

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 | In accordance with letter dated March 5, 1997 |
| 1. Professional Service Industries, Inc. | 3. License Number 53-29093-01 is amended in its entirety to read as follows: |
| 2. 765 Amana Street, Suite 300 Honolulu, Hawaii 96814 | 4. Expiration Date December 31, 2000 |
| | 5. Docket or Reference No. 030-33961 |

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. See Condition 9.A.

B. See Condition 9.B.

9. Authorized use

A. and B. To be used, for measurement purposes, in compatible portable Boart Longyear Company (formerly Campbell Pacific Nuclear Company), Humboldt Scientific, Inc., or Troxler Electronic Laboratories, Inc. gauging devices that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.

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PDR ADOCK 03033961
C PDR

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number 53-29093-01

Docket or Reference Number 030-33961

Amendment No. 3

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 765 Amana Street, Suite 300, Honolulu, Hawaii; 3-4371 Kuhio Hwy., Hanamaulu, Kauai, Hawaii; or the Gemini Telescope Site on the summit of Mauna Kea, Hawaii; and may be used 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.
 - A. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have successfully completed either the manufacturer's training program for gauge users or the training described in the application dated September 5, 1995, have received copies of, and training in, the licensee's operating and emergency procedures, and have been designated by the Radiation Safety Officer.
 - B. The Radiation Safety Officer for this license is Michael Polkinghorn.
12.
 - A. Sealed sources and detector cells 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 or by an Agreement State.
 - B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
 - C. 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.
 - D. Sealed sources need not be leak tested if:
 - (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 53-29093-01

Docket or Reference Number 030-33961

Amendment No. 3

(continued)

- (v) they are not designed to emit alpha particles, 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- E. 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 IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Radiation Safety and Safeguards. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect leak test samples for analysis by Microtec Services, 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.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
15. Each portable 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.
16. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

| | |
|----------------------------|-------------|
| License Number | 53-29093-01 |
| Docket or Reference Number | 030-33961 |
| Amendment No. | 3 |

17. Any cleaning, maintenance, or repair of the gauges 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.
18. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. The licensee shall not use sealed sources or probes containing sealed sources at depths exceeding 3 feet below the surface.
20. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
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 September 5, 1995
 - B. Letter dated November 8, 1995
 - C. Letter dated December 12, 1995
 - D. Letter dated February 20, 1996
 - E. Letter dated February 29, 1996
 - F. Letter dated November 4, 1996
 - G. Letter dated March 5, 1997
 - H. Facsimile dated March 21, 1997

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAR 24 1997

By Beth A. Prange
Materials Branch
Region IV, WCFO
Walnut Creek, California 94596

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03121
Status Code: 0
Fee Category: 3P
Exp. Date: 20001231
Fee Comments:
Decom Fin Assu Req'd: N

RECEIVED
NRC
RIV WCFO

97 MAR 24 4 PM 12:50
1997 MAR 14 PM 12:50

LICENSE FEE TRANSMITTAL

A. REGION IV - WCFO

1. APPLICATION ATTACHED
Applicant/Licensee: PROFESSIONAL SERVICE INDUSTRIES, INC
Received Date: 970312
Docket No: 3033961
Control No.: 572467
License No.: 53-29093-01
Action Type: Amendment

2. FEE ATTACHED
Amount: 300.00
Check No.: 979820

3. COMMENTS

Signed
Date

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone #3 is entered #1)

1. Fee Category and Amount: 3P \$300
2. Correct Fee Paid. Application may be processed for:
Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

| | | |
|-------------------|----------------|-------------|
| Log | <u>Mar 1</u> | <u>WCFO</u> |
| Remitter | <u>979820</u> | |
| Check No. | <u>979820</u> | |
| Amount | <u>\$300</u> | |
| Fee Category | <u>3P</u> | |
| Type of Fee | <u>Amend</u> | |
| Date Check Rec'd. | <u>3/14/97</u> | |
| Date Completed | <u>3/14/97</u> | |
| By | <u>Ken</u> | |



