

03031011

VOID SHEET

TO: License Fee Management Branch
FROM: PTI
SUBJECT: VOIDED APPLICATION

Control Number: 275747
Applicant: JPS Elastomeric
Date Voided: 3/21/94
Reason for Void: Specific license
not required - no review done -
please return fee - see letter
dated Mar 8, 1994

Oran O. Heim 3/21/94
Signature Date

Attachment:
Official Record Copy of
Voided Action

PDR LFMB USE ONLY

Final Review of VOID Completed:

- Refund Authorized and processed
- No Refund Due
- Fee Exempt or Fee Not Required

Comments: _____

Log completed
Processed by: kim

310053

9404040183 940321
PDR ADOCK 03031011
C PDR

ML20/1



March 8, 1994

Mr. Jay L. Henson
US NRC, Region 2
Nuclear Materials Licensing Section
Radiation Safety & Safeguards Division
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323-0199

Fax: 404-331-4449

Re: Docket No. 030-31011
License No. 45-25040-01
Control No. 255747

Dear Mr. Henson:

With this letter and attachments, we are requesting abandonment of the above mentioned license renewal applications, conversion to general license status, and refunding of application fees.

The following are enclosed:

1. NRC Form 314
2. Copy of LFE's Corporations license to distribute devices containing sealed sources.

In considering the request to terminate our license, please note the following:

1. We will still hold the devices mentioned in our application of January 14, 1994. The difference is that these devices will be held under a general license instead of a specific license. We have verified with LFE Corporation that these devices can be held under general license.
2. The devices previously held by our company under specific license have all been transferred to LFE; details of these transfers are included in our License Renewal Application dated January 14, 1994.
3. The particular copy of LFE's license was sent because they no longer manufacture our particular device model, and it is not mentioned on their current license.
4. We will continue to have LFE conduct source leakage and device function testing at six month intervals.

JPS Elastomerics Corp.

Patrick Plant, P.O. Box 389, Stuart, VA 24171-0389
Telephone: 703/694-3131 Fax: 703/694-1247

Mr. Jay Henson
March 8, 1994
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For all questions regarding this information, the contact person is

Randy Ledyard
JPS Elastomerics
Patrick Plant
P. O. Box 389
Stuart, VA 24171
Tel: 703-694-1233

Sincerely,



Gordon S. Blackwell
Director of Manufacturing

GSE/bdw

(3-83)
10 CFR 30.36(e)(1)(iv)
10 CFR 40.42(e)(1)(iv)
10 CFR 70.38(e)(1)(iv)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 30 MINUTES. THIS MANDATORY SUBMITTAL IS USED BY NRC AS PART OF THE BASIS FOR ITS DETERMINATION THAT THE FACILITY HAS BEEN CLEARED OF RADIOACTIVE MATERIAL BEFORE THE FACILITY IS RELEASED FOR UNRESTRICTED USE. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (INRB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED - PRINT OR TYPE
SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SPECIFIED ON THE REVERSE

LICENSEE NAME AND ADDRESS

JPS Elastomerics Corp.
Patrick Plant
Highway 58 East
Stuart, VA 24171

LICENSE NUMBER

45-25040-01

LICENSE EXPIRATION DATE

February 28, 1994

A. MATERIALS DATA (Check one and complete as necessary)

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:
(Check and/or complete the appropriate item(s) below.)

1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.

OR

2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions including the disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

The only nuclear materials now in our facility are sealed sources held under a general license. See license application dated January 14, 1994 for details.

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and license number.

Previously, we had sealed sources in our facility which could only be specifically licensed. These have all been transferred to LFE. See application dated January 14, 1994 for details.

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the specific disposal procedures (e.g., decay in storage).

N/A

B. OTHER DATA

- 1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE TERMINATE IT.
- 2. A RADIATION SURVEY WAS CONDUCTED BY THE LICENSEE TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE. (Check one)

NO (Attach explanation) See Section A. above for explanation.

YES. THE RESULTS (Check one)

ARE ATTACHED, OR

WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

Randy Ledyard
JPS Elastomerics Corp.

TELEPHONE NUMBER
(Include Area Code)

703-694-3131

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Gordon S. Blackwell
JPS Elastomerics Corp.

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Gordon S. Blackwell
Director of Manufacturing

SIGNATURE

Gordon Blackwell

DATE

March 7, 1994

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 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.

MATERIALS LICENSE

Amendment No. 13

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, 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. LFE Corporation Process Control Division</p> <p>2. 55 Green Street Clinton, Massachusetts 01510</p>	<p>In accordance with application dated November 23, 1983</p> <p>3. License number 20-01382-16G is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 1989</p> <hr/> <p>5. Docket or Reference No. 030-04599</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>As specified in Condition 10.</p>	<p>7. Chemical and/or physical form</p> <p>As specified in Condition 10.</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>Not applicable</p>
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9. Authorized use

A. Pursuant to Section 32.51, 10 CFR Part 32, the licensee is authorized to distribute the devices containing sealed sources specified in Condition 10 of this license to persons generally licensed pursuant to Section 31.5, 10 CFR Part 31 or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. Each device distributed pursuant to the terms and conditions of this license shall be in accordance with the following table:

Device Model Number	Type	Source Model Number	Isotope	Maximum Activity per source (millicuries)
A. BGL-1	"O" Frame	S2-A2 (2 sources) or NER-592 (2 sources)	Sr 90	50 millicuries
B. BGL-1C	"C" Frame	S2-A2 (2 sources) or NER-592 (2 sources)	Sr 90	50 millicuries
C. BGL-7	"O" Frame	S-6	Kr 85	500
D. BGL-7A	"O" Frame	S-6	Kr 85	750
E. BGL-7C	"C" Frame	S-6	Kr 85	500
F. SC-1A through SC-1F	"C" Frame	S-10	Sr 90	100
G. SC-7A through SC-7C	"C" Frame	S-70	Kr 85	1200

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number:	20-01382-16G
Docket or Reference number:	030-04599
Amendment No. 13	

CORRECTED COPY

(10. continued)

CONDITIONS

Device Model Number	Type	Source Model Number	Isotope	Maximum Activity per source (millicuries)
H. SC-7D and SC-7E	"C" Frame	S-6	Kr 85	750
I. SCL-1A and SCL-1B	"O", "MO", or "C" Frame	S2-A2 or NER-592	Sr 90	50
J. SCL-7A and SCL-7B	"O", "MO", or "C" Frame	S-6A	Kr 85	500
K. SCL-7C	"O", "MO", or "C" Frame	S-6A	Kr 85	750
L. SCL-77A	"O", "MO", or "C" Frame	S-70A	Kr 85	1200
M. SN-1A through SN-1F	"N" Frame	S-10	Sr 90	100
N. SN-1A through SN-1F	"N" Frame	S2-A2 or NER-592	Sr 90	50
O. SN-7A through SN 7C	"N" Frame	S-70A	Kr 85	1200
P. SH-7D and SH-7E	"N" Frame	S-6A	Kr 85	750
Q. SNP-7B	"N" Frame	S-70A	Kr 85	1200
R. SO-1A through SO-1C	"O" Frame	S-10	Sr 90	100
S. SO-7A through SO-7C	"O" Frame	S-70	Kr 85	1200
T. SO-7D and SO-7E	"O" Frame	S-6A	Kr 85	750
U. SN-P7A4	"N" Frame	S-4	Kr 85	450
V. HSB-76	FAB	S-76	Kr 85	500
W. HSB-77	FAB	S-77	Kr 85	1200
X. HUB-76A	FAB	S-76A	Kr 85	500
Y. HUB-77A	FAB	S-77A	Kr 85	1200
Z. HUB-SS-1	FAB	SS-1	Sr 90	20
AA. HUB-SS-3	FAB	SS-3	Am 241	1000
BB. SCL-1C	"C", "MO", or "C" Frame	S2-A2 or NER-592	Sr 90	150 (S2-A2) 100 (NER-592)
CC. SNP-1B	"N" Frame	S2-A2 or NER-592	Sr 90	100
DD. SSL-3	"C" Frame	SS-3	Am 241	1000
EE. SU-S3	"O", "MO", or "C" Frame	SS-3A	Am 241	1000
FF. SU-P77A and SU-77A	"O", "MO", or "C" Frame	S-70A	Kr 85	1200



MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

20-01382-16G

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Amendment No. 13

(10. continued)

CONDITIONS

<u>Device Model Number</u>	<u>Type</u>	<u>Source Model Number</u>	<u>Isotope</u>	<u>Maximum Activity per source (millicuries)</u>
GG. SU-S7	"O", "MO", or "C" Frame	SS-7A	Kr 85	1200
HH. SCL-1D	"O", "MO", or "C" Frame	S2-A2 or NER-592	Sr 90	100

11. This license does not authorize possession or use of licensed material.

12. No generally licensed device shall be installed by the licensee in such a manner or in such a location that any person could receive more than 0.5 rem in a calendar year under ordinary circumstances of use.

13. The licensee shall furnish to each general licensee to whom he transfers a device pursuant to this license, a copy of Section 31.5, 10 CFR 31; Sections 30.34 and 30.51 through 30.63, 10 CFR 30; Sections 20.402 and 20.403, 10 CFR 20, and Appendix D., 10 CFR 20.

14. After installation by the licensee of each device distributed to persons generally licensed pursuant to Section 31.5 of 10 CFR Part 31, the licensee shall conduct a radiation survey and shall assure that the levels of radiation do not exceed those specified in the license authorizing the manufacture or distribution of the installed gauge. The licensee shall furnish the general licensee a copy of the radiation survey report.

15. A. Each device distributed under this license shall bear a durable, clearly visible and legible label or labels containing the following or substantially similar statements:

- "Receipt, possession, use and transfer of this device are subject to a general license or equivalent and regulations of the U. S. Nuclear Regulatory Commission or an Agreement State."
- "Abandonment or disposal prohibited unless transferred to persons specifically licensed by the U. S. Nuclear Regulatory Commission or an Agreement State."
- "Operation prohibited if there is indication of failure of or damage to shielding, source containment or on-off mechanism."
- "Installation, dismantling, relocation, maintenance, repair and testing involving the radioactive material, its shielding or containment shall be performed by persons specifically licensed by the U. S. Nuclear Regulatory Commission or an Agreement State."

