September 27, 2006

U.S. Nuclear Regulatory Commission, Region I

King of Prussia, PA 19406-1415

Licensing Assistant Section Nuclear Materials Safety Branch

03000996

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

Dear Mr. Thompson:

License # 29-09831-01

475 Allendale Rd.

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 I¹²⁵ 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.

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

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

Sincerely,

David R. Edwards, CHMM, RSO

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

Dr Allan Blake's Laboratory Scanned 05-12-06 No Detectable Rn 214 Contamination. Ludlum model 3 All readings were Serial # 131775 background. Ludium model 44-9 probe Serial # 059692 surveys were performed Calibrated 14-Dec-2005 on all areas where swab Background 100 cpm tests were taken. 100 CPM Laboratory Cabinet Centri fuge SINK (ounter (2) TOP Refrigerabl Deep flammable freezer Liquids -Shield 3 Capinet Ce) Sample Carrier Refrigerator Countertop around radioactive work area Samples 1 Centrifuge rotor tub (2) Small refrigerator door Blank & Back of Shield (Leveite) (Centrifuge rotor + Tube holders 3 Bucket for waste

@ Sample corrier interior

(7) SINK Trap

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COUNTING
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1470, program 3.4

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

Counting time

600

Counts per minute:

OPEN 218.1 [-125 15.4 1-129 8.3 Ss-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 1d 4 YHJ Time limit 30 99999999 Count limit I-125 (sotope

Protocol date

03-Aug-2000 12:43:52

Run 16.

FOS	RACK	υEĭ	8ATCH	TIME	COUNTS	CPM	ERKOR %		
† 1	1	1	1	30	8	0.6	926.61		
2	t	1	2	30	7	-1.4	395.25		
Ţ	1	1	3	30	15	14.6	53.64		
4	1	1	4	30	14	17.5	45.96		
Ş	1	1	Ş	30	4	-8,2	48.91		
á	1	1	5	30	15	14.3	54.71		
7	1	i	7	30	3	-9.4	39.25		
ä	į	1	8	30	5	-5,4	86.34		
Ģ	1	1	9	30	14	12.6	60.08 -	Blank	swab
10	1	į	10	30	9	2,6	233.40 -	Empty	tube

END OF ASSAY

Datalogger file: B:\RESULT\A04__557.T

END OF COUNTING



Wallac Inc.

9238 Gaither Road Gaithersburg, MD 20877

Maintenance record							
Model # 1470-001 S/N 470/339	Contrac	t#					
Date Service performed	HV	Eff	Bkg	Rep			
3/5/19 INSTALLED			15	RNIT			
3/K/ CK OUT UNIT		\leq		RMT			
Histor Bree PM				W.			
Digley MOVE UNIT - PIII				19/11			
1/30/04 PM				PM			

9/27/200	the receipt of your letter/application dated and to inform you that the initial processing which we review has been performed.			
technical reviewer. F	istrative omissions. Your application was assigned to a Please note that the technical review may identify additional additional information.			
Please provide to this	s office within 30 days of your receipt of this card			
., ,	as been forwarded to our License Fee & Accounts Receivable tyou separately if there is a fee issue involved.			
When calling to inquire	Your action has been assigned Mail Control Number 1395db. 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 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader			