

VOID SHEET

63034128

TO: License Fee Management Branch

FROM: Region I

SUBJECT: VOIDED APPLICATION

67
23835

Control Number: 123835

Applicant: TGM Detectors, Inc.

Date Voided: 12/19/96

Reason for Void: Combined with Amendment Control 123985 for License
No. 29-30299-01 (030-34128). Before review.

M.A. Perkins 12/23/96
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMS USE ONLY

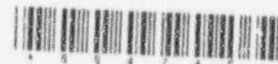
Final Review of VOID Completed:

Refund Authorized and processed

☒ No Refund Due

Fee Exempt or Fee Not Required

Comments: ~~XXXXXXXXXX~~ 630060 Log completed



Processed by: AS

Combined w/ Control

123985 - no money

ever submitted

OFFICIAL RECORD COPY **ML 10**

MATERIALS LICENSE

Amendment No. 01

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.

FEES COPY

Licensee

1. Artisan Electronics, Inc.

2.5 Eastmans Road
Parrsippány, New Jersey 07054

In accordance with the letter dated

December 3, 1996,

3. License Number 29-30299-01 is amended in
its entirety to read as follows:

4. Expiration Date May 31, 2001

5. Docket or
Reference No. 030-34128/20-14079-026. 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. Krypton-85

A. Sealed source
(General Nucleonics,
Inc. Model No. 0000750)A. Not to exceed 250 mCi per
source and 500 mCi total

B. Americium-241

B. Sealed source
(Amersham Model No.
AMC 63)B. Not to exceed 1.0 uCi per
source and 1.0 uCi total

C. Californium-252

C. Sealed source
(Isotope Products Model
No. N252)C. Not to exceed 50 uCi per
source and 150 uCi total

9. Authorized use

- A. For use as a constancy check source for the testing of radiation detectors.
B. and C. For use in testing of radiation detectors.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 5 Eastmans Road, Parsippany, New Jersey.
11. A. Licensed material shall be used by, or under the supervision of James E. Nering.
B. The Radiation Safety Officer for this license is James E. Nering.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
13. 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 are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

29-30299-01

Docket or Reference Number

030-34128

Amendment No. 01

- 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 test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only a 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 transfer 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.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. 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 and the source shall be removed 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 I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. 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.
14. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

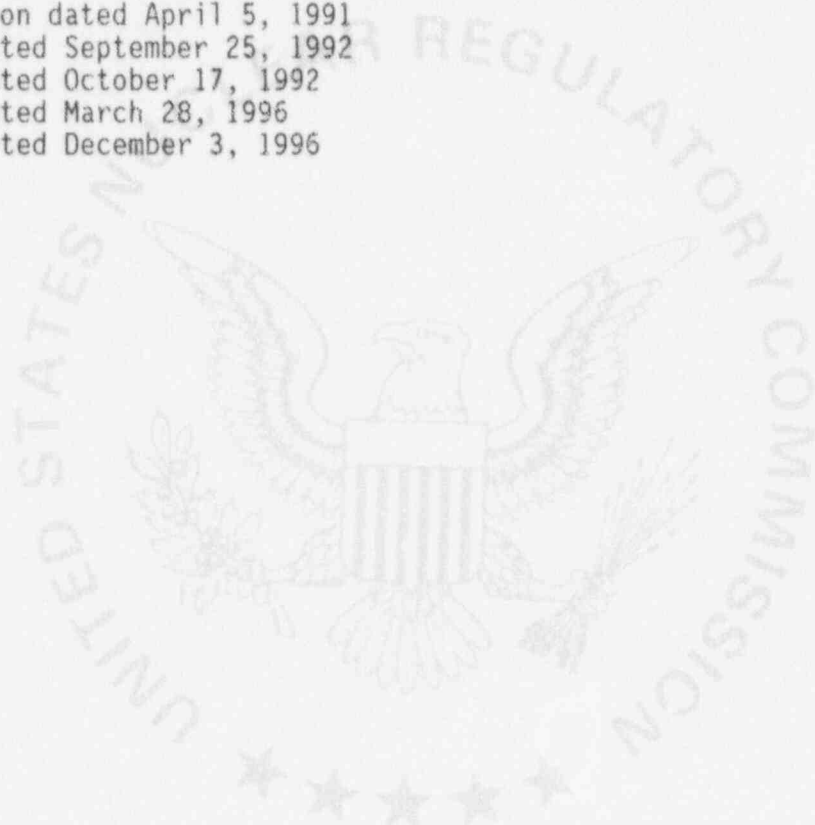
29-30299-01

Docket or Reference Number

030-34128

Amendment No. 01

15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
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. Application dated April 5, 1991
 - B. Letter dated September 25, 1992
 - C. Letter dated October 17, 1992
 - D. Letter dated March 28, 1996
 - E. Letter dated December 3, 1996



