

## MATERIALS LICENSE

Amendment No. 02  
CORRECTED COPY

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 Services Industries,  
Incorporated (PSI)2. 510 East 22nd Street  
Lombard, IL 60148In accordance with letter dated  
August 12, 19963. License Number 12-16941-03 is amended in  
its entirety to read as follows:

4. Expiration Date September 30, 2005

5. Docket or  
Reference No. 030-337926. Byproduct, Source, and/or  
Special Nuclear Material7. Chemical and/or Physical  
Form8. Maximum Amount that Licensee  
May Possess at Any One Time  
Under This License

A. Iridium-192

A. Sealed sources  
specified in  
Condition 10.AA. No single source to  
exceed 100 curies each

B. Cobalt-60

B. Sealed sources  
specified in  
Condition 10.BB. No single source to  
exceed 100 curies eachC. Uranium depleted in  
Uranium-235

C. Solid metal

C. Not to exceed  
999 kilograms  
total possession limit

9. Authorized Use:

A. and B. For use in industrial radiography and replacement of sources as specified in  
Condition 10.

C. For shielding in radiography devices and source changers.

CONDITIONS10. A. Iridium-192 sealed sources, exposure devices and source changers  
authorized for use are as follows:

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PDR ADOCK 03033792  
C PDR

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

12-16941-03

Docket or Reference Number

030-33792

Amendment No. 02

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<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Exposure Device</u>	<u>Manufacturer's Name &amp; Model No. of Source Changer</u>
Iridium-192	100 curies	AMSHM Corp. 89916	INC IR-100	GI C-10, GN U-110
Iridium-192	100 curies	AMSHM Corp. A424-9	AMSHM 660B, 660 system	AMSHM 500-SU 650L, 855, SPEC C-1, INC IR-50
Iridium-192	100 curies	INC 7	AMSHM 660, 660 System	INC IR-50 AMSHM 500-SU 650, 820, 855, SPEC C-1
Iridium-192	100 curies	INC 32	INC IR-100	INC IR-50, GI C-10, AMSHM 500-SU 650
Iridium-192	100 curies	INC 33	INC IR-100	INC IR-50, GI C-10, AMSHM 500-SU 650
Iridium-192	100 curies	SPEC G-40F	INC IR-100	INC IR-50, SPEC C-1, AMSHM 500-SU
Iridium-192	100 curies	SPEC T-5F	AMSHM 660-B	AMSHM 500-SU 650, SPEC C-1, INC IR-50
Iridium-192	100 curies	SPEC T-7F	AMSHM 660-B	AMSHM 650, SPEC C-1, INC IR-50
Iridium-192	100 curies	SPEC T-5	AMSHM 660-B	SPEC C-1, INC IR-50, AMSHM 650L

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<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Exposure Device</u>	<u>Manufacturer's Name &amp; Model No. of Source Changer</u>
Iridium-192	100 curies	SPEC G-60	SPEC-150	SPEC C-1
Iridium-192	100 curies	SPEC G-40T	INC IR-100	INC IR-50, SPEC C-1

10. B. Cobalt-60 sealed sources, exposure devices and source changers authorized for use are as follows:

<u>Isotope</u>	<u>Maximum Activity Per Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Sealed Source</u>	<u>Manufacturer's Name &amp; Model No. of Exposure Device</u>	<u>Manufacturer's Name &amp; Model No. of Source Changer</u>
Cobalt-60	100 curies	AMSHM Corp. A 424-14	AMSHM Corp. 680A, 680B	AMSHM 770, 771

11. Licensed material may be used at the licensee's facilities located at 850 Poplar Street, Pittsburgh, Pennsylvania 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.
12. A. The Corporate Radiation Safety Officer is Adam C. Ackermann.  
B. The Radiation Safety Officer for the Pittsburgh facility is William Krizmanich.
13. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in letter dated February 16, 1995 (with attached application) and have been approved in writing by the Corporate Radiation Safety Officer.
14. A. Notwithstanding the periodic leak test required by 10 CFR 34.25(b), the requirement does not apply to radiography sources that are stored and not being used. The sources exempted from this test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- B. Sealed sources authorized for a use other than radiography shall be tested for leakage in accordance with 10 CFR 34.25.

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15. The licensee is authorized to receive, possess, and use sealed sources of iridium-192 or cobalt-60 where the radioactivity exceeds the maximum amount of radioactivity specified in this license provided:
- A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20 percent for iridium-192 or 10 percent for cobalt-60; and
  - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in this license was ordered from the supplier or transferor of the byproduct material; and
  - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 10 CFR 34.21.
16. Sealed sources containing licensed material shall not be opened.
17. 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."
18. In addition to the possession limits in Condition 10, 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.
19. 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 U.S. 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. Letters dated February 16, 1995 (with attached application), July 7, 1995, and August 28, 1995.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

Nov 20, 1996

By

Richard R. Matton

Nuclear Materials Licensing Branch, Region III

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NOV 21 1996

Adam C. Ackermann  
Professional Services Industries,  
Incorporated (PSI)  
510 East 22nd Street  
Lombard, IL 60148

Dear Mr. Ackermann:

It has come to our attention that Amendment Number 02 to License Number 12-16941-03 issued on September 23, 1996 contained an error.

Enclosed is a corrected copy re-adding the A 424-14 source for use in the Amersham Model 680A and 680B exposure devices as requested in your letter received November 18, 1996. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By  
Evelyn R. Matson  
Nuclear Materials Licensing Branch

License No.: 12-16941-03  
Docket No.: 030-33792

Enclosure: Corrected Copy of  
Amendment No. 02

DOCUMENT NAME: M:\03033792.CC6

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OFFICE	DNMS/RIIL <i>EM</i>								
NAME	EMATSON:jaw								
DATE	11/20/96								

OFFICIAL RECORD COPY



U.S. Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

Attn: Radioactive Materials Licensing Section

Re: USNRC RAM License No. 12-16941-03  
Corrected Amendment Request

Gentlemen:

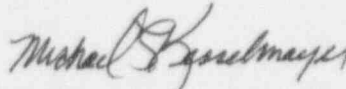
Professional Service Industries, Inc. (PSI) is in receipt of Amendment No. 2 to USNRC RAM License No. 12-16941-03. Upon review, it appears that a corrected amendment is necessary to incorporate the following:

It appears that PSI's August, 12 1996 Amendment Request contained a typographical error requesting the deletion of the Amersham model A424-14 sealed source and all associated devices. PSI intended to delete the Amersham model 680 exposure device only (retaining the A424-14 source for use in the Amersham model 680A and 680B exposure devices). Please amend the license to re-add Condition 10.B. authorizing possession of the Amersham model A424-14 source for use in Amersham model 680A and Amersham model 680B exposure devices, and Amersham model 770 and Amersham model 771 source changers.

PSI requests that this action be processed on a priority basis due to pending business concerns.

Should you have any questions, please contact me at 630/691-1490 (x337).

Sincerely,



Michael S. Kesselmayr  
Administrative Coordinator

MSK:mmm

cc: William Krizmanich - Pittsburgh, PA  
File

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NOV 18 1996  
REGION III

NOV 18 1996

*Pm: 11-14-96*

*Information To Build On*