

## 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, 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. Precision Logging and Perforating

2. 200 South Broadway  
Cleveland, Oklahoma 74020In accordance with letter dated  
December 11, 19963. License number 35-17186-02 is amended in  
its entirety to read as follows:

4. Expiration date January 31, 2002

5. Docket or  
Reference No 030-194986. 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. Americium-241

A. Sealed neutron  
sources (Nuclear  
Sources and  
Services Model AN-  
HP)A. Not to exceed 5  
curies per source

B. Americium-241

B. Sealed neutron  
sources (Gulf  
Nuclear Model NEEI-  
AmBe-71-1)B. Not to exceed 4.6  
curies

C. Cesium-137

C. Sealed sources  
(Gamma Industries  
Model VD(HP) or  
Gulf Nuclear Model  
CSV)C. Not to exceed 2  
curies per source

9. Authorized use:

A. through C. For storage only incident to termination of license.

## CONDITIONS

10. Licensed material may be used at the licensee's facilities located one mile west on  
Highway 64, Cleveland, Oklahoma.

200100

OFFICIAL RECORD COPY

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PDR ADOCK 03019498  
C PDR0/1  
ML40

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

35-17186-02

Docket or Reference Number

030-19498

Amendment No. 05

11. A. Licensed material shall be stored under the supervision of Jeffrey Spess.  
B. The Radiation Safety Officer for this license is Jeffrey Spess.
12. The licensee shall not vacate or release a field office or storage location whose address is identified in Condition 10 for unrestricted use, without prior NRC approval. Reports of residual levels of facility contamination or other information concerning facility status may be required.
13. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
14. 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.  
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
  - (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.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

35-17186-02

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Amendment No. 05

- 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 Nuclear Materials Safety. 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 NDS Products. 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. 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.
16. 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. Letter received July 30, 1984
  - B. Letter dated June 19, 1990
  - C. Letter dated December 18, 1991
  - D. Letter dated December 23, 1991

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JAN 10 1997

By

Original Signed By  
Jacqueline D. BurksNuclear Materials Licensing Branch  
Region IV  
Arlington, Texas 76011



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

January 10, 1997

Precision Logging and Perforating  
ATTN: Jeffrey Spess  
Radiation Safety Officer  
200 South Broadway  
Cleveland, OK 74020

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 35-17186-02. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact the reviewer who signed your license at 817-860-8132.

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,

Original Signed By  
Jacqueline D. Burks

Jacqueline D. Burks  
Health Physicist  
Nuclear Materials Licensing Branch

Docket: 030-19498  
License: 35-17186-02  
Control: 466273

Enclosures: As stated

JAN 10 1997

Precision Logging and Perforating

-4-

DOCUMENT NAME: P:\MLCOVER\LETTER\PRECISIO.MLC

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

RIV:NMLB	N						
JDBurks	<i>JDBurks</i>						
01/10/97							

OFFICIAL RECORD COPY



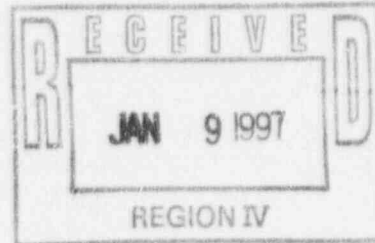
# PRECISION LOGGING & PERFORATING

200 SOUTH BROADWAY  
CLEVELAND, OKLAHOMA 74020  
918-358-3539 / 918-358-5831

Ms. Billie Gruszynski  
Nuclear Materials Licensing Branch  
US NRC  
Region IV  
611 Ryan Plaza Drive Suite 400  
Arlington, Tx. 76011-8064

January 7, 1997

RE: NRC Letter dated 12-18-96  
License: 35-17186-02  
Docket: 030-19498  
Control: 466273



Dear Ms. Gruszynski,

Enclosed is the training certificate you requested. We retained a copy for our files. Please contact me if there is anything I can do to expedite our application.