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

20-01382-16G

Docket or Reference number

030-04599

CORRECTED COPY

Amendment No. 13

(15. A. continued)

CONDITIONS

5. "Device shall be tested for radioactive leakage and proper functioning of on-off mechanism and indicator, if any, at installation, at source replacement, and thereafter at no longer than six (6) month intervals. On gauges containing krypton 85, the statement may be changed to read, "Device shall be tested for proper functioning of the ON-OFF mechanism or indicator at intervals not to exceed six months."
6. "Loss, theft, or transfer of this device and failure of or damage to the shielding, the source containment or the on-off mechanism must be reported to the U. S. Nuclear Regulatory Commission or an Agreement State."
7. This label shall be maintained on the device in a legible condition.
- B. Each device distributed under this license shall bear a durable, clearly visible and legible label or labels containing the device model and serial number, the radiation symbol in colors magenta or purple on a yellow background, the words "CAUTION, RADIOACTIVE MATERIAL" or "DANGER, RADIOACTIVE MATERIAL," the quantity, identity and date of measurement of the radioactive material, and the name of the distributor of the device.
- C. Each label required by this condition shall bear the statement, "Removal of this label is prohibited."
16. The licensee shall report to the U. S. Nuclear Regulatory Commission, Region I, Nuclear Materials Section, 631 Park Avenue, King of Prussia, Pennsylvania 19406 all transfers of devices distributed under this license to persons generally licensed under Section 31.5, 10 CFR 31. Such report shall identify each general licensee by name and address, the type of device transferred, the quantity and type of licensed material contained in the device, and the specific location where each device is installed. The report shall be submitted within thirty (30) days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.
17. The licensee shall test each device distributed under this license for leakage or contamination of radioactive material and proper operation of the "on-off" mechanism and indicator, if any, at the time of installation of the device.
18. Except as specifically provided otherwise by this license, devices distributed under this license shall be manufactured, tested, labeled and installed in accordance with the provisions of this license and:
- A. Specifications furnished the Commission on April 22, 1960 and April 24, 1962 by C. W. Hanson (Models BGL-1, BGL-7, and BGL-7A).
- B. Specifications contained in letters dated January 4 and February 16, 1961 from C. W. Hanson and specifications in drawings furnished the Commission on October 28, 1960 by C. W. Hanson (Models BGL-1C and BGL-7C).
- C. Specifications furnished the Commission by enclosures to letter dated November 15, 1962 from Richard L. Noel (Models SN-7A through SN-7E, SN-1A through SN-1F, SO-7A through SO-7E, and SO-1A through SO-1C).

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

20-01382-16G

Docket or Reference number

030-04599

CORRECTED COPY

Amendment No. 13

(18. continued)

CONDITIONS

- D. Specifications furnished the Commission by enclosures to letter dated January 3, 1963 from Richard L. Noel (Models SC-7A through SC-7E and SC-1A through SC-1F).
- E. Specifications furnished the Commission by enclosures to letter dated August 7, 1964 from A. B. Dias, Jr. (Model SNP-7B).
- F. Specifications furnished the Commission by enclosures to letters dated June 15 and August 18, 1965 from Frank D. Boyden (Models SCL-1A, SCL-1B, SCL-7A, SCL-7B, SCL-7C, and SCL-77A).
- G. Specifications furnished the Commission by letter dated October 14, 1965 from William Karp (Model SN-P7A4).
- H. Specifications furnished the Commission by letter dated December 20, 1966 from Daniel Kelleher (Models HSB-76 and HSB-77).
- I. Specifications furnished the Commission by letter dated June 7, 1967 and enclosures from S. L. Eakman (Model SCL-1C).
- J. Specifications furnished the Commission by letter dated September 19, 1967 and enclosures from A. B. Dias, Jr. (Model SNP-1B).
- K. Specifications furnished the Commission by letter dated November 15, 1967 and enclosures from S. L. Eakman (Model SSL-3).
- L. Specifications furnished the Commission by enclosures to letters dated February 26 and March 13, 1968 from Dan Kelleher and letter dated September 20, 1968 from Richard Cann (Models HUB-76A and HUB-77A), and letter from William R. Prendergast dated February 7, 1975.
- M. Specifications contained in and with letter received December 14, 1970 and letter dated December 21, 1970 from Angelo B. Dias, Jr., (Models HUB-SS-1 and HUB-SS-3).
- N. Letter dated April 13, 1971 from William R. Prendergast and letter dated January 10, 1973 and from Dan Kelleher.
- O. Specifications furnished the Commission by enclosure and letter dated May 25, 1972 from Angelo B. Dias, Jr., enclosures and letters dated October 13, 1972, December 19, 1972 and January 2, 1973 from Dan Kelleher, (Models SU-S3, SU-P77A, SU77A and SU-S7); and letter dated November 14, 1974 signed by William R. Prendergast.
- P. Specifications furnished the Commission by enclosure and letters dated November 6, 1975 and November 21, 1975 from William R. Prendergast for Model SCL-1D.
- Q. Specifications furnished the Commission by letters dated December 22, 1977 and May 16, 1978 from William R. Prendergast for BGL-1, BGL-1C, SCL-1A, SCL-1B, SN-1A through SN-1F, SCL-1C, SNP-1B, and SCL-1D.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

