

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.

<p>Licensee</p> <p>1. B.P.B. Instruments, Inc.</p> <p>2. 2404 S. Purdue Avenue Oklahoma City, Oklahoma 73128</p>		<p>In accordance with letter dated April 9, 1997</p> <p>3. License number 35-26895-01 is amended in its entirety to read as follows:</p>	
		<p>4. Expiration date December 31, 1992</p>	
		<p>5. Docket or Reference No 030-30141</p>	
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. Americium-241	A. Sealed neutron sources (Amersham Model AMN.CYN Series or GammaTron, Inc. Model AN-HP)	A. Not to exceed 20 curies per source	
B. Americium-241	B. Sealed neutron sources (Amersham/Gamma Industries (GI) Model NB (HP) or Amersham Model VD (HP))	B. Not to exceed 1 curie per source	
C. Cesium-137	C. Sealed sources (GI - Model VD(HP))	C. Not to exceed 150 millicuries per source	
D. Cesium-137	D. Sealed sources (Amersham Model CDC.CYN Series)	D. Not to exceed 3 curies per source	
E. Americium-241	E. Sealed neutron sources (Amersham Model AMN.PE5)	E. Not to exceed 38 millicuries per source	
F. Americium-241	F. Sealed sources (Amersham Model AMC.61)	F. Not to exceed 4 microcuries per source	

150012



OFFICIAL RECORD ONLY
9705150259 970430
PDR ADOCK 03030141
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

35-26895-01

Docket or Reference Number

030-30141

Amendment No. 03

- | | | |
|---|---|--|
| 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 |
| G. Cesium-137 | G. Sealed sources (Amersham Model CDCQ1953) | G. Not to exceed 25 microcuries per source |
| H. Cesium-137 | H. Sealed sources (3M Model 4F6S) | H. Not to exceed 150 millicuries per source |

9. Authorized use:

- | | |
|---------------|--|
| A. through D. | For use in oil and gas well logging and mineral logging. |
| E. through G. | For use in instrument calibration. |
| H. | For use in above ground applications only. |

CONDITIONS

10. Licensed material may be used at 2404 S. Purdue Avenue, Oklahoma City, Oklahoma, 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. Licensed material shall be used by, or under the supervision and in the physical presence of, Andrew Reynolds, Radiation Safety Officer, or individuals who have been trained as specified in letters dated October 7, 1987, and November 27, 1987. The licensee shall maintain records of individuals designated as users.
12. 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

35-26895-01

Docket or Reference Number

030-30141

Amendment No. 03

13. 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 July 23, 1987
- B. Letter dated October 7, 1987
- C. Letter dated November 27, 1987
- D. Letter dated December 7, 1987
- E. Letter dated January 27, 1989
- F. Facsimile dated February 22, 1989
- G. Letter dated April 27, 1990
- H. Letter dated January 23, 1996

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date APR 30 1997

By

Vivian H. Campbell
Vivian H. Campbell

MCH

Nuclear 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

April 30, 1997

B.P.B. Instruments, Inc.
ATTN: A.P. Reynolds
Radiation Safety Officer
2404 South Purdue Avenue
Oklahoma City, Oklahoma 73128

SUBJECT: LICENSE AMENDMENT

Please find enclosed License No. 35-26895-01. 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 817-860-8100.

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.

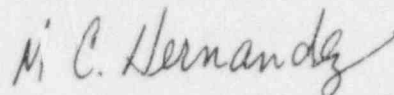
You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of 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.

P.P.B. Instruments, Inc.

-3-

Thank you for your cooperation.

Sincerely,

A handwritten signature in dark ink, appearing to read "Christ Hernandez". The signature is fluid and cursive, with a long horizontal stroke at the end.

Christ Hernandez, Radiation Specialist
Nuclear Materials Licensing Branch

Docket: 030-30141
License: 35-26895-01
Control: 466362

Enclosures: As stated

APR 30 1997

B.P.B. Instruments, Inc.

