

MATERIALS LICENSE

Amendment No. 04

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

Licensee		In accordance with letter dated July 30, 1996, 3. License Number 37-27963-01 is amended in its entirety to read as follows:	
1. Microbac Laboratories, Incorporated Pittsburgh Division			
2. 100 Marshall Drive Warrendale, Pennsylvania 15086		4. Expiration Date June 30, 2002	
		5. Docket or Reference No. 030-29785/37-11760-01	
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. Nickel 63	A. Plated sources or foils	A. Not to exceed 20 millicuries per foil and 200 millicuries total	
9. Authorized use			
A. In electron capture detector cells which are distributed under a specific license issued by the U.S. Nuclear Regulatory Commission or any Agreement State.			

CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at Erie Testing Lab Division, 1962 Wager Road, Erie, Pennsylvania and Pittsburgh Division, 100 Marshall Drive, Warrendale, Pennsylvania.
11. A. Licensed material shall be used by, or under the supervision of David Danis, Steven Krynak, Mark Makowiecki, Allison Robinson, Greg Meyer, Bob Morgan, Cheri Brolaski, Charles Piano, Tracey Curtis, Thomas Shaffer, Barbara Juchno, Paula Trapp or Andrew Nelson.
- B. The Radiation Safety Officer for this license is Steven Krynak.
12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
- 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 three months.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

37-27963-01

Docket or Reference Number

030-29785

Amendment No. 04

- C. In the absence of a certificate from a transferor indicating that a leak 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 radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or 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. 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 or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five 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 or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by Assay Services, Inc. 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.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

37-27963-01

Docket or Reference Number

030-29785

Amendment No. 04

- C. In the absence of a certificate from a transferor indicating that a leak 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 radioactive gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or 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. 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 or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five 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 or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by Assay Services, Inc. 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.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

37-27963-01

Docket or Reference Number

030-29785

Amendment No. 04

15. 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.
16. Maintenance, repair, cleaning, replacement and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
17.
 - A. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents the foil temperatures from exceeding that specified in the certificate of registration referred to in 10 CFR 32.210.
 - B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. 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 March 10, 1992
 - B. Letter dated May 20, 1992
 - C. Letter dated June 12, 1992
 - D. Letter dated February 10, 1997

FEB 24 1997

Date _____

For the U.S. Nuclear Regulatory Commission

Original Signed By

Richard Gibson

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

FEB 24 1997

David J. Danis
Laboratory Director
Microbac Laboratories, Inc.
Pittsburgh Division
100 Marshall Drive
Warrendale, PA 15086

Dear Mr. Danis:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

The facilities at Senate Analytical Division, 545 William Pitt Way, Pittsburgh, Pennsylvania and Broeman Division, 830 Melbourne Avenue, Cincinnati, Ohio may be released for unrestricted use.

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
Richard Gibson

Richard Gibson, Jr.
Division of Nuclear Materials Safety

License No. 37-27963-01
Docket No. 030-29785
Control No. 123553

Enclosure:
Amendment No. 04

DOCUMENT NAME: R:\WPS\MLTR\L3727963.01

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	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	RGibson/rxg	<input checked="" type="checkbox"/>					
DATE	02/14/97		02/ /97		02/ /97		02/ /97

OFFICIAL RECORD COPY



MS 16
J-2

FAX REC'D

LEAK-TEST RECORD SHEET

C. J. BRUYN & CO.

800-252-7896 800-CJBRUYN FAX 510-256-9503
1612 Encanto Place, Walnut Creek, CA 94596-2321.
E-Mail: ecd@ix.netcom.com

TO: Steve Krynak
Microbac Laboratories, Inc. PD
100 Marshall Drive,
Warrendale, PA 15086-7554

Please correct errors

Phone#: 1-412-772-0610 EXT: _____

FAX# : 1-412-826-3701

772-1686

P.O. #: 1123 or Check#: _____ Wipe-Taker's Name: _____ (if different)

We will return you the same number of Wipe-Kits unless you indicate a different Number here: Sent me _____ Wipe-Kits

This important form will be returned for you to file & display in the event of an inspection.

This form may be used for up to 10 different ECDs or several consecutive surveys of one or more ECDs.

