RECORD COPY

November 16, 1995

Geo Design Consultants, Inc.
ATTN: Mr. William Burge,
Radiation Safety Officer
204 Grayson Road, Suite B
Virginia Beach, Virginia 23462

Gentlemen:

SUBJECT: TRANSMITTAL AND EXPLANATION OF A MATERIALS LICENSE
(REFERENCE: 256661, 030-33463)

Enclosed is Amendment No. 1 to License No. 45-25287-01 issued in response to your letter dated October 12, 1995. This also confirms my telephone conversation with you on November 15, 1995.

As discussed, I have forwarded under separate cover a copy of 10 CFR 20 and a copy of NRC Standard Review Plan for Applications for Portable Gauging Devices. Please note the requirements of 10 CFR 20.1101 and 20.2102 (record keeping requirements). These sections deal with how you are to manage your radiation safety program to maintain exposures as low as reasonably achievable (ALARA) and require that you:

1. Implement a radiation protection program commensurate with your licensed activities.
2. Use to the extent practicable, procedures and engineering controls based on sound radiation protection principles to maintain occupational doses and doses to members of the public as low as reasonably achievable (ALARA).
3. At least annually conduct a review of your radiation safety program content and implementation. (Annual ALARA Audit)

In addition, 10 CFR 20.1801 and 20.1802 provide requirements for physical security and control of licensed material when in storage and when in use.

Each of the requirements set forth in this letter are also discussed in detail in the Standard Review Plan mailed under separate cover.

①

If you have questions about this letter or your license, please call me at 404/331-5617.

Sincerely,

ES

Earl G. Wright
Senior License Reviewer
Division of Nuclear Materials Safety

Enclosures:

1. Amendment No. 1

SEND TO PUBLIC DOCUMENT ROOM?		YES	NO
OFFICE	DNMS	DNMS	
SIGNATURE	<i>[Signature]</i>	<i>[Signature]</i>	
NAME	EWRIGHT	CHOSEY	
DATE	11/16/95	11/27/95	11/ /95 11/ /95 11/ /95 11/ /95
COPY?	YES NO	YES NO	YES NO YES NO YES NO YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\DRSS\NMLS\LICLTR\256661.EGW

2

DATE 11/15/95

TELEPHONE OR VERBAL CONVERSATION RECORD

TIME ☐ ☐

☐ INCOMING CALL

☒ OUTGOING CALL

☐ VISIT

PERSON CALLING <i>Earl Wright</i>	OFFICE/ADDRESS <i>NSNRC Region II</i>	PHONE NUMBER EXTENS
PERSON CALLED <i>Bill Burge</i>	OFFICE/ADDRESS <i>Geo Design Consultants</i>	PHONE NUMBER EXTENS <i>804-473-9533</i>

CONVERSATION

SUBJECT *Control # 256661 / Lic #45-25287-01*

SUMMARY

1. Verify Education of RSO designees *both college grads*
+ work exp. *Bill Burge*
Donald R. Stites, PE.
2. Verify that storage location meets requirements
of 10 CFR 20.1801 (dose limits to individual member of
public)
and 20.1801 - security of stored material
20.1802 - control of material not in storage.
[separate storage bldg.]
3. How many gauges? *5*
How many trained operators? *10*
4. Annual ALARA Audit performed? *20.1101*
Date last performed: *NOT KNOWN - NEW RSO*
Name of person conducting the Audit -
NEW RSO. will check + let us know.

Check Items

- | | |
|----------------------------------|---------------|
| <input type="checkbox"/> [Y] [N] | Decommissio |
| <input type="checkbox"/> [Y] [N] | Facility Reqn |
| <input type="checkbox"/> [Y] [N] | Qual. Mgmt. |
| <input type="checkbox"/> [Y] [N] | Contingency |
| <input type="checkbox"/> [Y] [N] | Decay-In-Sto |
| <input type="checkbox"/> [Y] [N] | SRP/RG |
| <input type="checkbox"/> [Y] [N] | |
| <input type="checkbox"/> [Y] [N] | |

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF ACTION TAKE!

INITIALS

DATE

INITIALS

DATE

FAX TRANSMITTAL

of pages 5

To: <i>Bill Burge</i>	From: <i>Earl Wright</i>
Dept. Agency: <i>Geo Design Consultants</i>	Phone #: <i>404-331-5617</i>
Fax #: <i>404-473-9534</i>	Fax #: <i>404-331-7437</i>
NSN 7540-01-317-7368	5099-101 GENERAL SERVICES ADMINISTRATION

11/15/95
Per our Telecon
this date.
EGW

ENCLOSURE

DUTIES AND RESPONSIBILITIES OF THE RADIATION SAFETY OFFICER

The Radiation Safety Officer (RSO) is responsible for implementing the radiation safety program and ensuring that radiation safety activities are performed in accordance with approved procedures and regulatory requirements in the daily use of gauges.

