



MIDWEST RESEARCH INSTITUTE

425 Volker Boulevard
Kansas City, Missouri 64110
Telephone (816) 753-7600
Telefax (816) 753-8420

July 11, 1990

Mr. John D. Jones
Material Licensing Section
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Jones:

As per our phone conversation on June 27, 1990, I have attached the education and experience of Mr. Larry Little, for evaluation and NRC approval as an authorize user of radioactive material on license 24-02564-02. Control number for renewal is 82596.

Mr. Little has been employed at MRI as a Chemist for five years and has worked with radioactive material under the direct supervision of Frank Pallas, a NRC approved authorized user. Please review Mr. Little's resume and experiences for authorization to use Tritium, Carbon-14 and Nickel-63 isotopes. If approval is granted, please add his name as an authorized user to our byproduct material license during the renewal process.

If you require additional information or clarification, please contact me at (816) 753-7600 ext. 5492.

John L. Lovelace
John L. Lovelace
Radiation Safety Officer

cc:

Larry Little
Frank Pallas
Bert Maidment
Gene Podrebarac

Log	July 18 th
Register	
Check No.	2416
Amount	300
Fee Category	309
Type of Fee	
Date Check Rec'd.	
Date Completed	
By:	

RECEIVED
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REGION III

FEE UNPAID

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24-02564-02 PDR

CONTROL NO. 89844

LARRY LITTLE
Associate Chemist

EDUCATION

B.S. (magna cum laude), Chemistry and Biology, Avila College, 1985
Graduate Course Work in Analytical Chemistry and Pharmacy, University of Missouri-Kansas City

AREAS OF SPECIALIZATION

- Identification and quantitation of test chemicals and metabolites in biological samples
- Biological extraction, HPLC, GC, UV, IR, NMR, radiochemical, wet chemistry techniques, polarimetry, inorganic and nonaqueous titrations, and computer data handling

PROFESSIONAL EXPERIENCE

June 1985-Present, Midwest Research Institute, Kansas City, Missouri

Associate Chemist (6/88-present), Assistant Chemist (7/86-5/88), and Junior Chemist (6/85-6/86). Responsible for the analysis of test chemicals in plasma and other biological matrices, the evaluation of bulk chemicals, the evaluation of radiolabeled chemicals, the evaluation of pharmaceutical stability samples, the analysis of formulated dose solutions, and the identification and purity analysis of chemotherapeutic agents. Additional responsibilities include analytical method development, dose formulation development, study design, and staff training. Has participated actively in many toxicology and metabolism studies at MRI, especially those supported by the NCI antitumor and anti-AIDS drug development programs and through the NTP. Has also been involved in several industrial metabolism and pharmaceutical stability projects.

HONORS AND AWARDS

Dean's Honor Roll, Avila College, 1981-1985
Kappa Gamma Pi (scholastic honorary society)
Delta Epsilon Sigma (scholastic honorary society)

CONTINUING EDUCATION, SPECIAL SEMINARS, WORKSHOPS, AND TRAINING

Protein Separation, Hewlett Packard, 5/90
Inorganic Ion Chromatography, Waters, 4/90
Biological Research, Waters, 6/88
Radiation Safety, MRI, 12/85 (Recertification: 1986, 1987, 1988, 1989)

CONTROL NO. 89844 1

PUBLICATIONS AND REPORTS

Powell, R., L. W. Little, and D. D. Smith, "Eine Wohngemeinschaft von *Physalaemus pustulosus* (Cope, 1864) (Saltatoria: Leptodactylidae) mit einer bodenbewohnenden Vogelspinne," *Salimandra*, 20(4), 273-274 (1984).

El-hawari, M., D. S. Barrett, M. L. Stoltz, M. A. Stedham, P. M. Alm, J. E. Bronfman, and L. W. Little, "Preclinical Continuous Intravenous Infusion Toxicity Study of Flavone Acetic Acid (NSC-347512) in Beagle Dogs," NCI Contract No. N01-CM-17365, Draft Report (October 1985).

Stoltz, M., D. Czarnecki, L. Little, F. Pallas, and M. El-hawari, "Metabolism and Disposition of ¹⁴C-Labeled Isocyanate Derivative Following Oral and Inhalation Exposure: Preliminary Studies," Industrial Client, Draft Final Report (August 1986).

El-hawari, M., M. Stoltz, F. Pallas, P. Alm, L. Little, D. Czarnecki, and E. Murrill, "Assay Development and Preclinical Pharmacology Studies with Caracemide (NSC-253272)," NCI Contract No. NCI-CM-37604, Final Report (September 1986).

El-hawari, M., M. Stoltz, B. Maldinger, and L. Little, "Pharmacokinetics and Bioavailability of 2',3'-Dideoxyinosine (NSC-612049) in Beagle Dogs," NCI Contract No. N01-CM-67932-02, Final Report (June 1987).

El-hawari, M., M. Stoltz, P. Alm, L. Little, and L. Laber, "Disposition and Metabolism of a ¹⁴C-Labeled Phosphonic Acid Derivative," Industrial Client, Final Report (June 1987).

Englehart, P., F. Pallas, L. Little, S. Cummins, and F. Bergman, "Investigation of Contaminant Enrichment on Fine Dust Particles," EPA Contract No. 68-02-3999, Final Report (September 1987).