Manufacturer (MF): VR-Varian, HP-Hewlett Packard, PE-Perkin Elmer, SH-Shimadzu, VL-Valco, TM-Tremetrics, Other.

I MF	I S/N	I Date	I Signature	I Micro Ci.X 10E-3	I CJB-Signature	I Date
1 I HP	I F4926	I 1-28-97	I <i>Steve Krynak</i>	I .031	I <i>Steve Krynak</i>	I 2/3/97
2 I HP	I M2140	I 1-28-97	I <i>Steve Krynak</i>	I .038	I <i>Steve Krynak</i>	I 2/3/97
3 I VR	I A10577	I 1-28-97	I <i>Steve Krynak</i>	I .024	I <i>Steve Krynak</i>	I 2/3/97
4 I VR	I A4312	I 1-28-97	I <i>Steve Krynak</i>	I .091	I <i>Steve Krynak</i>	I 2/3/97
5 I TM	I 5085	I 1-28-97	I <i>Steve Krynak</i>	I .052	I <i>Steve Krynak</i>	I 2/3/97
6 I	I	I	I	I .	I	I
7 I	I	I	I	I .	I	I
8 I	I	I	I	I .	I	I
9 I	I	I	I	I .	I	I
10 I	I	I	I	I .	I	I

DO NOT DISPOSE OF THIS KIT. When this form is marked, the swabs enclosed have been used to survey a Radioactive Material containing device and may hold some Radioactivity. The content has not yet been measured but is expected to be low enough to ensure that no radiation can be detected on the exterior of the container. However, they may not be disposed off prior to having been measured with a liquid Scintillation Counter.

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License. If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

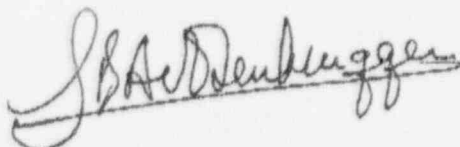
With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For sigma 2 & 3 GCs
Serial No: 3495
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PO
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License.

If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

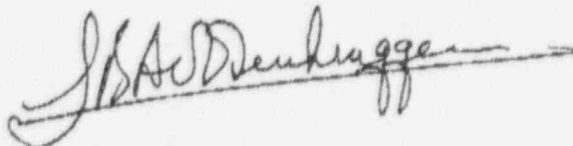
With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For sigma 2 & 3 GCs
Serial No: 3361
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License.

If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For sigma 2 & 3 GCs
Serial No: 2349
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ic.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License.

If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For sigma 2 & 3 GCs
Serial No: 3455
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO. □

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License.

If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation

Model No: For sigma 2 & 3 GCs

Serial No: 1282

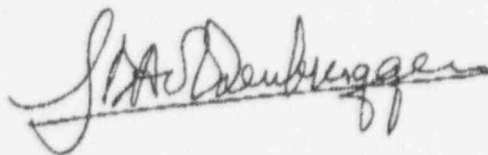
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD

100 Marshall Drive

Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License. If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test


With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.

The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For sigma 2 & 3 GCs
Serial No: 1774
Content: < 15 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.,^o

C. J. BRUYN & CO.

The ECD Specialist

1612 Encanto Place, Walnut Creek, CA 94596-2321

Phone: 800-252-7896 800-CJBRUYN FAX : 510-256-9503

Our E-Mail Address is ecd@ix.netcom.com

IMPORTANT NOTICE

This document must accompany the Certificate of Disposition of Material, when it is sent to the Radiation Control Authorities for the purpose of canceling your Specific License. If discontinuance of a Specific License is not applicable, be sure to file this form. You may need to present it with the Certificate of Disposition of Material when an inspection is made by the Authorities and you are questioned about your inventory control. Please check all records in Blue.

Certificate of Leak Test

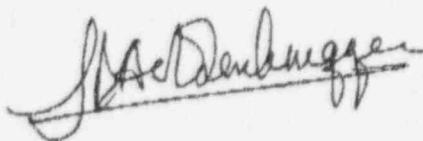
With this document C. J. BRUYN & CO. certifies that the Electron Capture Detector (ECD) indicated below has been surveyed on: February 5, 1997

The amount of removable activity was determined to be less than the maximum allowable .005 Micro Curie.


