VOID SHEET

TO: License Fee Management Branch

FROM: III - James R. Mullauer

SUBJECT: VOIDED APPLICATION

Control Number: 304297

Applicant: Bayer Corporation

License Number: 13-02249-01

Docket Number: 030-04336

Date Voided: 8/24/98

Reason for Void: The licensee needs to perform a close-out survey prior to releasing certain facilities for unrestricted use. Since this is a major effort and will take a considerable amount of time, it was suggested and the licensee agreed that this action should be voided out. The licensee will provide the results of the closeout survey in a new amendment request at a later date. The licensee should be reimbursed any fees paid.

James Mullauer 8/24/98

Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

___ Refund Authorized and processed

√ No Refund Due SC 10/30/98

___ Fee Exempt or Fee Not Required

9811050259 980824
PDR ADOCK 03004336
C PDR

ML30
SAW

Comments: _____ Log completed ___

_____ Processed by:_____

_____

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03620
Status Code: 0
Fee Category: 3M
Exp. Date: 20001231
Fee Comments: 3M EFF 1/8/93
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: BAYER CORPORATION
   Received Date: 980810
   Docket No: 3004336
   Control No.: 304297
   License No.: 13-02249-01
   Action Type: Amendment

2. FEE ATTACHED
   Amount: 0
   Check No.: 0

3. COMMENTS

Returned for
Void 10/22/98

Signed
Date 8/13/98

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ✓ /)

1. Fee Category and Amount: 3M

2. Correct Fee Paid. Application may be processed for:
   Amendment ✓
   Renewal
   License

3. OTHER

Signed
Date

Log Aug 11 01
Remitter
Check No.
Amount
Fee Category 3M
Type of Fee AMD
Date Check Rec'd
Date Completed
By:

1998 AUG 12 PM 2:29

Bayer

Business Group
Diagnostics

Bayer Corporation
1884 Miles Avenue
P.O. Box 70
Elkhart, IN 46515-0070

August 4, 1998

Materials Licensing Section
U.S. Nuclear Regulatory Commission, Region III
801 Warrensville Rd.
Lisle, IL 60532-4351

RE: Bayer Corporation, Elkhart, Indiana
Byproduct Material License #13-02249-01
License Renewal\Extension

Materials License Reviewer:

In compliance with the rule "Timeliness in Decommissioning of Material Facilities", NRC Administrative letter 96-05, Bayer Corporation, Elkhart, IN submits the enclosed information.

The location of material use and/or storage will continue to be limited to the principle campus at 1884 Miles Avenue, in Elkhart, Indiana. All previous address references were deleted in May 17, 1993 letter, and March 4, 1995 letter detailing company name change with address street re-named to 1884 Miles Avenue. The Radiation Safety Officer, Shannon Gleason, and all other aspects of the Radiation Safety program continue as approved previously.

Certain buildings on the campus that utilized isotopes in the performance of research have been discontinued. NRC Administrative letter 96-05 recommends initiating the decommissioning process when "there has been a 24 month duration in which no principal activities have been conducted under license at the site or at any separate building". In consideration of this statement we are enclosing close-out surveys of rooms used in Buildings 3 & 9 on our campus. As these buildings are vacated, they may continue to be used for research or they may be torn down, as the future use is to be determined. However, in either case their principal use activity as licensed facilities will cease.

As research laboratories, some rooms were used occasionally for conducting pharmaceutical research with radioactive materials. These occasional uses were followed by routine wipe testing and close-out surveys after a period of inactivity. Both buildings were used under the management of an Isotope Safety Committee, a Radiation Safety Officer, and Area Radiation Safety Supervisors to manage the safe use of radioactive materials. During this period of time the Radiation Safety Officer was Kenyon D. Yoder. Several areas in Building 3 had limited and occasional use of H-3 and C-14 during the 1970's. Building 9 was used more extensively during the 1970's and 80's, with decreasing use during the late 1980's until only several rooms were in use in the early 1990's. Principle isotopes used were H-3; C-14; I-125; P-32 and occasionally Fe-59.

RECEIVED
AUG 10 1998
REGION III

Pm; 8-5-98

304297

Pursuant to the "Timeliness Rule" we request removal of the research laboratories in these two buildings from our licensed activities, with permission to revert the facilities to either other use or destruction. The only remaining facilities on this campus that are to be available for isotope use will continue to be the Building 18 research laboratory area, Building 17 research laboratory area, and the Building 9 basement maintenance core, which continues to contain the radioactive waste cage and pathological incinerator.

We trust the contents of this letter contain the information necessary to process this license renewal. If you have further questions, please phone (219) 262-6578.

Very truly yours,

Bayer Corporation

Shannon Gleason

Shannon Gleason, Ph.D.
Radiation Safety Officer

DATE: 8-11-98

CORRESPONDENCE CLARIFICATION SHEET

REVIEWER: MONTE PHILLIPS/SANDY FRAZIER

LICENSEE: BAYER

LICENSE NUMBER: 13-02249-01

The following correspondence has been received from the above licensee and it is not clear what action(s) is(are) required: Please review this correspondence and indicate which of the following applies, and please return to Debbie Hersey, or Ryan Te, as soon as possible.

☐ Additional Information to Control No. _____.
Process in as a new action, additional information, and no fee required.

☐ Process as new licensing action. Review has already been started on Control No._____ and this information cannot be combined with current in-house action.

☐ Can be combined with Control No. _____. Review has not started.

☐ Appears to be information for the license file - file it.

☐ Licensee is adding Nuclear Pharmacists.

Amendment is necessary _____. Amendment is not necessary _____.
(Information for license file)

☐ Licensee is adding authorized users.

A check is included _____. No check is included _____.

Amendment is necessary _____. Amendment is not necessary _____.
(This is a Notification)

☒ Process in as a new licensing action:

A. Amendment X ← Delete locations of use
B. Renewal _____
C. New License Application_____

☐ Other:_____

Thank You For Your Help!!! 01/28/98

AREA SURVEY REPORTING STATUS

Room No. Industrial Products Building No. 3
D. M. Haggerty Area

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Feb. 15, 1980
Date

Kenneth D. Yoder
Signature

This area was closed to isotope use on Feb. 1, 1980
and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to
_____.

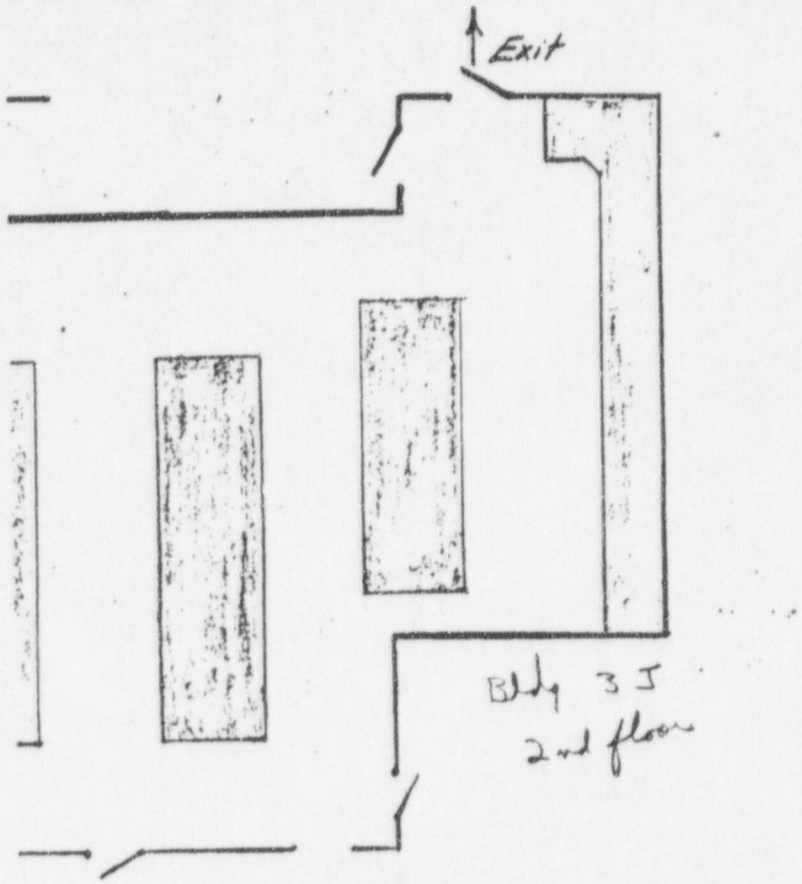
Feb. 15, 1980
Date

Kenneth D. Yoder
Radiological Control Officer

23 FEB 77

Robin:

E AREA SURVEY REPORT



For a while, at least, no radioactive work will be done in our area. The ^{14}C glycine·HCl and glycinamide·HCl are being stored in Ron Sommer's refrigerated isotope storage area, Bldg. #9.

The work area wipe tested as free from ^{14}C contamination. All glassware, etc. has either been wipe tested and shown to be free of ^{14}C, or disposed.

R.A. Schwenke

:s which may be appropriate at a given time, ımeter Whatman No. 1 filter paper disc, moistened wiped across a representative area; after)m the center of the disc and placed in a ıene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate.

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background	—	—		
1	28.8			
2				
3				
4				
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with 50% Ethanol

DATE: 23 FEB 77 SIGNED: R.A. Schwenke

AREA SURVEY REPORTING STATUS

Room No. 2nd floor Building No. 3K

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Jan. 14, 1987 — Date

Kenyon S. Foley — Signature

This area was closed to isotope use on _____

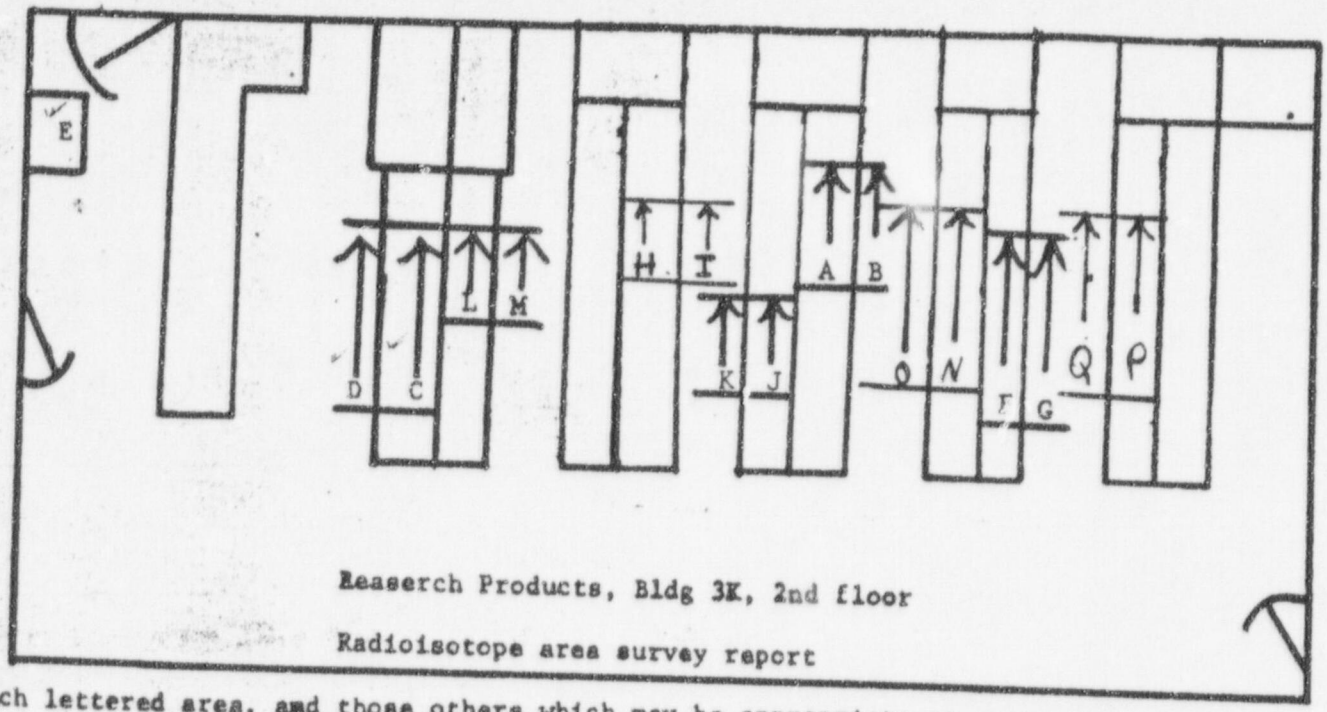
and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

_____ — Date

_____ — Radiological Control Officer



Reasearch Products, Bldg 3K, 2nd floor

Radioisotope area survey report

Each lettered area, amd those others which may be appropriate at a given time, will be wipe tested weekly, A 9.0 cm. diameter Whatman #1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1¼" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 min. or to 10,000 counts in a configuration such as to detect both 3-H and 14-C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate(_____CPM).

