

RECEIVED
REGION 1

2006 AUG 14 PM 1:04

USGS-FISC-Gainesville
7920 NW 71st Street
Gainesville, Florida 32653

Nuclear Regulatory Commission - Region I
Atten: LAT
475 Allendale Road
King of Prussia, PA 19406

Br. 2

August 11, 2006

Ref: License No. 09-25420-01

03034625

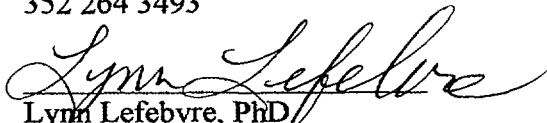
This letter is written to request the termination of above license for the USGS facility in Gainesville, Florida. All radioactive materials and waste have been removed from the facility and decommissioning of all laboratories has been completed.

A copy of the facility decommission history has been attached to this letter.

Thank you for your time in this matter. Please contact me if you have any questions or need more information.



Carla Wieser
Fisheries Biologist
RSO
352 264 3493



Lynn Lefebvre, PhD
Section Leader, Wildlife, Invasives, Contaminants

139272
NMSS/RGNI MATERIALS-C02

I certify that no residual radioactive contamination is present in the laboratories, hallways, offices and on any equipment at USGS, 7920 NW 71st Street, Gainesville, Florida 32653. Swipe surveys were used to demonstrate this. All surveys conducted on site must be below 100 DPM, if any surface or instrument was found to be > 100 DPM it was decontaminated and resurveyed until it fell below 100 DPM.

There are no radioisotopes or radioactive waste present at this site.

Carl Wiser

RSO

USGS

7920 NW 71ST ST

Gainesville, FL

32653

August 11, 2006

Documentation of transfer of all radioactive material from USGS to the University of Florida. This transfer took place on March 22, 2006.

USGS

Radioactive Material Transfer Record

Shipper: Dr. Tim Gross

USGS Room number 15

Ship Date: March 22, 2006

License #: 09-25420-01

Approved By: Dr. Tim Gross (Radiation Control Officer) 3/22/06

Receiver: Don Monroe

Building/Room #: 175 - Radiation Control

Receipt Date: March 22, 2006

License #: FL 356-1

Approved By: Don Monroe
Don Monroe (Radiation Control Officer) 3/22/06

Radioactive Materials Description – Attached

Signatures:

Carla Wieser

Carla Wieser – Authorized User – USGS

Dr. Tim Gross

Dr. Tim Gross – RSO – License # 09-25420-01

Don Monroe

Don Monroe – RSO – University of Florida

RADIOISOTOPE INVENTORY

updated 3/20/06

Tritium

<u>Compound</u>	<u>Activity</u>
Corticosterone	< 1.5 mCi
Cortisol	< 250 uCi
DHT	< 250 uCi
EE2	< 200 uCi
Estradiol	1.5 mCi
Progesterone	< 0.5 uCi
Prostaglandin - E2	< .05 mCi
Prostaglandin - F2 α	< .05 mCi
Testosterone	1.5 mCi
11KT	5.5 mCi

Carbon 14

<u>Compound</u>	<u>Activity</u>
Androstenedione	< 50 uCi

This compound was never used or opened at this USGS facility. It was only stored in its original container.

Carl
Whisen R50 - USGS - F15C
GAINESVILLE

Timeline for Termination of License # 09-25420-01 for USGS-FISC

Dr. Timothy Gross no longer works for this USGS facility so the procedures for decommission and termination of License 09-25420-01 was begun on March 20, 2006.

Isotopes were transferred from this USGS facility to the University of Florida on March 22, 2006. Transfer paperwork is attached to this plan.

All waste was removed from Room 15 (RIA lab) and placed in the outside waste shed on March 24, 2006.

Initial surveys were conducted in Room 15 to assess the status of the laboratory and equipment March 23rd and March 24th 2006.

A survey was conducted on two pieces of equipment (Gamma Counter and Centrifuge) before they were allowed to leave the Facility. A record of those surveys is on file. These pieces of equipment were transferred to UF on March 22, 2006.

The NRC and USGS were informed of Dr. Gross' departure and guidance for the proper procedures was solicited. This e-mail dated April 12, 2006.

An amendment letter dated April 19, 2006 was sent to the NRC requesting amendments to the license to reflect the changes that have occurred and that this Facility will be terminating this license once the Facility has been decommissioned and the waste removed.

Final laboratory, office, hallway and equipment surveys were conducted between April 17th and April 27th. These results will be kept on file a minimum of three years after termination of the license. I will send a final swipe survey to Darrell Lyles at the USGS facility in Denver to verify my results.

