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

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

October 25, 2006

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Ref: License No. 09-25420-01 Docket No. 03034625 Control No. 139272

Subject: Additional information requested concerning USGS-FISC application for termination of License No. 09-25420-01.

Dear Mr. Lawyer:

Below is the additional information you requested in your letter dated October 6, 2006.

- 1) A) beta energy ranges:

 Standard H3
 0.0 18.6 KeV

 C14
 12.0 156 KeV

 Duel label
 0.0 12.0 KeV
 - B) Counting efficiencies for: H3: 61%, C14: 80 – 95%, I125: 70%
- 2) I have submitted the drain wipe test to Darrell Liles and will send you the result of that swipe test once I receive it.
- 3) Instrument used to conduct scan survey of Room 15. Ludlum Model 44-3 probe serial number PR196719 Ludlum Model 3 Survey Meter serial number 189281 Detection Check source serial number 2278 Act approx 1.04 CI Reads approx 27K CPM

Scanned Room 15 on 10/24/06 and swiped any area that read > 250 - 300 CPM. Those swipes have been sent to Darrell Liles and I will send you the results of those swipes as soon as I receive them.

NMSS/RGNI MATERIALS-632

139272

2006 OCT 30 AM

Please contact me if you are in need of any other information pertaining to the decommissioning and termination of license 09-25420-01.

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Carla Wieser Fisheries Biologist RSO 352 264 3493

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felore m Lynn Lefebvre, PhD.

Section Leader, Wildlife, Invasives, Contaminants

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janelia farm RADIOACTIVE MATERIALS AUTHORIZED USER (NRC) EXPERIENCE FORM

	AUTHORIZ	TRAINING AND EXPERIENCE		OFFICER			
1. Name of Proposed Authorized User or Radiation Safety Officer				2. For Physicians, State or Territory where Licensed			
<u></u>		3. Certification					
Specialty A	Board	Category B		Month and Year Certified C			
· · · · · · · · · · · · · · · · · · ·	4. Training	Received in Basic Radioisotope Handlir	ng Teo	chniques			
Field of Training A		Location and Date(s) of Training B		Type and Le Clock Hours in Lecture or Laboratory		ngth of Training Clock Hours of Supervised On- The-Job Experience	
a. RADIATION PHYSICS AND INSTRUMENTATION		Univ. Of Colorado, Boulder 05/1986 Washington University, St. Louis 04/1995 Annual ALARA training (1986-2005)		3 3 1 (per year)		4 years 9 years	
b. RADIATION PROTECTION		Same as above		Same as above		Same as above	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY		Same as above		Same as above		Same as above	
d. RADIATION BIOLOGY		Same as above		Same as above		Same as above	
e. RADIOPHARMACEUTICAL CHEMISTRY							
5. Experience	with Radiation or	Radioactive Materials (Actual use of Rad	lioisot	opes or Equ	ivale	nt Experience)	
Isotope/Source	Activity Used at one time (mCi / MBq)	Location	Clock Hours			Type of Use	
P-32	0.01- 5.0 mCi	Univ. Of Colorado, Boulder (1986) MRC Laboratory, Cambridge, England (1990-95)	10 years		Nucleic acid detection		
S-35 H-3	0.01- 5.0 mCi 0.015mCi	Washington University, St. Louis, MO (1995 -2006)	9 years			cleic acid detection litric oxide assay	

Verification	Swipe for waste shed and Room 15
Swipes sen	t to Darrell Liles
RSO - USG	S
Swipe #	ID
	Waste Shed
1	outside handle of waste shed
2	outside doors of waste shed
3	doorstop
4	front half of floor
5	back half of floor
6	top shelf
7	bottom shelf
8	back wall
9	wall on right
10	wall on left
	Room 15
11	lab bench 1
12	lab bench 2
13	sink
14	freezer
15	refrigerator
16	lab bench 3
17	doorway
18	floor 1
19	floor 2
20	floor 3

Results of Verification swypes from Waste Shed and Room 15 that were sent to Danell Liles as per my decommission letter sent September 19,2006.