The RSO's duties and responsibilities include ensuring that:

1. licensed material possessed by the licensee is limited to the kinds (e.g., cesium-137 as a sealed source) and quantities of byproduct material listed on the license;
2. individuals using gauges are properly trained and receive refresher training at least annually to include, as a minimum, participation in a "dry run" of emergency procedures and review of operating and emergency procedures, Department of Transportation requirements, all changes in regulatory requirements, and deficiencies identified during annual audits;
3. personnel monitoring devices are used as required and reports of personnel exposure are reviewed in a timely manner;
4. gauges are properly secured against unauthorized removal at all times when gauges are not in use;
5. proper authorities are notified in case of accident, damage to gauges, fire, or theft;
6. audits are performed at least annually to ensure that (a) the licensee is abiding by NRC and DOT regulations and the terms and conditions of the license (e.g., periodic leak tests, inventories, use limited to trained, approved gauge users), (b) the licensee's radiation protection program content and implementation achieve occupational doses and doses to member of the public that are ALARA (see 10 CFR 20.1101), and (c) the licensee maintains required records with all required information (e.g., records of personnel exposure, leak tests, inventory, training of gauge users) sufficient to comply with NRC requirements;
7. results of audits, identification of deficiencies, and recommendations for change are documented (and maintained for at least 3 years), provided to management for review, and prompt action is taken to correct deficiencies;

(D) *(4)*

8. audit results and corrective actions are communicated to all personnel who use licensed material (regardless of their location or the license under which they normally work);
9. all incidents, accidents, and personnel exposure to radiation in excess of ALARA or Part 20 limits are investigated and reported to NRC and other authorities, as appropriate, within required time limits;
10. licensed material is disposed of properly;
11. the license is amended when changes in licensed activities or responsible individuals occur.
12. licensed material is transported in accordance with all applicable DOT requirements;

ENCLOSURE ③

Annual Audit of Radiation Safety Program

Section 20.1101 of 10 CFR Part 20 requires licensees: (1) to develop, document, and implement a radiation program commensurate with the scope and extent of licensed activities and sufficient to ensure compliance with the regulations, (2) to use procedures and engineering controls to achieve occupational doses and doses to members of the public that are ALARA and (3) to review, at least annually, the radiation program content and implementation. Section 20.2102 of 10 CFR Part 20 requires licensees to maintain records of their radiation protection program. Licensees must maintain records of the provisions of their radiation protection program until the Commission terminates the pertinent license. Licensees must maintain records of audits and other reviews of program content and implementation for 3 years after the record is made.

As indicated in Enclosure 3, the RSO needs to ensure that annual audits are conducted, but does not necessarily need to do it himself/herself. In fact, if the RSO is one of the authorized gauge users, it may be beneficial for a qualified individual (e.g., radiation safety consultant; the corporate radiation safety officer) who is not associated with day-to-day operations to conduct the audit.

The audit should be sufficiently detailed to ensure that (a) the licensee is abiding by NRC regulations and the terms and conditions of the license (e.g., periodic leak tests, inventories; only trained, approved individuals use gauges independently), (b) the licensee's radiation protection program content and implementation achieve occupational doses and doses to member of the public that are ALARA (see 10 CFR 20.1101), and (c) the licensee maintains required records with all required information (e.g., records of personnel exposure, leak tests, inventory, training of gauge users) sufficient to comply with NRC requirements.

These audits may be conducted as "mini-NRC inspections" and may include observation of some or all of the licensee's authorized users during actual or simulated use of gauges. The results of the audit, identification of deficient areas, and recommendations for change need to be documented and provided to licensee management which, in turn, needs to take prompt action to correct any deficiencies noted by the auditor. If the licensee conducts licensed activities at locations other than the one audited or under other licenses, it needs to inform its personnel (at the other locations or working under the other licenses) of the deficiencies noted during audits and of the actions management expects all personnel to take to avoid similar deficiencies.

Document (1) the name and radiation safety qualifications of

the individual who will conduct audits, (2) a description of the scope and extent of the audits, (3) a commitment to conduct audits at intervals not to exceed 12 months and to maintain records of the audits for at least 3 years after the record is made, (4) management's commitment to review the documented results of the audit promptly after the audit's completion, and (5) a commitment to take prompt action to correct deficiencies identified during audits, to inform all personnel (including those at other locations and those working under other licenses) of the deficiencies and the actions management expects its personnel to take to avoid similar deficiencies.

ENCLOSURE

Transportation of Devices to Field Locations

Section 71.5 of 10 CFR Part 71 requires that transport of NRC-licensed material be carried out in accordance with all applicable requirements of the Department of Transportation (DOT), found in Title 49 of the Code of Federal Regulations. A copy of 10 CFR Part 71 of the NRC regulations may be obtained by contacting NRC's Regional or Field Offices (see Figure 1). DOT regulations (49 CFR) may be obtained by writing or calling the Superintendent of Documents, Government Printing Office, Washington, DC 20402 (telephone 202-783-3238). Regulations are periodically updated, so be sure to keep current with applicable DOT requirements.