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

MAR 24 1997

Professional Service Industries, Inc.
ATTN: Michael Polkinghorn
Radiation Safety Officer
765 Amana Street, Suite 300
Honolulu, Hawaii 96814

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 53-29093-01. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact Kent M. Prendergast at (510) 975-0255.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public which can result from failure to comply with NRC requirements, you must conduct your program involving radioactive 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:

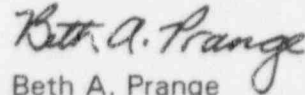
1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
5. Request and obtain written NRC consent before transferring your license or any right thereunder, either voluntarily or involuntarily, directly or indirectly, through transfer of control of your license to any person or entity. A transfer of control of your license includes not only a total change of ownership, but also a change in the controlling interest in your company whether it is a corporation, partnership, or other entity. In addition, appropriate license amendments must be requested and obtained for any other planned changes in your facility or program that are contrary to your license or contrary to representations made in your license application, as well as supplemental correspondence thereto, which are incorporated into your license. A license fee may be charged for the amendments if you are not in a fee-exempt category.

6. Maintain in a single document decommissioning records that have been certified for completeness and accuracy listing all the following items applicable to the license:
 - Onsite areas designated or formerly designated as restricted areas as defined in 10 CFR 20.3(a)(14) or 20.1003.
 - Onsite areas, other than restricted areas, where radioactive materials in quantities greater than amounts listed in Appendix C to 10 CFR 20.1001-20.2401 have been used, possessed, or stored.
 - Onsite areas, other than restricted areas, where spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site have occurred that required reporting pursuant to 10 CFR 30.50(b)(1) or (b)(4), including areas where subsequent cleanup procedures have removed the contamination.
 - Specific locations and radionuclide contents of previous and current burial areas within the site, excluding radioactive material with half-lives of 10 days or less, depleted uranium used only for shielding or as penetrators in unused munitions, or sealed sources authorized for use at temporary job sites.
 - Location and description of all contaminated equipment involved in licensed operations that is to remain onsite after license termination.
7. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
8. Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

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; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), 60 FR 34381, June 30, 1995.

Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Beth A. Prange".

Beth A. Prange
Sr. Health Physicist (Licensing)
Materials Branch

Docket: 030-33961
License: 53-29093-01
Control: 572467

cc: Adam Ackerman

Enclosures: As stated

bcc:

Docket File
WCFO Inspection File
LFDCB, T-9 E10
State of Hawaii (License Only)

DOCUMENT NAME: G:\PSI572467

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

| | | | | | | | | | |
|--------------|------------|----------|------------|---------|--|---------|--|---------|--|
| RIV:MB | | C:MB | N | | | | | | |
| KPrendergast | <i>KaD</i> | BPrange | <i>BAP</i> | | | | | | |
| 03/24/97 | | 03/24/97 | | 03/ /97 | | 03/ /97 | | 03/ /97 | |

OFFICIAL RECORD COPY



March 21, 1997

Mr. Kent Prendergast
U.S. Nuclear Regulatory Commission Region IV
Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, CA 94596

RE: License Amendment

Dear Mr. Prendergast,

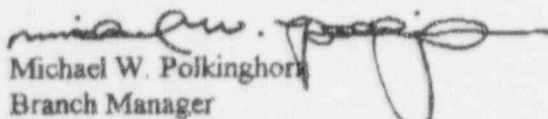
Per our discussion of March 20, 1997, we are supplying the most current leak detection data available for the troxler gauge stored at our location. The gauge is stored in our locked office. The storage box containing the device is locked. Inside of the storage box the actual manufacturers case is also secured with a padlock.

