

MATERIALS LICENSE

Amendment No. 09

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

1. LIFECEM INCORPORATED

2. 8 King Road
Rockleigh, New Jersey 07647In accordance with the letter dated
September 16, 1996,3. License Number 29-18399-01 is amended in
its entirety to read as follows:

4. Expiration Date December 31, 2001

5. Docket or
Reference No. 030-150096. 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. Iodine 125

A. Prepackaged Kits

A. 19 millicuries

9. Authorized use

A. In vitro laboratory testing.

CONDITIONS

10. Licensed material shall be used only at licensee's facilities located at 8 King Road, Rockleigh, New Jersey.
11. A. Licensed material shall be used by, or under the supervision of Robyn Spyckaboer, or Linda Kruger.
- B. Radiation Safety Officer for this license is Robyn Spyckaboer.
12. Licensed material shall not be used in or on human beings.
13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
14. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash, provided:
- A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives.
- B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

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PDR ADOCK 03015009
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

29-18399-01

Docket or Reference Number

030-15009

Amendment No. 09

- C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
15. 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 June 28, 1989
 - B. Letter dated February 6, 1991
 - C. Letter dated June 19, 1991
 - D. Letter dated September 12, 1991
 - E. Letter dated January 28, 1994
 - F. Letter dated March 2, 1995

NOV 22 1996

Date _____

For the U.S. Nuclear Regulatory Commission

Original Signed By:

John D. Kinneman

By _____

Nuclear Materials Safety Branch

Region I

King of Prussia, Pennsylvania 19406

NOV 22 1996

Anthony Sbaratta
Director
Quality Systems and Regulatory Affairs
LIFECHEM INCORPORATED
8 King Road
Rockleigh, NJ 07647

Dear Mr. Sbaratta:

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. The new expiration date is stated in Item 4 of the 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:
John D. Kinneman

John D. Kinneman, Chief
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

License No. 29-18399-01
Docket No. 030-15009
Control No. 123716

Enclosure:
Amendment No. 09

DOCUMENT NAME: R:\WPS\MLTR\L2918399.01

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	N			
NAME	SLodhi		JKinneman				
DATE	11/18/96		11/21/96		11/ /96		11/ /96

OFFICIAL RECORD COPY

ML 10

DNMS TELEPHONE CONVERSATION RECORD

Person Called: Anthony Sbarrata, Director Phone No.: (201) 767 7070
Ext. 5875

Person Calling: Sattar Lodhi Date: 11/18/96

Facility Name: LifeChem Laboratory Services Time: 10:00 a.m.
Northvale, NJ

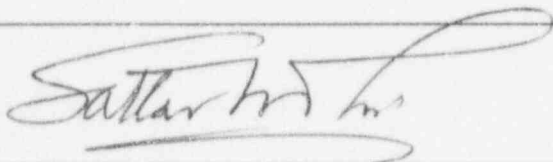
License No. 29-18399-01 Docket No. 030-15009

Subject: Training documentation of an AU

Summary: I called Mr. Sbaratta to document the training and experience of Betty Lim to be an authorized user. He stated that she is new coming to the company. He stated that at the present time, they will keep only two authorized users and after she has acquired enough experience they will request later to put her on the license. He asked me how she will qualify to be an authorized user. I informed him that she could work under the supervision of any of the two authorized users until she has acquired sufficient experience of working with I-125.

Action Required/Taken: Document/do not include Betty Lim

Signature:



Mail Control No. 123716

OFFICIAL RECORD COPY

ML 10

NATIONAL
MEDICAL
CAREMS 6
Q2

November 14, 1996

Dr. Saltar Lodhi, Health Physicist
Medical Inspection Station
Division of Radiation Safety
and Safeguards
US Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Re: License No. 29-18399-01
Docket No. 030-15009

Dear Dr. Lodhi:

The following information is submitted in support of a request to amend our Material License to reflect the following changes under the CONDITIONS section:

11. A. Licensed material shall be used by, or under the supervision of,
Robyn Spyckaboer, Linda Kruger, Betty Lim

An amendment fee of \$300 has been forwarded to Brenda Brown of your License Fee and Debt Collection branch under separate cover (see attachment). Please reference mail control number 123716.

If additional information is required, please contact me at 201-767-7070, extension 5875.