Date Jan. 3, 1983

Name Ned Johns

CPM	Before Decontamination		After Decontamination	
	3-H	14-C	3-H	14-C
Background	39	21		
Area A	64	23		
Area B	30	28		
Area C	44	21		
Area D	36	22		
Area E				
Area F				
Area G				
Area H				
Area I				
Area J				
Area K				
Area L	17	34		
Area M	28	23		
P	58	23		
Q	38	27		

FINAL REPORT

AREA SURVEY REPORTING STATUS

Room No. 213 Building No. 9, Basement

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

7-8-81
Date

Signature

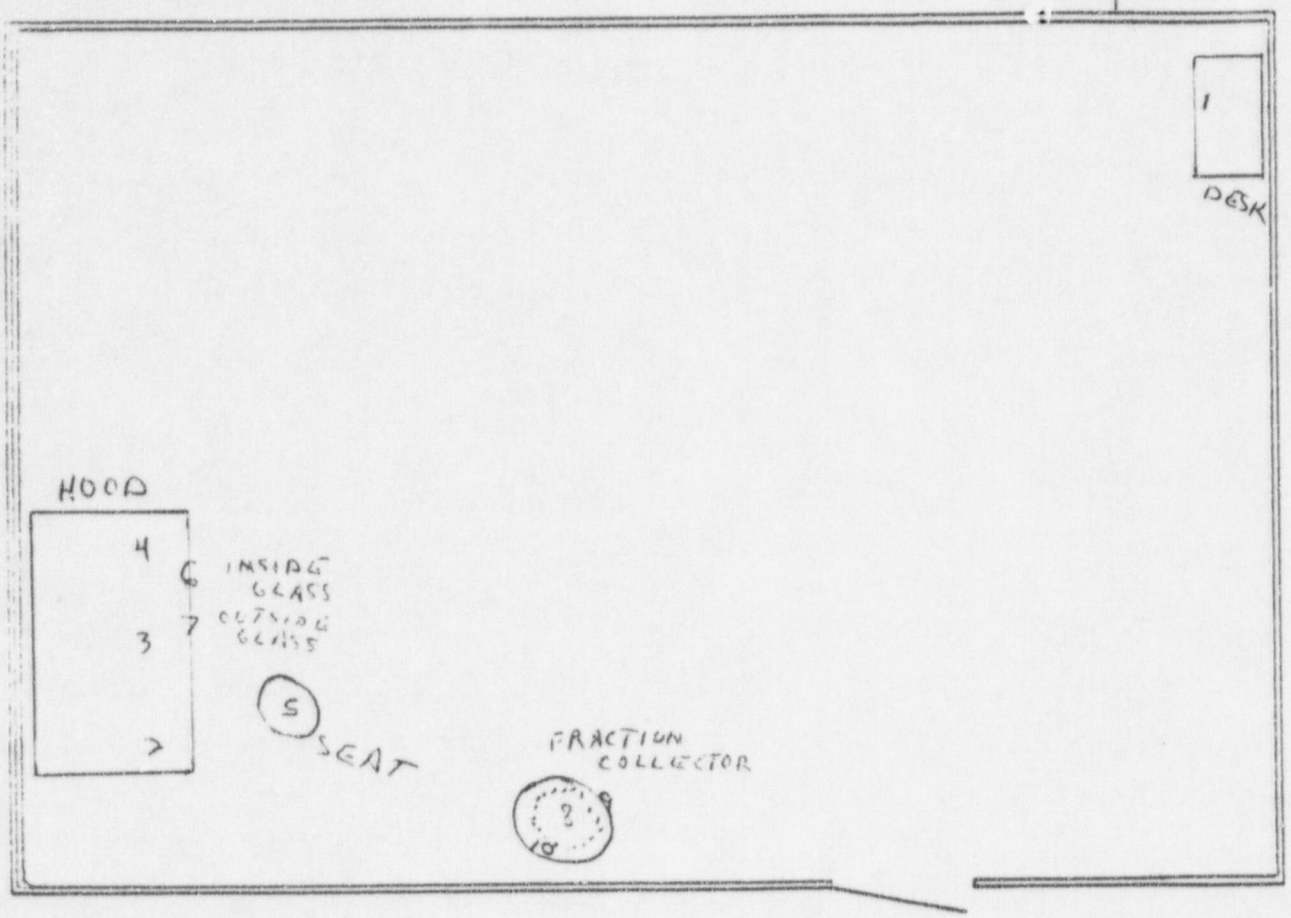
- - - -

Radioisotope Area Survey Report

Date: 7-7-81

Area Monitored: TRD-4

Signed: David Clifton



Each numbered area, and those others which may be appropriate at a given time, will wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 1 of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three ti in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration suc as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe te will be defined at negative unless the observed count rate is in excess of three times th background count rate (_____CPM).

Area	^{3}H CPM Before	After[a]	Area	^{3}H CPM Before	After[a]
1	139		8	127	
2	354		9	124	
3	381		10	256	
4	303		11		
5	224		12		
6	470		13		
7	116		14		

a. after decontamination with _____

Hood released for use KT

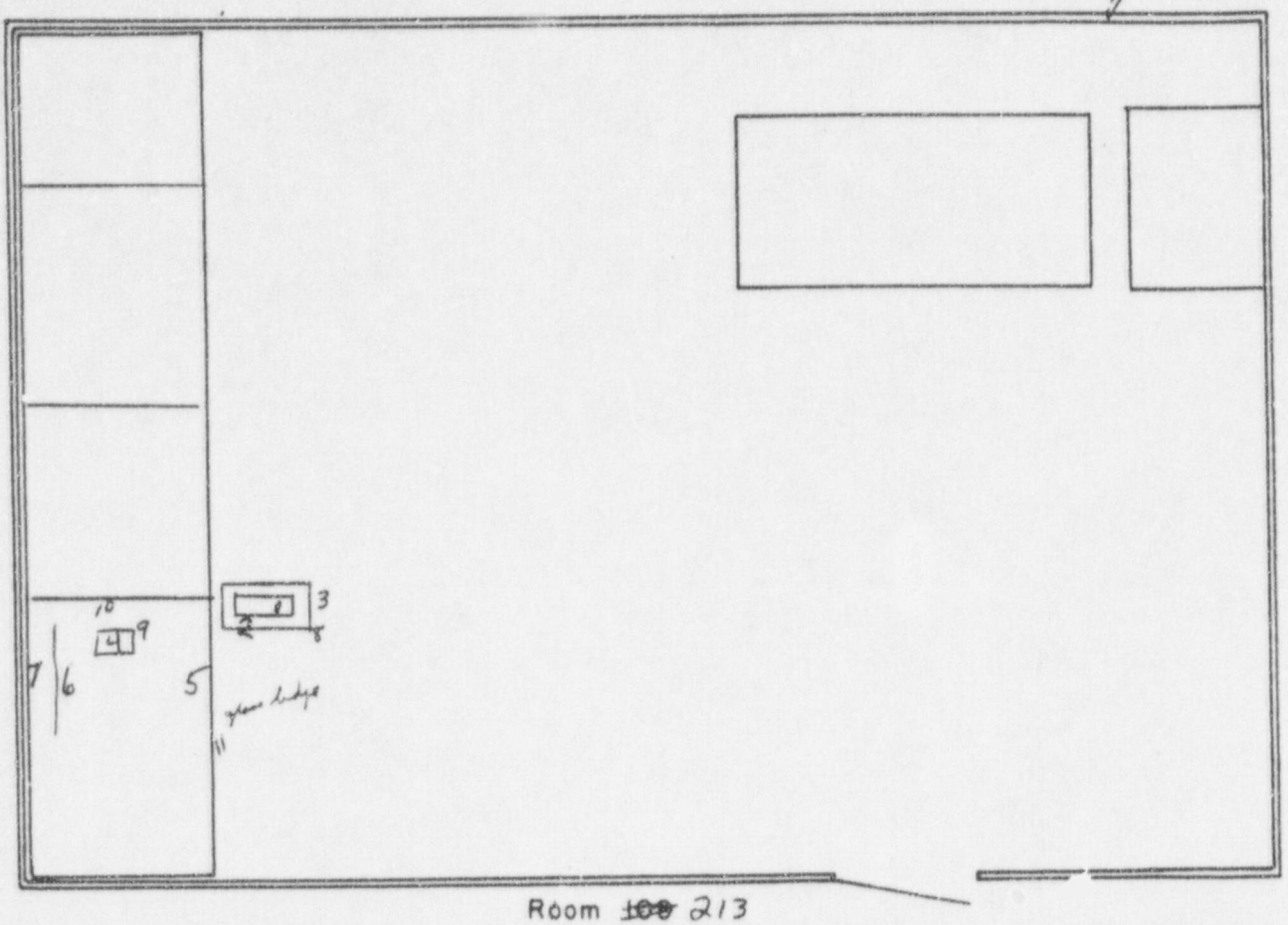
Form # 4.378 (9-70)

Radioisotope Area Survey Report

Date: May 16, 1983

Area Monitored: TRD-4

Signed: H. Khuender / R. Jacky



Each numbered area, and those others which may be appropriate at a given time, will wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50 ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three t in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration su as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe t will be defined at negative unless the observed count rate is in excess of three times t background count rate (57 CPM).