The ECD surveyed was Manufacturer by: Perkin-Elmer Corporation
Model No: For Model 900 GCs
Serial No: 938
Content: < 10 Millicurie of Nickel 63

Was owned by: Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

Survey responsibility:



Jerry B. Van Osenbruggen, Radiation Safety Officer of C.J.B. & CO.

TELEPHONE CONVERSATION RECORD		Date: 2/14/97	Time: 10:00 am
Mail Control No.: 123553		License No.: 37-27963-01	Docket No.: 030-29785
Person Called: Steve Krynak, RSO		Organization: Microbac Lab., Inc.	Telephone Number: 412-772-0610
Person Calling: Richard Gibson Jr.			
Subject: Licensing action/amend license to physically change area for use and store of licensed material.			
<p>Summary: 1. I informed Mr. Krynak to submit leak test results for the ECDs that were transported from the two locations (Senate Analytical Division, 545 William Pitt Way, Pittsburgh, PA and Broemen Division, 830 Melbourne Avenue, Cincinnati, OH), that he wish to remove from the license.</p> <p>2. Mr. Krynak stated that the ECD that was located at the Cincinnati, OH., facility was transported to their facility located in Maine.</p>			
Action Required/Taken: await fax from licensee			
Signature: Richard Gibson, Jr. 		Date: 2/14/97	



Microbac

® Microbac Laboratories, Inc.
Pittsburgh Division
100 Marshall Drive Warrendale, PA 15086-7554
Tel: 412/772-0610 • 412/772-1686



MS16

J-2

February 10, 1997

U.S. Nuclear Regulatory Commission
Region I
Licensing Assistance Section
Mail# 123553
475 Allendale Road
King of Prussia, PA 19406

Attention: Mr. Richard Gibson

Subject: Amendment of NRC License # 37-27963-01

Dear Mr. Gibson,

This is written to inform to you of the amendments we wish to make to our license:

Location of Facilities

Additions

Pittsburgh Division, 100 Marshall Drive, Warrendale, PA 15086

Deletions

Senate Analytical Division, 545 William Pitt Way, Pittsburgh, PA
Broeman Division, 830 Melbourne Avenue, Cincinnati, OH

Employees

Additions

Tracey Curtis
Thomas Shaffer
Barbara Juchno
Paula Trapp

Deletions

Angela Viertel
Mary Habursky
Jerome Macgrave
Stanley Collett

OFFICIAL RECORD COPY

ML 10

123553

FEB 12 1997

Radiation Safety Officer

Addition

Steven Krynak

Deletion

David Danis

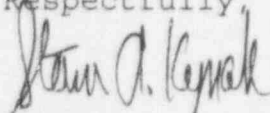
3. The current inventory is as follows:

<u>Mgr.</u>	<u>SN#</u>	<u>Location</u>
Tracor	5085	Pittsburgh Division
Varian	A10577	Pittsburgh Division
Varian	A4312	Pittsburgh Division
Hewlett-Packard	F4926	Pittsburgh Division
Hewlett-Packard	M2190	Pittsburgh Division
Varian	A1964	Erie Testing Lab Division
Perkin-Elmer	2127	Erie Testing Lab Division