For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:
JO ANN V. STAMBAUGH

Date JAN 24 1997

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

NOTE TO DOCUMENT MANAGEMENT BRANCH (DMB):

THE ATTACHED DOCUMENTS ARE TO BE PROCESSED AS ONE
MATERIALS LICENSING PACKAGE.

LICENSE NUMBER 29-30299-01

DOCKET NUMBER 830-34/28

CONTROL NUMBER 123985

THIS SHEET MAY BE DISCARDED AFTER PROCESSING.

THANK YOU.

LAT, DNMS, REGION I

MATERIALS LICENSE

Amendment No. 01

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.

OFFICIAL RECORD COPY

<p>Licensee</p> <p>1. Artisan Electronics, Inc.</p> <p>2. 5 Eastmans Road Parsippany, New Jersey 07054</p>		<p>In accordance with the letter dated December 3, 1996, 3. License Number 29-30299-01 is amended in its entirety to read as follows:</p>	
		<p>4. Expiration Date</p> <p>May 31, 2001</p>	
		<p>5. Docket or Reference No.</p> <p>030-34128/20-14079-02</p>	
<p>6. Byproduct, Source, and/or Special Nuclear Material</p> <p>A. Krypton-85</p> <p>B. Americium-241</p> <p>C. Californium-252</p>	<p>7. Chemical and/or Physical Form</p> <p>A. Sealed source (General Nucleonics, Inc. Model No. 0000750)</p> <p>B. Sealed source (Amersham Model No. AMC 63)</p> <p>C. Sealed source (Isotope Products Model No. N252)</p>	<p>8. Maximum Amount that Licensee May Possess at Any One Time Under This License</p> <p>A. Not to exceed 250 mCi per source and 500 mCi total</p> <p>B. Not to exceed 1.0 uCi per source and 1.0 uCi total</p> <p>C. Not to exceed 50 uCi per source and 150 uCi total</p>	
<p>9. Authorized use</p> <p>A. For use as a constancy check source for the testing of radiation detectors.</p> <p>B. and C. For use in testing of radiation detectors.</p>			

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 5 Eastmans Road, Parsippany, New Jersey.
11. A. Licensed material shall be used by, or under the supervision of James E. Nering.
B. The Radiation Safety Officer for this license is James E. Nering.
12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
13. 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 are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

ML 10

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

29-30299-01

Docket or Reference Number

030-34128

Amendment No. 01

- 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 test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only a 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 transfer 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.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. 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 and the source shall be removed 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 I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. 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.
14. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

29-30299-01

Docket or Reference Number

030-34128

Amendment No. 01

15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
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. Application dated April 5, 1991
 - B. Letter dated September 25, 1992
 - C. Letter dated October 17, 1992
 - D. Letter dated March 28, 1996
 - E. Letter dated December 3, 1996

For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:
JO ANN V. STAMBAUGH

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

Date

JAN 24 1997

JAN 24 1997

Mr. Paul A. Roba
Artisan Electronics, Inc.
5 Eastmans Road
Parsippany, NJ 07054

Dear Mr. Roba:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

JoAnn V. Stambaugh
Division of Nuclear Materials Safety

License No. 29-30299-01
Docket No. 030-34128
Control No. 123985

Enclosure:
Amendment No. 01

DOCUMENT NAME: R:\WPS\MLTR\L2930299.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs						
DATE	12/27/96 1/3/97		12/ /96		12/ /96		12/ /96

OFFICIAL RECORD COPY ML 10

TELEPHONE CONVERSATION RECORD		Date:	Time:
CONTROL No. 123985		1/3/96 ⁷	114m
Person Called:	Organization:	Telephone (201) Number:	
Paul A. Robb	Artisan Electronics	Lic 8873045	
Person Calling: J. Seabrough			
Subject: Lic Amendment			
Summary:			
<p>Discussed the change of name - Mr. Robb stated that there is not a change of ownership also that the sources are being stored in the same location as TGM, Detectors. Licensee will amend their license if the use + storage locations change in the future.</p>			
License No. 29-30299-01		Docket No. 030-34128	
Action Required/Taken: None			
Signature: J. Seabrough		Date: 1/3/96 ⁷	

OFFICIAL RECORD COPY

ML 10



TGM DETECTORS, Inc.