Background wipes before proj. ref

Area	CPM Before	CPM After[a]		[b]	Area	Before	After[a] (b
1	118	294	303	136	8		8
2	83	186	144	99	9		368
3	191	360	290	316	10		70
4	78	165	539	117	11		67
5	385	41788	401	291	12		
6	1200	8702	6556	300	13		
7	150	2182	116	71	14		

a. after decontamination with _____

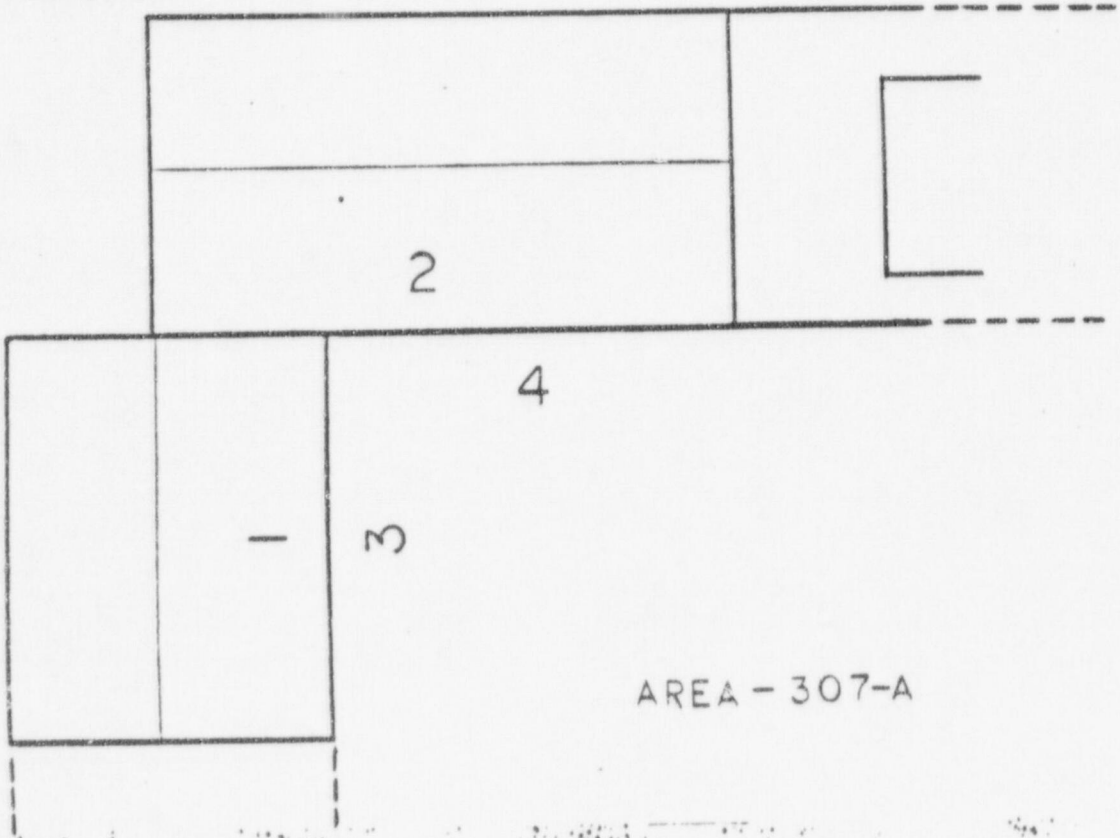
b. methanol, Harker detn + isopropanol, methanol, water

ARL - E

Radioisotope Area Survey Report

Date 26 Nov 73

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

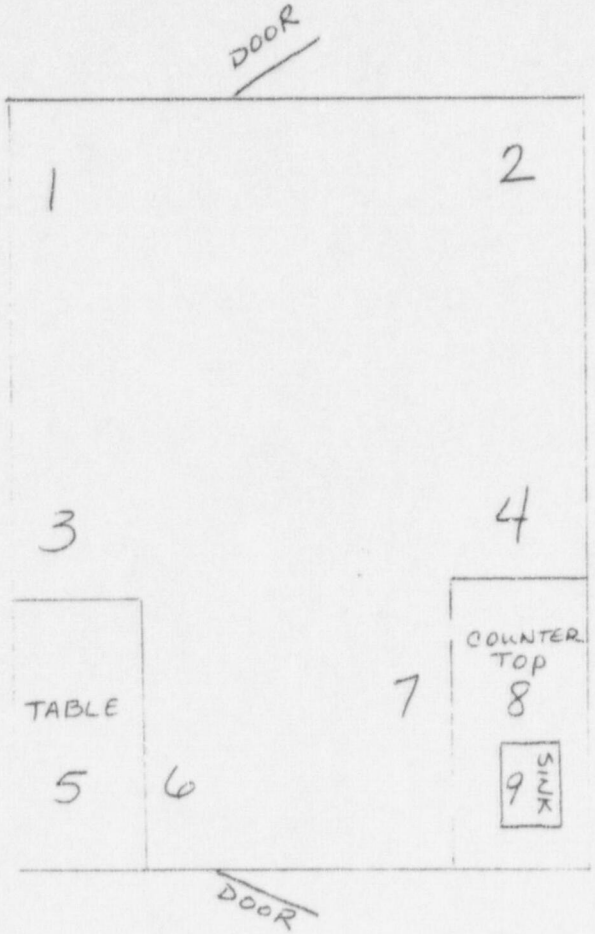


Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1			335	320			[illegible]
2			305	320			[illegible]
3			295	320			[illegible]
4			310	320			[illegible]
5							
7							
8							
9							

TOXICOLOGY DEPARTMENT
MILES LABORATORIES, INC.

Page _____

Date 7/24/84 Project No. CU22-602 Title Radiation Swipe Test
Animal Room 409



BLANK: 36 cpm

SAMPLE	cpm BEFORE	AFTER
1	53	
2	60	
3	56	
4	60	

SAMPLE	cpm BEFORE	AFTER
5	535	18
6	72	
7	63	
8	55	
9	42	
chair	53	

Sandra J. Pavek 7-24-84
Signature Date

_____ _____
Study Director Date

AREA SURVEY REPORTING STATUS

Room No. 410 - 412 Building No. Bldg. 9 Basement

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Sept. 26, 1980
Date

Kenyon Yoder
Signature

This area was closed to isotope use on Sept. 26, 1980 and will not require wipe testing or area surveying until reopened.

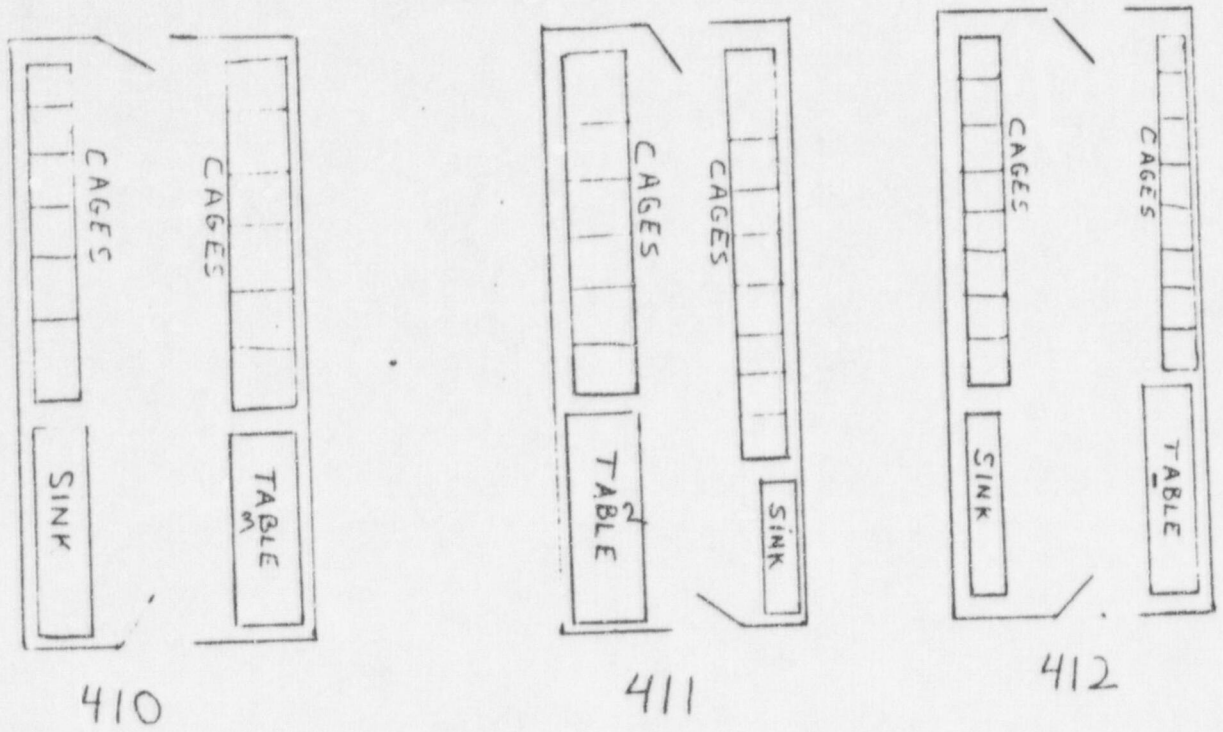
This area was not in use from _____ to _____.

Sept. 26, 1980
Date

Kenyon Yoder
Radiological Control Officer

RADIOISOTOPE AREA SURVEY REPORT

Area monitored: BLDG. 9, BASEMENT



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml. of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate.

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background	169			
1	172			
2	103			
3	110			
4				
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with _____

DATE: 9-19-80 SIGNED: David Clifton

AREA SURVEY REPORTING STATUS

Room No. 1101 + 1103 Building No. 9, wing 1, floor 1

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Nov. 7, 1980
Date

Kenneth D. Foley
Signature

- - - -

ARMS TECHNICAL SERVICES LABORATORY — RADIATION AREA SURVEY

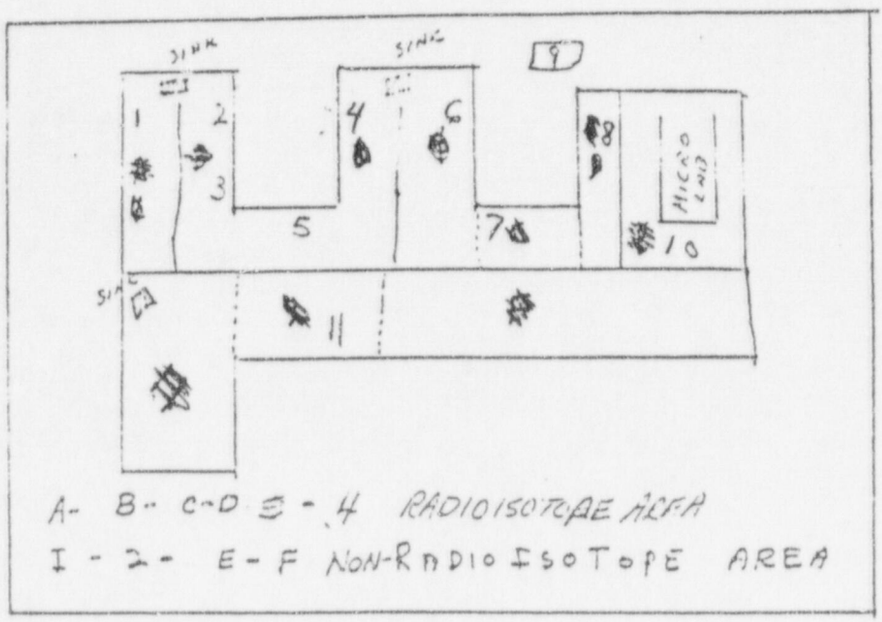
Date 11-7-50

Test accomplished by David Clifton

Purpose and Procedures

To monitor the radiation spillage and contamination of bench areas (work areas) by a weekly program of performing wipe tests. These tests will be performed on Friday on all areas that had been used for radioisotope work during that week. The results will be recorded in duplicate, with one copy sent to Kenyon Yoder, and one copy for the file.

The test will be accomplished in the following manner: Use a clean alcohol swab (alcohol prep for cleaning finger tips) and wipe a representative portion of the work area. Place this prep in a disposable plastic counting tube and count the activity using GAMMACORD. Record this count in the appropriate space below. Repeat this procedure for all areas which were used for radioactivity.