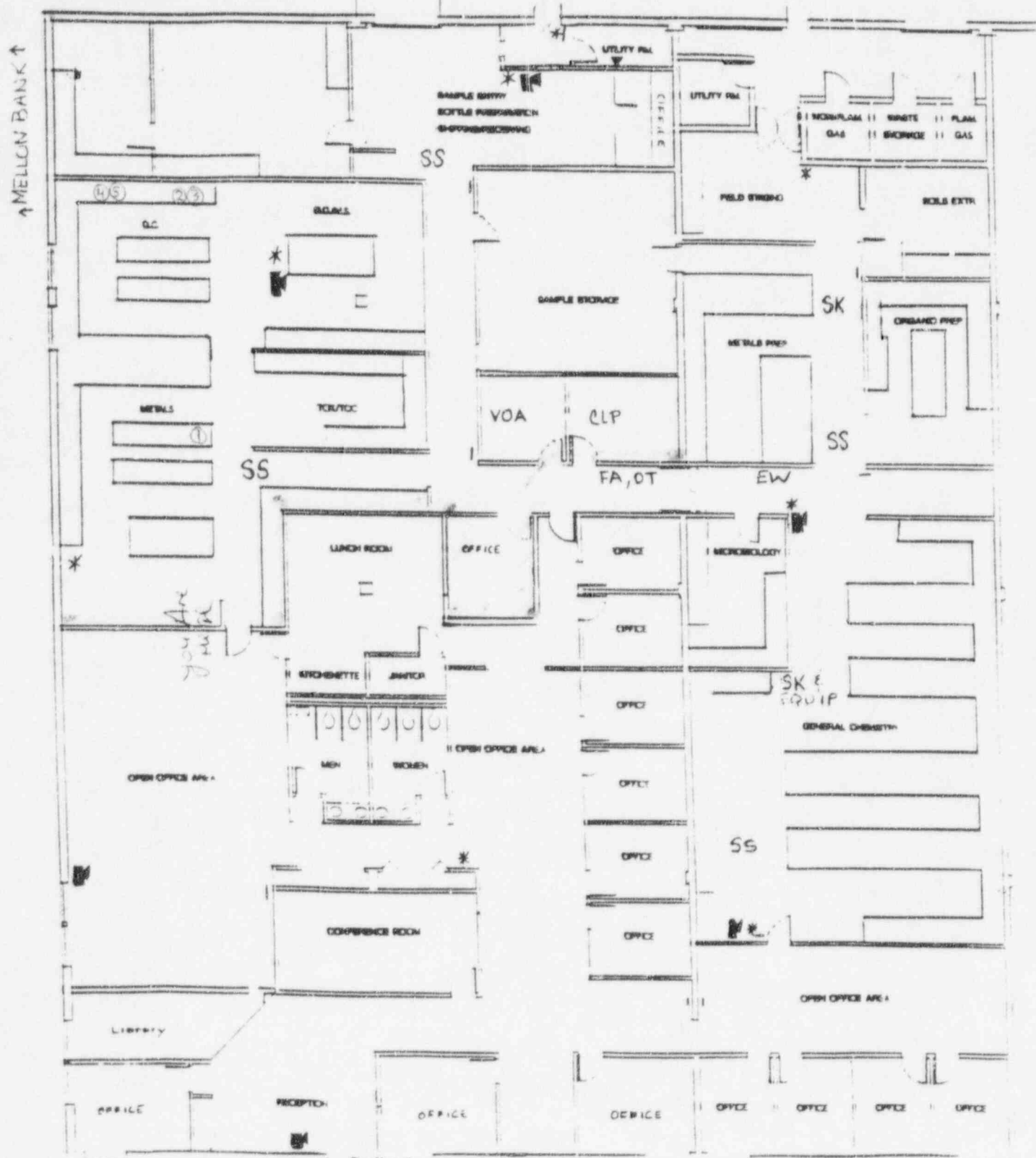
Current leak tests have been performed and will be sent if requested. Any other material has been disposed of with C.J. Bruhn and Co., Walnut Creek, CA. A copy of the disposal certificate is included for review.

Mr. Gibson, I hope that you find everything in order. Please give Dave Danis or myself a call should you have any questions or comments.

Respectfully,



Steven A. Krynak
Assistant Lab Director



- ① - Tracer SN#5085
- ② Varion SN# A10577
- ③ Varion SN# A4312
- ④ H-P SN# F4926
- ⑤ H-P SN# M2190

