

FEB 11 1997

Jerry C. Rosen  
Radiation Safety Officer  
University of Pittsburgh  
Radiation Safety Office  
Graduate School of Public Health  
G-7 Parran Hall  
Pittsburgh, Pennsylvania 15261

SUBJECT: NRC REGION I VISIT ON DECEMBER 4, 1996

Dear Mr. Rosen:

As Anthony Dimitriadis of my staff discussed with you on December 4, 1996, the Nuclear Regulatory Commission (NRC) has been reviewing records to ensure that facilities, where activities were authorized by Atomic Energy Commission (AEC) and NRC licenses that have been terminated, are suitable for release for unrestricted use in accordance with current NRC guidelines. As you may be aware, the NRC and its predecessor, the AEC, issue licenses that authorize the use of various radioactive materials.

A contractor for the NRC, Oak Ridge National Laboratory (ORNL), initially reviewed each terminated license file and scored it according to a system designed to identify facilities that require additional review by the NRC staff. In general, files that indicate that radioactive material may have been used at particular facilities, but do not include adequate final survey records for those facilities, are identified for our additional review. The review by ORNL identified License No. SNM-00336 issued to the University of Pittsburgh as a file describing a site that requires additional review. The NRC Region I staff reviewed this file and determined that additional action was necessary since the information in the file did not provide sufficient detail to conclude that a room in Parran Hall, at the University of Pittsburgh, Pittsburgh, Pennsylvania, meets current guidelines for unrestricted release.

On December 4, 1996, Anthony Dimitriadis of this office met with you to discuss the initial findings of the license review and licensed material use at the University of Pittsburgh, to determine whether radioactive contamination exists at the facility as a result of activities previously authorized by this license. Prior to meeting with you, the inspector reviewed the file and contacted you to acquire specific information regarding radioisotope use at this facility. The findings of this meeting were discussed with you at the conclusion of the meeting. No radiation levels above background were identified in the room housing the glove box at the facility.

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PDR ADDCK 07000359  
C PDR

RETURN ORIGINAL TO  
REGION I

IE:07

J. Rosen  
University of Pittsburgh

-2-

Based on this and the findings of your final surveys conducted on May 16, 1984, June 13, 1984 and September 21, 1984, the glove box and ventilation ductwork at 518 Parran Hall, at the University of Pittsburgh, are suitable for release for unrestricted use. Therefore, we plan no further actions on your property with regard to this license.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and your final status survey will be placed in the Public Document Room. We will also provide copies to representatives of the Commonwealth of Pennsylvania.

No reply to this letter is required. Your cooperation with us is appreciated. If you have any questions, please contact Anthony Dimitriadis at (610) 337-6953 or me at (610) 337-5200.

Sincerely,

**Original Signed By:**  
**Ronald R. Bellamy**

Ronald R. Bellamy, Chief  
Decommissioning & Laboratory Branch  
Division of Nuclear Materials Safety

License No. SNM-C0336 (Retired)  
Docket No. 070-00359

cc w/encl:  
Commonwealth of Pennsylvania

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J. Rosen  
University of Pittsburgh

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Distribution w/encl:

PUBLIC

Nuclear Safety Information Center (NSIC)

Region I Docket Room (w/concurrences)

P. Goldberg, NMSS

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DOCUMENT NAME: C:\ORNLFILE.S\UNVPITT.01

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NAME	ADimitriadis		RBellamy						
DATE	02/10/97		02/11/97		02/ /97		02/ /97		02/ /97

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CAMPUS MAIL TO:

Schell

AUTHORIZED  
USERDEPARTMENT  
& SECTIONBUILDING  
ROOM,  
PHONE EXT.

Rad. Health

A515 GSPH

UNIVERSITY OF PITTSBURGH RADIATION SAFETY OFFICE

## RADIONUCLIDE LAB SURVEY REPORT

LABORATORY  
LOCATION

518 GSPH

PRINCIPLE  
USE

Research

RADIONUCLIDES  
IN USE (LIST)

HIGHEST LAB HAZARD CODE (CIRCLE)

RED YELLOW BLUE WHITE

239 Pu, 243 Am, 241 Am

PERSONNEL DOSIMETERS  
IN USE (CHECK /)  
OR "NO"

BODY BADGES

RING

CONTAM. MONITOR (CHECK /)  
OR "NO"BATT. OK?  
CALIB. OK?RADIATION  
LABELS

DOOR

SINK

LOG  
USED?