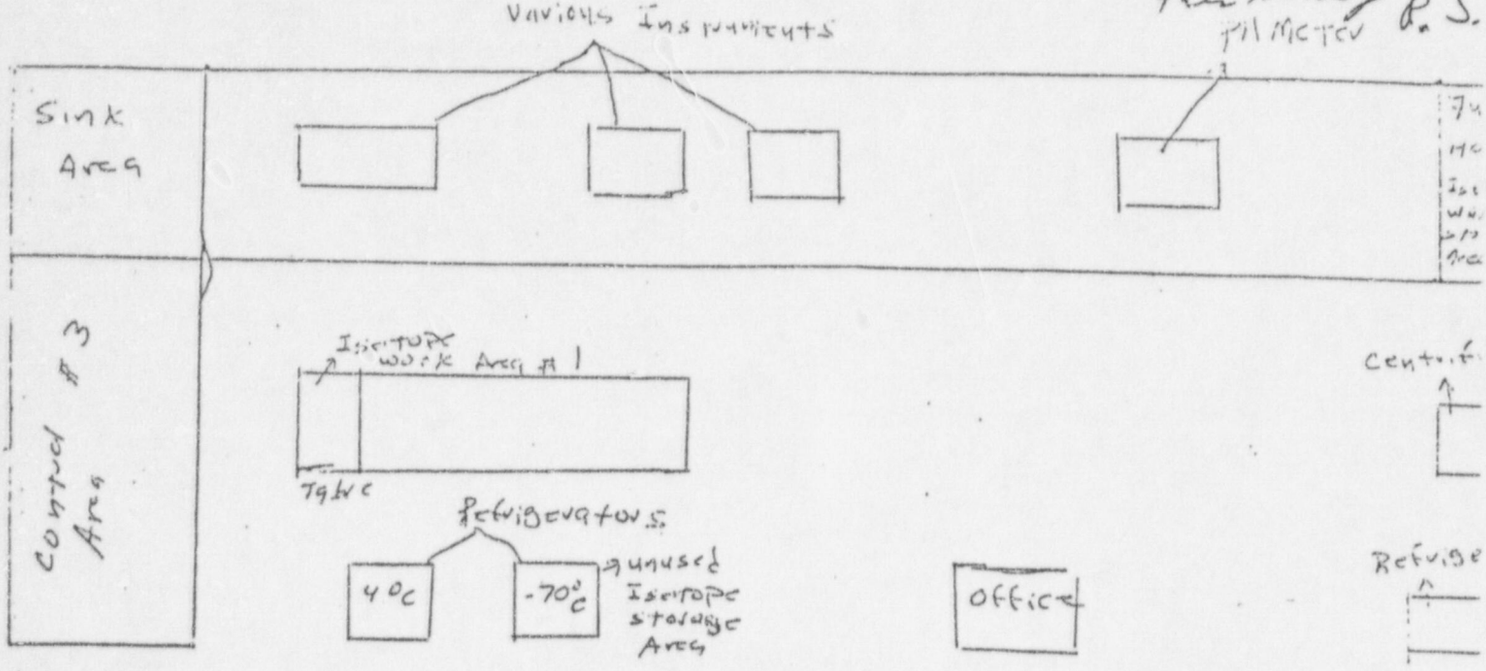


COUNTS PER MINUTE

WORK AREAS	BACKGROUND	ORIGINAL	WASHED
1	180	180	
2		180	
3		150	
4		200	
5		180	
6		190	
7		190	
8		[redacted] 170	
9		180	
10		180	
11		180	

RADIOISOTOPE AREA SURVEY REPORT

Area monitored: Rm 1104A area was not used for one month prior to this survey P. S.



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moiste with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml. of a toluene:PPO:dimethyl POPOP scintilliator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. 30x3=90 cpm

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background				
1	25.0			
2	28.0			
3				
4				
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with _____

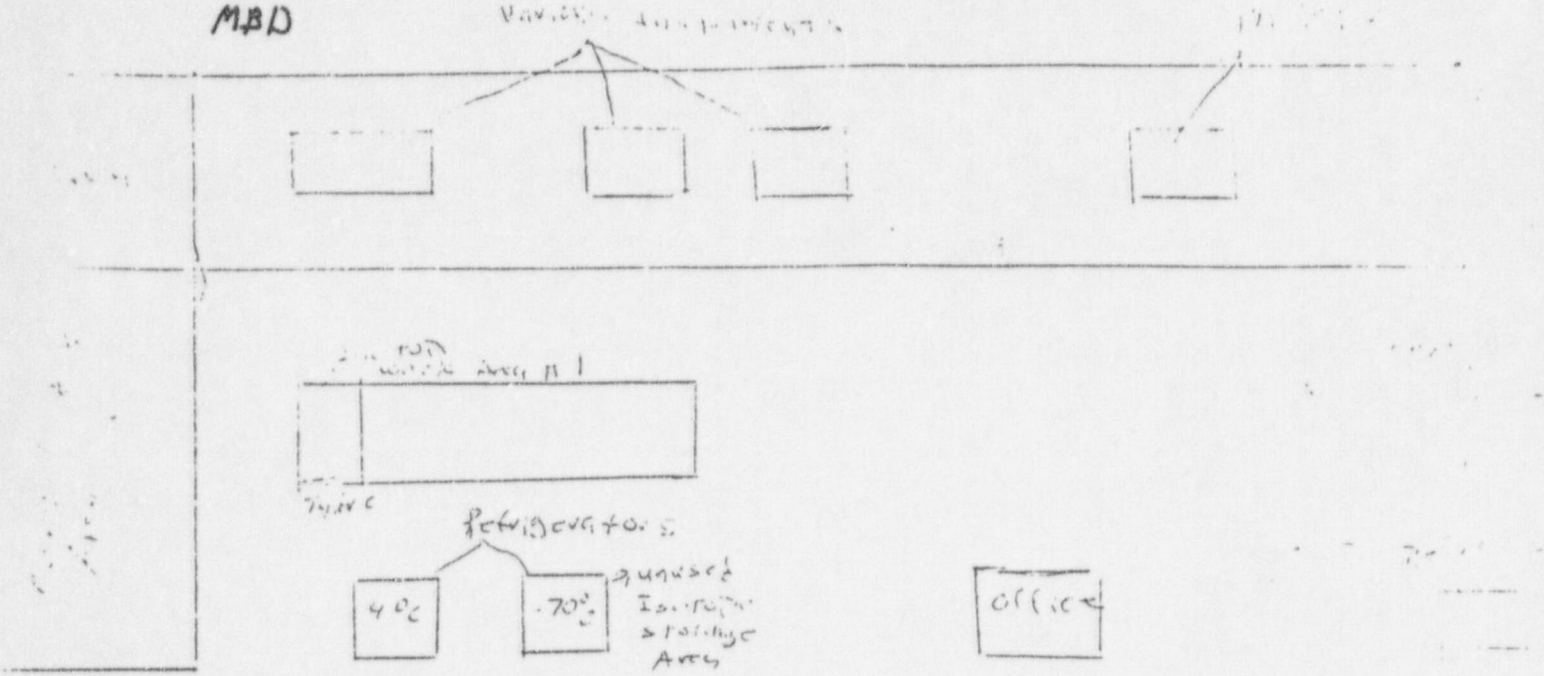
DATE: Feb 21, 1975 SIGNED: Lawrence J. Burns

Date: 11/16/73

Signed: Mary Burns

Radioisotope area Survey for [illegible]
area monitored: Bldg. 6, Floor 1, Living
Microbiology

1104A
MBD



Each area used for isotope work is wiped weekly with a disk of Millipore nitro cellulose filter 2.5 cm. in diameter. The filter is moistened in a 50% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls of toluene 0.4% PPO 0.01% POPOP and counted for five minutes times 3.

Area #1
cts per minute: 1 21.1
2 25.1
3 23.5

Area #2
cts per minute: 1 20.3
2 21.1
3 17.1

Background
cts per minute: 1 18.5
2 18.1
3 22.1

AREA SURVEY REPORTING STATUS

Room No. 1104A / 1104D Building No. 9

Allergy Research Lab.

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Dec 15, 1980 [signature]

Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

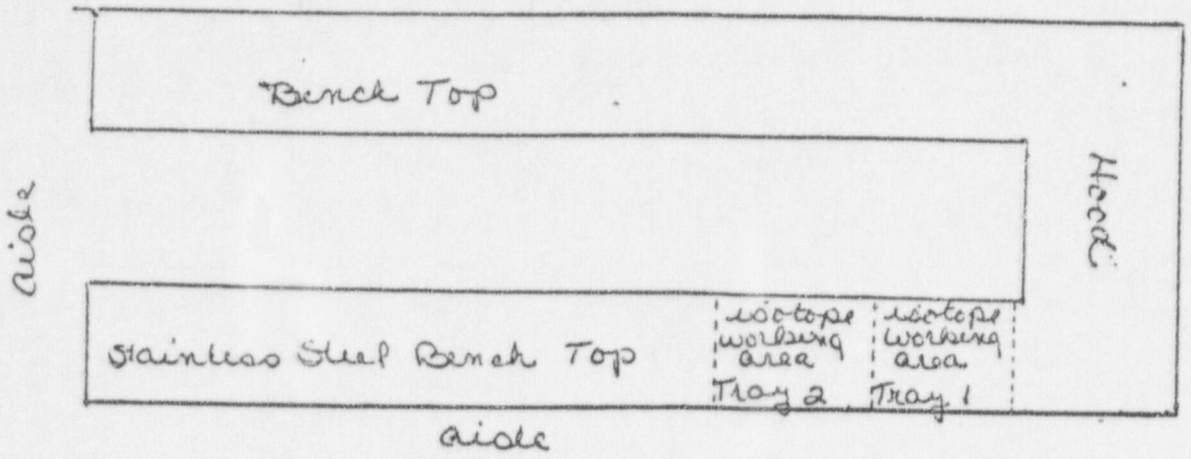
_____ _____

Date Radiological Control Officer

Radioisotope Area Survey Report

Area Monitored: Bldg. 9 Floor 1 Wing 1
#3121 Molecular Biology

Date: December 12, 198
Signed: D. P. Wilson



Each tray used for isotope work is wiped weekly with a disk of Whatman I filter paper 4.54 cm. in diameter. The filter paper is moistened in a 50% solution of ethanol before wiping trays. The paper is dried and a strip 5/8" x 1½" is cut from the center of the filter paper disk. This is placed in a Beckman scintillation vial of the cheaper grade with 15 mls of toluene: 0.4% PPO: 0.01% POPOP and counted for five minutes.