Liquid Scintillation Counter was transferred to UF on May 4, 2006. A record of the survey performed on the LSC before transfer is on file.

I placed a call to our local waste removal company (Perma-Fix of Florida). Left a phone message for Earl Fisher on May 19th to have him come to our facility to give me an estimate of cost to remove all waste.

We received our license amendment on May 24, 2006.

Earl Fisher visited the facility the week of June 5th to set up a quote for removal of the waste stream.

Received quote from Perma-Fix on 6/26/06.

Put in request for funds 6/27/06.

Contract awarded to Perma-Fix of Florida on 7/19/06.

Waste removed on 8/9/06.

Letter sent to NRC requesting termination of license # 09-25420-01 sent on August 11, 2006.

All decommissioning surveys are on file at USGS. These surveys will be maintained for a minimum of three years. Any and all copies of these surveys will be provided upon request.

Carly
Wheat
RSO
USGS-FISC

Example of swipe survey form used for weekly swipe tests. As per license if a period of inactivity occurred in the laboratories then a monthly swipe test was performed. All records of swipe tests will be kept at USGS for a minimum of three years after termination of the license.

Isotopes used at this lab were in RIA procedures only.

RADIATION / CONTAMINATION SURVEY

PRINCIPAL INVESTIGATOR: _____

Date: _____

SURVEYOR: _____

Contamination Survey Results:
 Counting Instrument: Model & Serial
Packard 1600CA #A1600-101533

Detection Efficiency 61 % for Isotope 3H

RADIONUCLIDES USED: 3H 125I

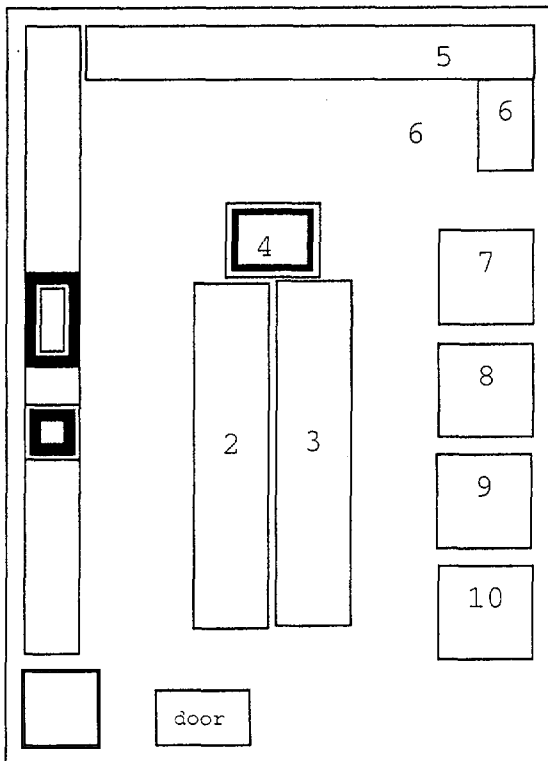
SURVEY TYPE: **WEEKLY**

- Caution Signs Posted yes no N/A
- Waste Facilities Posted & Neat yes no N/A
- Inventory up to Date yes no N/A
- Work Areas Clean yes no N/A
- Survey Meter Calibrated yes no N/A
- Survey Meter Operation Verified yes no N/A
- With Dedicated Check Source yes no N/A

Vial #	Swipe ID	Net CPM	Net DPM *	Post DPM #
2	Bench			
3	Bench			
4	Sink			
5	Bench			
6	+ waste			
7	LSC			
8	- 80°			
9	Frig			
10	C-fruge			
11	\$ Random			
12	@ glass			
13	@ misc			
14	@ vials			

Vial #1 on printout is background count

DETAILED LABORATORY LAYOUT



***Areas of greater than 100 dpm/swipe must be resurveyed and documented**

Post Decontamination dpm

DPM = Gross CPM minus background divided by the efficiency of the counting instrument for the particular isotope.

+ - waste containers for glass, misc, vials and liquid.

\$ - will be noted on laboratory layout and printout sheet

@ - waste barrels located in outside building

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL BIOLOGICAL SURVEY

SOUTHEASTERN BIOLOGICAL SCIENCE CENTER

7920 N.W. 71ST ST.

GAINESVILLE, FL 32653

WIESER

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300



Nuclear Regulatory Commission
Region I
Attn: LAT
475 Allendale Road
Kingston, VA 22080
19406

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

8/11/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Termination 09-25420-01 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** 139272.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.