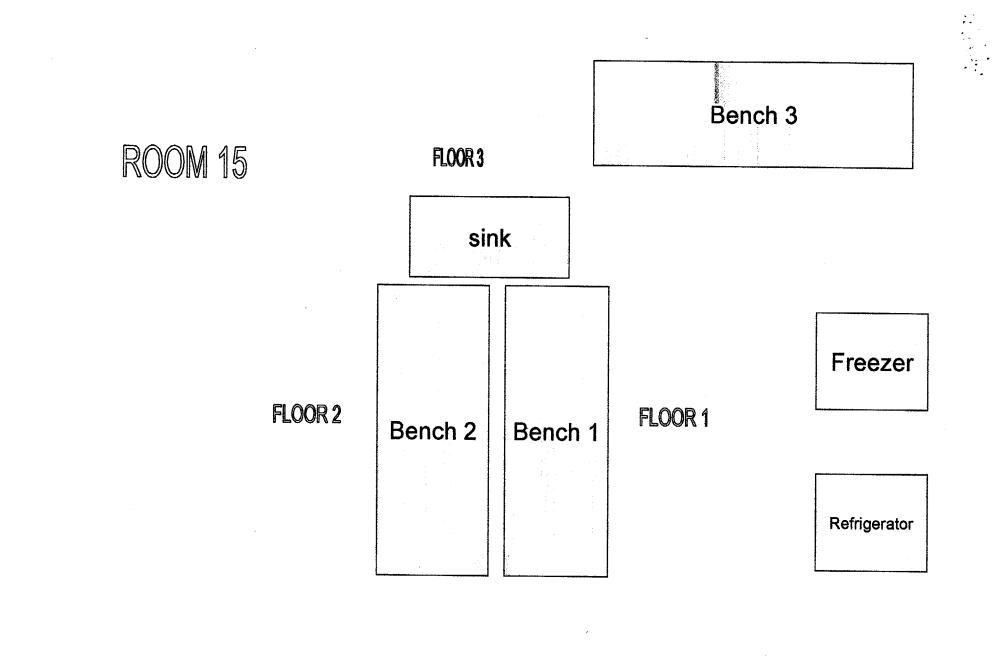
TETRES CALIBRATION: Maxi - 22 SEP 2006 15:54 Talibratión súccessful

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	PRESET TIME : DATA CALC : COUNT ELANK : TWO FRACE: STINITUL ATOR: LOW LEVEL :	MES MC LICETD	ICH IND ARC IND LLMEX: NO	SAMPLE REFEA REFLICATES CYCLE REFEATS LOW SAMPLE RE COFFECTION DAT	: 1 5.: 1 EJ: 0	PRINTER RG232	: STD : OFF
., -	ISOTOPE 1: ISOTOPE 2: ISOTOPE 3:		ROR: 0.00 ROR: 0.00 ROR: 0.00	FACTOR: 1.00	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	SUB: SUB: SIB:	0

ALPHA-BETA DISCRIMINATION: NO

SAM POS TIME SI-4 SI-5 SI-4 SI-6 S	
NO MIN DPM XERROR DPM XERROR DPM XERROR DPM XERROR DPM XERROR DPM XERROR CPM XERROR X TIME B1 ##-1 2.00 26.50 27.47 18.50 32.88 7.00 53.45 6.76 2.27 Blank Average DPM for 3H 26.50 DDEF. DF VAR: 0.000 Blank Average DPM for 1251 18.50 DDEF. DF VAR: 0.000 Blank Average DPM for 14C 7.00 DDEF. DF VAR: 0.000 1 ##-3 2.00 2.00 524.40 -0.50 1.50 371.18 1.14 4.67	\$
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2.00 202.84 0.80 26.25	
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13 **-3 3.00 1.E+05 0.81 31.15	
14 W.A. D. 00 1.210 0.07 1.2100 0.67 33.55	
15 44-5 3 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
14 *** 2 00 107/20 1,08 38.35	
17 44-7 0.00 107/10 1.43 40.75	
19 ye 0 00 1.11 0 1.110 - 1.10 - 2.00 1.1108 /.15 43.19	
19 yu 0 40 1 40 40 40 40 40 40 40 40 40 40 40 40 40	
20 **-10 2.00 1.50 696.02 -6.50 1.E+06 -0.50 1.E+06 3.80 50.43	

BECKMAN LS6000 LL S/n 7065943



Doorway