HOOD

REFRIG.

STORAGE  
AREARAD WASTE  
CONTAINERSRADWASTE  
STORAGEPERMANENT  
CONTAINERYELLOW BAGS  
USED?CORRECT  
SEGREGATIONCONTAINER  
MR/HRGENERAL  
OBSERVATIONFOOD OR DRINK PREPARED/STORED IN LAB?  
(IF YES, DESCRIBE BELOW)OTHER UNSAFE RADIATION CONDITIONS?  
(IF YES, DESCRIBE BELOW)

REMARKS

Contamination survey of glove box to  
evaluate disposal.SUMMARY  
OF  
RESULTS  
(CHECK /)

LABORATORY APPEARS FREE FROM CONTAMINATION

CIRCLED AREAS SHOULD BE DECONTAMINATED

CALL FOR RE-SURVEY BY: 1 1

SURVEYED  
BY:REPORT  
DATE

5/18/84

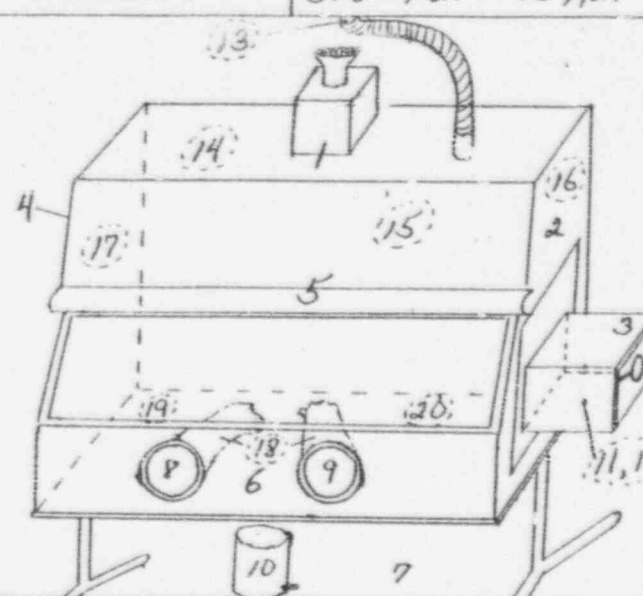
Glove Box  
TOOL DIAGRAM

BUILDING &amp; ROOM

518 Parran H.

SURVEY  
DATE

5/16/84



## KEY

CF Centrifuge  
GCT Gamma Counter  
RS Rad. Sink  
RH Rad. Hood  
RSA Rad. Storage Area  
RW Rad. Waste  
LSC Liq. Scint. Ctr.  
HW Hallway  
PCO Patient's Commode  
PSK Patient's Sink  
PBD Patient's Bed  
N/A Not Applicable

\* Survey Instrument  
Meter Readings  
mR/hr

CNTR. USED

Baird Atomic

BKGD

CTS/MIN

 $\alpha = 0.3$   $B, X = 24$ RATED EFFICIENCY  $\alpha = 45\%$   $B, X = 20$ 

MINIMUM REPORTABLE, TWICE BACKGROUND

#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET DISINTEGRATION PER MINUTE		#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET DISINTEGRATION PER MINUTE	
		$\alpha$	$B, X$			$\alpha$	$B, X$
1	Top, Filter Box	0	0	11	Inside Port	842	899
2	Rt. Side	0	0	12	" "	36	30
3	Entry Port	0	0	13	In. Exhaust Tube	0	0
4	Lt. Side	0	0	14	In. Top	2	0
5	Front, Window	0	0	15	In. Back	4	5
6	Front Panel	0	0	16	In. Rt. Side	32	22
7	Floor	0	0	17	In. Lt. Side	21	18
8	Inside Lt. Glove	0	0	18	Gloves	198	120
9	Inside Rt. Glove	0	0	19	In. Lt. Floor	38	21
10	Inside Waste Can	39	21	20	In. Rt. Floor	27	10

FOR CLARIFICATION CALL

(412) 624-2728



RADIATION SAFETY OFFICE  
UNIVERSITY OF PITTSBURGH  
PITTSBURGH, PENNSYLVANIA 15261

PLEASE POST FOR LAB PERSONNEL TO REVIEW

CAMPUS MAIL TO:

Dr. W. Schell

AUTHORIZED  
USERDEPARTMENT  
& SECTIONBUILDING  
ROOM,  
PHONE EXT.

