

THE JOHN B. PIERCE LABORATORY

"PHYSIOLOGY AND HEALTH IN THE MODERN ENVIRONMENT"



AFFILIATED WITH YALE UNIVERSITY

Nina Stachenfeld, Ph.D., RSO
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February 23, 2015

Michael Reichard
Health Physicist
Commercial, Industrial, R&D and Academic Branch
Division of Nuclear Materials Safety

06-02354-02

REC'D 03/10/15 #0703

RE: Renewal of NRC License John B. Pierce Laboratory Docket No. 03014580

Dear Dr. Reichard,

As per our conversation on Monday, February 23rd, I am enclosing the necessary information in response to the request for additional information letter sent January 23, 2015 regarding our license renewal.

The decommissioning report along with swipe tests for the laboratory that stored these isotopes is included. The use of C-14 and H-3 has not been conducted in the Pierce laboratory within the last 15 years. Attempts to obtain disposal records from Yale University Radiation Department were unsuccessful because their computer database can only retrieve invoices as far back as 2000, and there have been no C-14 or H-3 disposals after 2000. We have also included a letter from Dr. Justus Verhagen, Chair of the John B. Pierce Institutional Animal Care and Use Committee to indicate that there are no approved protocols for radioactive use in animals and have not been for at least eight years.

I believe this resolves all of the issues raised in your most recent letter regarding our request of renewal of our NRC license. However, please feel free to contact me or my assistant, Cheryl Leone, if you have any further questions. Thank you so much for your help in this matter.

Warm regards,

Nina Stachenfeld, Ph.D.

Encl.

585340

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Justus V. Verhagen, Ph.D.
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Associate Fellow, The John B. Pierce Laboratory
Associate Professor, Dept. Neurobiology, Yale School of Medicine
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To
Michael Reichard
Health Physicist
Commercial, Industrial, R&D and Academic Branch
Division of Nuclear Materials Safety

February 20 2015

Dear Dr. Reichard,

I am writing you concerning the use of radioactive materials in animal work, upon the request by Miss Cheryl Leone, Biological Safety Office at The John B. Pierce Laboratory.

I am the Chair of the John B. Pierce Institutional Animal Care and Use Committee. We currently do not have any approved or submitted animal protocols that incorporate the use of radioactive materials. I am further not aware of any plans from any of our PIs to start using such. Radioactive materials have not been used for animal work at the John B. Pierce Laboratory for at least 8 years now.

Please do not hesitate to contact me if you have any questions or concerns regarding this matter.

With kind regards,

Justus Verhagen, Ph.D.

A handwritten signature in black ink, appearing to read 'Justus Verhagen', with a long horizontal flourish extending to the right.

The John B. Pierce Laboratory

Affiliated with Yale University



Center for Research in
Health and the Environment

Established in 1933

203.562.9901
203.624.4950 fax

To Whom It May Concern:

Wipe Tests performed on 11/17/05 of Dr. Douglas's old laboratory, B14-B16. All equipment was subjected to a single wipe of portions of the outside and inside of the instrument. Wipe tests were counted by Aggie Barlow from Yale Radiation Safety.

Key:

1. Packard Tri-Carb LSC 20057
2. Sorvall Superspeed centrifuge
3. Beckman Model L Ultra Centrifuge
4. Packard Auto Gamma Scintillation Spectrophotometer
5. Refrigerator (outside)
6. Refrigerator (inside)
7. Packard Tri-Carb LSC 3255
8. Beckman LS 3801 LSC
9. Sink (left)
10. Sink (right)
11. Bench (right) for radioisotope work area
12. Bench (left) for radioisotope work area

P. Darrell Neuffer, Ph.D.

RSO

Gain: 1.00
Data Mode: CPM
Background Subtract: None
Nuclide: WIPES

*Pierce Lab wipe tests
from Dr Neuffer*

	LL	UL	LCR	2S%	BKG
Region A:	0.0 - 18.6		0	0.0	0.00
Region B:	18.6 - 167		0	0.0	0.00
Region C:	167 - 1710		0	0.0	0.00

Search Indicator: tSIE/AEC
Ext Std Terminator: Count
Eff 60% C14 Eff 76% C136 Eff 77%
Print Data Filename: c:\Wipedata\Wipe01.468

S#	TIME	CPMA	CPMB	CPMC	DPM-H3	DPM-C14	DPM-C136	tSIE	FLAG
1	1.00	15	10	13	25	13	17	425.54	
2	1.00	9	10	8	15	13	10	404.19	
3	1.00	8	11	7	13	14	9	438.84	
4	1.00	18	11	11	30	14	14	417.62	
5	1.00	11	5	8	18	7	10	413.78	
6	1.00	15	11	5	25	14	6	421.34	
7	1.00	23	7	7	38	9	9	414.61	
8	1.00	14	7	8	23	9	10	423.22	
9	1.00	10	8	8	17	11	10	408.03	
10	1.00	11	9	8	18	12	10	395.66	
11	1.00	13	10	14	21	14	18	419.19	
12	1.00	11	3	12	18	4	16	416.69	
13	1.00	16	6	14	27	8	18	350.77	

17 Nov. 2005

Rec'd 12 wipe tests from Dr. D. Neuffer of Pierce Labs.
Their LSC was not working, so as a courtesy to an
affiliated inst. student, I counted the wipe tests on our LSC.
There was no fee for this service.

