

# APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

**APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS  
WASHINGTON, DC 20545

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:**

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
NUCLEAR MATERIALS SAFETY SECTION B  
631 PARK AVENUE  
KING OF PRUSSIA, PA 19606

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
NUCLEAR MATERIALS SAFETY SECTION  
101 MARIETTA STREET, SUITE 2900  
ATLANTA, GA 30323

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
MATERIALS LICENSING SECTION  
790 ROOSEVELT ROAD  
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
MATERIAL RADIATION PROTECTION SECTION  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
NUCLEAR MATERIALS SAFETY SECTION  
1460 MARIA LANE, SUITE 210  
WALNUT CREEK, CA 94606

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item.)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>52-25008-1</u></p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)</p> <p>PRODUCTOS CIRCUITOS DE PUERTO RICO P.O. BOX 1415 JUANA DIAZ, PR 00665-1415</p>
--	--

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

PRODUCTOS CIRCUITOS DE PUERTO RICO  
ROAD 149 KM. 66.7  
JUANA DIAZ, PR 00665

<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>OSVALDO GONZALEZ</p>	<p>TELEPHONE NUMBER (809) 837-2225</p>
---	--

SUBMIT ITEMS 6 THROUGH 11 ON 8 1/2 x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

<p>5. RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>
<p>9. FACILITIES AND EQUIPMENT</p>	<p>10. RADIATION SAFETY PROGRAM</p>
<p>11. WASTE MANAGEMENT</p>	<p>12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY <u>3P</u> AMOUNT ENCLOSED \$ <u>60</u></p>

13. CERTIFICATION (Must be completed by applicant): THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

<p>SIGNATURE—CERTIFYING OFFICER <i>Mark H. Ihrig</i></p>	<p>TYPED/PRINTED NAME MARK H. IHRIG</p>	<p>TITLE GENERAL MANAGER</p>	<p>DATE 10-20-88</p>
--	---	----------------------------------	--------------------------

<p>14. VOLUNTARY ECONOMIC DATA</p>		<p>a. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)</p>																
<p>a. ANNUAL RECEIPTS</p> <table border="1"> <tr><td><input type="checkbox"/></td><td>&lt;\$250K</td></tr> <tr><td><input type="checkbox"/></td><td>\$250K—500K</td></tr> <tr><td><input type="checkbox"/></td><td>\$500K—750K</td></tr> <tr><td><input type="checkbox"/></td><td>\$750K—1M</td></tr> </table>	<input type="checkbox"/>	<\$250K	<input type="checkbox"/>	\$250K—500K	<input type="checkbox"/>	\$500K—750K	<input type="checkbox"/>	\$750K—1M	<p>b. NUMBER OF EMPLOYEE (Total for entire facility excluding outside contractors)</p> <table border="1"> <tr><td><input type="checkbox"/></td><td>\$1M—3.5M</td></tr> <tr><td><input type="checkbox"/></td><td>\$3.5M—7M</td></tr> <tr><td><input type="checkbox"/></td><td>\$7M—10M</td></tr> <tr><td><input type="checkbox"/></td><td>&gt;\$10M</td></tr> </table>	<input type="checkbox"/>	\$1M—3.5M	<input type="checkbox"/>	\$3.5M—7M	<input type="checkbox"/>	\$7M—10M	<input type="checkbox"/>	>\$10M	<p>c. NUMBER OF BEDS</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<input type="checkbox"/>	<\$250K																	
<input type="checkbox"/>	\$250K—500K																	
<input type="checkbox"/>	\$500K—750K																	
<input type="checkbox"/>	\$750K—1M																	
<input type="checkbox"/>	\$1M—3.5M																	
<input type="checkbox"/>	\$3.5M—7M																	
<input type="checkbox"/>	\$7M—10M																	
<input type="checkbox"/>	>\$10M																	

<p>FOR NRC USE ONLY</p>			
<p>TYPE OF FEE <i>Amel</i></p>	<p>FEE LOU <i>Ref. 4-II</i></p>	<p>FEE CATEGORY <i>3P</i></p>	<p>COMMENTS 9002090347 B90403 REG LIC30 52-25008-01 PDR</p>
<p>AMOUNT RECEIVED <i>\$60</i></p>	<p>CHECK NUMBER <i>06423</i></p>	<p>APPROVED BY <i>Mr. Hussain</i> DATE <i>10/20/88</i></p>	

**FORMAL TRAINING IN RADIATION SAFETY AND EXPERIENCE**  
( Ref:NRC Form 313, Items 7 & 8 )

This is to certify that the following individuals have attended the Glenbrook Technologies' Radiation Safety Course in accordance with the course descriptions on file with the US Nuclear Regulatory Commission (for lixiscope training).

Names (Type or Print in ink.)

Signatures

<u>REINALDO RUIZ</u>	<u>[Signature]</u>
<u>Carlos Martinez</u>	<u>[Signature]</u>
<u>ROSALINA FEDES</u>	<u>[Signature]</u>

Company Name: Productos Circuitos de Puerto Rico  
Address: P.O. Box 1415 Road 149 Km 66.7  
City, State, Zip: Juana Diaz, P.R. 00656  
Telephone No.: 809/837-2225

A brief biography of the individuals listed above is attached. This also certifies that these individual(s) have personally operated a working iso-fluoroscope under supervision, in the aforementioned course.

The applicant and any instructor executing this certificate on behalf of the 3 person(s) listed above, certify that this document is prepared in conformity with Title 10, U.S. Code of Federal Regulations, and that all information contained herein is true and correct to the best of our knowledge and belief.

WARNING: 18 U.S.C., Sec. 1001; Act of 8/25/48: 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Certification by: Glenbrook Technologies, Inc.  
Morris Plains, NJ 07950  
U.S.N.R.C. Lic. No. 29-21464-01

Instructor: Gilbert Zweig

[Signature]  
(signature)

Date training was completed on: Oct. 20, 1988

**FORMAL TRAINING IN RADIATION SAFETY AND EXPERIENCE**  
( Ref:NRC Form 313, Items 7 & 8 )

This is to certify that the following individuals have attended the Glenbrook Technologies' Radiation Safety Course in accordance with the course descriptions on file with the US Nuclear Regulatory Commission (for lixiscope training).

Names (Type or Print in ink.)

Signatures

OSVALDO GONZALEZ

Osvaldo Gonzalez (R.S.O.)

Company Name:

Productos Circuitos de Puerto Rico

Address:

P.O. Box 1415 Road 149 Km 46.7

City, State, Zip:

Juana Diaz P.R. 00656

Telephone No.:

(809) 837-2225 - 2265

A brief biography of the individuals listed above is attached. This also certifies that these individual(s) have personally operated a working iso-fluoroscope under supervision, in the aforementioned course.

The applicant and any instructor executing this certificate on behalf of the \_\_\_\_\_ person(s) listed above, certify that this document is prepared in conformity with Title 10, U.S. Code of Federal Regulations, and that all information contained herein is true and correct to the best of our knowledge and belief.

WARNING: 18 U.S.C., Sec. 1001; Act of 6/25/48: 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Certification by: Glenbrook Technologies, Inc.  
Morris Plains, NJ 07950  
U.S.N.R.C. Lic. No. 29-21464-01

Instructor: Gilbert Zweig

Gilbert Zweig  
(signature)

Date training was completed on:

Oct. 20, 1988



# Glenbrook Technologies Inc.

## CERTIFICATE OF LEAK TEST

Customer:

Westinghouse

Source Serial No.: 9710

Isotope: Iodine-125

Manufacturer: AECL

Activity: 200 mCi.

Assay Date: 9/19/88

Source Head S/N 2648

This is to certify that the leak test on the above source was performed

by AECL on 9/12/88  
(Testing facility) (Date)

and validated by DON BONHOWER of that facility.

It was determined that the level of removable contamination was below 0.005 microcuries.

The original certificate is on file at GLENBROOK TECHNOLOGIES

NOTE: Removable contamination of 0.005 microcuries or greater constitutes a leaking source.

Date 9/19/88

Signed William S. Horn

Glenbrook Technologies Inc.

GLENBROOK TECHNOLOGIES' ASSURANCE OF QUALITY  
PRODUCT TEST REPORT

PRODUCT: RT-1130 Real Time X-Ray Work Station  
SERIAL #: 2773  
TECHNICIAN: William G. Horn  
TEST DATE: 9/15/88

This product has passed all tests assuring proper operation  
and safety before shipping from Glenbrook Technologies.

SIGNATURE OF TECHNICIAN:

*William G. Horn*

P.O. Box 262 Morris Plains, N.J. 07950 U.S.A

PLEASE NOTE THIS CHANGE:  
New Phone # (201) 361-8866  
New FAX # (201) 361-9286  
Telex 219744 ICC UR

219744

**Radioactive Material**

[ Ref: NRC Form 313, Item 5 ]

Element and mass number: Iodine-125

Chemical and/or physical form: Sealed, solid source.

Maximum amount which will  
be possessed at any one time: 500 mCi per device.

Name of Manufacturer and Model Number: Sealed sources model nos.;  
Amersham IMC.P2 or AECL C.324

**Purpose(s) for which licensed material will be used.**

[Ref: NRC Form 313, Item 6 ]

The radioactive material will be used in the Glenbrook models no. RT-112 or RT-113 real time x-ray systems (employing a Iixi LS-B2-X iso-fluoroscope) for the inspection of multi-layer printed circuit boards.



CONVERSATION RECORD

TIME

134

DATE

7/28/87

TYPE

VISIT

CONFERENCE

TELEPHONE

INCOMING

OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

JOHN SWANIK

ORGANIZATION (Office, dept., bureau, etc.)

R50 KAISER ALUMINUM

TELEPHONE NO.

SUBJECT

License Amendment (304) 273-6607 #9

SUMMARY

I ADVISED MR. SWANIK THAT THE IMS GAUGES WERE GENERALLY LICENSED DEVICES AND WERE NOT REQUIRED TO BE LISTED ON A SPECIFIC LICENSE. HE STATED THAT IF LISTING THE GAUGES ON THE SPECIFIC LICENSE WAS NOT REQUIRED, ONLY THE NAMES CHANGES ON THE AMENDMENT REQUEST SHOULD BE ACTED UPON.

ACTION REQUIRED

Amend license 47-1423-01

NAME OF PERSON DOCUMENTING CONVERSATION

MP Elliott

SIGNATURE

Mark P. Elliott

DATE

7/29/87

ACTION TAKEN

License amended to change names - Diversified gauges

SIGNATURE

MP Elliott

TITLE

DATE