

Tuesday, December 4, 2007

U.S. Nuclear Regulatory Commission (NRC)  
Region I  
Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1415

MS 16  
Q-2

Attention: Materials Licensing Branch

03035647

Re: USNRC License No. 12-16941-04  
Control No. 141295

Gentlemen:

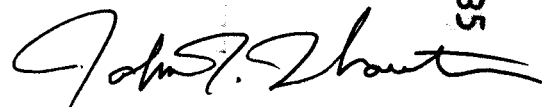
In a letter dated Friday, August 17, 2007 (copy attached), Professional Service Industries, Inc. (PSI) requested an amendment to United States Nuclear Regulatory Commission (U.S. NRC) Materials License No. 12-16941-04. (NOTE: NRC Materials License No. 12-16941-04 is issued to PSI's Pittsburgh, PA facility, Special Test Department, for service and calibration of PSI's 600+ unit fleet of portable moisture/density gauges. Per my recent telephone conversation with the Special Test Department Manager, PSI has the capacity [and potential need] to store up to 100 devices at one time under authorization of the license.)

In order not to limit PSI's ability to service gauges, PSI would prefer not to specify a limit on the number of gauges (gauge models) to be possessed under authorization of the license at any one time. However, pursuant to Sattar Lodhi's e-mail (copy attached) which indicates that current NRC policy requires that the maximum possession limit for each authorized isotope be specified on the license, PSI requests a license possession limit per radionuclide (as specified on NRC Materials License No. 12-16941-01, copy attached) as follows:

- |    |               |                |
|----|---------------|----------------|
| A. | Cesium-137    | 1 Curie Total  |
| B. | Americium-241 | 4 Curies Total |

Should you have any questions or if I may be of any assistance, please contact me at PSI's corporate office in Oakbrook Terrace, Illinois at 630/691-1490 (x 320) or via e-mail at john.thornton@psiusa.com.

Sincerely,



John T. Thornton  
Safety Director/Corporate RSO

JTT/  
Attachment(s) – as stated  
cc: P. Medwig – PSI, Pittsburgh, PA  
File

2007 DEC 10 PM 12:35  
RECEIVED  
REGION 1

141295

NMSS/RGN1 MATERIALS-002

Friday, August 17, 2007

U.S. Nuclear Regulatory Commission (NRC)  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Attention: Materials Licensing Branch

Re: USNRC License No. 12-16941-04  
Amendment Request

Gentlemen:

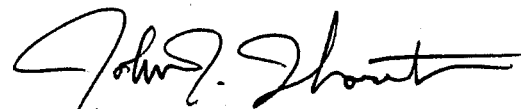
Professional Service Industries, Inc. (PSI) requests an amendment to United States Nuclear Regulatory Commission (U.S. NRC) Material License No. 12-16941-04 to incorporate the following:

1. Please amend Item 9. of the (current) license to read:
  - A. and B. For possession incident to providing commercial service for other persons as defined in 10 CFR 20.1003 in Troxler Electronic Laboratories, Inc., Campbell Pacific Nuclear, Corp., Humboldt Scientific, Inc., **InstroTek, Inc.** or **Seaman Nuclear Corporation** devices, that have been registered with U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.

There are no other changes to the license at this time.

Your attention to this matter is greatly appreciated. Should you have any questions or if I may be of any assistance, please contact me at PSI's corporate office in Oakbrook Terrace, Illinois at 630/691-1490 (x 320) or via e-mail at john.thornton@psiusa.com.

Sincerely,



John T. Thornton  
Safety Director/Corporate RSO

JTT/

Cc: Pittsburgh, PA – P. Medwig  
File

## Thornton, John

---

**From:** Sattar Lodhi [ASL@nrc.gov]  
**Sent:** Thursday, November 08, 2007 12:07 PM  
**To:** Thornton, John  
**Subject:** Your License Amendment Request

Mr. Thornton:

This is in regard to your request to add additional manufacturers of portable gauges to your license. Please note that current NRC policy requires that maximum possession limit of each authorized radioisotope be specified in Item 8 of the license.

Your current license does not have these limits specified for Items A. and B. Therefore, you must specify the number of each type of portable gauge (with Model Number) that you intend to possess at any time so that we may specify the maximum possession limits for Items A. and B.

Please be reminded that if the possession limits exceed certain amounts, you may be required to implement Increased Controls specified in NRC Order EA 05-090, and/or provide financial assurance for decommissioning.

Please refer to Control No. 141295 in your response. Your response must be signed by a senior member of your management. Please do not send your response via e-mail. You may fax your response to: (610) 337 5269, or send it via regular mail. Please feel free to call me at (610) 337 5364 if you have any questions regarding this request. Thank you.

Sattar Lodhi  
Senior Health Physicist  
USNRC Region I

**Official Use Only - Security-Related Information**

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

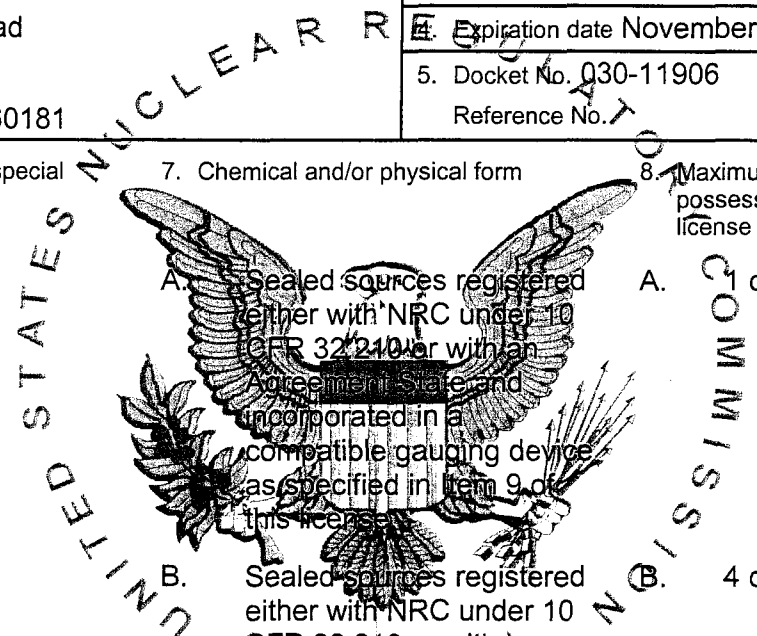
PAGE 1 OF 4 PAGES  
Amendment No. 70

**MATERIALS LICENSE**

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  1. Professional Service Industries, Inc.  2. 1901 South Meyers Road Suite 400 Oakbrook Terrace, IL 60181	In accordance with letter dated <b>August 17, 2007,</b>  3. License number 12-16941-01 is amended in its entirety to read as follows:  4. Expiration date November 30, 2012  5. Docket No. 030-11906 Reference No.
--	--

6. Byproduct, source, and/or special nuclear material  A. Cesium-137  B. Americium-241	7. Chemical and/or physical form  A. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.  B. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	8. Maximum amount that licensee may possess at any one time under this license  A. 1 curie total  B. 4 curies total
--	--	---



9. Authorized use:
- A. and B. For use in any Troxler, Campbell Pacific, Humboldt Scientific, **Instro Tek**, or Seaman Nuclear Corporation moisture/density gauge that has been approved and registered by the U.S. Nuclear Regulatory Commission or an Agreement State to measure moisture/density of construction materials.