5 EASTMANS ROAD, PARSIPPANY, NJ 07054
TEL: (201) 887-8400 FAX: (201) 887-4732

Kyriakos Tsorbatsoglou
TGM Detectors, Inc.
5 Eastmans Road
Parsippany, NJ 07054
October 10, 1996

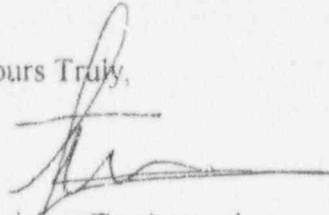
Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415
Attn: John D. Kinneman
Nuclear Materials Safety Branch 2
14079-2

Ref: Lic. No: 29-30299-01
Docket No: 030-34128/~~20~~

Dear Sir:

I would like to inform you that as of 10-10-96 I will no longer be the Radiation Safety Officer for TGM Detectors, Inc. Lic. No. 2930299-1. Future correspondence should be addressed to Jim Neering who will be assuming the duties of Radiation Safety Officer.

Yours Truly,


Kyriakos Tsorbatsoglou

COMBINED WITH 123985
VOIDED 12/18/96 123835

OCT 17 1996

OFFICIAL RECORD COPY ML 10

REC'D IN LAS 10-29-96

030-34128

December 3, 1996

Mr. John D. Kinnman
Chief Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
United States Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Dear Mr. John D. Kinnemen:

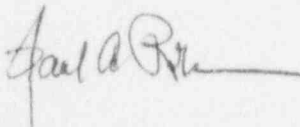
TGM Detectors, Inc./Artisan Electronics, Inc. is applying to the NRC to amend and transfer its current license (#29-30299-01) maintained by TGM Detectors, Inc. to Artisan Electronics, Inc. Both TGM Detectors, Inc. and Artisan Electronics are 100% owned by the Morgan Crucible Corp., and occupy the same premises. This request is being made in an effort to consolidate our operations. TGM Detectors, Inc. and Artisan Electronics, Inc. manufacture radiation detectors and survey meters receptively, and will continue to use these sources for calibration purposes. We further apply to have Mr. James E. Nering be named to replace Mr. Kyriakos Tsorbatzoglou as Radiation Safety Officer. A copy of his relevant credentials is attached.

As a corporation, Artisan Electronics agrees to all the Conditions of the existing license of TGM Detectors, Inc.

I would appreciate your help in expediting this matter. Thank you in advance for your assistance.

Enclosed, please find our check in the amount of \$300.00 to cover the amendment fee.

Sincerely,



Paul A. Roba

OFFICIAL RECORD COPY ML 10

1 2 3 9 8 5
DEC - 4 1996

Experience:

1994 - 1996; AlliedSignal Corp. - Micro-Optical Devices, Elizabeth, N.J. 07201 - New Product Development Team Leader

Managed the development of state-of-the-art image recognition systems (\$2MM), sophisticated, highly user-friendly optical test equipment (real-time, on-line), and optical processes development of photo-lithography. Developed all manufacturing inspection process operations (20 member team) for both cosmetic and optical product performance, including SPC, control plans, and an innovative bar coded, real time QA data collection system. Was selected to attend AlliedSignal's PIL (Process Improvement Leadership), DOE, TQL, and Break-Through Management training.

1991 - 1994; Control Instruments Corp. Fairfield, N.J. 07004 - Engineering Manager

Managed Engineering Department for an instrumentation company producing a full line of portable and stationary gas detection systems (ppm to LFL - Lower Flammability Limit levels) used in process control, area monitoring, and CEMS. Responsible for all new product, systems, and applications development. Developed one of the industry's most versatile portable organic pollution monitors (ViewPort). Also, developed an inexpensive natural gas odorant monitor used by gas utilities.