^{14}C

counts per minute #1 107
counts per minute #2 66

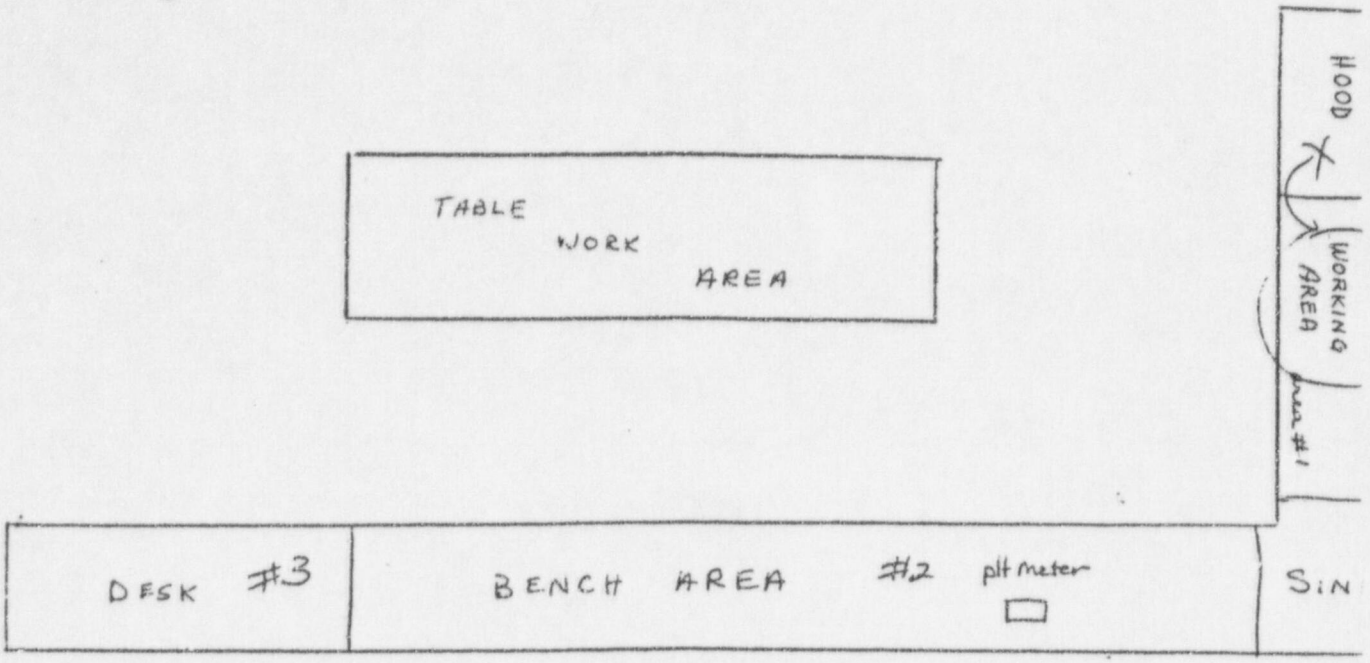
^{14}C

Background cts. per minute 38

Note: area closed 12/12/80

Signed: M. J. Miller

Rm. 1104 D



Each area used for isotope work is wiped weekly with a disk of millipore nitro cellulose filter, 2.5 cm. in diameter. The filter is moistened in a 70% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls. of toluene 0.4% PPO, 0.01% POPOP and counted for two minutes times 3.

area #1
cts per minute 1 28.5
2 23.0
3 22.0

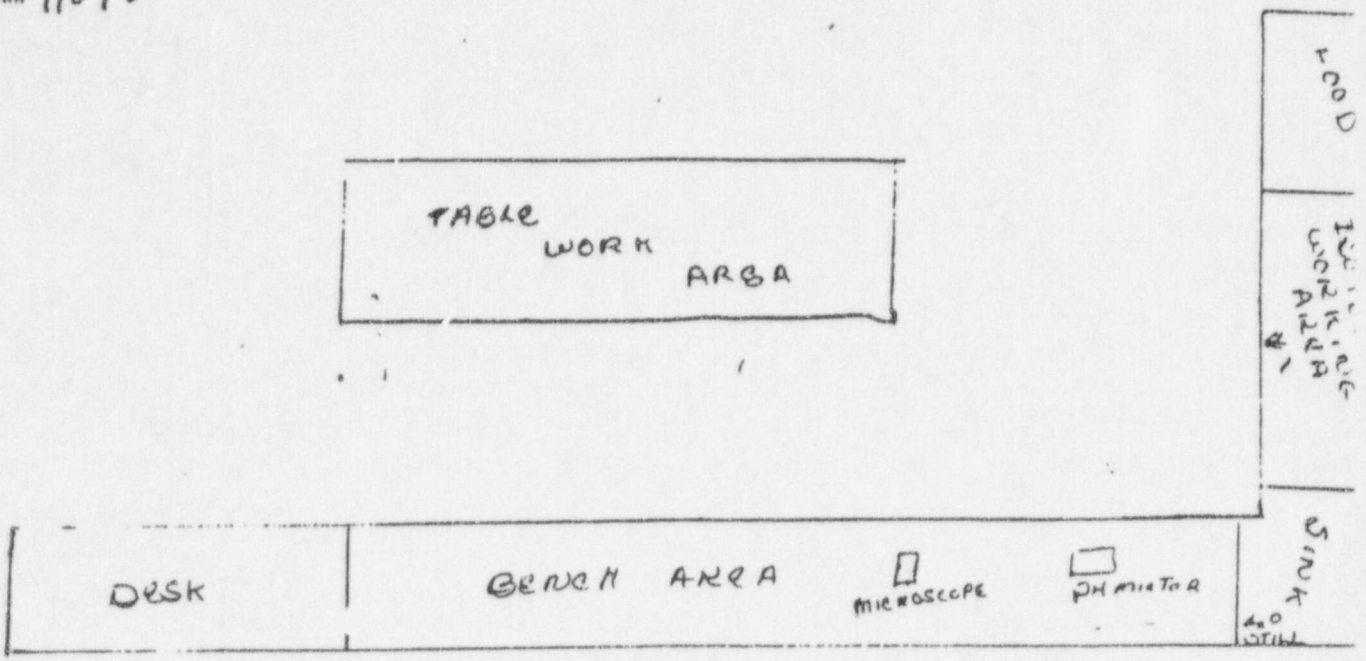
area #2
cts per minute 1 18.0
2 23.5
3 23.0

Background #3
cts per minute 1 16.5
2 18.5
3 29.0

Irene Paulavicius

Signed: 11/16/73

Radioisotope Area Survey Report
Area Monitored: Bldg 9, Floor 1, Wing 1
Microbiology
Rm 1104D



Each area used for isotope work is wiped weekly with a disk of Millipore nitro cellulose filter 2.5 cm. in diameter. The filter is moistened in a 50% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls of toluene 0.4 PPO 0.01% POPOP and counted for five minutes 3 times.

	^3H	^{14}C
Area #1 cts per minute 1	83.1	71.9
2		
3		
Background cts per minute 1	93.7	78.9
2		
3		

Area #2 cts per minute 1 68.7
2
3

AREA SURVEY REPORTING STATUS

Room No. 1105 A Building No. 9

☒ Temporarily closed for isotope use.

☐ Permanently closed for isotope use.

May 8, 1987 [signature]
Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from May 5 to Dec 7, 1987.

Tested for the one experiment on Dec 11, 1987 and then closed. Immunization was only material handled from J. Palaypa in NONA - 2nd floor.

Dec. 15, 1987 [signature]
Date Radiological Control Officer

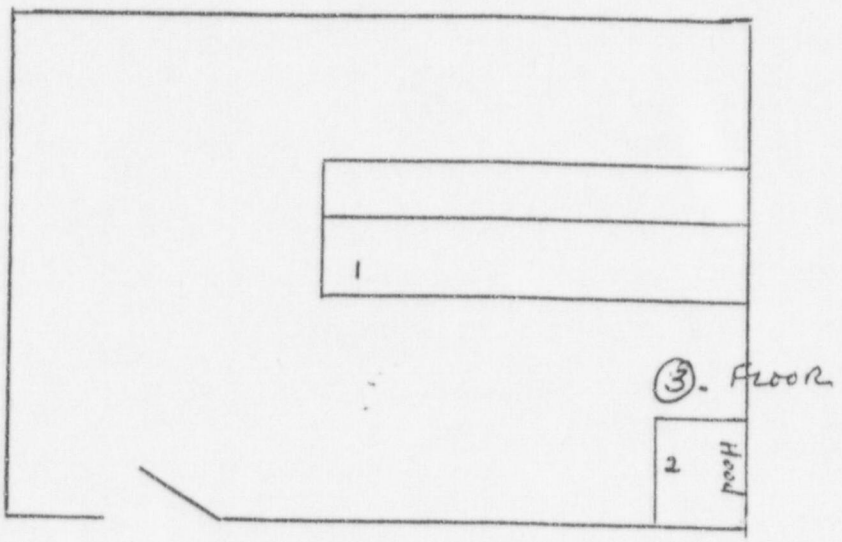
Radioisotope Area Survey Report

Date: 12/11/87

Area Monitored: Room 1105A
Bldg. 9

Signed: Ramona Boyle

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with 50% ethanol and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect H-3,C-14,S-35, or P-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Area	CPM Before	CPM After[a]
1	61.0	
2	75.0	
3	64.0	
4		
5		
6		
7		

Area	CPM Before	CPM After[a]
1		
2		
3		
4		
5		
6		
7		

Area	CPM Before	CPM After
8		
9		
10		
11		
12		
13		
14		

a. after decontamination with _____

SAM	POS	CH	CPM	2-HR%	TIME	EL TIME	AVG H#		ER
MAY	24	1	35.00	33.81	1.00	1:19	61.0		
		2	75.00	9%.69					
		3	169.00	15.38				SINK	

SAM	POS	CH	CPM	2-HR%	TIME	EL TIME	AVG H#		ER
MAY	24	1	35.00	33.81	1.00	1:19	61.0		
		2	75.00	9%.69					
		3	169.00	15.38				HOOD	

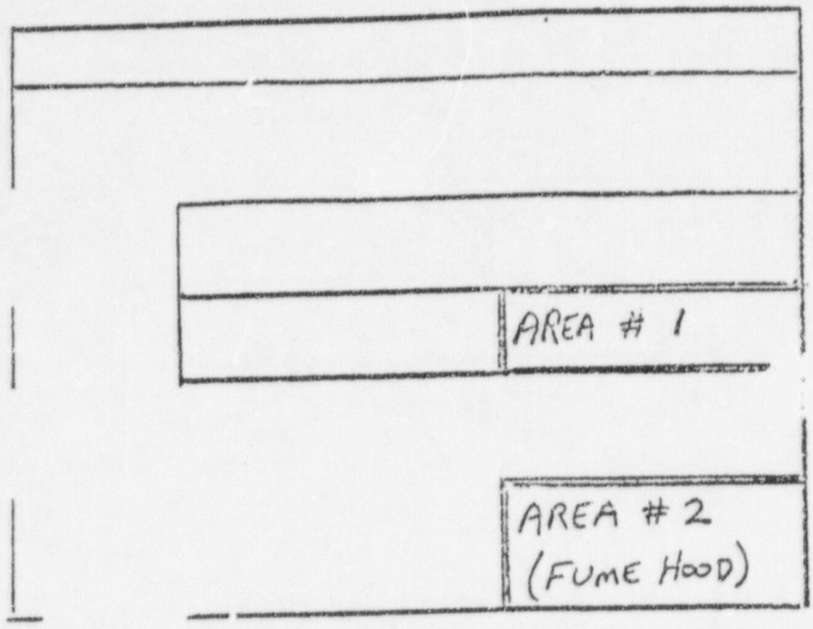
SAM	POS	CH	CPM	2-HR%	TIME	EL TIME	AVG H#		ER
MAY	24	1	35.00	33.81	1.00	1:19	61.0		
		2	75.00	9%.69					
		3	169.00	15.38				FLOOR	

~~David Garner~~
~~Bob Jordan~~
Marcia Greko

Date: 4/14/75

Signed: M. Greko

Radioisotope Area Survey Report
Area Monitored: Bldg. 9, Floor 1 Living Microbial Physiology
Rm 1105A



Each area used for isotope work is wiped weekly with a disk of Millipore nitro cellulose filter 2.5 cm. in diameter. The filter is moistened w a 50% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls of toluene 0.4% PPO 0.01% POPOP and counted for five minutes times 3.