20-01382-16G

Docket or Reference number

030-04599

Amendment No. 13

CORRECTED COPY

(18. continued)

CONDITIONS

R. Applications dated December 15, 1977, December 29, 1977, August 18, 1978, and November 23, 1983.



OCT 27 1983

Date _____

For the U.S. Nuclear Regulatory Commission

Original Signed By:

Jenny M. Johansen

By

Nuclear Materials and Safeguards Branch
Region I
King of Prussia, Pennsylvania 19406

(FOR LFMS USE)
 INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
 AND
 REGIONAL LICENSING SECTIONS

PROGRAM CODE: 03120
 STATUS CODE: 2
 FEE CATEGORY: 3P
 EXP. DATE: 19940228
 FEE COMMENTS: -----
 DECJM FIN ASSUR REQ: N
 ::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED
 APPLICANT/LICENSEE: JPS ELASTOMERICS CORPORATION
 RECEIVED DATE: 940128
 DOCKET NO: 3031011
 CONTROL NO.: 255747
 LICENSE NO.: 45-25040-01
 ACTION TYPE: RENEWAL

2. FEE ATTACHED
 AMOUNT: 670.00
 CHECK NO.: 13302

3. COMMENTS

SIGNED n. Witt
 DATE JAN 31 1994

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

1. FEE CATEGORY AND AMOUNT: 3P \$670

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
 AMENDMENT -----
 RENEWAL ✓ -----
 LICENSE -----

3. OTHER -----

SIGNED Rita Messing
 DATE 2/8/94

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST. 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON DC 20503.

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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

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:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137-5927

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

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

RADIOACTIVE MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5368

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 JURISDICTIONS.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>45-25040-01</u></p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (include Zip code)</p> <p>JPS Elastomerics Corp.-Patrick Plant P. O. Box 389 Stuart, VA 24171</p>
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<p>3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>JPS Elastomerics Corp.-Patrick Plant, 1.7 miles east of the town of Stuart, located in Patrick County, on US 58 in the state of Virginia, zip code 24171</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Gordon S. Blackwell</p> <p>TELEPHONE NUMBER 703-694-3131</p>
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SUBMIT ITEMS 5 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 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>670.00</u></p>
<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, 36, 39 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>	

<p>CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE Gordon S. Blackwell, Director of Mfg.</p>	<p>SIGNATURE <i>Gordon S. Blackwell</i></p>	<p>DATE 1/13/94</p>
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FOR NRC USE ONLY

TYPE OF FEE <i>Ren</i>	FEE LOG # <i>Feb 1 #</i>	FEE CATEGORY <i>3P</i>	AMOUNT RECEIVED <i>\$ 670</i>	CHECK NUMBER <i>13362</i>	COMMENTS <i>Refunded \$670/Action Voided prior to revision.</i>
APPROVED BY <i>Kate Messer</i>				DATE <i>2/18/94</i>	



January 14, 1994

US Nuclear Regulatory Commission, Region II
Nuclear Materials Safety Section
101 Marietta St, Suite 2900
Atlanta, GA 30323

Dear Sirs:

We are requesting a renewal for our license no. 45-25040-01.

We have submitted NRC Form 313 and supporting documents in duplicate along with the attached check for \$670.00 to cover the renewal fee.

We would appreciate your assistance in processing this application and look forward to your response.

Sincerely,

A handwritten signature in cursive script that reads "Gordon Blackwell".

Gordon S. Blackwell
Director of Manufacturing

Enclosures - NRC Form 313
- Supporting Documents for Form 313
- Attachments (1) through (4)

cc Mr. Bob Linscott
Mr. Odean Sheppard
Mr. John Mitchell (letter only)
Mr. Bob Frans (letter only)
Permanent File - NRC

JPS Elastomerics Corp.

Patrick Plant, P.O. Box 389, Stuart, VA 24171-0389
Telephone: 703/694-3131 Fax: 703/694-1247

NRC Form 313

Application for Material License

Item 5 - Radioactive Material

- A. Element and Mass Number = Strontium-90
- B. Chemical and/or Physical Form = Sealed sources from LFE.
1. LFE Source: Model S2A2, serial nos. 982 & 994 (In Use)
 Gauge: Model BG-50, serial nos. 357 & 359.
- C. Maximum Amount = Two (2) sources totalling 80 millicuries:
1. Two (2) sources of 40 millicuries.

Item 6 - Purpose(s) for Material

We use the beta gauge to measure and control the thickness of rubber sheeting.

Item 7 - Person Responsible

Gordon S. Blackwell
Certified Safety Professional (B.C.S.P.) - 1984
B.S. in Mechanical Engineering (V.P.I. & S.U.) - 1977

Mr. Blackwell will be used to supervise our program; however, we will not open or remove sealed sources from their holders. We will not maintain or repair any sources or holders.

LFE Industrial Systems Corp., 55 Green St, Clinton, MA 01510, phone (508) 365-3400, or other authorized persons shall be contracted for installation, initial radiation survey of devices, relocation, maintenance, repair, and removal from service of the devices containing licensed materials and installation, replacement and disposal of sealed sources containing licensed material used in the LFE devices.

LFE will be contracted to perform site surveys, inventories, leak tests, provide training, etc. every six (6) months. This has in the past included training for our employees in the use and operation of the gauges.

