



LIONVILLE LABORATORY INC.

RECEIVED  
REGION 1

'05 APR 26 A10 :14

April 25, 2005

Mr. John D. Kinneman, Chief  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety  
US Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

RE: License No. 37-19378-01, Changes of Personnel

03017514

Dear Mr. Kinneman:

Lionville Laboratories Incorporated (LvLI) is requesting the following changes to the above referenced license

Item 11. A.

Delete the following authorized users : Brad Bowser, J. Michael Taylor, Stephen D. Wesson, Dustin A. Walker

Add the following authorized users (experience summaries attached) : Nicki Perrone, Jaqueline Perry.

Item 11. B

Change the RSO from Brad A. Bowser to Iain Daniels.

An experience summary has previously been submitted for Mr. Daniels as an authorized user, and additional information is being supplied on the attached profile

Thank you for your assistance in this matter.

Sincerely,

Carter P. Nulton, Vice President  
Lionville Laboratories Incorporated

136945  
NMSS/RGNI MATERIALS-002

**IAIN DANIELS, C.CHEM., MRSC  
LABORATORY MANAGER**

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**Registration**

Registered Professional Chemist in UK

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**Fields of Competence**

Environmental analytical chemistry, including sample collection, sample preparation, and analytical techniques employed for characterization of radiologically contaminated, hazardous and nonhazardous materials.

Analytical method development and validation, quality control, equipment and instrumentation maintenance.

Occupational and Radiological safety management.

Hazardous, Mixed and Low Level radioactive waste management

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**Experience Summary**

More than 25 years of experience in the following areas:

- Management of \$5 million per year laboratory, performing analysis of environmental samples, with responsibility for all aspects of laboratory operations
- Primary point of contact for numerous facility audits with regard to radiation protection, waste disposal and safety. Auditors include NRC, DOE contractors, PADEP.
- Authored the most recent application for material license No. 37-19378-01, and additional amendments and clarification requests.
- Maintain a radionuclide inventory system to verify compliance with license limits.
- Perform yearly internal audit of radiation protection program as per 10 CFR 20.1101(c).
- Tracking of internal and external dosimetry and documentation
- Management of hazardous, Mixed and LLR Waste activities, including disposal.

- Management and treatment of laboratory mixed waste streams in accordance with NRC license requirements.
- Manage shipment of hazardous materials (including radioactive materials)
- Supervised mobile/onsite analytical laboratories at remote locations capable of performing a complete array of environmental analyses, including pesticides, PCBs, volatiles, hydrocarbons, stack emissions, and metals.
- Developed HPLC and GC methods for pharmaceutical and pesticide formulations.
- Analytical laboratory manager for pesticide formulation facility.
- Trained staff in laboratory procedures and methods.

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## Credentials

B.S., Chemistry , Royal Society of Chemistry (1984)

Chartered Chemist, Member of the Royal Society of Chemistry (1986)

40 Hour OSHA Hazardous material response (1990)

WESTON Radiation training seminar (1990)

Laboratory Safety Right to Know training (1990)

DOT hazardous material training (2001 and 2004)

Nuclear regulatory Commission regulations, 10 CFR Parts 19, 20, 21, 30, 31, 40, 70, 71, and 73, (Independent study, 1999 to present)

Introduction to Health Physics, Herman Cember, (independent study, 2003)

OSHA regulations, 29 CFR Part 1910, (independent study, 1999 to present)

EPA hazardous waste regulations, 40 CFR Parts 260 to 262, 268 and 273 (independent study, 1999 to present)

EPA TSCA regulations for PCB's, 40 CFR Part 761, (Independent study, 1999 to present)

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## Employment History

### **2001-Present Lionville Laboratory Incorporated (formerly Recra Environmental, Inc.)**

- 2001-Present Laboratory manager – Responsible for management, of a \$5 million per year, environmental testing laboratory.
- 1999-Present Chemical Hygiene Manager – Responsible for safety and regulatory compliance including radiological, throughout the laboratory
- 1999-Present Hazardous Waste Manager – Responsible for management and disposal of waste in accordance with Federal and State regulations.
- 1999-Present Environmental Compliance Manager – Responsible for assuring compliance with Local, State and Federal regulations governing air and water discharges.

### **1997-2001 Recra Environmental, Inc. (formerly Weston Lionville Laboratory)**

See above for LVLI, and also:

- 1997-2001 Inorganic Section Manager – Responsible for management of metals and inorganic chemistry sections of the laboratory.
- 1994-1999 Project Manager – Responsible for set up and management of a \$1 Million per year laboratory at an EPA superfund site in Holbrook Massachusetts.
- 1995-1997 Sample Preparation Section Manager – Responsible for management of organic and inorganic sample preparation

### **1990-1997 Roy F. Weston, Inc., Lionville Laboratory**

See above for Recra and also:

- 1990-1994 Project Manager/Laboratory Supervisor – Responsible for set up, management and operation of numerous mobile/onsite laboratories in various location within the country.

**1989-1990 Controlled Therapeutics Corp. – Method development chemist, responsible for devising and validating analytical procedure for pharmaceutical products.**

### **1979-1988 ICI PLC, Agrochemical Division, UK**

- 1986-1988 QC laboratory manager – Responsible for management of QC laboratory at a major pesticide formulation facility.
- 1984-1986 Method development chemist – Responsible for development of analytical methods for pesticide formulations.
- 1984-1986 QC laboratory supervisor – Responsible for day to day supervision of QC lab.
- 1979-1984 QC analyst – Responsible for analysis of pesticide formulation samples.

## RADIOACTIVE MATERIAL EXPERIENCE SUMMARY

Name NICKI PERRONE

Title INORGANIC CHEMISTRY  
SUPERVISOR

Isotopes	Max. Quantities	Form	Location	Duration	Type of Use
Source Material (Uranium and Thorium excluding special nuclear material)	Up to 500 nCi/g (parent activity only; total activities >1 µCi/g)	Contamination in environmental samples	Weston / RECRA / Lionville Laboratory Inc.	1996 TO PRESENT ↓	Analytical Procedures
Tritium	Up to 1 µCi/g	Tritiated water in environmental samples	Weston / RECRA / Lionville Laboratory Inc.		Analytical Procedures
Special Nuclear Material (Plutonium/Enriched Uranium)	Up to 10 nCi/g	Contamination in environmental samples	Weston / RECRA / Lionville Laboratory Inc.		Analytical Procedures
Misc. Contaminants (typically Cs-137, Cs-134, Co-60, Sr/Y-90, Tc-99, Eu-152, Eu-154, Am-241, Cu-244, I-129, Np-237)	Less than 100 nCi/g	Contamination in environmental samples	Weston / RECRA / Lionville Laboratory Inc.		Analytical Procedures
					As a Gas Chromatograph (GC) component

Signature Nicki Perrone

Date 4-19-05

## RADIOACTIVE MATERIAL EXPERIENCE SUMMARY

Name Jacqueline Perry

Title SAMPLE RECEIPT SUPERVISOR

Isotopes	Max. Quantities	Form	Location	Duration	Type of Use
Source Material (Uranium and Thorium excluding special nuclear material)	Up to 500 nCi/g (parent activity only; total activities >1 µCi/g)	Contamination in environmental samples	Lionville Laboratory Inc.	2001 TO PRESENT ↓	Analytical Procedures
Tritium	Up to 1 µCi/g	Tritiated water in environmental samples	Lionville Laboratory Inc.		Analytical Procedures
Special Nuclear Material (Plutonium/Enriched Uranium)	Up to 10 nCi/g	Contamination in environmental samples	Lionville Laboratory Inc.		Analytical Procedures
Misc. Contaminants (typically Cs-137, Cs-134, Co-60, Sr/Y-90, Tc-99, Eu-152, Eu-154, Am-241, Cu-244, I-129, Np-237)	Up to 100 nCi/g	Contamination in environmental samples	Lionville Laboratory Inc.		Analytical Procedures
Pu239, Sr90, Th230, Tritium	Up to 10 nCi per source	Sealed sources	Lionville Laboratory Inc.		Radiation instrument calibration and verification

Signature Jacqueline Perry

Date 4/19/05

This is to acknowledge the receipt of your letter/application dated

4/25/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 37-19378-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136945.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R1)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 03225  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: 1D 2C 3P  
 : Exp. Date: 20111004  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Reqd: Y  
 : .....

LICENSE FEE TRANSMITTAL

A. REGION 1

1. APPLICATION ATTACHED  
 Applicant/Licensee: LIONVILLE LABORATORY, INC.  
 Received Date: 20050426  
 Docket No.: 3017514  
 Control No.: 136945  
 License No.: 37-19378-01  
 Action Type: Amendment

2. FEE ATTACHED  
 Amount:           /            
 Check No.:           /          

3. COMMENTS  
 Signed Rebecca Fenwick  
 Date 5/3/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:  
 Amendment \_\_\_\_\_  
 Renewal \_\_\_\_\_  
 License \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
 Date \_\_\_\_\_