El-hawari, M., M. Stoltz, M. Stedham, B. Maldinger, and L. Little, "Preclinical Toxicology and Pharmacokinetics of 2',3'-Dideoxyinosine (NSC-612049) Following Continuous Intravenous Infusion in Beagle Dogs," NCI Contract No. N01-CM-67932-03, Final Report (May 1988).

Stoltz, M. L., B. Maldinger, L. Little, and M. El-hawari, "Bioavailability of 2',3'-Dideoxy-2'-fluoro-ara-adenosine (NSC-613792) in Beagle Dogs: Preliminary Studies," NCI Contract No. N01-CM-67932-05B, Final Report (July 1988).

Stoltz, M. L., B. Maldinger, L. Little, and M. El-hawari, "Bioavailability of Different Oral Formulations of 2',3'-Dideoxyinosine (NSC-612049) in Beagle Dogs," NCI Contract No. N01-CM-67932, Draft Report (September 1988).

Pallas, F., L. Litle, and E. Murrill, "Analysis of a Phosphonic Acid Derivative, Fluoride and Calcium in Rodent Bone Samples," Industrial Client, Final Report (January 1989).

Stoltz, M., L. Litle, and M. El-hawari, "Pharmacokinetics and Dose Range Finding of Pyrazoloacridine (NSC-366140) in Beagle Dogs," NCI Contract No. N01-CM-87202, Final Report (January 1989).

El-hawari, M., M. Stedham, M. Stoltz, R. Lopez, L. Litle, and T. Douglas, "Acute Toxicity and Pharmacokinetic Studies with Pyrazoloacridine (NSC-366140)," NCI Contract No. N01-CM-87202, Final Report (June 1989).

Pallas, F., L. Litle, "Preparation of ³H-Fluticasone Propionate Solution and Ointment (0.05%) Formulations," Industrial Client, Final Report (April 1990).

Pallas, F., L. Litle, "Standard Purification and Certification Analyses of Sodium-γ-Hydroxybutyrate," Industrial Client, Final Report (April 1990).

Ray, G., M.V. Jrook, L. Litle, "Clinical Biological Sample Analyses - Hepsulfam," NCI Contract No. N01-CM-73713, Report No. 1 (May 1990).

Litle, L., F. Pallas, "Analysis of Fluoride in Rat Bone Samples," Industrial Client, Draft Final Report (June 1990).

LARRY LITTLE
Associate Chemist

Mr. Little specializes in the identification and quantitation of test chemicals and metabolites in biological samples. He is skilled in biological extraction, HPLC, GC, UV, IR, NMR, radiochemical, and wet chemistry techniques, polarimetry, inorganic and nonaqueous titrations, formulation chemistry and computer data handling.

Mr. Little is responsible for analyzing test chemicals in plasma and other biological matrices, evaluating bulk chemicals, evaluating pharmaceutical stability samples, analyzing formulated dose solutions and maintaining the Institute's radiochemical liquid chromatographic instrumentation. He also is involved in the identification and purity analysis of chemotherapeutic agents. Additional responsibilities include analytical method development, dose formulation development, study design, and staff training.

Since joining MRI in 1985, Mr. Little has participated actively in many toxicology and metabolism studies, especially those supported by the NCI antitumor and anti-AIDS drug development programs. He has also been involved in many industrial metabolism and pharmaceutical stability projects. He has also worked with a variety of tritiated and carbon labelled materials.

In 1985 Mr. Little graduated magna cum laude from Avila College with a B.S. in Chemistry and Biology. He was on the Dean's Honor Roll from 1981 to 1985 and was selected to Kappa Gamma Pi and Delta Epsilon Sigma (scholastic honorary societies). Mr. Little has taken graduate analytical chemistry and pharmacy courses at the University of Missouri-Kansas City.

Special training has included a biological research course with Waters in 1988, a seminar in Inorganic Ion Chromatography with Waters in 1990, and a seminar in protein separations with Hewlett Packard in 1990. He completed MRI's radiation safety course in 1985 and has been annually recertified since then.

AUTHORIZED USERS' TRAINING AND EXPERIENCE

	Where Trained	Years + Duration of Training	On the Job	Formal Course
Larry Little	Avila College Kansas City, Mo	4 Yr. (1981-85)	NO	NO
	University of Missouri Kansas City, Mo	2 Yr. (1985-86)	Yes	NO

EXPERIENCE

Isotope	Maximum Amount	Where Experience Gained	Experience	Use
3-H	30 mCi	Midwest Research Institute	1 Yr	Preparation and analysis for Dintment formulation
14-C	1 mCi	Midwest Research Institute	5 Yr	Radiotracers in metabolism and methods development
Ni-63	15mCi	Midwest Research Institute	5 Yr	G.C. operation

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SHIPPING ORDER

MIDWEST RESEARCH INSTITUTE

425 Volker Boulevard, Kansas City, Missouri 64110

103702

☐ SALE ☐ RETURN FOR CREDIT

☒ TRANSFER ☐ EXCHANGE

REFER TO THIS NO. IN
ALL CORRESPONDENCE

TO Mr. John D. Jones
Material Licensing Section
United States Nuclear
Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

DATE July 12, 1990

VIA Federal Express - Standard.

☒ PREPAID

INSURE: ☐ YES

☒ NO

☐ COLLECT

AMOUNT

REQUESTED BY

CHARGE

REFERENCE

J. Lovelace

5341

QUANTITY	DESCRIPTION OF MATERIAL	PRESENT LOCATION
1	letter and Documentation requesting approval of L. Little as authorized isotope user by NRC	

SIGNED

R. F. T.

PACKING SLIP