Sincerely,

A. Sbaratta, Director
Quality Systems and Regulatory Affairs

attachments

LifeChem (East Coast Lab)
8 King Road, Rockleigh, NJ 07647
Fax: 201-768-6423
201-767-7070 • 800-205-5005

LifeChem (West Coast Lab)
6416 Variel Avenue, Woodland Hills, CA 91367
Fax: 818-340-0682
818-340-0055 • 800-626-4334

123716

MNSB TELEPHONE CONVERSATION RECORD

Person Called: A. Sbaratta, QA Manager Phone No.: (201) 767 7070
Person Calling: Sattar Lodhi Date: 9/25/96
Facility Name: LifeChem Incorporated Time: 2:30 p.m.
 Northvale, NJ
License No. 29-18399-01 Docket No. 030-15009

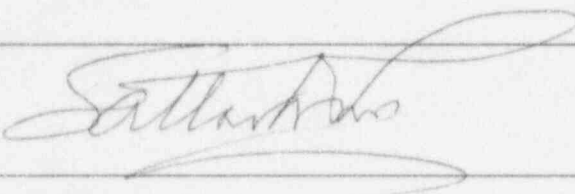
Subject: Qualifications of proposed AUs

Summary: I called Mr. Sbaratta to request:

- (1) the training and experience of the proposed authorized users, in using radioisotopes; and if
- (2) other users currently on the license are to be deleted.

He stated that he misunderstood the supervision part of the license condition and thought the head of the laboratory operations must be in the license. He stated that Mr. Sherman Paper does not have any experience in the use of radioisotope, but Mr. Sumilang does have the needed experience. He would send documentation of Mr. Sumilang's experience.

Action Required/Taken: Document/wait for response

Signature: 

Mail Control No. 123716



030-15009

September 16, 1996

Jenny M. Johansen, Chief
Medical Inspection Station
Division of Radiation Safety
and Safeguards
US Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Re: License No. 29-18399-01
Docket No. 030-15009

Dear Ms. Johansen:

The following information is submitted in support of a request to amend our Material License to reflect the following changes under the CONDITIONS section:

- 11. A. Licensed material shall be used by, or under the supervision of,
Sherman Paper, M.S., Roderico Sumilang, or Linda Kruger.
- E. Radiation Safety Officer for this license is Roderico Sumilang.

An amendment fee of \$300 has been forwarded to Brenda Brown of your License Fee and Debt Collection branch under separate cover (see attachment).

If additional information is required, please contact me at 201-767-7070, extension 5875.

Sincerely,

A. Sbaratta, Director
Quality Systems and Regulatory Affairs

attachments

OFFICIAL RECORD COPY **ML 10**

123716

RODERICO J. SUMILANG

OBJECTIVE

A dynamic quality-oriented laboratory manager with over 20 years of demonstrated team leadership talents, strong organizational and communication skills including personnel management, cost control and team building. Proven technical expertise in all areas of the clinical laboratories including experiences in a high testing volume environment and current knowledge of all applicable regulatory/guidelines (CLIA, CAP, JCAHO, NJSDH, NYSDH, OSHA, etc). Extensive customer service orientation and good working knowledge of laboratory information systems.

EXPERIENCE

- NMC/LIFECHEM LABORATORY SERVICES
Interim Laboratory Manager, March - June 1996.
- NMC/LIFECHEM LABORATORY SERVICES
Administrative Supervisor/Technical Supervisor, February 1989 - present.
- BERGEN PINES COUNTY HOSPITAL
Medical Technologist, March 1982 - present.
- BIO-DYNAMICS CLINICAL LABORATORY
Laboratory Supervisor, March 1987 - February 1989
- CLINICAL LABORATORIES - NEW YORK- NEW JERSEY AREA
Technical Consultant, 1985 - 1989
- LAGUARDIA HOSPITAL
Microbiology Supervisor, June 1981 -July 1985
- BROOKDALE HOSPITAL MEDICAL CENTER
Microbiology/Serology Supervisor, September 1974 - May 1981.
- ST. MARY'S HOSPITAL DIVISION OF THE CATHOLIC MEDICAL CENTER
Medical Technologist/Microbiologist, September 1969 - September 1974
- METHODIST HOSPITAL OF CENTRAL ILLINOIS
Medical Technologist, July 1969 - September 1969