It is your responsibility to become familiar with all applicable DOT regulations to help ensure safe transportation of radioactive materials. The applicable DOT regulations as they pertain to your program are outlined in 10 CFR 71.5, "Transportation of licensed material." The major areas in the DOT regulations that are most relevant are:

1. **Shipping Papers** 49 CFR 172.200
 - a. 49 CFR 172.201 - General information needed on shipping papers
 - b. 49 CFR 172.202 - Description of hazardous material on shipping papers
 - c. 49 CFR 172.203 - Additional requirements
 - d. 49 CFR 172.204 - Shipper's certification if applicable
2. **Package Markings** 49 CFR 172.300
 - a. 49 CFR 172.310 - Radioactive material Type A or Type B
 - b. 49 CFR 172.324 - Reportable quantities and proper shipping names
3. **Package Labeling** 49 CFR 172.400
 - a. 49 CFR 172.400(a) - Package labelling criteria
 - b. 49 CFR 172.403 - Radioactive materials label type
 - c. 49 CFR 172.406 - Placement of labels



GEO DESIGN CONSULTANTS, INC.
204-B GRAYSON ROAD
VIRGINIA BEACH, VA 23462
PHONE: (804) 473-9533
FAX: (804) 473-9534

FACSIMILE COVER SHEET

DATE: 11-15-95
TO: DIANE HAIM
COMPANY: NRC
FAX #: (404) 331-7437
FROM: BILL BURGE

NO. OF PAGES INCLUDING COVER SHEET 3

MESSAGE: RADIATION SAFETY TRAINING CERTIFICATES.
PLEASE CALL IF THERE IS ANYTHING ELSE
YOU NEED.
BILL

IF THERE ARE ANY PROBLEMS WITH THE TRANSMISSION OF THIS FAX OR
YOU HAVE RECEIVED THIS FAX IN ERROR, PLEASE CONTACT OUR OFFICE
AT: (804) 473-9533.

Control # 256661

(9)

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

BILL BURGE

of

GEC DESIGN CONSULTANTS, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Frank D. Jones
FRANK D. JONES
INSTRUCTOR

CERTIFICATE #: 069924

9/07/95
DATE

WILLIAM F. TROXLER
PRESIDENT

NOV-15 1995
1995
256661
on hold #

Control # 256661

②

Professional Service Industries, Inc.

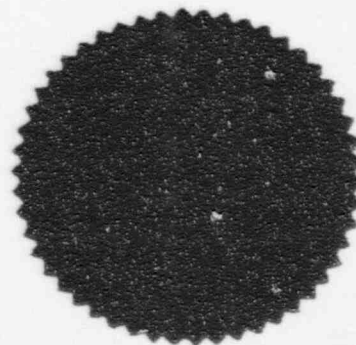
Subjects included in the course were as follows:

Radiation Safety

1. Principles of Radiation Safety
2. Shipping and Storage
3. Radiation dosage calculations
4. Radiation detection and measurement
5. Biological effects
6. Emergency Procedures

10/05/92

Corporate Radiation Safety Director





October 12, 1995

To: **U. S. Nuclear Regulatory Commission**
101 Marietta Street, N. W.
Suite 2900
Atlanta, GA 30323

Attn: Mr. John Potter

Re: Amending Materials License #45-25287-01

Dear Mr. Potter:

Geo Design Consultants, Inc. is requesting to amend its materials license (# 45-25287-01).

We would like to establish a second permanent storage location at Geo Design Consultants, Inc., 11835 Canon Boulevard, Suite C-108, Newport News, VA 23606. Enclosed you will find a sketch indicating the proposed storage location for the nuclear density gauge. Mr. Donald R. Stites, P.E. will be the radiation safety officer at the Newport News office.

In addition, please change the current Radiation Protection Officer from Mark L. Jenkins to William E. Burge.

Should you have any questions, or need additional information, please do not hesitate to contact this office at (804) 473-9533.

Sincerely

William E. Burge

Testing Operations Manager

256661

12

GEOTECHNICAL, MATERIALS, & ENVIRONMENTAL ENGINEERING

APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 326 HRS FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MMSB 7/14) U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3180 0120) OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON DC 20503

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.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, NMSS
WASHINGTON, DC 20555

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:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION 9
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2800
ATLANTA, GA 30333

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
709 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
811 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1460 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94606

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 JURISDICTION.

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)

GEO DESIGN CONSULTANTS, INC.
204 - B GRAYSON ROAD
VIRGINIA BEACH, VA 23462

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

FOR STORAGE OF SOURCES & DEVICES:
GEO DESIGN CONSULTANTS, INC.
204-B GRAYSON ROAD
VIRGINIA BEACH, VA 23462

OPERATIONS:
TEMPORARY SITES IN STATES
SUBJECT TO NRC'S REGULATORY
AUTHORITY

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

MR. CAMILLE A. KATTAN, PRINCIPAL ENGINEER

TELEPHONE NUMBER

(804) 473-9533

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 AND 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 \$ 570.00

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, 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

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Camille A. Kattan

CAMILLE A. KATTAN

PRINCIPAL ENGINEER

2/23/94

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APP

Feb 4th

3P

AMOUNT RECEIVED

CHECK NUMBER

\$570

405

APPROVED BY

DATE

Keta Messier

3/8/94

February 23, 1994

TO: USNRC, Region II
Nuclear Materials Safety Section
101 Marietta Street, Suite 2900
Atlanta, GA 30323

Attn: Ms. Diane Heim

RE: Application for Material License

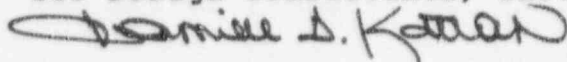
Dear Ms. Heim:

Please find enclosed the completed "Application for Material License" as submitted by this firm. We have enclosed a check for the amount of \$570.00 as required by 10CFR 171.70

We have been awarded a contract requiring the use of the Troxler Moisture-Density gauges, with the work to begin within two weeks. In this regard, please take this urgency into consideration during licensing process. Also, please note that we are a small business with our yearly gross fees not exceeding \$250,000.00.