■ - Air Horn

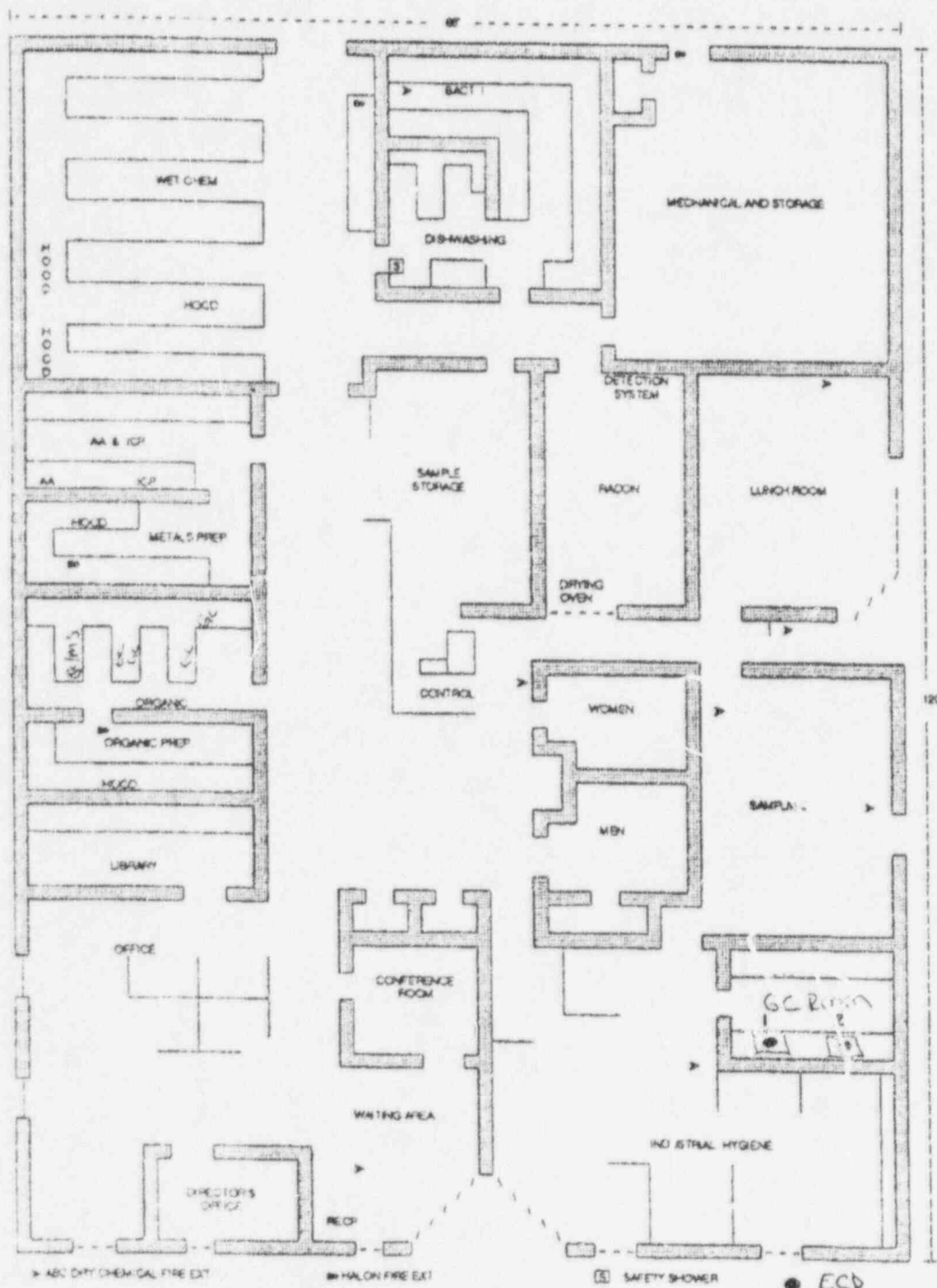
* - FIRE EXTINGUISHER
 SS - SAFETY SHOWER
 SK - SPILL KIT

EW - EYE WASH
 OT - OXYGEN TANK
 FA - FIRST AID

ERIE LABORATORY DIVISION

Section No. 4
 Subsection No. a
 Revision No. 0
 Date (of issue) 6-12-95
 Page 1

PHYSICAL FACILITIES - FLOOR PLAN



1- Varian SN#A1964
 2- Perkin Elmer SN#2121

(3-93)
10 CFR 30.38(c)(1)(iv)
10 CFR 40.42(c)(1)(iv)
10 CFR 70.38(c)(1)(iv)

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

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 (MNBB 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.

LICENSEE NAME AND ADDRESS

Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

LICENSE NUMBER

37-27963-01

LICENSE EXPIRATION DATE

Jun. 30, 2002

ATTACHMENTS: Survey Results and Agreement state List (If Licensee is not under USNRC jurisdiction)

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.

ECD Model #: For Model 900 GCs ECD S/N: 938

Manufacturer: Perkin-Elmer Corporation Content: <10 Milli Curies Ni 63

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.

Transfer: February 5, 1997 from Licensee to C. J. BRUYN & CO., License No.: 5670-07
Issued by California Department of Health. Sources are kept in temporary storage.