EDUCATION

- FAIRLEIGH DICKINSON UNIVERSITY
TEANECK, NJ
12 credits - MBA program, 1993

- FAR EASTERN UNIVERSITY
MANILA, PHILIPPINES
Bachelor of Science in Medical Technology, 1967
- METHODIST HOSPITAL OF CENTRAL ILLINOIS
PEORIA, ILLINOIS
ASCP Internship Program, 1969
- USAF HOSPITAL, CLARK
ANGELES CITY, PAMPANGA, PHILIPPINES
FEU Affiliate Internship Program, 1967

CERTIFICATIONS

- CALIFORNIA STATE LICENSE
MEDICAL TECHNOLOGIST # 34665
- ASCP CERTIFICATE
SPECIALIST IN MICROBIOLOGY #00160
- ASCP CERTIFICATE
MEDICAL TECHNOLOGIST #68420
- NYC DH LICENSE
LABORATORY SUPERVISOR # 55-016584
- NYCDH LICENSE
LABORATORY TECHNOLOGIST # 52-43699
- NJS CIVIL SERVICE EXAM
MICROBIOLOGIST 4
- NJS CIVIL SERVICE EXAM
MEDICAL TECHNOLOGIST

PROFESSIONAL ACTIVITIES

- NATIONAL PAMET-USA (THE PHILIPPINE ASSOCIATION OF MEDICAL TECHNOLOGISTS)
PRESIDENT, 1988 - 1992
- NEW JERSEY CHAPTER PAMET
PRESIDENT, 1987 - 1991
- AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
MEMBER, SINCE 1969
- AMERICAN SOCIETY FOR MICROBIOLOGISTS
MEMBER

AWARDS

- OUTSTANDING MED TECH OF THE YEAR
PAMET-USA, AUGUST 1992

- COMMUNITY LEADERSHIP AWARD
NY PHIL-AM LION/LIONESS CLUB, MARCH 1990

SKILLS

- COMPUTER SKILLS IN WINDOWS ENVIRONMENT
QUATRO PRO
EXCEL
WORDPERFECT
DELTA PRO

SUMMARY:

Accomplished and service driven Laboratory Administrator with over 10 years of diversified activities with a nationally prominent reference laboratory. Particular expertise in:

- Leadership as Technical Director
- Strategic and Financial Planning and Control
- Vendor Relations, Contracting and Management
- Remote Site and Facilities Management
- Quality Assurance/Quality Control and Regulatory Affairs
- Phlebotomy Management

**PROFESSIONAL
EXPERIENCE:**

SMITHKLINE BEECHAM CLINICAL LABORATORIES, Owings Mills, MD

(1987 - 1995)

Remote Site Manager 1994 - 1995

*Super 95
in
concrete*

Managed off-site functions at 30 locations and four stat laboratories. Directed all functions of stat laboratories. Negotiated and oversaw all leases and contracts. Budget responsibility of \$7MM and staff of 70. Accomplishments included:

- Restructured largest Stat Laboratory to save 15% in FTE expenses while maintaining all service levels.
- Increased remote site presence by negotiating three new, company owned locations.
- Implemented new system to target contract renewals.

Support Services Manager 1993 - 1994

Managed Patient Service Centers (23 locations), oversaw all facilities management, safety, Quality Assurance and regulatory affairs. Staff of 30. Accomplishments included:

- Initiated quarterly phlebotomy meetings to allow face-to-face, two-way communication for wide spread geographical area.
- Negotiated single source contract phlebotomy group for 20% cost savings over prior year's expense.

Technical Director 1987 - 1993

Managed technical operation interfacing with clients, overseeing facilities management, purchasing, safety, Quality Assurance and MIS. Budget responsibility of \$6MM with staff of 65. Accomplishments included:

- Designed model 40,000 square foot facility to house new laboratory.
- Headed project management team for newly designed facility and brought it in under budget by 5% and one week ahead of schedule.
- Organized facility for it's initial College of American Pathologists (CAP) inspection.
- Developed consulting program for "Physician Office Laboratory."

PHYSICIAN SERVICES LABORATORY, (Bought out by SBCL)

Executive Vice President 1987 - 1988

some designs

*20-25
people*

*usually
20-25
people*

Managed all aspects of \$3MM operation to include technical sales, billing and collection, and all other support services. Staff of 75. Accomplishments included:

- Increased collections by 30% in first six months.
- Decreased operating expenses by 20% in first six months.
- Developed and implemented transition from private ownership (PSL) to integration with SmithKline Beecham.

