

September 27, 2006

Licensing Assistant Section
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Rd.
King of Prussia, PA 19406-1415

Br. 2

RECEIVED
REGION I
2006 OCT -6 PM 1:05

License # 29-09831-01 03000886

Re: Deletion of Dr. Allen Blake and Dr. Heping Zhou from the radiation license.

Dear Mr. Thompson:

This letter is to inform you of the request to be deleted from the radiation program made by Dr. Allan Blake and Dr. Heping Zhou and the decommissioning of Dr. Allan Blake's laboratory. Neither researcher will have any need for radiation for the foreseeable future in their research.

Dr. Blake last used I^{125} on 04/08/03 and sent his last stocks of I^{125} to the disposal room on 09/04/03. Dr. Blake never used any other isotopes although he was licensed for H^3 , C^{14} , P^{32} , P^{33} and S^{35} .

Swab tests were run of the areas where radiation was used in the laboratory. Samples were counted for I^{125} and analyzed using a Wallac 1470 Automatic Gamma Counter serial number 4701339. It was last calibrated on 1/30/06 with a counting efficiency of 64.1% and a background of 15 CPM.

Enclosed are the following:

- 1) A map of Dr. Blake's lab showing areas where swab tests were performed.
- 2) Gamma counter printout of the swab tests performed.
- 3) Maintenance record for the Wallac Gamma Counter.

Dr. Heping Zhou has never used isotope while at Seton Hall University. Dr. Zhou was slated to use Dr. Sulie Chang's laboratory for any radioisotope work, and since Dr. Chang will continue to work with radioisotopes, there was no laboratory decommission necessary. Please remove Dr. Zhou from our license.

Office of the Dean
College of Arts and Sciences
400 South Orange Avenue • South Orange, New Jersey 07079-2687

139526
NMSS/RGNI MATERIALS-002

I hope this satisfies your request. If you have any further questions please do not hesitate to call me at 973-761-9039.

Sincerely,

A handwritten signature in black ink, appearing to read "David R. Edwards". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

David R. Edwards, CHMM, RSO

Cc. Dr. Fredrick Travis; Provost, Dr. Sulie Chang w/o attachments.