We look forward to hearing back from you in the very near future. Should you have any questions, please contact the undersigned at 804-473-9533.

Respectfully Submitted,
Geo Design Consultants, Inc.



Camille A. Kattan, P.E.
Principal Engineer
VA Reg #18045

enc
cak/aj

NRC FORM 313
Application for Material License

ITEM 5 - MATERIAL TO BE POSSESSED

1. Gamma emitting Sealed Source. Cesium - 137, and sealed neutron source Americium - 241: Beryllium
2. Manufacturer:
Troxler Electronic Laboratories, Inc.
P.O. Box 12057
3008 Cornwallis Road
Research Triangle Park, NC 27709
Phone: (919) 549-8661

Model Numbers: 3411B
3. Amount of Radioactive material in each sealed source:
8mCi Cs137
40mCi Am241:Be
4. Troxler--same as 1. above.

ITEM 6 - PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED

The Troxler Moisture - Density Gauges will be used for measuring the in place moisture content and density of construction materials, such as soil, gravel, asphalt, etc.

ITEM 7 - INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM
THEIR TRAINING AND EXPERIENCE

Two persons are listed herein, who will assume the Radiation Safety Officer (RSO) position(s):

1. Mr. Mark L. Jenkins

Title of Course:	Training Course for the use of Nuclear Testing Equipment.
Trained by:	Troxler Electronic Laboratories, Inc. Pennsylvania, 10/15/91
Instructor:	Mr. Frank D. Jones
Certificate#:	050471

Mr. Jenkins has operated Troxler gauges and was the RSO for over 2 years.

2. Mr. Camille A. Kattan, P.E.

Mr. Kattan has managed soil testing laboratories owning and operating Troxler Moisture-Density gauges for over 6 years (not in an RSO capacity). Although not currently certified, Mr. Kattan will attend the required courses for RSO certification at Troxler Electronic Laboratories, Inc. during the month of March or April 1994 in Research Triangle Park, North Carolina.

ITEM 8 - TRAINING PROVIDED TO OTHER USERS

The applicant is committed that each employee who will use the Moisture-Density gauges will complete the Troxler Electronic Laboratories, Inc. (Manufacturer) training program before being permitted to use the devices. The training will be completed at Troxler's offices in Research Triangle Park, N.C.

The applicant is also committed that records documenting the training of each employee to use the Moisture-Density gauges will be maintained for 2 years from the date the training is completed.

ITEM 9 - FACILITIES AND EQUIPMENT

The devices will be stored in a locked enclosure (store room constructed of concrete block with self locking steel door) in a way that will prevent access by unauthorized persons. The devices will be in storage or physically watched by an authorized user at all time.

The applicant's proposed equipment and facilities are adequate to protect health and minimize danger to life or property. Licensed material stored in an unrestricted area will be secured from unauthorized removal from the place of storage, and licensed material in an unrestricted area and not in storage will be tended under the constant surveillance and immediate control of the licensee.

ITEM 10 - RADIATION SAFETY PROGRAM

10.1 Personnel Monitoring Equipment

All personnel using the devices will wear a thermoluminescent dosimeter (TLD) when they use the device. The TLD will be changed at intervals not to exceed 3 months.

10.2 Radiation Detection Instruments

The applicant is committed that all personnel will wear thermoluminescent dosimeter (TLD) when using the device. Also, a survey meter (NDS products, model #ND-500A) will be used to detect radiation.

10.3 Leak-Testing

Leak test will be performed at 6-month intervals. The measurement of the leak-test samples will be quantitative and the instrumentation will be sufficiently sensitive to detect 0.005 microcurie of radioactivity. A commercial leak-test kit will be used for leak-testing (Troxler, model 3880). The test samples will be taken by the individuals specified in Item 7 who are responsible for the Troxler radiation safety program.

10.4 Maintenance

Any maintenance performance (such as cleaning) will always be done with the radioactive source in the safe shielded position.

10.5 Transportation of Devices to Field Locations

Packaging and transport of the devices will be carried out in accordance with applicable DOT regulations.

10.6 Operating and Emergency Procedures

User personnel will be provided with written operating and emergency procedures. The applicant will provide the procedures to each person who uses the devices. The procedures include the following topics:

1. Personnel Monitoring: All personnel who use the device will wear their personal dosimeters when they are working with the device.
2. Use of the devices: Step-by-step procedures for the use of the devices.
3. Storage of the devices: Procedures for storing the devices when they are not in use or under the physical surveillance of a user.
4. Transportation: Procedures for transporting devices to and from work sites.
5. Leak-testing: Procedures for performing a leak test. This will be done by individuals specified in Item 7 of the application.
6. Emergency procedures: Steps for workers to take, including individuals to be notified.

ITEM 11 - WASTE MANAGEMENT

Disposal will be by transfer of the radioactive material to a licensee specifically authorized to possess it. (Troxler laboratories).

Authorized recipients will be the original supplier of the device (Troxler), a firm licensed by the NRC or an Agreement State to accept radioactive waste from other persons.

**** Transmit Conf. Report ****

Dec 4 '96 10:47

USNRC Mat'l Lic/Insp ---> 86306911587	
No.	0003
Mode	NORMAL
Time	6'16"
Pages	17 Page(s)
Result	O K



Formerly Geo Design Consultants, Inc.