The one minute counts of the wipe tests provided
did not demonstrate any evidence of radioactive
material distinguishable from background.

- Agnes Balor - CWP
RSO, Assoc. Director Yale - OEHS

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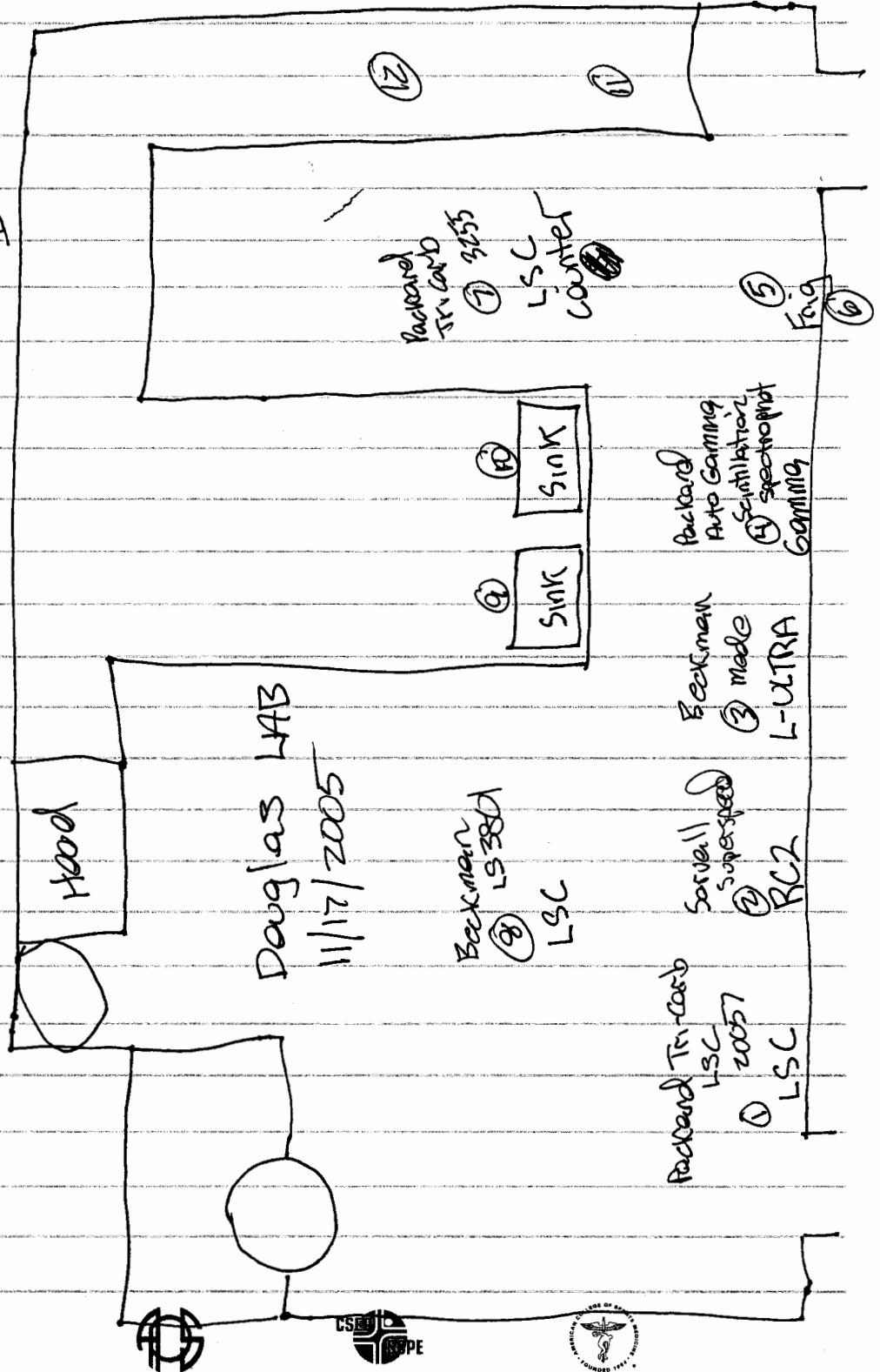


Phenylmethyl
 Sulfanyl Si-

Boron Trifluoride MEDH

Sephacryl
 S-200 Hk

Cyanostrom
 globin



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