Scanned 05-12-06

Ludlum Model 3
serial # 131775

Ludlum Model 44-4 probe
serial # 059692

Calibrated 14-Dec-2005

Background 100 cpm

Laboratory 100 cpm

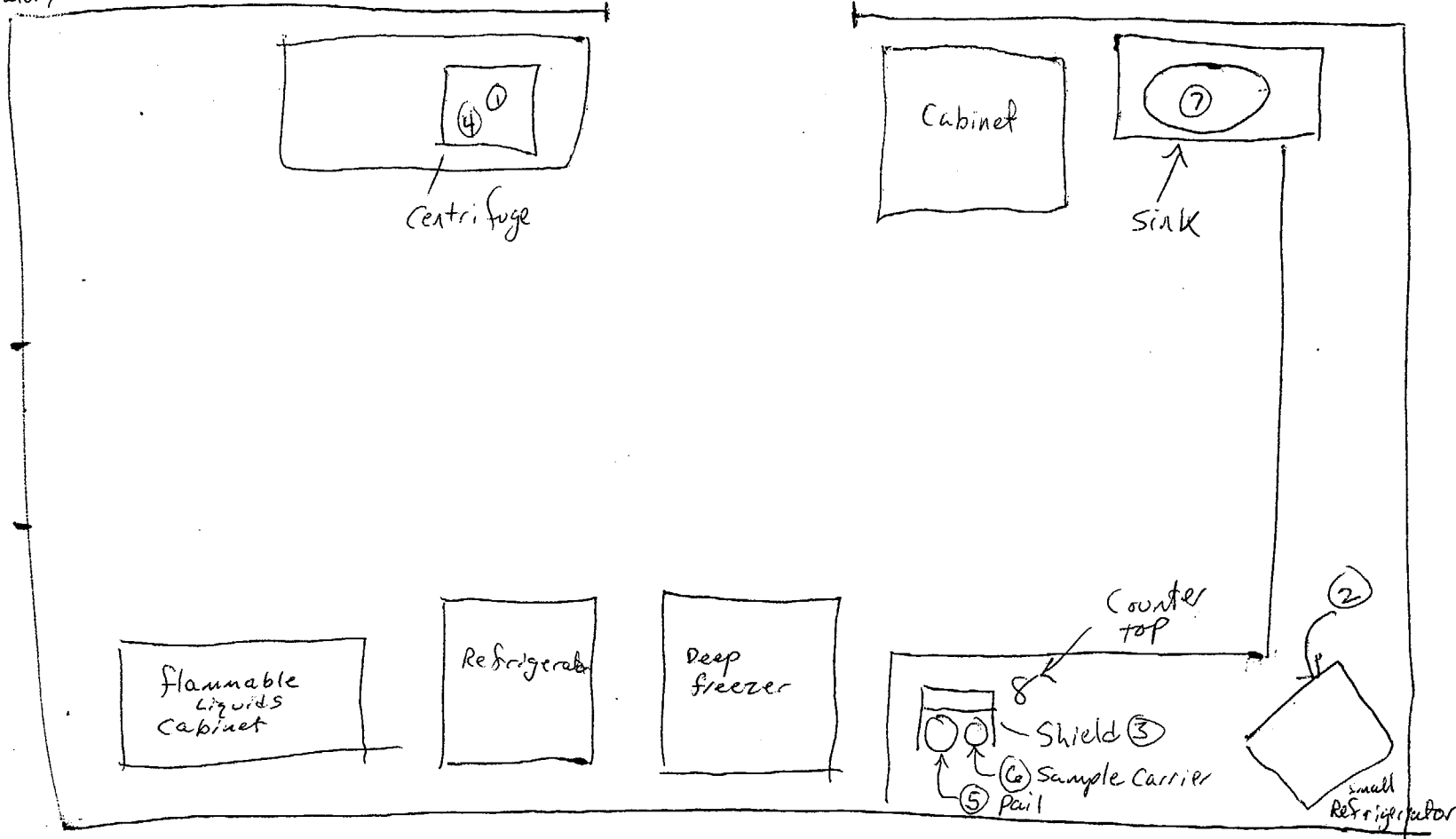
No Detectable

Contamination.

All readings were
background.

Surveys were performed
on all areas where swab
tests were taken.

Dr Allan Blake's Laboratory
Rm 214



Samples

① Centrifuge rotor tub

② Small refrigerator door
and cabinet

③ Back & shield (Leucite)

④ Centrifuge rotor + tube holders

⑤ Bucket for waste

⑥ Sample carrier interior

⑦ Sink Trap

⑧ Countertop around
radioactive work area

⑨ Blank

COUNTING

1470, program 3.4

BACKGROUND NORMALIZATION 19-Sep-2006 13:52:56

Counting time 600

Counts per minute:

DFEN 218.1
I-125 15.4
I-129 8.3
Cs-137 28.0

VALUES SAVED

END OF BACKGROUND NORMALIZATION

Datalogger file: B:\RESULT\BGR_556.T

1470, program 3.4

ASSAY 19-Sep-2006 14:04:09

Protocol id 4 YHJ
Time limit 30
Count limit 99999999
Isotope I-125
Protocol date 03-Aug-2000 12:43:52
Run id. 75

POS	RACK	DET	BATCH	TIME	COUNTS	CPM	ERROR %	
1	1	1	1	30	8	0.6	926.61	
2	1	1	2	30	7	-1.4	395.25	
3	1	1	3	30	15	14.6	53.64	
4	1	1	4	30	16	17.5	46.96	
5	1	1	5	30	4	-8.2	48.91	
6	1	1	6	30	15	14.3	54.71	
7	1	1	7	30	3	-9.4	39.25	
8	1	1	8	30	5	-5.4	86.34	
9	1	1	9	30	14	12.6	60.08	- Blank swab
10	1	1	10	30	9	2.6	233.40	- Empty tube

END OF ASSAY

Datalogger file: B:\RESULT\A04_557.T

END OF COUNTING

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

9/27/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 29-09831-01 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** 139526.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.