Facsimile Transmittal Sheet

DATE: 11/6/96 TIME 10:17 am pmTOTAL NUMBER OF PAGES 2

IF YOU DO NOT RECEIVE ALL PAGES PLEASE CALL SENDER ASAP.

TO:

NAME: MR. Earl Wright
FIRM: USNRC
CITY: _____
FAX #: 404-331-7437 5559

FROM:

NAME: CAMILLE KATTANPLEASE DELIVER AS SOON AS POSSIBLE. OPERATOR INITIALS: amg

Writer's direct fax: (757) 473-9534

NOTES: _____

- * The documents accompanying this facsimile transmission may contain confidential client information or attorney work product which is legally privileged. The information is intended only for the use of the recipient named above. If you have received this fax in error, please notify us, and you are hereby notified that any disclosure, copying, distribution, or the taking of this transmitted information is strictly prohibited.



November 4, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Transfer of Ownership

Dear Mr. Wright:

Effective 10/01/96, Geo Design Consultants, Inc. was purchased by Professional Service Industries, Inc. (PSI). A current copy of the license and a copy of the "tie-down" letter dated 10/12/95 were provided to PSI; however, a copy of the license application (dated 02/23/94) could not be located. Please forward a copy of the license application to PSI.

All further correspondence regarding USNRC Radioactive Materials (RAM) License No. 45-25287-01 should be forwarded to Mr. Adam Ackermann, Corporate Radiation Safety Director, at the following address:

Professional Service Industries, Inc. (PSI)
510 East 22nd Street
Lombard, Illinois 60148

Your attention to this matter is appreciated. Should you have any questions, please contact Mr. Ackermann at 630/691-1490.

Sincerely,

Camille A. Kattan, P.E.
Geo Design Consultants, Inc.

CAK/ACA

cc: File

GEO DESIGN CONSULTANTS, INC.

GEOTECHNICAL, ENVIRONMENTAL AND CONSTRUCTION MATERIALS TESTING & INSPECTION SERVICES

204 GRAYSON ROAD, SUITE B • VIRGINIA BEACH, VA 23462 • PHONE: 757/473-9533 • FAX: 757/473-9534



**Environmental
Geotechnical
Construction**
Consulting • Engineering • Testing



Corporate Radiation Safety Department

Facsimile Transmittal Sheet

From:	Adam Ackermann Radiation Safety Director (x 320)	Melissa McLain Staff - Licensing (x 319)	Adrienne Campbell Staff - Equipment (x 385)	Theresa Sperling Staff - Personnel (x 302)
-------	--	--	---	--

Phone: 630/691-1490

Fax: 630/691-1587

Date: 11/04/96

Time:

Total # pages: 4

To: Earl
Wright

Firm:

City:

Fax No: 404/331-7437

Notes:



Corporate Office

November 4, 1995

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Additional Information

Dear Mr. Wright:

Professional Service Industries, Inc. (PSI) is providing the following information in accordance with the provided guidelines for material licensing cases involving change of ownership to facilitate the continued processing of PSI's 10/16/96 amendment request:

- (a) The new name of the licensed organization should be Professional Service Industries, Inc.
- (b) Mr. Adam C. Ackermann, Corporate Radiation Safety Director
phone: 630/691-1490 fax: 630/691-1587
- (c) There have been no changes in management personnel or radiation safety personnel as listed by Condition 11. of the license. PSI is awaiting a copy of the 02/23/94 license application to review all of the commitments made by Geo Design Consultants.
- (d) The transferor was purchased in entirety and does not remain in non-licensed business.
- (e) The transferor was purchased in entirety by PSI, representing a change in ownership.
- (f) There are no planned changes in organization, location, facility, equipment or procedures (except as outlined in PSI's 10/16/96 amendment request) at this time. Upon receipt and review of Geo Design's 02/23/94 license application, PSI will request an amendment to make any necessary changes. (It is anticipated that PSI will apply for an amendment to the license to incorporate PSI's "in-house" training program for moisture/density gauge operators.)

Information To Build On

USNRC RAM License No. 45-25287-01
November 4, 1996
Page Two

- (g) There are no changes in the use, possession, or storage of licensed material at this time.
- (h) There are no changes other than as outlined in item (f).
- (i) Geo Design possessed an inventory of nine (9) moisture/density gauges at the time of purchase. The following are device serial numbers and leak test certificate dates submitted to PSI:

<u>MODEL</u>	<u>SERIAL</u>	<u>LEAK TEST</u>
3411-B	13192	08/13/96
3430	26266	
3430	25502	08/13/96
3430	23993	08/13/96
3430	25501	08/13/96
3216	402	08/13/96
3430	23213	08/13/96
3430	25056	08/13/96
3430	25064	08/13/96

The personnel and equipment will be added to PSI's centralized monitoring for purposes of leak tests, inventories, radiation surveys, etc.

- (j) All licensed activities at the facilities have been utilizing sealed sources, all of which have current leak test certificates.
- (k) Financial assurance for decommissioning is not required for the type and quantity of material possessed.
- (l) PSI is awaiting a copy of the 02/23/94 license application to finish reviewing the commitments made by Geo Design Consultants.
- (m) A letter from the signatory official for Geo Design Consultants is to be submitted under separate cover officially notifying the USNRC of the transfer of ownership.

PSI is not aware of any outstanding compliance or enforcement actions pertaining to USNRC RAM License No. 45-25287-01.