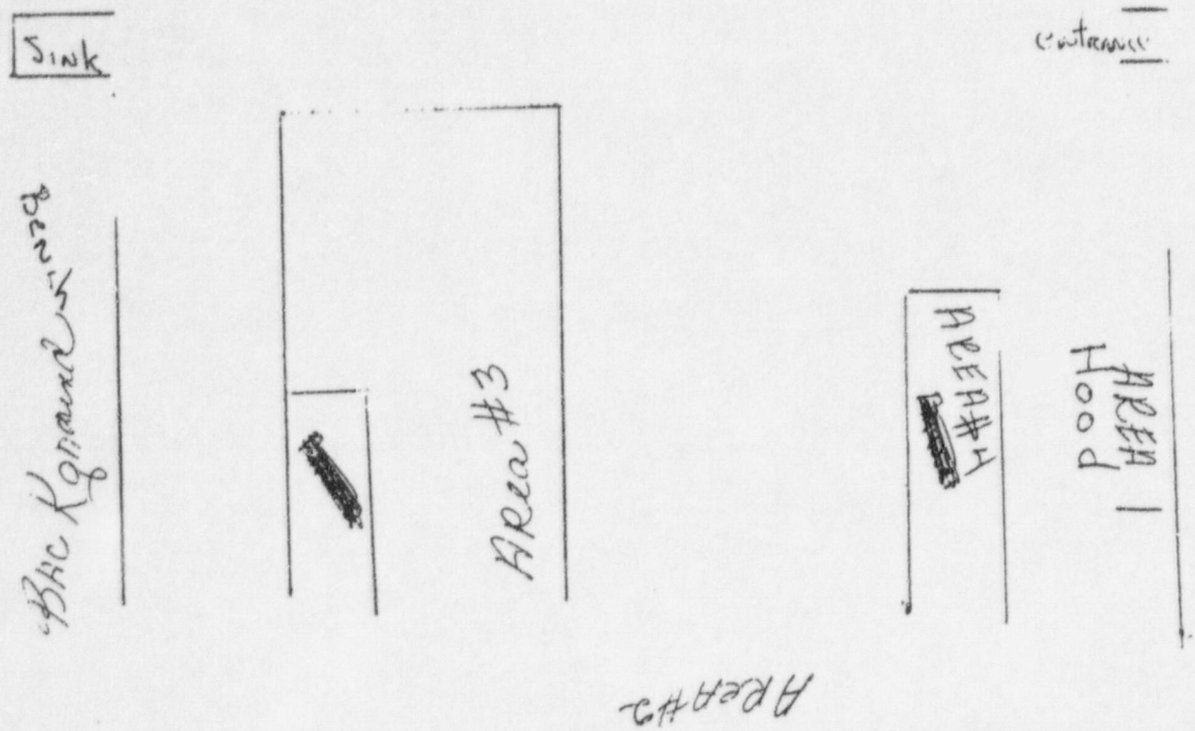
Area #1
cts per minute 1 19.4
2 19.4
3 31.2
ave = 23.4

area #2
cts per minute 1 21.0
2 32.2
3 41.0
ave = 31.4

Background
cts per minute 1 24.2
2 28.8
3 31.0
ave = 28.0

RADIOISOTOPE AREA SURVEY REPORT

Area monitored: Room 1106 A - Wilson



Area #3

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml. of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate.

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background	29.0	38.0		
1	23.0	29.0		
2	28.0	37.0		
3	49.0	59.0		
4	23.0	34.0		
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with _____

DATE: 5/16/75 SIGNED: Barbara J Goeckner

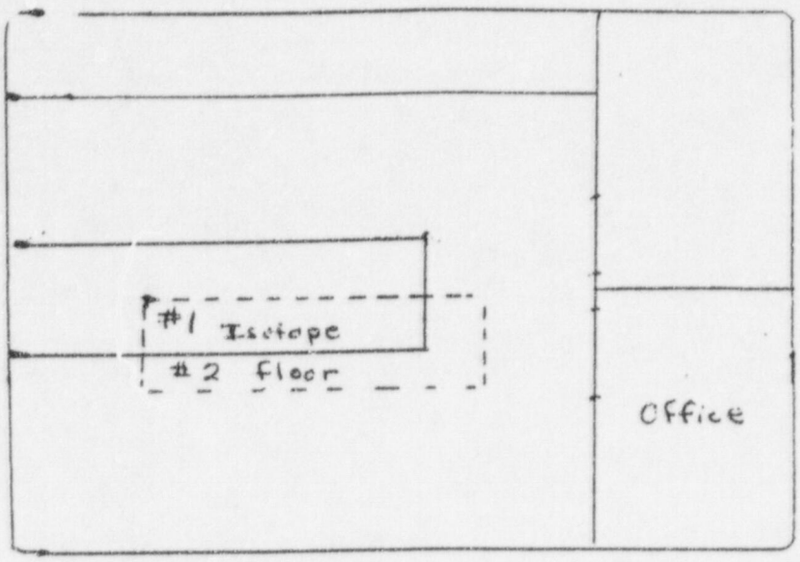
as of 5/16/75 this area and laboratory will no longer be used as a radioactive area.

L. T. Chang
Carol Terry
Mary Lou Buchanan

Date: 1/29/73

Radioisotope Area Survey Report
Area Monitored: Bldg 9, Floor 1, Wing 1 Molecular Biology
Rm 1106 A

Signed: Carol Terry/27



Each area used for isotope work is wiped weekly with a disk of Millipore nitro cellulose filter 2.5 cm. in diameter. The filter is moistened in a 50% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls of toluene 0.4% PPO 0.01% POPOP and counted for five minutes times 3.

		^3H	^{14}C
Area #1 cts per minute	1	25.4	20.6
	2	25.6	23.0
	3	30.6	25.4

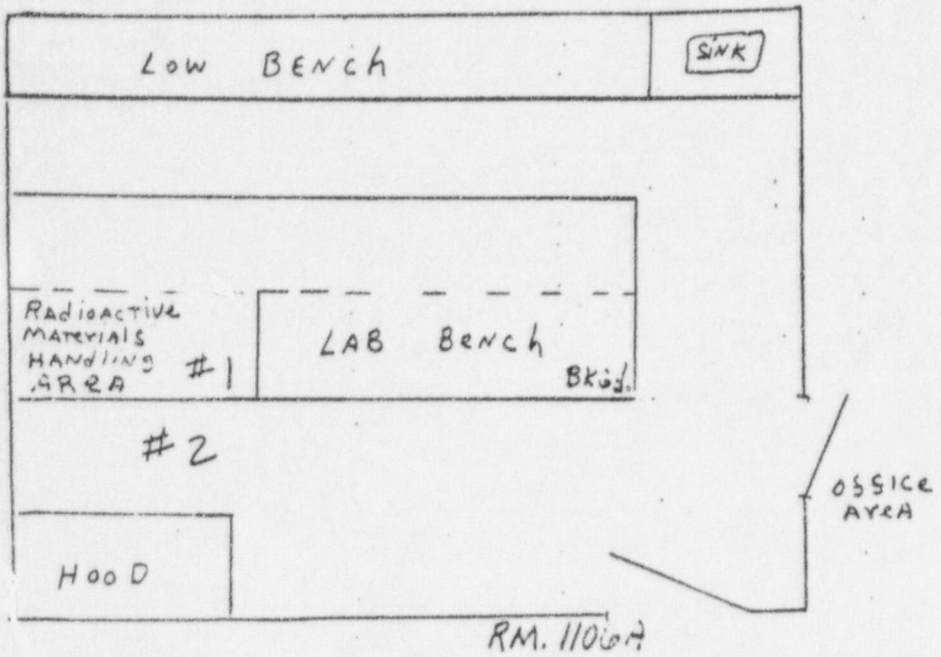
		^3H	^{14}C
Area #2 cts per minute	1	30.8	25.
	2	26.0	23.
	3	24.4	22.

Background cts per minute	1	25.2	25.6
	2	27.6	27.0
	3	30.8	26.6

M. L. Buchnan
B. JANIK

RADIOISOTOPE AREA SURVEY REPORT

Area monitored: _____



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml. of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate.

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background	36.5	33.9		
1	49.6	31.4		
2	32.0	32.0		
3				
4				
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with _____

DATE: October 12, 1973 SIGNED: Ronald Sommer

AREA SURVEY REPORTING STATUS

Room No. 1107 + 1108 Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

April 8, 1988
Date

Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

_____
Date

_____
Radiological Control Officer

AREA SURVEY REPORT
(G-M Survey Reading)

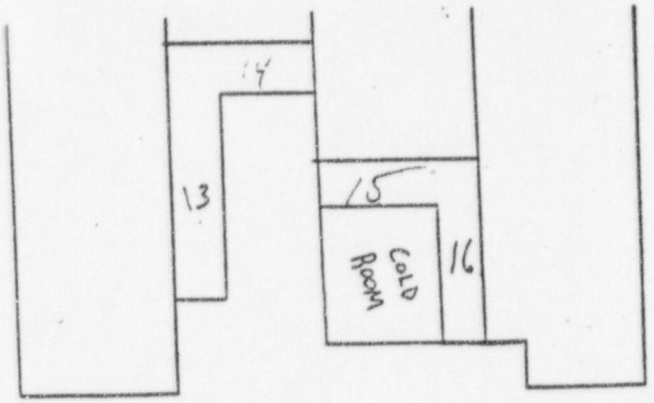
Procedure:

Each designated area is to be surveyed weekly with a geiger counter containing an end window thickness of no more than 1.4 - 2.0 mg/cm^2. This instrument must have been calibrated against a known cesium - 137 reference source. Indicated readings will be recorded, while actual exposure will be determined from the calibration factor for the probe.

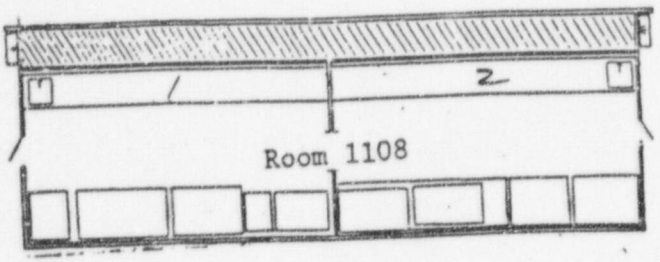
In searching for contaminated surfaces, the probe should be moved slowly over the surface approximately 1 inch above the surface (to prevent contamination of the probe). Areas indicating contamination above background will require a subsequent wipe test.

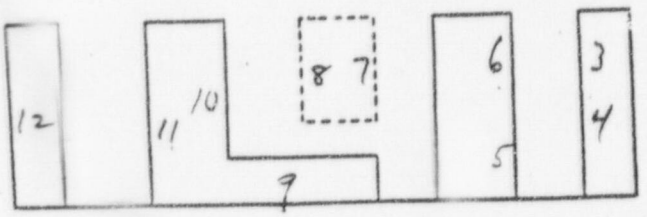
General area surveys are best performed by holding the detector away from the body at waist level and tracing a systematic path through the area, noting any rise in radiation level and marking these spots either directly with chalk or on the diagram below. Radiation levels above background will require determination of direction of source and reason for elevated readings. Background readings away from work areas will normally range from 0.01 - 0.02 millirem/hour (mR/hr).