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).

C. J. BRUYN & CO. has an agreement for disposal through:
DuPont Merck Pharmaceutical, 331 Treble Cove Road, North Bellerica, MA 01862

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)
☒ 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

Steve Krynak

TELEPHONE NUMBER
(Include Area Code)

412-772-0610

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO DISPOSAL TO:

C. J. BRUYN & CO., 1612 Encanto Place, Walnut Creek, CA 94596-2321

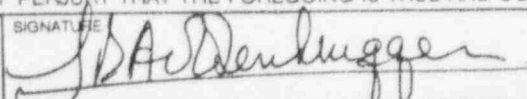
CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE

Jerry B. Van Osenbruggen
Radiation Safety Officer, C. J. B. & CO.

SIGNATURE



DATE

5 February, 1997

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.

(3-93)
10 CFR 30.36(c)(1)(iv)
10 CFR 40.42(c)(1)(iv)
10 CFR 70.38(c)(1)(iv)

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 REVERSEESTIMATED 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 (MNB 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.

LICENSEE NAME AND ADDRESS

Microbac Laboratories, Inc. PD
100 Marshall Drive
Warrendale, PA 15086-7554

LICENSE NUMBER

37-27963-01

LICENSE EXPIRATION DATE

Jun. 30, 2002

ATTACHMENTS: Survey Results and Agreement state List (If Licensee is not under USNRC jurisdiction)

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.

ECD Model #: For Sigma 2 or 3 GCs ECD S/Ns: 3495, 3361, 2349, 3455, 1282 & 1774

Manufacturer: Perkin-Elmer Corporation Content: < 15 Milli Curies Ni 63

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.Transfer: February 5, 1997 from Licensee to C. J. BRUYN & CO., License No.: 5670-07
Issued by California Department of Health. Sources are kept in temporary storage.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).C. J. BRUYN & CO. has an agreement for disposal through:
DuPont Merck Pharmaceutical, 331 Treble Cove Road, North Bellerica, MA 01862

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)☒ 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

Steve Krynak

TELEPHONE NUMBER
(Include Area Code)

412-772-0610

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO DISPOSAL TO:

C. J. BRUYN & CO., 1617 Encanto Place, Walnut Creek, CA 94596-2321

CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE

Jerry B. Van Osenbruggen
Radiation Safety Officer, C. J. B. & CO.

SIGNATURE



DATE

5 February, 1997

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.

TELEPHONE CONVERSATION RECORD	Date: 09/25/96	Time: 1:45 pm
Mail Control No.: 123553	License No.: 37-27963-01	Docket No.: 030-29785
Person Called: David J. Danis, Lab Dir.	Organization: Microbac Lab., Inc.	Telephone Number: 412-772-0610
Person Calling: Richard Gibson Jr.		
Subject: Licensing action/amend license to correct mailing address		
<p>Summary: 1. I informed Mr. Danis that in order for me to continue the amendment of the license, I will need additional information.</p> <p>A. With regards to the place of use and storage, does Pittsburgh Division, 100 Marshall drive is to be added to the license? In addition, do we delete U-PARC, 545 William Pitt Way, Pittsburgh, Pennsylvania as a place of use and storage of radioactive material? If so, please indicate and explain what did you do with the radioactive material that was located at that facility.</p> <p>B. The individuals who used or supervised the use of radioactive material are to remain as listed on the license or to be deleted. In addition, are there any other personnel you wish to add to the license?</p> <p>C. Please send a diagram of 100 Marshall Drive, Warrendale, Pennsylvania if you wish to add that facility to your license as a place of storage and use of radioactive material. In addition, send credentials on any other personnel you wish to add to the license.</p>		
Action Required/Taken: MS-15		
Signature: Richard Gibson, Jr. <i>RG</i>	Date: 09/25/96	

OFFICIAL RECORD COPY

ML 10



Microbac Laboratories, Inc.

Pittsburgh Division 100 Marshall Drive Warrendale, PA 15086-7554
Tel: 412/772-0610 • 412/772-1686



030- 29785
37- 27963-01

July 30, 1996

U.S. Nuclear Regulatory Commission
Region I
Licensing Assistance Section
475 Allendale Road
King of Prussia, PA 19406

Attention: Mr. Richard Gibson

Subject: Lab Relocation Notification

Dear Mr. Gibson,

Please find attached, a copy of our letter sent to Brenda Brown notifying your offices of our lab relocation last year.