Path
MARYLAND MEDICAL LABORATORIES, Baltimore, MD (1985 - 1987)

Corporate Quality Assurance 1986 - 1987

Path
Staff position to oversee quality control and licensure for all technical departments. Accomplishments included:

- Developed computer based file manager system to maintain corporate QA data.
- Performed pre-CAP (College of America Pathologists) inspections.
- Developed computer based system for MSDS (Material Safety Data Sheets) safety files.

Bought by Bio Science
Operations Supervisor - Serology/Immunology 1985 - 1986

Integrated technical components and administrative activities for staff of 15 people. Handled staffing and scheduling while performing bench functions.

BIO-SCIENCE LABORATORIES (1978 - 1985)

Progressive leadership positions at three geographic locations. Company sponsored relocations from Maryland to South Florida and South Florida to New York. Sales experience for 1 1/2 years during expansion of lab services from hospital market to include the private physician market.

SOUTH BALTIMORE GENERAL HOSPITAL, Baltimore, MD (1973 - 1975)

Medical Technologist

Worked emergency laboratory of 500 bed hospital. Duties included chemistry, hematology, microbiology, blood bank, and blood gas analyses on all shifts.

EDUCATION: M.S., Human Genetics, Minor Immunology, Catholic University, Washington, D.C.
B.A., Biology, Minor Chemistry, Western Maryland College, Westminster, MD

MILITARY: Maryland Army National Guard, E6 SSG N.C.O.I.C. Laboratory, Honorable Discharge

AFFILIATIONS/ MEMBERSHIPS: Member AACC (American Association of Clinical Chemists)

LICENSURE: State of Florida Supervisors License - Chemistry and Serology
State of Florida Analyst License for Blood Alcohols
New York City Supervisors License - Multi-discipline
Breath Alcohol Technician (DOT)
Breath Alcohol Trainer (DOT)

THE CATHOLIC UNIVERSITY OF AMERICA

UPON THE RECOMMENDATION OF THE FACULTY OF
THE SCHOOL OF ARTS AND SCIENCES

WITH THE APPROVAL OF THE ACADEMIC SENATE
HAS CONFERRED UPON

SHERMAN BRUCE PAPER

THE DEGREE OF

MASTER OF SCIENCE

WITH ALL THE HONORS RIGHTS AND PRIVILEGES PERTAINING THERETO
GIVEN UNDER THE SEAL OF THE UNIVERSITY BY VIRTUE OF THE
AUTHORITY VESTED IN THE BOARD OF TRUSTEES BY THE CONGRESS
OF THE UNITED STATES AT WASHINGTON IN THE DISTRICT OF COLUMBIA
THIS TWENTY-EIGHTH DAY OF FEBRUARY NINETEEN HUNDRED AND SEVENTY-EIGHT.



Clarence C. Walton
PRESIDENT

Richard W. Galilee
CHAIRMAN OF BOARD OF TRUSTEES

Joseph C. Michalowsky
REGISTRAR

Western Maryland College

To all to whom these presents shall come Greetings

Be it known that

Sherman Bruce Paper

having completed the Course of Study prescribed in this College is admitted to the degree of **Bachelor of Arts** *and is entitled to the Rights, Privileges, and Immunities thereto pertaining here or elsewhere*

Given at Westminster in the State of Maryland this fourth day of June in the year of our Lord One Thousand Nine Hundred and Seventy-two.

Witness the Seal of the College and the Signatures hereunto affixed



Lowell Euser
President

William Robbins Ridington
Secretary of the Faculty

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02410
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20011231
FEE COMMENTS: _____
DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: LIFECEM INCORPORATED
RECEIVED DATE: 960920
DOCKET NO: 3015009
CONTROL NO.: 123716
LICENSE NO.: 29-18399-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: _____
CHECK NO.: _____

3. COMMENTS

SIGNED
DATE

M. A. Perkins
9/20/96

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

1. FEE CATEGORY AND AMOUNT: 3P 8300

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

AMENDMENT ✓
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED
DATE

Log	<u>Sept 1</u>
Remitter	<u>NATIONAL MEDICAL CARE</u>
Check No.	<u>085179</u>
Amount	<u>\$ 300</u>
Fee Category	<u>3P</u>
Type of Fee	<u>Amend</u>
Date Check Rec'd	<u>10/2/96</u>
Date Completed	<u>10/2/96</u>
By:	<u>SA</u>

SEP 26 AM 7:37