1988 - 1991; Personal Diagnostics, Inc. LYDO Precision, Mountain Lakes, NJ -- Engineering Manager

Engineering manager for a division of a medical device development and manufacturing company (FDA GMP). Developed the following products: High speed automated immunoassay analyzer using an innovative cuvette design and unique two position front surface (EPI) fluorometer. Familiar with UL, CSA, FCC, and IEC601 compliance standards.

1982 - 1988; AELabs, Inc., Princeton, NJ - Engineering Manager

Managed engineering and research program for a development oriented company engaged in system engineering and experimental research in space borne nuclear power systems. This consisted of design, installation and operation of large and sophisticated laboratory equipment (ion accelerator, vacuum systems and related instrumentation), system engineering and applied research. Areas of technical expertise: particle detection; instrumentation; vacuum systems, and cryogenics. Program Manager for U.S. Air Force contracts; thoroughly familiar with FAR and DOD contract management and negotiation procedures.

1979 - 1982; Princeton Gamma Tech, Princeton, NJ - Project Manager

Developed new products and instrumentation systems: portable solid state high sensitivity gamma ray detector, and high sensitivity Si(Li) X-ray. Developed and installed an ion implantation system. Worked with a variety of calibration sources (alpha, beta, gamma, and neutron) as well as designed source holders and shielding systems.

1973 - 1979; United Sciences, Inc., Princeton, NJ - Project Engineer

Design and installation of research apparatus for the development of an advanced type of power reactor. Responsible for the design and fabrication of pressure and vacuum vessels; UHV vacuum systems; nuclear particle detection systems. Worked with Am-241 calibration sources. Trained support staff in the safe handling and usage of radioactive materials. Designed and installed radiation survey and interlock systems for 3 Mev particle accelerator. Expanded business activities to include research and consulting in electron beam treatment of industrial wastes and chemical processing, and the manufacturing of scintillating plastics for radiation detection.

EDUCATION:

Newark College of Engineering, BS Engineering Science -- Physics; minor M.E. and E.E., 1971

Rutgers University Graduate School, Physics, 1973

Massachusetts Institute of Technology, Technology Management, 1976

Professional Engineer, State of New Jersey

PATENTS:

Co-inventor of two patents in ionized gas confinement.

PUBLICATIONS:

Over 30 presentations and publications

PROFESSIONAL SOCIETIES:

Member: IEEE Engineering Management Society & Past President Power Engineering Society, American Physical Society, and American Vacuum Society

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 20555-0001TGM DETECTORS, INC.
ATTN: KYRIAKOS TSORBATSOGLOU
5 EASTMANS ROAD
PARSIPPANY, NJ 07054

TYPE OF ACTION

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

REQUESTED DATE

10-10-96

LICENSE NUMBER

29-30299-01

CONTROL NUMBER

123835

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

0.00

AMOUNT DUE

\$ 300.00

II. FEE NOT REQUIRED

- ☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:
- ☐ We received your Check No. _____ in payment of the fee.
- ☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.
- ☐ Your request was combined, prior to review, with your request, Control No. _____.

III. CHECK RETURNED

Enclosed is Check No. _____ which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
☐ ACCOUNT CLOSED
☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

- ☐ License No. _____ Amendment No. _____, issued on _____, was issued without the required fee being collected. The fee required is noted in Section I of this form.
- ☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).
- ☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

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

LFDCB

LFDCB

BRENDA BROWN 301-415-6055

12/4/96

Distribution:

Region I LFARS R/F
Pending OC/DAF R/F
BROWN OC/DAF S/P (LF-3.2.7)

DATE

12-4-96

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03122
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20010531
FEE COMMENTS: -----
DECOM FIN ASSUR REQ: N
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: TGM DETECTORS, INC.
RECEIVED DATE: 961029
DOCKET NO: 3034128
CONTROL NO.: 123835
LICENSE NO.: 29-30299-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: -----
CHECK NO.: -----

3. COMMENTS

SIGNED
DATE

Arfergo J. Brown

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / ☒)

1. FEE CATEGORY AND AMOUNT: 3P -----

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED
DATE

5(97)