USNRC RAM License No. 46-25287-01
November 4, 1996
Page Three

- (n) PSI will abide by the Conditions of the license. Upon receipt and review of the 02/23/94 license application, PSI will abide by commitments made in the license application.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
C. Katten - Virginia Beach, VA
File

October 16, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Radioactive Materials Licensing Section

Re: USNRC RAM License No. 45-25287-01
Amendment Request

Gentlemen:

Professional Service Industries, Inc. (PSI) has acquired Geo Design Consultants, Inc. At this time there are no significant changes in the radiation protection program or Radiation Safety Officer (RSO) for the license. PSI requests an amendment to USNRC Radioactive Materials (RAM) License No. 45-25287-01 to incorporate the following:

1. Please amend Item 1. of the license to reflect the change in ownership.
2. To accommodate possession of Troxler model 3241 series asphalt content gauges, please amend Item 8.B. of the license to allow sources of up to 300 millicuries of Americium 241:Be.
3. The RSO was unable to provide PSI's Corporate Radiation Safety Department with a copy of the application dated February 23, 1994 as referenced in Condition 21.A. of the license. PSI requests that a copy of the 02/23/94 application be forwarded to PSI's Corporate Radiation Safety Department at the address listed below so PSI may review the commitments made by Geo Design Consultants:

Professional Service Industries, Inc. (PSI)
510 East 22nd Street
Lombard, Illinois 60148

A check in the amount of \$310.00 is enclosed to cover the amendment processing fee.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

Enclosure(s) - 1

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
File

207261

Information To Build On

October 16, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Radioactive Materials Licensing Section

Re: USNRC RAM License No. 45-25287-01
Amendment Request

Gentlemen:

Professional Service Industries, Inc. (PSI) has acquired Geo Design Consultants, Inc. At this time there are no significant changes in the radiation protection program or Radiation Safety Officer (RSO) for the license. PSI requests an amendment to USNRC Radioactive Materials (RAM) License No. 45-25287-01 to incorporate the following:

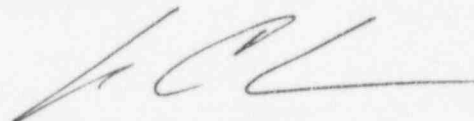
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Professional Service Industries, Inc. (PSI)
510 East 22nd Street
Lombard, Illinois 60148

A check in the amount of \$310.00 is enclosed to cover the amendment processing fee.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

Enclosure(s) - 1

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
File

PROFESSIONAL SERVICE INDUSTRIES, INC
510 EAST 22ND STREET
LOMBARD, ILLINOIS 60148

HARRIS BANK ROSELLE
ROSELLE, ILLINOIS

70-1558
719

No. 948947

MON	DAY	YR	CHECK NO
10	15	96	948947

NOT VALID AFTER 90 DAYS

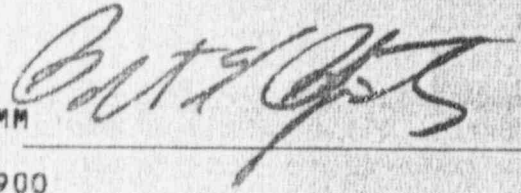
DOLLARS CENTS

PAY

*****310 DOLLARS AND 00 CENTS *****310.00

TO THE ORDER OF:

U.S. NUCLEAR REGULATORY COMM
REGION II
101 MARIETTA ST. N W STE 2900
ATLANTA GA 30323



⑈948947⑈ ⑆0719155801⑆ 04⑈383⑈236⑈7⑈

PROFESSIONAL SERVICE INDUSTRIES, INC

948947

DATE	INVOICE NUMBER	DESCRIPTION	NET AMOUNT
101496	1014961	LICENSE# 452528701	310.00

DETACH BEFORE DEPOSITING CHECK
An EEO / AA Employer

November 4, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Additional Information

Dear Mr. Wright:

Professional Service Industries, Inc. (PSI) is providing the following information in accordance with the provided guidelines for material licensing cases involving change of ownership to facilitate the continued processing of PSI's 10/16/96 amendment request:

- (a) The new name of the licensed organization should be Professional Service Industries, Inc.
- (b) Mr. Adam C. Ackermann, Corporate Radiation Safety Director
phone: 630/691-1490 fax: 630/691-1587
- (c) There have been no changes in management personnel or radiation safety personnel as listed by Condition 11. of the license. PSI is awaiting a copy of the 02/23/94 license application to review all of the commitments made by Geo Design Consultants.
- (d) The transferor was purchased in entirety and does not remain in non-licensed business.
- (e) The transferor was purchased in entirety by PSI, representing a change in ownership.
- (f) There are no planned changes in organization, location, facility, equipment or procedures (except as outlined in PSI's 10/16/93 amendment request) at this time. Upon receipt and review of Geo Design's 02/23/94 license application, PSI will request an amendment to make any necessary changes. (It is anticipated that PSI will apply for an amendment to the license to incorporate PSI's "in-house" training program for moisture/density gauge operators.)

Information To Build On

- (g) There are no changes in the use, possession, or storage of licensed material at this time.
- (h) There are no changes other than as outlined in item (f).
- (i) Geo Design possessed an inventory of nine (9) moisture/density gauges at the time of purchase. The following are device serial numbers and leak test certificate dates submitted to PSI:

<u>MODEL</u>	<u>SERIAL</u>	<u>LEAK TEST</u>
3411-B	13192	08/13/96
3430	26266	
3430	25502	08/13/96
3430	23993	08/13/96
3430	25501	08/13/96
3216	402	08/13/96
3430	23213	08/13/96
3430	25056	08/13/96
3430	25064	08/13/96

The personnel and equipment will be added to PSI's centralized monitoring for purposes of leak tests, inventories, radiation surveys, etc.