Leak test data indicates that this device has never leaked whilst it was in our possession, nor have we had any devices that have shown evidence of leakage. Survey data throughout the year did not indicate any occupied areas that exceeded regulatory guidelines. A close out survey performed of the 99-890 Iwaena St. site did not indicate the presence of any mr/hr readings (background).

We will continue our quarterly survey procedures in accordance with policy. When the current leak test data is available it will be forwarded directly to you by facsimile.

Thankyou in advance for your assistance in amending our license. If you have any questions please call me at 808 947 1127.

Sincerely,
PSI Inc.


Michael W. Polkinghorn
Branch Manager

Attachment

Information To Build On

**MICROTEC SERVICES, INC.**

113 ANDERSON PASADENA, TX 77506

TEL. (713) 475-2274

LEAK TESTING
CALIBRATIONS
REPAIR
NEW INSTRUMENTS

******* CERTIFICATE OF LEAK TEST *******

CUSTOMER: PROFESSIONAL SERVICE INDUSTRIES, INC.
AIEA, HI. 96701

This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removable contamination.

SERIAL NUMBER: 75-5409/47-19311
ISOTOPE: CS-137/AM-241 BE
ACTIVITY: 8/40 MCI.
REMARKS: GAUGE #23428
MFR/MODEL: TROXLER 3411-B
DATE OF TEST: 8-22-96

******* LEAK TEST ANALYSIS DATA *******

GROSS COUNTS: 185
BACKGROUND COUNTS: 185
COUNTING EFFICIENCY: 54.7%
CONTAMINATION (DPM): 0.0
REMOVABLE CONTAMINATION: Less Than .0001 Microcuries

DATE ANALYZED: 8-29-96
ANALYZED BY: Q. STOKLEY

COMMENTS: _____

(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)

TEXAS LICENSE NO. L04656

** TOTAL PAGE.02 **

572467

| | | |
|---|--------------------------------------|---|
| U.S. NUCLEAR REGULATORY COMMISSION | | DATE: 3/20/97 |
| TELEPHONE OR VERBAL CONVERSATION RECORD | | TIME: 2:00P am or pm |
| INCOMING CALL | OUTGOING CALL | VISIT |
| PERSON CALLING Kent Prendergast | ADDRESS RIV, WCFO | PHONE # / EXTENSION (510) 975 - 0255 |
| PERSON CALLED: Michael Polkinghorn | ADDRESS: PSI, Hawaii | PHONE # / EXTENSION: 808/947-1127 |
| CONVERSATION | | |
| SUBJECT: Termination | | |
| <p>SUMMARY: I Requested clarification regarding the following:</p> <ol style="list-style-type: none"> 1) Copy of latest leak tests for gauges stored at the AIEA facility. 2) A letter or indication none of the sources stored at the AIEA facility have leaked. 3) Indication that the sources will be stored in a manner to keep the dose to the adjacent areas less than 100 mr/year. 4) Indication the room where the gauges are stored is locked. | | |
| REFERRED TO: MS-15 | ADVISE ME OF ACTION TAKEN (Y) OR (N) | |
| ACTION REQUESTED Provide information | INITIALS: KP <i>KMP</i> | |
| | DATE 3/20 | |
| ACTION TAKEN | INITIALS: | |
| | DATE | |
| | NRC FORM 218 REPO (2-89;KMP) | |



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

Walnut Creek Field Office
1450 Maria Lane
Walnut Creek, California 94596-5368

MAR 13 1997

Professional Service Industries, Inc. (PSI)
ATTN: Adam C. Ackermann
Radiation Safety Director
765 Amana Street, Suite 300
Honolulu, Hawaii 96814

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: Letter dated March 5, 1997

We have completed the administrative review and initial processing of your application.

Please note that the technical review may identify additional omissions in the submitted information or technical issues that require additional information.