We plan to install a new beta gauge system in the next several months to replace the LFE system. It will be held and operated under a general license. It will be manufactured, installed, maintained, serviced and tested by Advanz Technology Corporation (117 South Street, Hopkinton, MA 01748, phone (508) 435-6881). They will provide the training and instruction in the use and operation of the devices to the employees using the equipment. The gauges will not be operated until this training has been completed. Records of this training will be kept for a minimum of 5 years

Application for Material License

Item 8 - Training for Individuals

Persons other than Gordon Blackwell use and operate the devices. These persons received training and instruction in the operation and use of the devices by LFE at the time of installation.

For the devices to be installed by Advanz Technology, the training and instruction in the use and operation of the devices will be completed by Advanz Technology before the devices are operated.

As part of our safety program, the instructions contained in Attachment 1 are reviewed twice a year with all employees who use the devices in the course of their job.

LFE, Advanz Technology, or other authorized persons have been and will be contracted to install and maintain the systems, to do the initial radiation surveys, the leak testing, and the physical inventory. The training and instruction provided to our employees in the use and operation of the gauges shall be done by these firms.

Safety and emergency instructions are reviewed on a periodic basis with the employees who work with the equipment. These are enclosed for your review (see Attachment 1).

Item 9 - Facilities and Equipment

The two LFE beta gauges using sealed sources of 40 millicuries are located on our Number One Calendar (see Attachment 2: Beta Gauge Location). These are held under our present specific license #45-25040-01, and will continue to be held in that same manner by our new specific license.

Environmental conditions are as follows:

<u>Source</u>	<u>Temperature</u>	<u>Corrosive Atmosphere</u>	<u>Vibration</u>
Two (2) @ 40 mCi	55 - 140 degF	Not Applicable	Minimal

The maintenance of gauges is performed by LFE Industrial Systems or other authorized persons on a six (6) month basis. They check for proper shutter operation, indicator verification, source damage, holder damage, source leakage, and system integrity for the units in operation. Proper labelling and high-temperature protection are verified as well.

Enclosed are copies of the most recent testing done (Attachment 4: Radiation Safety Test Report).

NRC Form 313

Application for Material License

Item 9, cont.

Emergency procedures to be followed are outlined in Attachment 1.

Item 10 - Radiation Safety Program

Services such as installation, initial radiation survey, maintenance, leak testing, device relocation or removal, etc. will be contracted by others.

These services will be provided by the following:

LFE Industrial Systems Corp (License No. 20-01382-02)
55 Green St.
Clinton, MA 01510
1-800-366-2533 (24 hrs)

-or-

Advanz Technology Corp.
117 South Street
Hopkinton, MA 01748
(508) 435-1584 or (407) 288-9902 (24 hrs)

(License Nos. 3G-085-01 Amendment 02 - Possession)
3A-085-01 Amendment 02 - Distribution)

Leak tests will be performed on a six (6) month basis by one or more of the firms listed above according to applicable NRC Standards.

Safety and Emergency procedures are enclosed and will be posted so the appropriate personnel can see them. (see Attachment 1). Training is provided to our employees by the above mentioned companies at the time of installation. Subsequent training is provided by Mr. Blackwell or his delegate, and it is his responsibility to make sure these procedures are followed. It is the responsibility of the plant head to contact the NRC.

NRC Form 313

Application for Material License

Item 11 - Waste Management

Since our last license application we have disposed of seven (7) sources, totalling 163.5 mCi, as listed below:

<u>Attachment 3</u>	<u>Quantity</u>	<u>Strength</u>	<u>Serial Nos.</u>
A	One (1)	30.5 mCi	CR31
B	One (1)	13 mCi	372
C	One (1)	10 mCi	587
D	Two (2)	25 mCi	D8, D10
E	Two (2)	30 mCi	694, 2383

These sealed sources were transferred to LFE, as shown in the records shown in Attachment 3: Transfer of Old Sources.

We plan to install a new beta gauge system within the next several months and plan to dispose of some of our existing sources. The new beta gauge (from Advanz Technology) will be held by a general license. Disposal will be by transfer to a licensee specifically authorized to receive, possess, and dispose of the radioactive material. (At this time, the plans are to have Advanz dispose of them.)

Index to Attachments

<u>Attachment No.</u>	<u>Description</u>
1	Safety Policy for LFE Sensors
2	Beta Gauge Location
3 (A-E)	Transfer of Old Sources
4	Radiation Inspection Report

JPS ELASTOMERICS CORP.
JOB SAFETY ANALYSIS - PATRICK PLANTELECTRICIANS, MECHANICS
CALENDER AND ASST. CALENDER OPRS.