- (j) All licensed activities at the facilities have been utilizing sealed sources, all of which have current leak test certificates.
- (k) Financial assurance for decommissioning is not required for the type and quantity of material possessed.
- (l) PSI is awaiting a copy of the 02/23/94 license application to finish reviewing the commitments made by Geo Design Consultants.
- (m) A letter from the signatory official for Geo Design Consultants is to be submitted under separate cover officially notifying the USNRC of the transfer of ownership.

PSI is not aware of any outstanding compliance or enforcement actions pertaining to USNRC RAM License No. 45-25287-01.

USNRC RAM License No. 45-25287-01
November 4, 1996
Page Three

- (n) PSI will abide by the Conditions of the license. Upon receipt and review of the 02/23/94 license application, PSI will abide by commitments made in the license application.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
C. Kattan - Virginia Beach, VA
File

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: (FOR LFMS USE)
: INFORMATION FROM LTS
: -----
:
: Program Code: 03121
: Status Code: 0
: Fee Category: 3P
: Exp. Date: 20040331
: Fee Comments: _____
: Decom Fin Assur Req'd: N
: ::::::::::::::::::::::::::::

1996 NOV -8 AM 10:40

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED

Applicant/Licensee: GEO DESIGN CONSULTANTS, INC.
Received Date: 961106
Docket No: 3033463
Control No.: 257264
License No.: 45-25287-01
Action Type: Amendment

62

2. FEE ATTACHED

Amount: 310.00
Check No.: 948947

3. COMMENTS

Signed DIANE HEIM
Date 11/6/96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered 1/11)

1. Fee Category and Amount: 3P \$300

2. Correct Fee Paid. Application may be processed for:

Amendment /
Renewal _____
License _____

3. OTHER _____

Signed *Rita Specian*
Date 11/13/96

Name Change

LOG	<u>Nov 2 II</u>
Remitter	<u>948947</u>
Check No.	<u>2310</u> (<u>910 Refunded</u>)
Amount	<u>3P</u>
Fee Category	<u>Amnd</u>
Type of Fee	
Date Check Rec'd.	<u>11/13/96</u>
Date Completed	<u>11/13/96</u>
By:	<u><i>Ken</i></u>



Formerly Geo Design Consultants, Inc.

Facsimile Transmittal SheetDATE: 11/6/96 TIME 10:17 am pmTOTAL NUMBER OF PAGES 2

IF YOU DO NOT RECEIVE ALL PAGES PLEASE CALL SENDER ASAP.

TO:

NAME: MR. EABL WRIGHT
FIRM: USNRC
CITY: _____
FAX #: 404-331-7437 5559

FROM:

NAME: CAMILLE KATTANPLEASE DELIVER AS SOON AS POSSIBLE. OPERATOR INITIALS: ang

Writer's direct fax: (757) 473-9534

NOTES: _____

- * The documents accompanying this facsimile transmission may contain confidential client information or attorney work product which is legally privileged. The information is intended only for the use of the recipient named above. If you have received this fax in error, please notify us, and you are hereby notified that any disclosure, copying, distribution, or the taking of this transmitted information is strictly prohibited.

207264



November 4, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Transfer of Ownership

Dear Mr. Wright:

Effective 10/01/96, Geo Design Consultants, Inc. was purchased by Professional Service Industries, Inc. (PSI). A current copy of the license and a copy of the "tie-down" letter dated 10/12/95 were provided to PSI; however, a copy of the license application (dated 02/23/94) could not be located. Please forward a copy of the license application to PSI.

All further correspondence regarding USNRC Radioactive Materials (RAM) License No. 45-25287-01 should be forwarded to Mr. Adam Ackermann, Corporate Radiation Safety Director, at the following address:

Professional Service Industries, Inc. (PSI)
510 East 22nd Street
Lombard, Illinois 60148

Your attention to this matter is appreciated. Should you have any questions, please contact Mr. Ackermann at 630/691-1490.

Sincerely,

Camille A. Katten, P.E.
Geo Design Consultants, Inc.

CAK/ACA

cc: File

GEO DESIGN CONSULTANTS, INC.

GEOTECHNICAL, ENVIRONMENTAL AND CONSTRUCTION MATERIALS TESTING & INSPECTION SERVICES
204 GRAYSON ROAD, SUITE B • VIRGINIA BEACH, VA 23462 • PHONE: 757/473-9533 • FAX: 757/473-9534



Environmental
Geotechnical
Construction
Consulting - Engineering - Testing



Corporate Radiation Safety Department

Facsimile Transmittal Sheet

From:	Adam Ackermann Radiation Safety Director (x 320)	Melissa McLain Staff - Licensing (x 319)	Adrienne Campbell Staff - Equipment (x 385)	Theresa Sperling Staff - Personnel (x 302)
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Phone: 630/691-1490

Fax: 630/691-1587

Date: 11/04/96

Time:

Total # pages: 4

To: Earl
Wright

Firm:

City:

Fax No: 404/331-7437

Notes:



Corporate Office

November 4, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Earl Wright

Re: USNRC RAM License No. 45-25287-01
Additional Information

Dear Mr. Wright:

Professional Service Industries, Inc. (PSI) is providing the following information in accordance with the provided guidelines for material licensing cases involving change of ownership to facilitate the continued processing of PSI's 10/16/96 amendment request:

- (a) The new name of the licensed organization should be Professional Service Industries, Inc.
- (b) Mr. Adam C. Ackermann, Corporate Radiation Safety Director
phone: 630/691-1490 fax: 630/691-1587
- (c) There have been no changes in management personnel or radiation safety personnel as listed by Condition 11. of the license. PSI is awaiting a copy of the 02/23/94 license application to review all of the commitments made by Geo Design Consultants.
- (d) The transferor was purchased in entirety and does not remain in non-licensed business.
- (e) The transferor was purchased in entirety by PSI, representing a change in ownership.
- (f) There are no planned changes in organization, location, facility, equipment or procedures (except as outlined in PSI's 10/16/96 amendment request) at this time. Upon receipt and review of Geo Design's 02/23/94 license application, PSI will request an amendment to make any necessary changes. (It is anticipated that PSI will apply for an amendment to the license to incorporate PSI's "in-house" training program for moisture/density gauge operators.)

Information To Build On

USNRC RAM License No. 45-25287-01
November 4, 1996
Page Two

- (g) There are no changes in the use, possession, or storage of licensed material at this time.
- (h) There are no changes other than as outlined in item (f).
- (i) Geo Design possessed an inventory of nine (9) moisture/density gauges at the time of purchase. The following are device serial numbers and leak test certificate dates submitted to PSI:

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3430	25056	08/13/96
3430	25064	08/13/96

The personnel and equipment will be added to PSI's centralized monitoring for purposes of leak tests, inventories, radiation surveys, etc.

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- (m) A letter from the signatory official for Geo Design Consultants is to be submitted under separate cover officially notifying the USNRC of the transfer of ownership.

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USNRC RAM License No. 45-25287-01
November 4, 1996
Page Three

- (n) PSI will abide by the Conditions of the license. Upon receipt and review of the 02/23/94 license application, PSI will abide by commitments made in the license application.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
C. Kattan - Virginia Beach, VA
File

October 18, 1996

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Attention: Radioactive Materials Licensing Section

Re: USNRC RAM License No. 45-25287-01
Amendment Request

Gentlemen:

Professional Service Industries, Inc. (PSI) has acquired Geo Design Consultants, Inc. At this time there are no significant changes in the radiation protection program or Radiation Safety Officer (RSO) for the license. PSI requests an amendment to USNRC Radioactive Materials (RAM) License No. 45-25287-01 to incorporate the following:

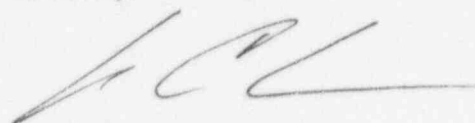
1. Please amend Item 1. of the license to reflect the change in ownership.
2. To accommodate possession of Troxler model 3241 series asphalt content gauges, please amend Item 8.B. of the license to allow sources of up to 300 millicuries of Americium 241:Be.
3. The RSO was unable to provide PSI's Corporate Radiation Safety Department with a copy of the application dated February 23, 1994 as referenced in Condition 21.A. of the license. PSI requests that a copy of the 02/23/94 application be forwarded to PSI's Corporate Radiation Safety Department at the address listed below so PSI may review the commitments made by Geo Design Consultants:

Professional Service Industries, Inc. (PSI)
510 East 22nd Street
Lombard, Illinois 60148

A check in the amount of \$310.00 is enclosed to cover the amendment processing fee.

Should you have any questions, please contact me at 630/691-1490 (x 320).

Sincerely,



Adam C. Ackermann
Radiation Safety Director

ACA\

Enclosure(s) - 1

cc: W. Burge - Virginia Beach, VA
D. Stites - Newport News, VA
File

207264

Information To Build On

**DIVISION OF ACCOUNTING AND FINANCE
REQUEST FOR REFUND TO EMPLOYEE/VENDOR**

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS AND/OR SERVICES PROVIDED AND IS DUE A REFUND

EMPLOYEE/VENDOR/PAYEE CODE: _____

NAME: Professional Services Industries, Inc.

ADDRESS: Attn: Adam C. Ackerman

ADDRESS: 510 East 22nd Street

CITY: Lombard STATE: IL ZIP: 60148

TRANS CODE: PX

TRANS TYPE: FE FUND: X5280 JOB CODE: _____ AMOUNT: \$ 10.00

TRANS TYPE: IR FUND: R1435 JOB CODE: INTR AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: ADCH AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: FINE AMOUNT: _____

TOTAL REFUND AMOUNT: \$ 10.00

COMMENTS: Carpmnt And fee Lic 45-25287-01
CK 948947

(limit comments to 40 characters, including spaces)

PREPARED BY: Rita Messer DATE: 11/13/96

AUTHORIZED BY: Sandra Kemmich DATE: 11/25/96

ORIGINAL INV. NO: _____ DATE PAID: _____ AMOUNT: _____

REFUND ENTERED INTO COLLECT BY: _____

REFUND DETERMINED BY: _____ DATE: _____

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION

3P
AA905 AMD
Nov 2 II
257264
CK 948947
dated 10/15/96
for 9310