-4-

DOCUMENT NAME: G:\NMLS.O\MCH\35-26895.MLC

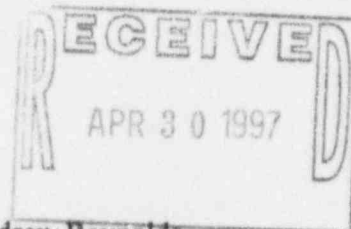
To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:NMLB	N	NMLB	N				
MCHernandez	MCH	VHCampbell	VH				
4/30/97		4/30/97					

OFFICIAL RECORD COPY



Fax Transmittal Sheet



TO: Nuclear Regulatory Commission

FROM: Andrew Reynolds

ATTN: Christy Hernandez

FAX NO.: (405) 685-7501

REF NO.: AR0430-1314

DATE: April 30, 1997

PAGE 1 OF 2 PAGES

MESSAGE:

RE: License 35-26895-01

Control: 465977

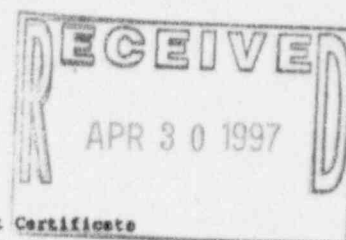
During the period of time that our Evansville, Indiana office was open - 7/1/77 - 1/1/96 - no sources were ever discovered to be leaking. Attached is a copy of the last leak tests run on operating sources in this district, showing no removable contamination.

Andrew Reynolds
RSO

466362

SIEMENS

Customer: 92050



10

Sealed Radioactive Source Leak Test Certificate

Save This Report For Your Records

BPB Instruments
 Attn Glenn Lewis
 1609 B Allens Lane
 Evansville, IN 47710

Isotope	Activity/ Date	Source	Collected By	Analyzed By	Result In uCi
Cs-137	25,000 mCi	Amercham Model: CDCQ1953 Serial: 72GR	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	.0001
Am-241	.050 Ci 3/01/89	Amercham Model: VD-HP Serial: CSV.N26	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	0.0000
Cs-137	.140 Ci 6/24/81	Gamma Industries Model: VD-HP Serial: B435	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	0.0000
Am-241	1.000 Ci 7/21/78	Gamma Industries Model: NR-HP Serial: NB 622	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	0.0000
Cs-137	.150 Ci 4/01/84	Gamma Industries Model: VD-HP Serial: 1660	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	0.0000
Cs-137	.125 Ci 10/14/81	Gamma Industries Model: VD-HP Serial: B 489	Glenn Lewis Collected On: 9/29/95 Using Siemens Q1 kit.	Scott M. Kohlmann Analyzed On: 10/05/95	0.0000

Siemens Medical Systems
 Dosimetry Service

2501 Barrington Road Hoffman Estates, IL 60195-7372 Customer Service Telephone (800) 888-1936



BPB WIRELINE SERVICES

2404 South Purdue
Oklahoma City, OK 73128
Tel. (405) 681-1095
Fax. (405) 685-7501

JAN 25 1996

January 23, 1996

U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Re: License number 35-26895-01

Dear Sir:

This letter is to request removal of our Evansville, IN office from our Radioactive Materials license. This office has been closed and all sources have been transferred to our Oklahoma City office for storage.

Enclosed is a copy of the close-out survey I performed in this office. There was no residual radiation above background measured at any point in the facilities.

Please amend our license accordingly. If you have any questions please contact me at the numbers above.