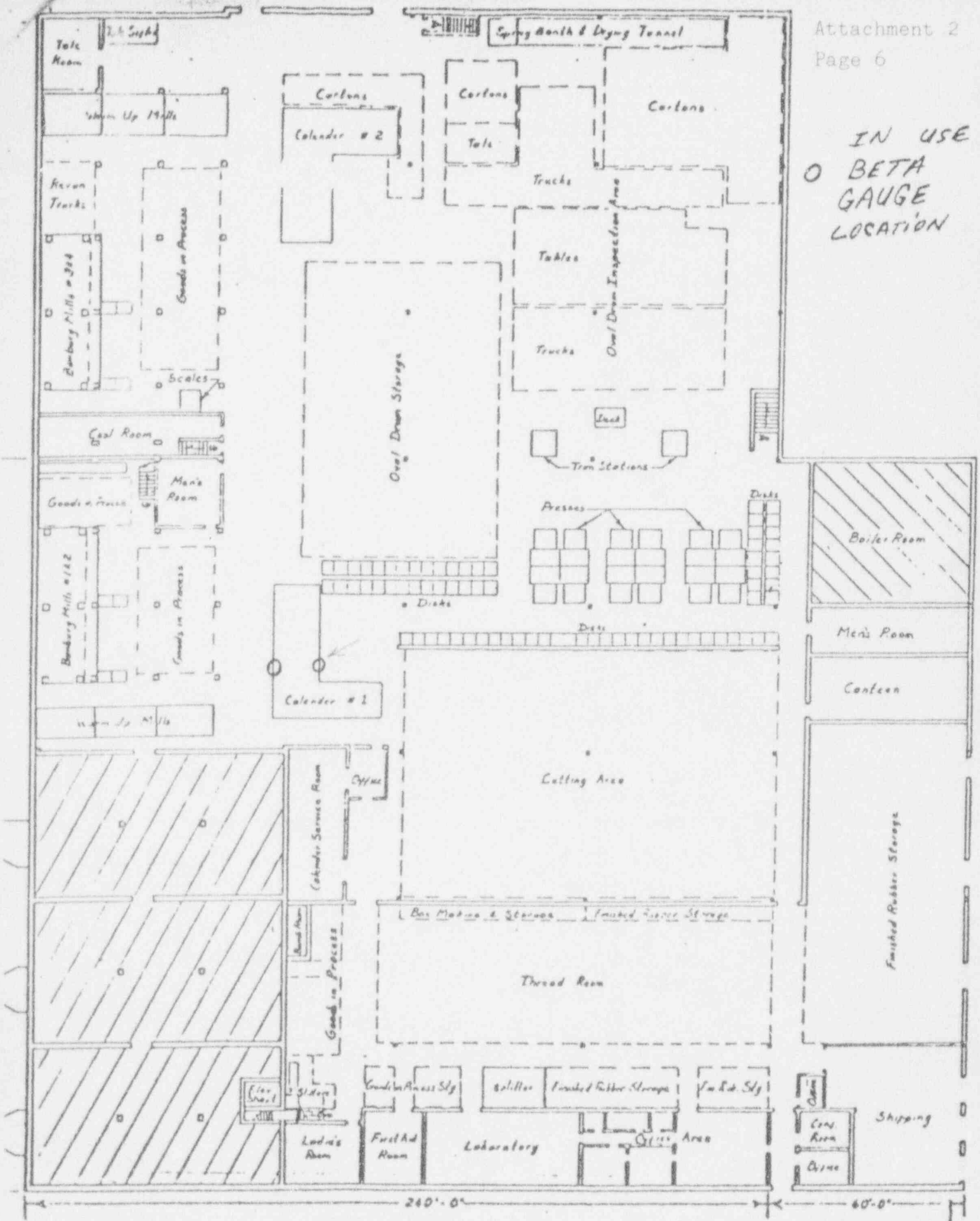
JAN. 5, 1994

SAFETY AND EMERGENCY INSTRUCTIONS FOR
BETA GAUGE SENSORS AT
PATRICK PLANT
CALENDER NO. 1

LFE sensors have been designed with built in safety features to prevent accidental exposure to beta gauges. However, there are a few additional common sense rules that must be followed.

- * If you work near the beta gauge sensor, become familiar with the safety procedures listed below.
- * Before approaching the sensor head, determine the status of the source shutter. Make sure that the sensor is in the off-sheet position and the shutter is closed.
- * Avoid exposure to the beta rays. NEVER insert hands (or any portion of the body) in the measurement gap.
- * If you must work with your hands in the area between the emergency calender stop safety wire and the calender roll, send the beta gauge sensor off sheet (shutter closed).
- * Do not attempt to operate or repair the sensor unless you have been trained to do so.
- * If the head becomes damaged or misaligned, turn the sensor power off before approaching the head. Contact the Plant Engineer, Director of Manufacturing, Shift Supervisor or the Chemical Control Officer. The Safety Administrator must also be notified.

IN USE
O BETA
GAUGE
LOCATION



SOURCE/SOURCE HOUSING Returned from:

Company JPS ELASTOMERICS, PATRICK PLANT
Address PO Box 389
STUART, VA 24171
Contact ODEAN SHEPPARD

Mfg. of Source:

LFE

Other _____

Source Type(s) SR-90

Millicurie Strength 30.5

Serial #(s) CR 31

Type Housing(s) TRACERLAB

Date of Source(s) 8/55

Date of Return 11/15/88

Reason for Return DISPOSAL

Signed Frank R. Prastka

FORM #587-124

SOURCE/SOURCE HOUSING Returned from:

Company JPS FLASTOMERICS, PATRICK PLANT

Address PO Box 389

STUART, VA 24171

Contact DEAN SHEPPARD

Mfg. of Source:

LFE

Other _____

Source Type(s) SR-90

Millicurie Strength 13 MCS

Serial #(s) 372

Type Housing(s) TRACERLAB

Date of Source(s) 2/57

Date of Return 11/15/85

Reason for Return DISPOSAL

Signed Frank R. Prosko

FORM #587-124

SOURCE/SOURCE HOUSING Returned from:

Company JPS ELASTOMERICS, PATRICK PLANT

Address PO BOX 384

STUART, VA 24171

Contact DEAN SHEPPARD

Mfg. of Source:

(LFE)

Other _____

Source Type(s) SR-90

Millicurie Strength 10MCS

Serial #(s) 587

Type Housing(s) TRACER LAB

Date of Source(s) 11/57

Date of Return 11/15/88

Reason for Return DISPOSAL

Signed [Signature]

FORM #587-124

SOURCE/SOURCE HOUSING Returned from:

Company JPS ELASTOMERICS, PATRICK PLANT
Address PO BOX 384
STUART, VA 24171
Contact ODEAN SHEPPARD

Mfg. of Source:

LFE

Other _____

Source Type(s) .5R-90

Millicurie Strength 25 MCS EACH, TOTAL 50 MCS

Serial #(s) D8, D10

Type Housing(s) BGLIC

Date of Source(s) 6/18/65

Date of Return 11/15/88

Reason for Return DISPOSAL

Signed [Signature]

FORM #587-124

SOURCE/SOURCE HOUSING Returned from:

Company JPS ELASTOMERICS, PATRICK PLANT
Address PO BOX 384
STUART, VA 24171
Contact ODEAN SHEPPARD

Mfg. of Source:

(LFE)

Other _____

Source Type(s) SR-90
Millicurie Strength 30 MCS EACH, TOTAL 60MCS
Serial #(s) 694, 2383
Type Housing(s) B6LIC
Date of Source(s) 6/18/65
Date of Return 11/15/88
Reason for Return DISPOSAL

Signed Frank R. [Signature]

FORM #587-124



LFE INDUSTRIAL SYSTEMS CORPORATION

55 GREEN STREET
CLINTON, MA 01510
(508) 365-3400

A MARK IV COMPANY

RADIATION INSPECTION REPORT

THIS DOCUMENT IS A REPORT OF THE INSPECTION OF YOUR RADIOISOTOPE GAUGE YOU ARE REQUIRED BY THE NUCLEAR REGULATORY COMMISSION AND/OR YOUR STATE REGULATIONS TO RETAIN THIS REPORT IN YOUR FILES FOR REVIEW BY FEDERAL, STATE, AND LOCAL AUTHORITIES.

TERRITORY: 461D
CUSTOMER:

000115
703-694-3131
ATTENTION:

J.P.S. ELASTOMERICS
PATRICK PLANT
P.O. BOX 389
STUART, VA

24171

William R. Prendergast
WILLIAM R. PRENDERGAST
RADIATION SAFETY OFFICER

DATE: 10/28/93

STATE: VA

NAME: G. BLACKWELL

SOURCE				GAUGE		NEXT INSPECTION DUE DATE	SHIPPING DATE	INSTALLATION DATE	LICENSE G/S	SITE SURVEY REQUIRED
SERIAL NUMBER	MODEL NUMBER	ISOTOPE	MILLI-CURIES	SERIAL NUMBER	MODEL NUMBER					
000994	S242	SR-90	40	357	86-50	10/06/93	1/15/71	9/17/71	GENERAL	YES

FIELD INSPECTION			LABORATORY INSPECTION		
SHUTTERS	INDICATORS	PERFORMED BY	SOURCE	PERFORMED BY	DATE PERFORMED
✓	✓	F MASHO	OK	WJP	11-4-93

LOCATION:
DRIVE SIDE

LABELS IN PLACE AND LEGIBLE: YES ✓ NO

- NOTE:
1. THE PRESENCE OF .005 MICROCURIES OR MORE OF REMOVABLE RADIOACTIVITY IS CONSIDERED BY THE NRC TO BE EVIDENCE OF SOURCE LEAKAGE.
 2. THE LABORATORY TEST RESULTS ARE SHOWN IN MICROCURIES.
 3. WHEN SHUTTERS AND INDICATORS ARE OPERATING PROPERLY, THE REPORT SHOWS ✓
 4. THE DETECTION SYSTEM IS CAPABLE OF DETECTING .0001 MICROCURIES.

SITE SURVEY

RECORD RADIATION READINGS IN MR/HR	SKIN	2.20	4.5	1.20	0	0
	WHOLE BODY	0.75	0.35	0.10	0	0
AT		1 FT	2 FT	3 FT	5 FT	10 FT

SURVEY INSTRUMENT *VICTOREN 450B*
SERIAL NUMBER *982*

DETERMINE OCCUPANCY TIME IN HOURS PER QUARTER AT VARIOUS DISTANCES FROM THE SOURCE FOR ALL PERSONNEL WORKING WITH THE GAUGE. MULTIPLY OCCUPANCY TIME BY THE APPROPRIATE RADIATION READING TO OBTAIN THE MR/QTR AND MR/YR. COMPUTE THE TOTAL MR/QTR AND MR/YR FOR EACH PERSON. ENTER THE HIGHEST TOTALS. -