Additionally, I have included a copy of the cancelled check that includes the \$290 relocation fee as well as the yearly amount for our license.

Mr. Gibson, I hope that this information will be of help. Please give me or Steve Krynak a call should you have any questions or comments.

Respectfully

David J. Danis
Laboratory Director

cc:S.Krynak


OFFICIAL RECORD COPY

ML 10

123553

AUG 12 1996

REC'D IN LAS



Microbac

Microbac Laboratories, Inc.

Pittsburgh Division 100 Marshall Drive Warrendale, PA 15086-7554
Tel: 412/772-0610 • 412/772-1686



October 6, 1995

Ms. Brenda Brown
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Subject: Laboratory Relocation; Lic. #37-27963-01

Dear Ms. Brown,

This is written to inform you that Microbac Laboratories, Inc. Senate Analytical Division has relocated to the following address;

Microbac Laboratories, Inc.
Pittsburgh Division
100 Marshall Drive
Warrendale, PA 15086

TEL:412/772-0610
FAX:412/772-1686

Enclosed is a check for the amount of \$290 covering the relocation fee.

Ms. Brown, I hope that you find everything to be in order. Please give me or Steve Krynak a call should you have any questions or comments.

Respectfully,

David J. Denis (reprinted 7/30/96)

David J. Denis
Laboratory Director

cc:S. Krynak
C. Boerner

MICROBAC LABORATORIES, INC.

4721 McKnight Road, Suite 211
Pittsburgh, PA 15237

NationsBank of Virginia, N.A.
NEWPORT NEWS, VA
68-50/514

035354

DATE
10/12/95

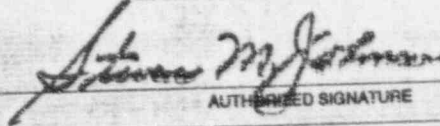
CHECK NO.
035354

TWO THOUSAND THIRTY-FOUR AND 22/100 U.S. DOLLARS

PAY
TO THE
ORDER OF

U.S. NUCLEAR REGULATORY COMM. 050078918 024 0678 0680 01 05
LICENSE FEE & DEBT COLLECTION
P.O. BOX 954514
ST. LOUIS, MO 63195-4514

MICROBAC LABORATORIES, INC.


AUTHORIZED SIGNATURE

AMOUNT
*****\$2,034.22

⑈035354⑈ ⑆051400507⑆ 9997 8415⑈

⑈00002034.22⑈

123553

YOUR ENDORSEMENT IN THE ABOVE AREA ONLY
DO NOT SIGN, WRITE OR STAMP BELOW THIS LINE
FOR DEPOSITORY BANK USE ONLY

0004514 10-19-95 15 5 1

CREDIT TO THE ACCOUNT OF THE
WITHIN NAMED PAYEE
PAYMENT ACCEPTED WHO PRESIDENCE
BANK OF ENDORSEMENT GUARANTEED
METCANTILE BK OF ST. LOUIS NA
1005 CONVENTION PLAZA
314-444-4550
081000210

SUBSEQUENT COLLECTING BANK USE ONLY

100109403

08 1354 010 10/19/95
100109403 SURT 837
081000210 MERC STL TRU
1009605255

02410000 RUCP
0510-0003
050075918 10-20-95
051000017
W/20/95

56199783

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03123
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20020630
FEE COMMENTS:
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION *I*

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: MICROBAC LABORATORIES, INC
RECEIVED DATE: 960812
DOCKET NO: 3029785
CONTROL NO.: 123553
LICENSE NO.: 37-27963-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: */*
CHECK NO.: */*

3. COMMENTS

SIGNED *M. A. Carbin*
DATE *8/12/96*

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

1. FEE CATEGORY AND AMOUNT: *3P* *\$290*

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

3. OTHER

SIGNED
DATE

Log *Aug 23*
Remitter
Check No. *035334*
Amount *\$2,934.22*
Fee Category *3P*
Type of Fee *3P*
Date Check Rec'd
Date Completed *9/23/96*
By *BA*

*Remainder of
was for annual fees
Exempted from
Louis*

1996 AUG 14 PM 3:35