Room Layout:



Room 1107





Instrument Calibration: model 900 Res. Ind. Int. Contamination monitor

Area	Indicated reading	Actual exposure	Distance from source	Type of source	Recommended correction
Background	50 cpm				
1 7	< 50		1-2" from surface	^{32}P + ^{35}S	
2 10					
3 11					
4 12					
5 13					
6 14					
7 15					
8 16					

All were minimal, no elevation

DATE: April 6, 1988 SIGNATURE: Tanya Yoly

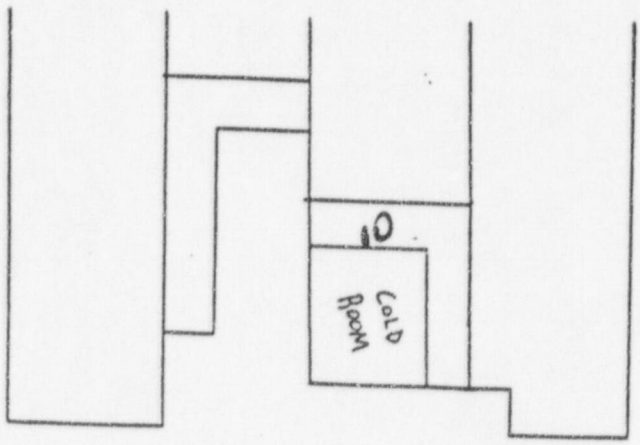
Radioisotope Area Survey Report

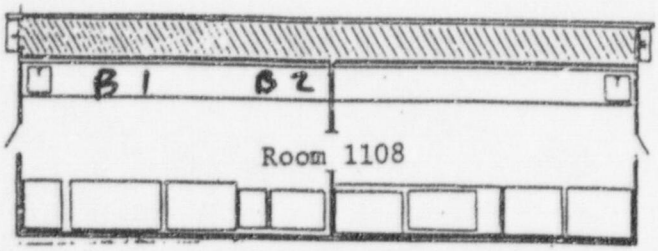
Date: March 23, 1988

Area Monitored: Bldg. 9, Wing 1, Floor 1

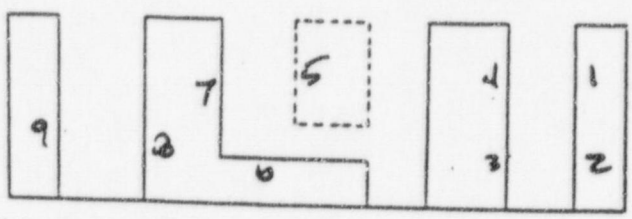
Signed: Joseph D. Colaizzi

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with 50% ethanol and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect H-3,C-14,S-35, or P-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.





Room 1107



Area	CPM Before	CPM After[a]
1	33	
2	27	
3		
4		
5		
6		
7		

Area	CPM Before	CPM After[a]
1	59	—
2	47	—
3	59	—
4	61	—
5	62	—
6	48	—
7	58	—

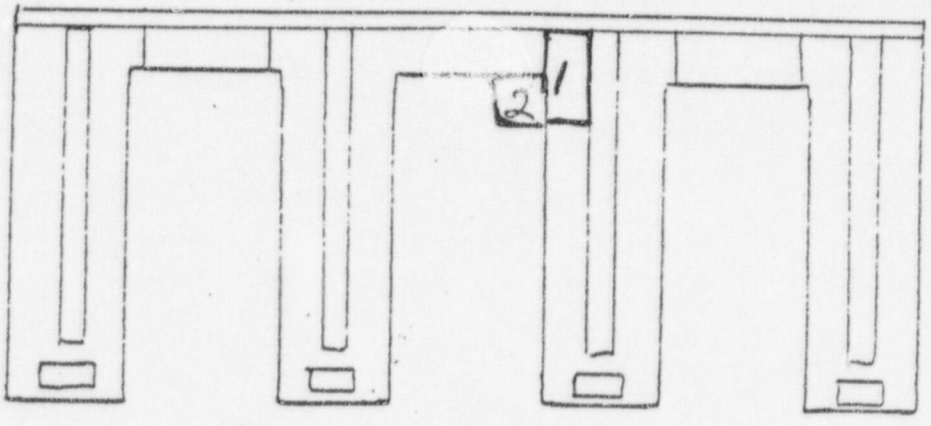
Area	CPM Before	CPM Aft[a]
8	44	
9	47	
10	48	
11	—	
12	—	
13	—	
14	—	

a. after decontamination with _____

Radioisotope Area Survey Report Date: 29 Oct 84

Area Monitored: Area 1107 Signed: Douglas E Reed

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



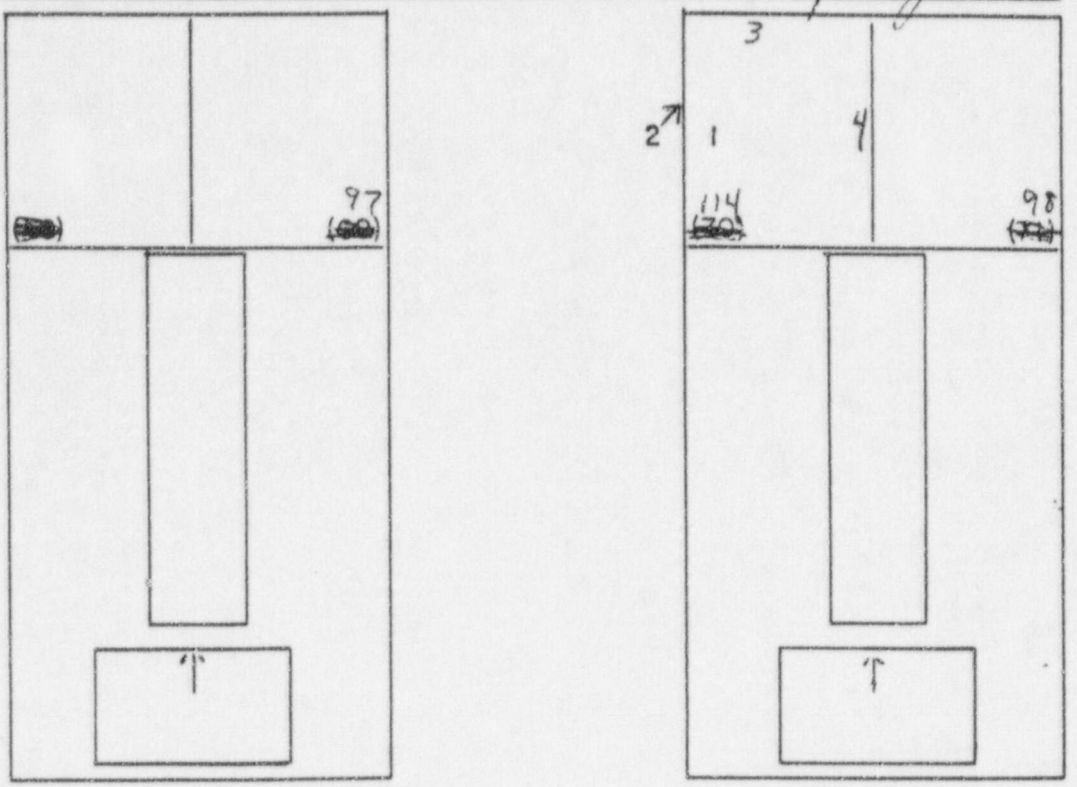
Bldg. 9, Floor 2, Wing 1

Counts Per _____ Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1		^{14}C	800	40	65	40	D. E. Ree
2		^{14}C	357	45	144	50	D. E Ree
3							
4							
5							
6							
7							
8							
9							
10							

Radioisotope Area Survey Report Date: July 8, 1982

Area Monitored: TRD-3 Signed: Kenneth Jordy



Room No. ~~1205~~ 1107

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8 x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (~~_____~~ CPM).

Background - Front 388 CPM.
" Side + Back 86 CPM

Area	^{14}C	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1		545	569	8		
2		891	168	9		
3		341	171	10		
4		188	143	11		
5				12		
6				13		
7				14		

a. after decontamination with Count-Off, water rinse

AREA SURVEY REPORTING STATUS

Room No. miscellaneous rooms Building No. 9

☒ Temporarily closed for isotope use. Year 1980

☐ Permanently closed for isotope use.

Dec 30 1980 — Date

Clifford L. Todd — Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

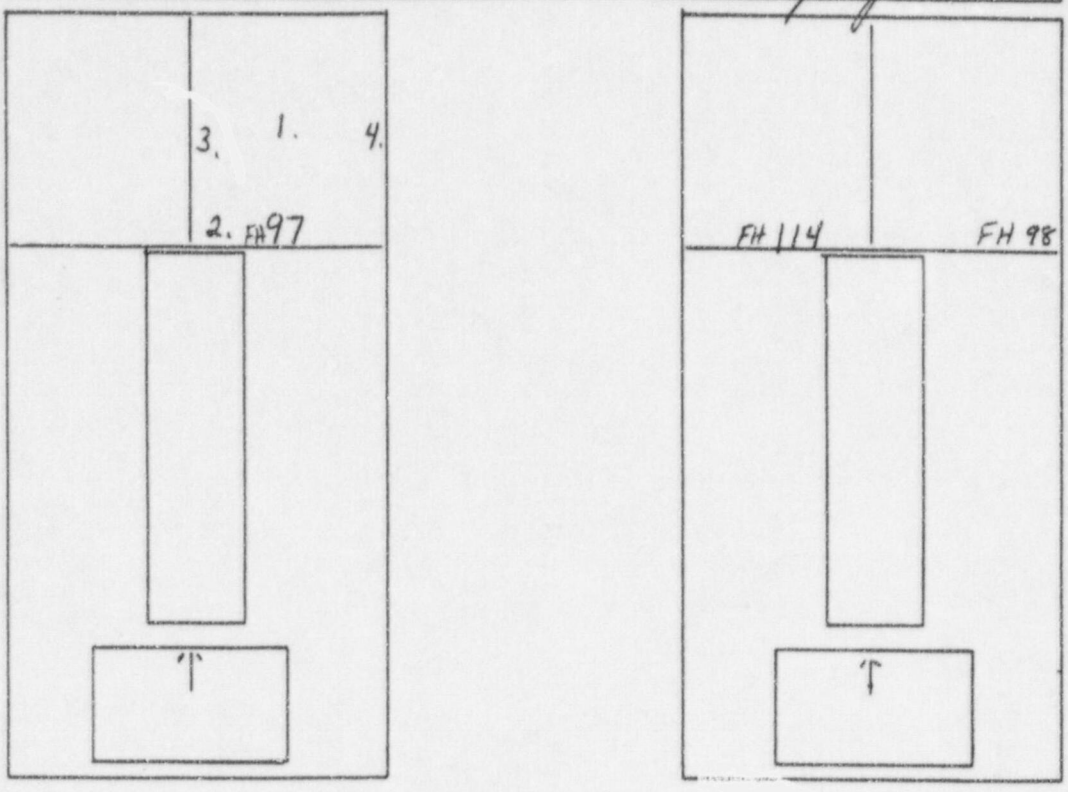
Throughout the year various labs are used on a temporary, short time basis. For these locations they are surveyed during or immediately after use before releasing to general use again.