Sincerely,

Carol Spess  
Managing Partner  
Precision Logging and Perforating  
Cleveland, Ok. 74020

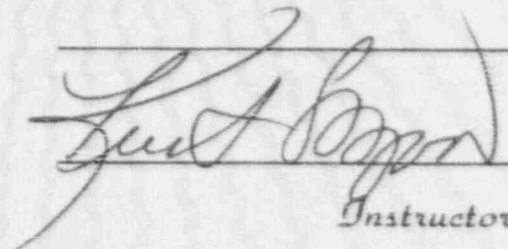
*Support Consultants & Associates, Inc.*

*This is to certify that*  
JEFFREY PHILLIP SPESS

*has successfully completed the Educational Course in*  
RADIATION SAFETY FOR WELL LOGGERS (24 HOURS)  
*as prescribed under The Training Program presented by*  
*Support Consultants & Associates, Inc.*

OCTOBER 29, 1987

GRADE: <sup>Date</sup> 98%

  
Instructor



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

December 18, 1996

Precision Logging & Perforating  
ATTN: Carol Spess  
Managing Partner  
200 South Broadway  
Cleveland, Oklahoma 74020

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: LETTER DATED DECEMBER 11, 1996

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

During the initial processing omissions were identified. These include: You did not provide training certificates for Mr. Spess. The identified information should be provided within 30 days of the date of this letter so that your request can be forwarded for technical review. 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 60 days, unless the technical review identifies:

- Major technical deficiencies
- Decommissioning/decontamination activities are required before an application can be completed
- Confirmatory closeout surveys after decontamination/decommissioning activities are required before a license can be terminated or a facility removed from the license
- Policy issues are identified 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 above.

Sincerely,

Original Signed By  
Billie Gruszynski

Billie Gruszynski (Ms.)  
Nuclear Materials Licensing Branch

License: 35-17186-02  
Docket: 030-19498  
Control: 466273

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:NMLB	N						
NAME	BGruszynski	<i>Bg</i>						
DATE	12/6/96							

# Acceptance Review Check List



## Action Type:

- ☐ New
- ☐ Amendment
- ☐ Renewal

Mail Control

No. 466273

Initials of  
Individual  
Completing  
Form

*kg*

Date: 12/18/97

## Administrative

### Exclusion Items

#### Requiring Return to Applicant:

- ☐ Current Guidance Not Used
- ☐ References in Application Not to Current Regulations
- ☐ All Attachments Referenced Are Not Included
- ☐ Signature Not on Application

#### Technical Exclusion Items Requiring Technical Reviewer Time Estimates:

- ☐ Request for Expedited Handling for Radiation Safety/Business Concerns
- ☐ Request for Exemption to Specific Regulation(s)
- ☐ Change in Ownership Concerns
- ☐ Financial Assurance/DFP Required
- ☐ Decommissioning Plan Review
- ☐ Quality Management Plan
- ☐ Termination of License Requiring NRC Closeout Survey
- ☐ Bankruptcy Notification
- ☐ Approval of Long Term Storage/Alternative Form of Waste Disposal
- ☐ Facility Modifications Requiring Shielding Calculations
- ☐ Authorization to Possess and Use Large Quantities of Unsealed Materials
- ☐ HDR/Gamma Knife
- ☐ Major Increase In Authorized Users
- ☐ Approval Of Training Program
- ☐ Approval of Incineration of Radioactive Waste
- ☐ Authorization For Sealed Source or Device Requiring SSD Approval Review
- ☐ Environmental Assessment or Impact Statement Required
- ☐ Emergency Plan Contingency Plan Required
- ☐ Type A Broad Scope/Complex Research & Development Application

Reviewer: *kg*

#### Estimate of Time Needed:

- ☐ 30 Days ☒ 60 Days ☐ 90 Days ☐ Other

#### Comments:

*Licensee did not provide training certificate*  
*for new RSO.*

## LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH  
DIVISION OF ACCOUNTING AND FINANCE  
OFFICE OF THE CONTROLLER  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001PRECISION LOGGING & PERFORATING  
ATTN: JEFFREY SPESS  
RADIATION SAFETY OFFICER  
200 SOUTH BROADWAY  
CLEVELAND, OK 74020

## TYPE OF ACTION

- ☐ NEW LICENSE  
☐ RENEWAL OF LICENSE  
☒ AMENDMENT TO LICENSE

REQUESTED DATE

12-11-96

LICENSE NUMBER

35-17186-02

CONTROL NUMBER

466273 ATTN: RITA MESSIER, LFARB, T9E10

## I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	
AMOUNT DUE	\$	300.00

☒ Your request was received without the prescribed application fee.