Log	<i>Nov 1</i>
Remitter	-----
Check No.	-----
Amount	-----
Fee Category	<i>3P</i>
Type of Fee	<i>AM</i>
Check Rec'd	-----
Date Completed	-----

Per Mike Perkins

*Return to KI to be voided
Take combined with Control 123935
I deleted MS-04, entered*

*MS-07 for 12/19/96 in order for
LTS to accept dec.*

12/16/97

1996 NOV 12 PM 2:15

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03122
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20010531
FEE COMMENTS: -----
DECOM FIN ASSUR REQ: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: TGM DETECTORS, INC.
RECEIVED DATE: 961204
DOCKET NO: 3034128
CONTROL NO.: 123985
LICENSE NO.: 29-30299-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$300.00
CHECK NO.: 14220

3. COMMENTS

SIGNED Brown Rebecca J.
DATE 12/18/96

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1 1)

1. FEE CATEGORY AND AMOUNT: 3P \$300

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED -----
DATE -----

1996 DEC 23 PM 1:24

1/6/97

2 (97)
Jan 5
Check No. 14220
Amount \$300
Fee Category 3P
Type of Fee Amend
Date Check Rec'd 1/6/97
D. To Completed
By: RB

James E. Nering
28 Cromwell Parkway
Summit, N.J. 07901

Curricula Vita

Experience:

1994 - 1996; AlliedSignal Corp. - Micro-Optical Devices, Elizabeth, N.J. 07201 - New Product Development Team Leader

Managed the development of state-of-the-art image recognition systems (\$2MM), sophisticated, highly user-friendly optical test equipment (real-time, on-line), and optical processes development of photo-lithography. Developed all manufacturing inspection process operations (20 member team) for both cosmetic and optical product performance, including SPC, control plans, and an innovative bar coded, real time QA data collection system. Was selected to attend AlliedSignal's PIL (Process Improvement Leadership), DOE, TQL, and Break-Through Management training.

1991 - 1994; Control Instruments Corp. Fairfield, NJ 07004 - Engineering Manager

Managed Engineering Department for an instrumentation company producing a full line of portable and stationary gas detection systems (ppm to LFL - Lower Flammable Limit levels) used in process control, area monitoring, and CEMS. Responsible for all new product, systems, and applications development. Developed one of the industry's most versatile portable organic pollution monitors (ViewPort). Also, developed an inexpensive natural gas odorant monitor used by gas utilities.

1988 - 1991; Personal Diagnostics, Inc. LYDO Precision, Mountain Lakes, NJ -- Engineering Manager

Engineering manager for a division of a medical device development and manufacturing company (FDA GMP). Developed the following products: High speed automated immunoassay analyzer using an innovative cuvette design and unique two position front surface (EPI) fluorometer. Familiar with UL, CSA, FCC, and IEC601 compliance standards.

1982 - 1988; AELabs, Inc., Princeton, NJ - Engineering Manager

Managed engineering and research program for a development oriented company engaged in system engineering and experimental research in space borne nuclear power systems. This consisted of design, installation and operation of large and sophisticated laboratory equipment (ion accelerator, vacuum systems and related instrumentation), system engineering and applied research. Areas of technical expertise: particle detection; instrumentation; vacuum systems; and cryogenics. Program Manager for U.S. Air Force contracts; thoroughly familiar with FAR and DOD contract management and negotiation procedures.

1979 - 1982; Princeton Gamma Tech, Princeton, NJ - Project Manager

Developed new products and instrumentation systems: portable solid state high sensitivity gamma ray detector, and high sensitivity Si(Li) X-ray. Developed and installed an ion implantation system. Worked with a variety of calibration sources (alpha, beta, gamma, and neutron) as well as designed source holders and shielding systems.

1973 - 1979; United Sciences, Inc., Princeton, NJ - Project Engineer

Design and installation of research apparatus for the development of an advanced type of power reactor. Responsible for the design and fabrication of pressure and vacuum vessels, UHV vacuum systems; nuclear particle detection systems. Worked with Am-241 calibration sources. Trained support staff in the safe handling and usage of radioactive materials. Designed and installed radiation survey and interlock systems for 3 Mev particle accelerator. Expanded business activities to include research and consulting in electron beam treatment of industrial wastes and chemical processing, and the manufacturing of scintillating plastics for radiation detection.