Red Health

A515 GSPH

Glove Box  
ROOM DIAGRAM

BUILDING &amp; ROOM

518 Parran Hall

SURVEY  
DATE

6/13/84

UNIVERSITY OF PITTSBURGH RADIATION SAFETY OFFICE  
RADIONUCLIDE LAB SURVEY REPORTLABORATORY  
LOCATION

518 GSPH

PRINCIPLE  
USE

Research

RADIONUCLIDES  
IN USE (LIST)

HIGHEST LAB HAZARD CODE (CIRCLE)

RED YELLOW BLUE WHITE

 $^{239}\text{Pu}$ ,  $^{243}\text{Am}$ ,  $^{241}\text{Am}$ PERSONNEL DOSIMETERS  
IN USE (CHECK /) OR "NO"

BODY BADGES

RING

CONTAM. MONITOR (CHECK / OR "NO")

BATT. OK? CALIB. OK?

CNTR. USED

Nrc. Chicago

RATED EFFICIENCY 45%

BKGD CTS/MIN  
 $\alpha = 0.5$ 

MINIMUM REPORTABLE, TWICE BACKGROUND

RADIATION LABELS DOOR SINK LOG USED? HOOD REFRIG STORAGE AREA RAD WASTE CONTAINERS

RADWASTE STORAGE PERMANENT CONTAINER YELLOW BAGS USED? CORRECT SEGREGATION CONTAINER MR/HR

GENERAL OBSERVATION FOOD OR DRINK PREPARED/STORED IN LAB? (IF YES, DESCRIBE BELOW)

OTHER UNSAFE RADIATION CONDITIONS? (IF YES, DESCRIBE BELOW)

REMARKS

Survey performed after a "wipe down" cleaning of the inside of the glove box

Glove box moved to G-30 Parran on 9/26/84 for storage.

SUMMARY  
OF  
RESULTS  
(CHECK /)

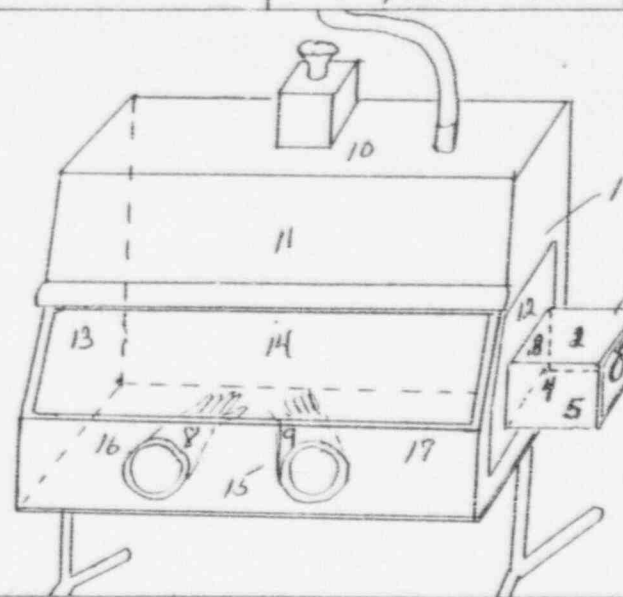
LABORATORY APPEARS FREE FROM CONTAMINATION

CIRCLED AREAS SHOULD BE DECONTAMINATED

CALL FOR RE-SURVEY BY: 1 1

SURVEYED  
BY:REPORT  
DATE

6/13/84



## KEY

CF Centrifuge  
GCT Gamme Counter  
RS Rad. Sink  
RH Rad. Hood  
RSA Rad. Storage Area  
RW Rad. Waste  
LSC Liq. Scint. Ctr.  
HW Hallway  
PCO Patient's Commode  
PSK Patient's Sink  
PBD Patient's Bed  
N/A Not Applicable