Yours sincerely,

Andrew Reynolds
Corporate Radiation Safety Officer

466362
yrcd
465077

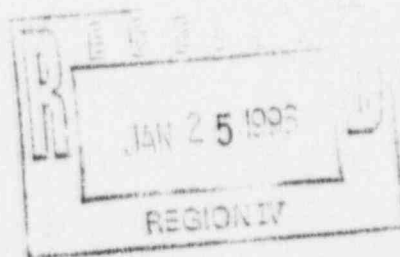
BFB INSTRUMENTS
1609B ALLENS LAKE
EVANSVILLE, IN

CLOSE-OUT

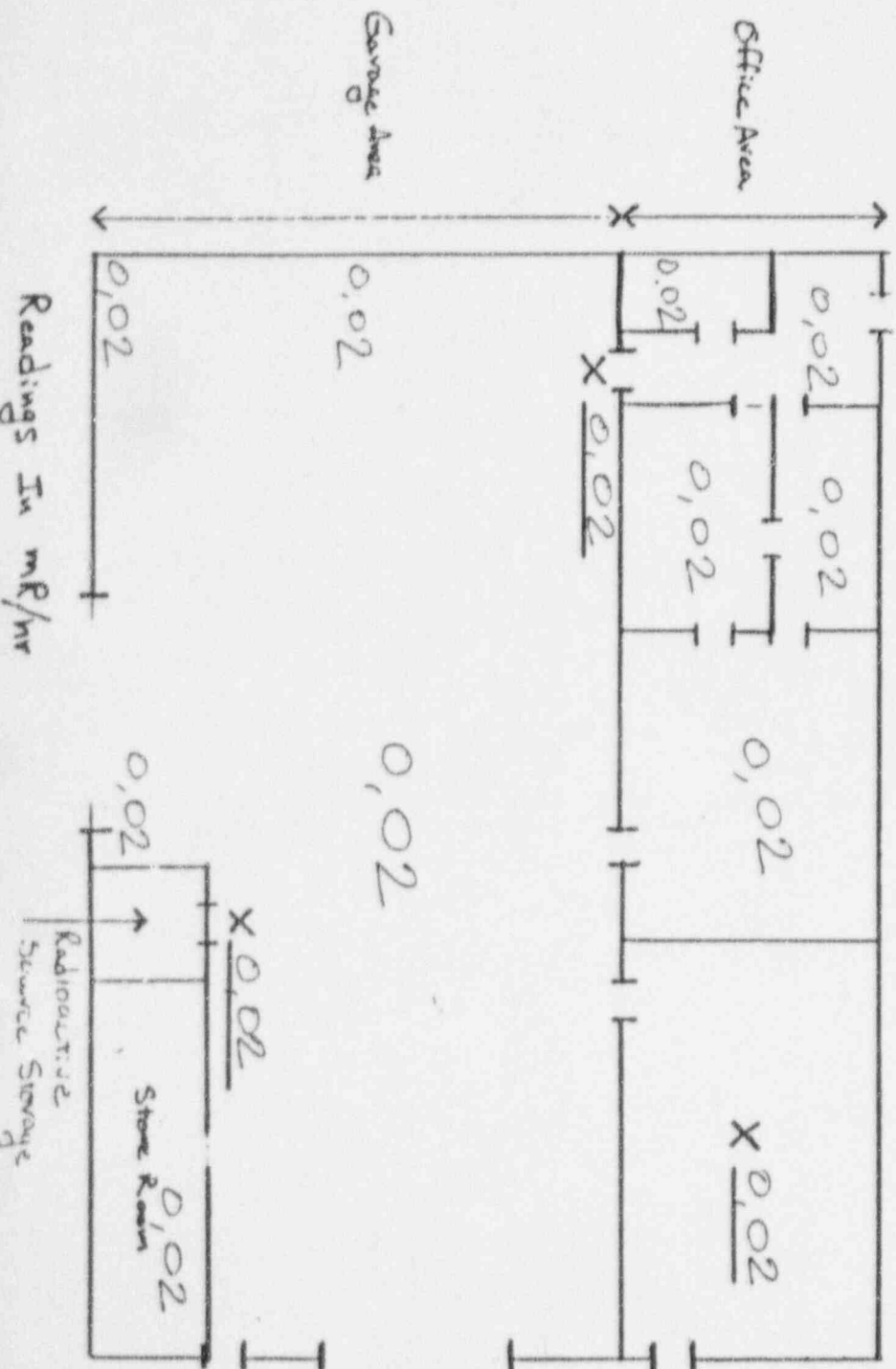
QUARTERLY SHOP SURVEY

Date: JANUARY 7, 1996
Survey Meter #: LUCKY MODEL 3, S/N 62890, CALIBRATED 10/4/95
Operator: REYNOLDS

AP Reynolds



466362
~~465077~~





UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV

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

April 22, 1997

BPB Instruments, Inc.
ATTN: Andrew Reynolds
Radiation Safety Officer
2404 South Purdue Avenue
Oklahoma City, Oklahoma 73128

SUBJECT: ACKNOWLEDGMENT OF REQUEST FOR LICENSING ACTION

REFERENCE: LETTER DATED APRIL 9, 1997

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

During the initial processing, no omissions/deficiencies were identified. 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.