Amendment actions are normally processed within 90 days, unless the technical review identifies:

- Major technical deficiencies
- Policy issues that require input and coordination with other NRC Regional offices, Agreement State offices, or NRC's Office of Nuclear Materials and Safeguards

A copy of your correspondence has been forwarded to our License Fee and Accounts Receivable Branch, Office of the Controller, who will contact you separately if the appropriate license fee has not been submitted for your request, or for billing if your request is subject to full cost recovery.

Any correspondence about this application should reference the Control number listed below.

Sincerely,

Beth A. Prange

Beth A. Prange
Sr. Health Physicist (Licensing)
Materials Branch

Docket No. 030-33961
License No. 53-29093-01
Control No. 572467

cc: M. Polkinghorn

ORC

Professional Service Industries, Inc. (PSI) -2-

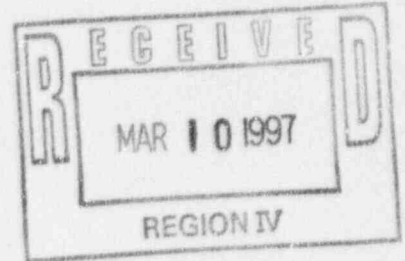
bcc:
Docket File

To receive a copy of this document, indicate in the box "C" - Copy without attachment/enclosure "E" - Copy with attachment/enclosure "N" - No Copy

| | | | | |
|--------|----------------|---|----------------|--------------|
| OFFICE | RIV:WCFO:NMLB | N | | N |
| NAME | J. Garcia | | B. Prange | <i>1821P</i> |
| DATE | <i>3/13/97</i> | | <i>3/13/97</i> | |

97 MAR 12 AM 9:58

March 5, 1997



U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011

Attention: Radioactive Materials Licensing Section

Re: USNRC RAM License No. 53-29093-01
Amendment Request

Gentlemen:

Professional Service Industries, Inc. (PSI) requests an amendment to USNRC Radioactive Materials (RAM) License No. 53-29093-01 to incorporate the following:

Please amend the licensee address in Item 2. and the Aiea facility authorized storage location in Condition 10. to:

Professional Service Industries, Inc. (PSI)
765 Amana Street, Suite 300
Honolulu, Hawaii 96814
(An annotated diagram is attached)

Upon receipt of approval of the Honolulu facility, PSI will conduct and submit a "close-out" survey of the Aiea facility.

A check in the amount of \$300.00 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\

Attachment(s) - 3
Enclosure(s) - 1

cc: M. Polkinghorn - Honolulu, HI
File

572467

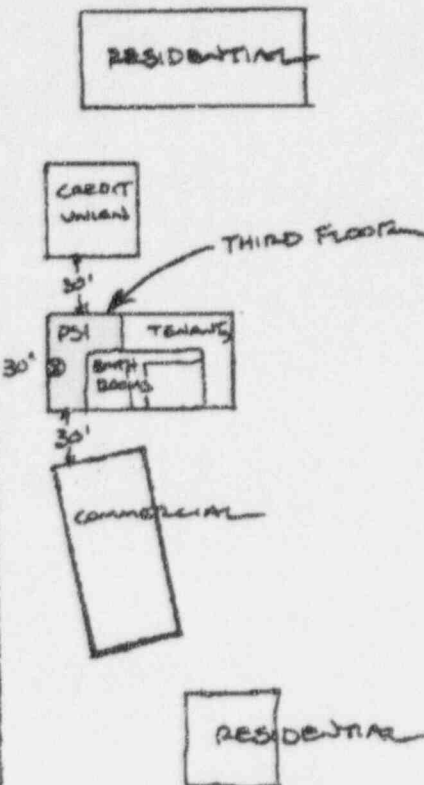
Information To Build On

Professional Service Industries



KAWAII ST.

ANALUA ST.



MAKALOA ST.

⊗ Transfer Station

PROJECT NAME

PSI INC
765 ANALUA ST #300
HONOLULU HI 96814
808 947 1127

ZONING: Commercial

PROJECT NO

DATE