\* Survey Instrument  
Meter Readings  
mR/hr

#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET DISINTEGRATION PER MINUTE $\alpha$	#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET DISINTEGRATION PER MINUTE $\alpha$
1	Outside Lt	0	11	Back	29
2	In. Port Top	26	12	Rt Side	178
3	In. Port Back	8	13	Lt Side	60
4	In. Port Sides	6	14	Window	92
5	In. Port Bottom	6	15	Front	61
6	In. Port Front	9	16	Lt Floor	61
7	Outside Port	18	17	Rt Floor	62
8	Lt Glove	29	18		
9	Rt Glove	26	19		
10	Ceiling	15	20		

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UNIVERSITY OF PITTSBURGH  
PITTSBURGH, PENNSYLVANIA 15261

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CAMPUS MAIL TO:

Dr. W. Schell

AUTHORIZED  
USER

ROOM DIAGRAM

BUILDING &amp; ROOM

518 Parker

SURVEY

DATE

9/21/84

Rad. Health

DEPARTMENT  
& SECTION

A515 GSPH

BUILDING  
ROOM,  
PHONE EXT.

UNIVERSITY OF PITTSBURGH RADIATION SAFETY OFFICE

## RADIONUCLIDE LAB SURVEY REPORT

LABORATORY  
LOCATION

518 GSPH

PRINCIPLE  
USE

Research

RADIONUCLIDES  
IN USE (LIST)

HIGHEST LAB HAZARD CODE (CIRCLE)

RED YELLOW BLUE WHITE

239Pu, 243Am, 241Am

PERSONNEL DOSIMETERS  
IN USE (CHECK ?)  
OR "NO"

BODY BADGES

RING

CONTAM. MONITOR (CHECK)  
OR "NO"BATT. OK?  
CALIB. OK?

CNTR. USED

Beard Atomic & Nuclear  
Chicago  
B&G - 15RATED EFFICIENCY  $\alpha$  - 45%  $\beta, \gamma$  - 15%

BKGD

CTS/MIN

MINIMUM REPORTABLE, TWICE BACKGROUND

RADIATION  
LABELS

DOOR

SINK

LOG  
USED?

HOOD

REFRIG

STORAGE  
AREARAD WASTE  
CONTAINERSRADWASTE  
STORAGEPERMANENT  
CONTAINERYELLOW BAGS  
USED?CORRECT  
SEGREGATIONCONTAINER  
MR/HRGENERAL  
OBSERVATIONFOOD OR DRINK PREPARED/STORED IN LAB?  
(IF YES, DESCRIBE BELOW)OTHER UNSAFE RADIATION CONDITIONS?  
(IF YES, DESCRIBE BELOW)

REMARKS

Survey performed to evaluate fume hood  
and connecting duct work contamination.  
Contamination in duct work is within the  
acceptable limits for equipment release as  
specified by NRC.

SUMMARY  
OF  
RESULTS  
(CHECK/)

LABORATORY APPEARS FREE FROM CONTAMINATION

CIRCLED AREAS SHOULD BE DECONTAMINATED

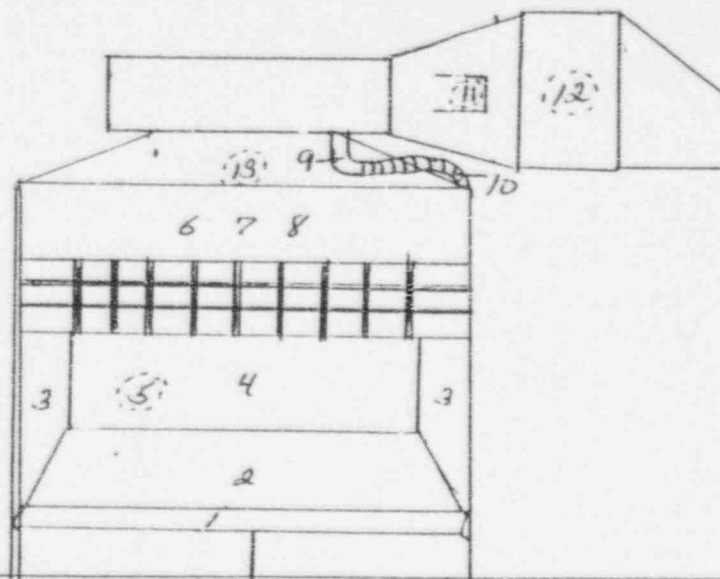
CALL FOR RE-SURVEY BY: 1 1

SURVEYED  
BY:

A. Shady

REPORT  
DATE

9/21/84



KEY

CF Centrifuge  
GCT Gamma Counter  
RS Rad. Sink  
RH Rad. Hood  
RSA Rad. Storage Area  
RW Rad. Waste  
LSC Liq. Scint. Ctr.  
HW Hallway  
PCO Patient's Commode  
PSK Patient's Sink  
PBD Patient's Bed  
N/A Not Applicable

\* Survey Instrument  
Meter Readings  
mR/hr

#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET COUNTS PER MINUTE $\alpha$	NET COUNTS PER MINUTE $\beta, \gamma$	#	LOCATION (100 CM <sup>2</sup> SMEAR)	NET COUNTS PER MINUTE $\alpha$	NET COUNTS PER MINUTE $\beta, \gamma$
1	ledge	0	$\uparrow$	11	inside hatch	15	$\uparrow$
2	hood base	0		12	inside HEPA area	8	$<15$
3	sides	0		13	hood filter area	11	$\downarrow$
4	back	0		14			
5	inside sash	0	$<15$	15			
6	light cover	0		16			
7	upper hood area	0		17			
8	upper duct area	0		18			
9	plenum port	0		19			
10	glove box hose	0	$\downarrow$	20			

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UNIVERSITY OF PITTSBURGH  
PITTSBURGH, PENNSYLVANIA 15261

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SCHOOL  
RADIATION HEALTH  
GRAPH A515

BUILDING  
& ROOM

ROOM DIAGRAM

G. D. H. 578A

9/26/84

CF Centrifuge  
GCT Gamma Counter  
RS Rad. Sink  
RH Rad. Hood  
RR Rad. Refrig.  
RSA Rad. Storage Area  
RW Rad. Waste  
LSC Scintillation Counter  
NA Not Applicable

\*Survey  
Instrument  
Reading

# RADIONUCLIDE LAB SURVEY REPORT

AUTHORIZED USER  
PHONE NO. Xd 732

- |    |                       |                  |                   |                          |                   |                   |                  |                   |                  |
|----|-----------------------|------------------|-------------------|--------------------------|-------------------|-------------------|------------------|-------------------|------------------|
| 1. | $^3\text{H}$          | $^{14}\text{C}$  | $^{133}\text{Xe}$ | $^{99\text{m}}\text{Tc}$ |                   |                   |                  |                   |                  |
| 2. | $^{35}\text{S}$       | $^{32}\text{P}$  | $^{67}\text{Ga}$  | $^{59}\text{Fe}$         | $^{51}\text{Cr}$  | $^{125}\text{I}$  | $^{36}\text{Cl}$ | $^{201}\text{Tl}$ | $^{57}\text{Co}$ |
| 3. | $^{45}\text{Ca}$      | $^{22}\text{Na}$ | $^{131}\text{I}$  | $^{60}\text{Co}$         | $^{137}\text{Cs}$ | $^{141}\text{Ce}$ |                  |                   |                  |
| 4. | Transuranics / Other: |                  |                   |                          |                   |                   |                  |                   |                  |

CONTAMINATION MONITOR:  
BATT. OK?  
CALIB. OK?

AREA

MR	HR
----	----

FOOD OR DRINK PREPARED/STORED IN LAB?

OTHER UNSAFE RADIATION CONDITIONS:

Survey performed after the removal of the glove box.

MINIMUM REPORTABLE, TWICE BACKGROUND

NET COUNTS  
PER MINUTE


20	10
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1	1
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**RADIATION SAFETY OFFICE  
UNIVERSITY OF PITTSBURGH  
PITTSBURGH, PENNSYLVANIA 15261**

PLEASE POST FOR LAB PERSONNEL TO REVIEW

9/83

LABORATORY APPEARS FREE FROM CONTAMINATION

CIRCLED AREAS SHOULD BE DECONTAMINATED.

SURVEYED BY Walter B. Jones

REPORT  
DATE 4/26/54