WHOLE BODY	<u>3.9</u>	MR/QTR	_____	MR/YR
SKIN	<u>46.8</u>	MR/QTR	_____	MR/YR
HANDS	_____	MR/QTR	_____	MR/YR



LFE INDUSTRIAL SYSTEMS CORPORATION

55 GREEN STREET
CLINTON, MA 01510
(508) 365-3400

C

A MARK IV COMPANY

RADIATION INSPECTION REPORT

THIS DOCUMENT IS A REPORT OF THE INSPECTION OF YOUR RADIOISOTOPE GAUGE YOU ARE REQUIRED BY THE NUCLEAR REGULATORY COMMISSION AND/OR YOUR STATE REGULATIONS TO RETAIN THIS REPORT IN YOUR FILES FOR REVIEW BY FEDERAL, STATE, AND LOCAL AUTHORITIES.

TERRITORY: 4610

DATE: 10/27/93

CUSTOMER:
000115
703-694-3131
ATTENTION:

J.P.S. ELASTOMERICS
PATRICK PLANT
P.O. BOX 389
STUART, VA 24171

William R. Prendergast
WILLIAM R. PRENDERGAST
RADIATION SAFETY OFFICER

STATE: VA

NAME: G. BLACKWELL

SOURCE				GAUGE		NEXT INSPECTION DUE DATE	SHIPPING DATE	INSTALLATION DATE	LICENSE G/S	SITE SURVEY REQUIRED
SERIAL NUMBER	MODEL NUMBER	ISOTOPE	MILLI-CURIES	SERIAL NUMBER	MODEL NUMBER					
000982	S2A2	SR-90	40	359	BG-50	10/06/93	1/15/71	9/17/71	GENERAL	YES

FIELD INSPECTION			LABORATORY INSPECTION		
SHUTTERS	INDICATORS	PERFORMED BY	SOURCE	PERFORMED BY	DATE PERFORMED
✓	✓	F MASHO	OMEI	WRP	11-4-93

LOCATION:
WATER SIDE

LABELS IN PLACE AND LEGIBLE: YES ✓ NO

- NOTE:
1. THE PRESENCE OF .005 MICROCURIES OR MORE OF REMOVABLE RADIOACTIVITY IS CONSIDERED BY THE NRC TO BE EVIDENCE OF SOURCE LEAKAGE.
 2. THE LABORATORY TEST RESULTS ARE SHOWN IN MICROCURIES.
 3. WHEN SHUTTERS AND INDICATORS ARE OPERATING PROPERLY, THE REPORT SHOWS ✓
 4. THE DETECTION SYSTEM IS CAPABLE OF DETECTING .0001 MICROCURIES.

SITE SURVEY

RECORD RADIATION READINGS IN MR/HR	SKIN	1 FT	2 FT	3 FT	5 FT	10 FT
	WHOLE BODY	19.3	4.1	1.00	0	0
AT	0.68	0.30	0.05	0	0	

SURVEY INSTRUMENT *VICTOREEN 450B*
SERIAL NUMBER *982*

DETERMINE OCCUPANCY TIME IN HOURS PER QUARTER AT VARIOUS DISTANCES FROM THE SOURCE FOR ALL PERSONNEL WORKING WITH THE GAUGE. MULTIPLY OCCUPANCY TIME BY THE APPROPRIATE RADIATION READING TO OBTAIN THE MR/QTR AND MR/YR. COMPUTE THE TOTAL MR/QTR AND MR/YR FOR EACH PERSON. ENTER THE HIGHEST TOTALS. -

WHOLE BODY 1.95 MR/QTR _____ MR/YR
SKIN 39 MR/QTR _____ MR/YR
HANDS _____ MR/QTR _____ MR/YR

Attachment 4B
Page 13

MAR 30 1994

DIVISION OF ACCOUNTING AND FINANCE
REQUEST FOR REFUND TO EMPLOYEE/VENDOR

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS OR SERVICES PROVIDED AND IS DUE A REFUND.

EMPLOYEE/VENDOR/PAYEE CODE: * _____

NAME: JPS Elastomerics Corporation

ADDRESS: ATTN: Gordon S. Blackwell

ADDRESS: Highway 58 East

CITY: Stuart STATE: VA ZIP: 24171-0389

TRANS CODE: PX TRANS TYPE: _____ FUND: _____

JOB CODE: _____ (FOR FE TRANS TYPE) REFUND AMOUNT: \$670.00

COMMENTS: Renewal Lic 45-25040-01 Terminated

(limit comments to 40 characters, including spaces)

PREPARED BY: Rita Messer DATE: 3/29/94

AUTHORIZED BY: Audra Kimberly TITLE: Lic. Fee Analyst

OFFICE: OC/DAF/L7DCB DATE: 3/31/94

ORIGINAL INVOICE #: _____ DATE PAID: _____ AMOUNT: \$ _____

REFUND ENTERED INTO COLLECT BY: _____

REFUND DETERMINED BY: _____ DATE: _____

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION.

* AN ADDRESS MUST BE PROVIDED FOR VENDORS NOT FOUND ON THE VEND TABLE.

(Submitted Term.
Ren. Voided.
Term with Voided
Ren.)

255749 Feb 11