BPB Instruments, Inc.

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

Sincerely,

Original Signed By
Billie Gruszynski

Billie Gruszynski (Ms.)
Nuclear Materials Licensing Branch

License: 35-26895-01
Docket: 030-30141
Control: 466362

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	4/22/97						

Acceptance Review Check List



Action Type:

- ☐ New
☒ Amendment
☐ Renewal

Initials of
Individual
Completing
Form

kg

Date: 4/22/99

Mail Control

No. 466362

Administrative

Exclusion Items

Requiring Return to Applicant:

O.K.

- ☐ 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: _____

Estimate of Time Needed:

☐ 30 Days ☐ 60 Days ☐ 90 Days ☐ Other

Comments:

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03111
Status Code: 2
Fee Category: 5A
Exp. Date: 19921231
Fee Comments:
Decom Fin Assur Req'd: N

1027 APR 11 PM 3:29

LICENSE FEE TRANSMITTAL

A. REGION IV

1. APPLICATION ATTACHED

Applicant/Licensee: BPP INSTRUMENTS, INC.
Received Date: 970410
Docket No: 3030141
Control No.: 466362
License No.: 35-26895-01
Action Type: Amendment

2. FEE ATTACHED

Amount: \$640.00
Check o.: 35321

3. COMMENTS

Signed
Date

Billie Grzegynski
4/10/97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered ☒)1. Fee Category and Amount: 5A \$640

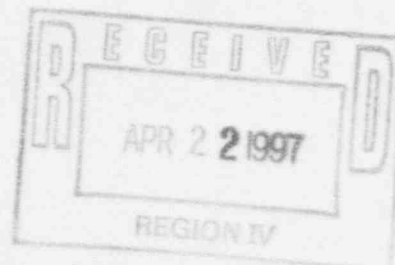
2. Correct Fee Paid. Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

Lita Messier
4/13/97

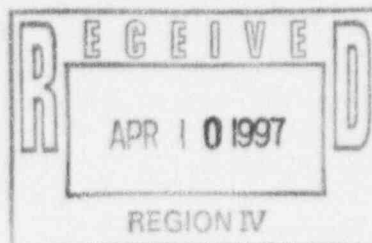


Log	<u>Apr 2 IV</u>
Revised	
Check No.	<u>35321</u>
Amount	<u>\$640</u>
Fee Category	<u>5A</u>
Type	<u>amd</u>
Det. Sent Rec'd.	
Completed	<u>4/12/97</u>
By	<u>Lema</u>



BPB WIRELINE SERVICES

2404 South Purdue
Oklahoma City, OK 73126-1826
Tel. (405) 681-1095
Fax. (405) 685-7501



April 9, 1997

U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Attn: Licensing

Re: License 35-26895-01 Amendment

Dear Sir:

Would you kindly amend the above referenced license to include the following sources:

Manufacturer	Model Number	Isotope	Strength (Ci)	Number of sources
GammaTron, Inc	AN-HP	Am-241/Be	5	Not to exceed 10
Amersham Int'l	CDC.CY8	Cs-137	0.15	Not to exceed 5

These sources are to be used in oil and gas exploration, below ground. Each source meets the specification for well logging and each will be individually tested to 25,000 psi.

We would appreciate your speedy attention to this matter if possible, so that we may place an order for these sources.

A check in the amount of \$640.00 is attached for the amendment fee.

If you have any questions please contact me at the numbers above.

Sincerely,

Andrew Reynolds, RSO