☐ We received your Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

SIGNATURE -- LICENSE FEE ANALYST

RITA MESSIER

LFDCB

REMessier

12/18/96

LFDCB

Distribution: OC/DAF RF  
Pending Fee File OC/DAF/SE(LF-3.2.7)  
LFARB R/F (2) Region *JK*

DATE

12-18-96

(FOR LEMS USE)  
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

Program Code: 03800  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 20020131  
Fee Comments: POSS. ONLY EFF. 1/16/  
Decom Fin Assur Req: N

LICENSE FEE TRANSMITTAL

A. REGION IV

1. APPLICATION ATTACHED

Applicant/Licensee: PRECISION LOGGING & PERFORATING  
Received Date: 9/15/96  
Docket No.: 3019498  
Control No.: 466273  
License No.: 35-17186-02  
Action Type: Amendment

2. FEE ATTACHED

Amount: 4  
Check No.: 4

3. COMMENTS

Signed  
Date

Bilgis Muszynski  
12/16/96

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

1. Fee Category and Amount:

3P \$300

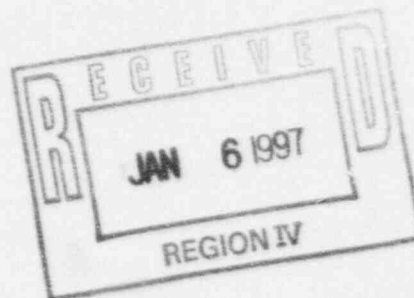
2. Correct Fee Paid. Application may be processed for:

Amendment ✓  
Renewal         
License       

3. OTHER

Signed  
Date

SC 12/31/96



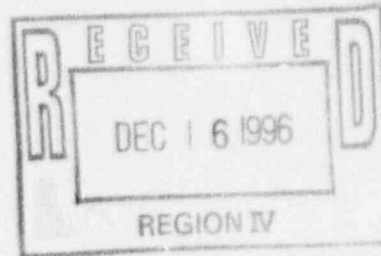
Log	<u>Dec 2 IV</u>
Remitter	
Check No.	<u>6007</u>
Amount	<u>\$300</u>
Fee Category	<u>3P</u>
Type of Fee	<u>Amnd</u>
Date Check Rec'd.	<u>12/31/96</u>
Date Completed	<u>SC</u>
By	



# PRECISION LOGGING & PERFORATING

200 SOUTH BROADWAY  
CLEVELAND, OKLAHOMA 74020  
918-358-3539 / 918-358-5831

December 11, 1996



Mr. Jack Whitten  
Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Tx. 76011-8064

Re: Reassignment of Radiation Safety Officer (RSO) Duties  
Precision Logging and Perforating License Number 35-17186-02

Dear Mr. Whitten:

We would like to inform you of our desire to assign Jeffrey Spess as Radiation Safety Officer and to amend our license accordingly.

Jeffrey's training in radiation safety has been nearly identical to that of Mr. Sparks. He trained to be an open hole logging engineer beginning in January of 1986 to January 1988. At that time he began serving as open hole engineer from October 1988 through September 1989. On October 29, 1987 he completed a three day course in radiation safety conducted by Keith Moon of Support Consultants and Associates Inc. of DeLeon Texas.

As Radiation Safety Officer Jeffrey understands, as do I, that Precision Logging and Perforating's license is for storage only and an inventory of those sources must be performed every six months. Also, prior to transferring those sources to another licensee, Precision Logging and Perforating must leak test them and obtain approval from NRC.

Also, at this time please amend our license to change the expiration date to January 31, 2002, per NRC letter dated May 23, 1996.

Sincerely,  
Precision Logging & Perforating

Carol Spess  
Managing Partner

Jeffrey Spess  
New Radiation Safety Officer

466273