Dec 30 1980 — Date

Clifford L. Todd — Radiological Control Officer

Radioisotope Area Survey Report Date: Sept. 17, 1980

Area Monitored: TRD-3 Signed: [signature]



Room No. ~~1205~~ 1107

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8 x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (290 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1		1155	8		
2		—	9		
3		—	10		
4		946	11		
5			12		
6			13		
7			14		

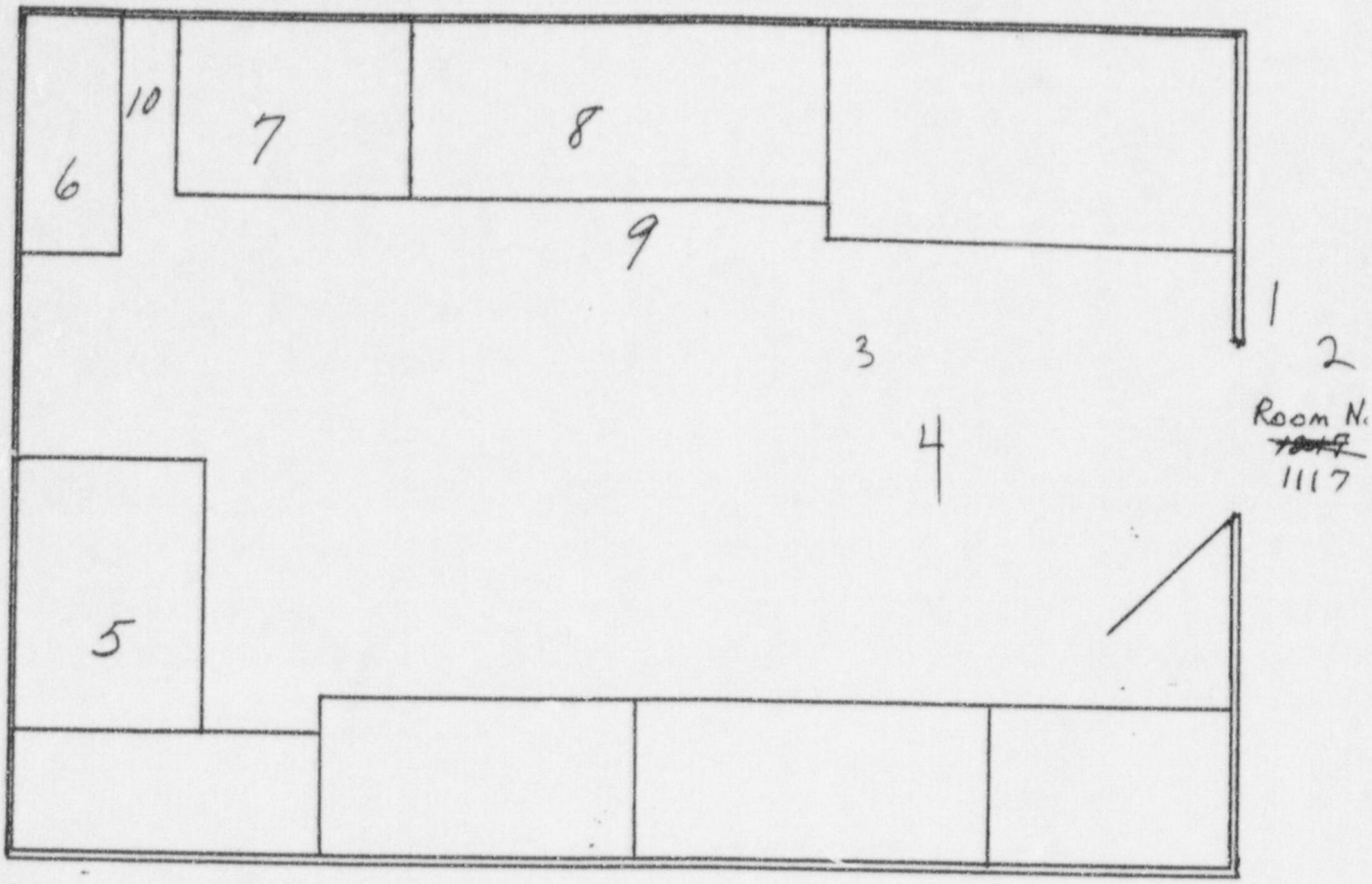
a. after decontamination with Count Off

Radioisotope Area Survey Report

Date: 5-23-80

Area Monitored: TRD-6

Signed: David Clifton



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (76 CPM). ^{3}H 76 x 3 = 228
28 . ^{14}C 28 x 3 = 84

Area	^{3}H	^{14}C	CPM Before	CPM After[a]
1	64	18		
2	59	20		
3	22	18		
4	30	21		
5				
6				
7				

Area	CPM Before	CPM After[a]
8		
9		
10		
11		
12		
13		
14		

a. after decontamination with _____

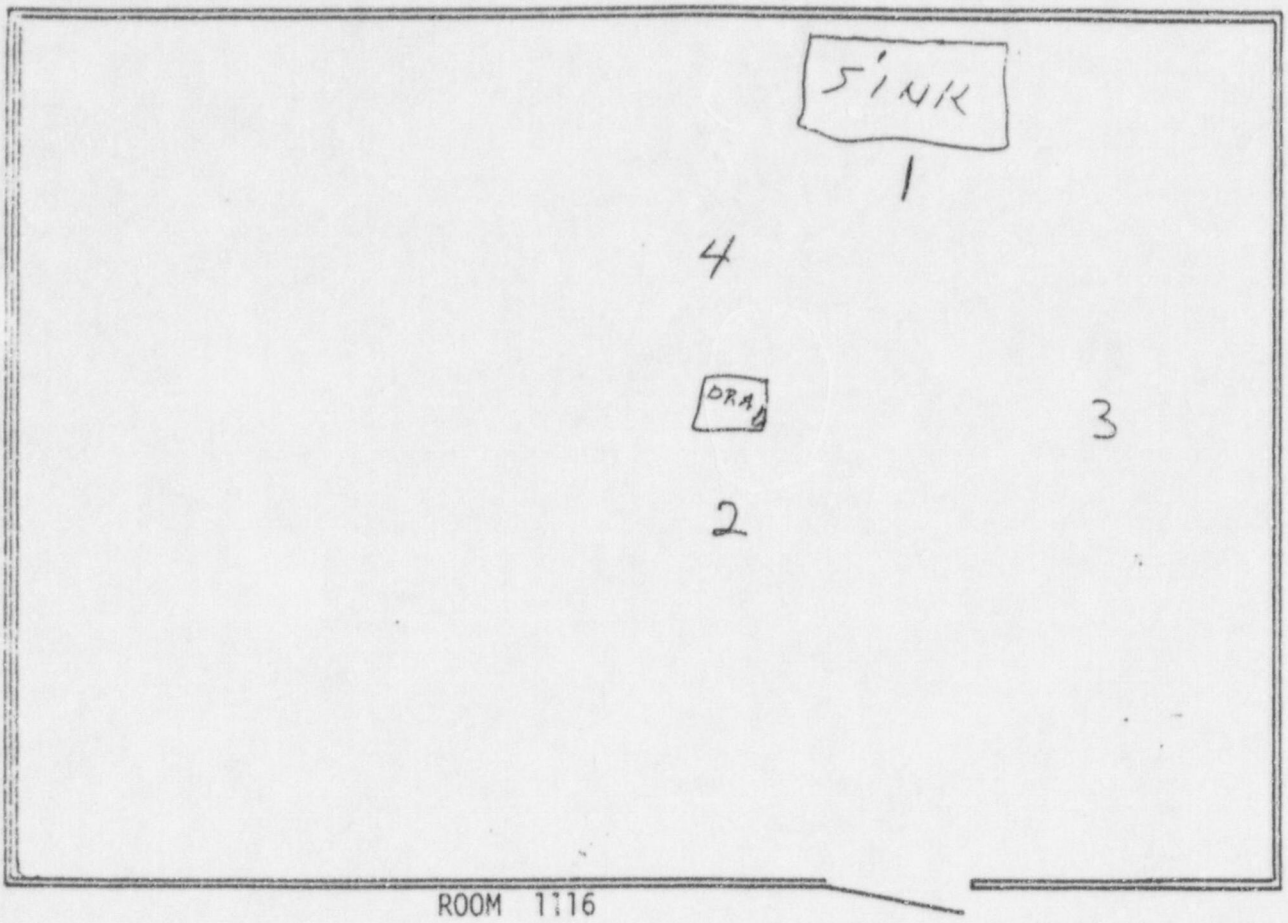
Form # 4.392 (11-70)

Radioisotope Area Survey Report

Date: 4-15-80

Area Monitored: TRD-4

Signed: David Clifton



ROOM 1116

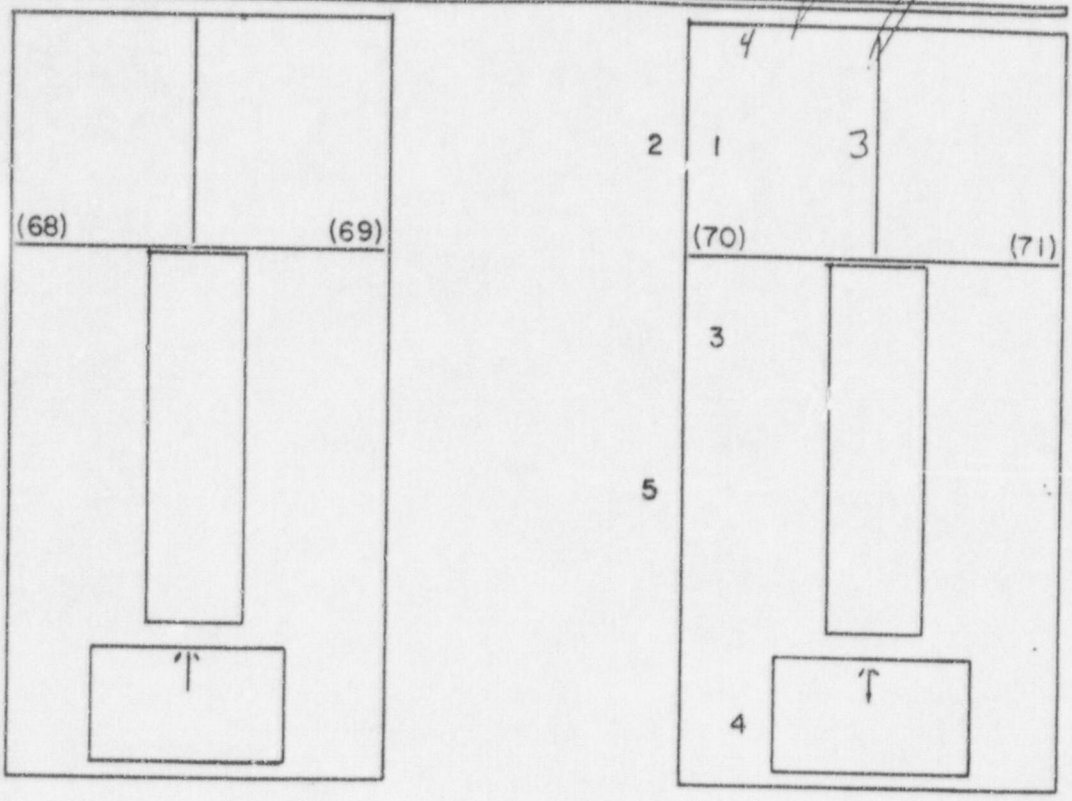
Each numbered area, and those others which may be appropriate at a given time, will wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 1 of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three ti in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration suc as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe te will be defined at negative unless the observed count rate is in excess of three times th background count rate (37 / 16 CPM). ^{3}H 37x3 = 111 ^{14}C 16x3 = 48

Area	^{3}H	^{14}C	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	37	24			8		
2	42	19			9		
3	37	23			10		
4	46	17			11		
5					12		
6					13		
7					14		

a. after decontamination with _____

Radioisotope Area Survey Report Date: June 29, 1979

Area Monitored: TRD-3 Signed: Jennifer Jordan



Room No. 1107

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8 x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (55 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	6,090	361	8		
2	20,600	2,062	9		
3	12,821	1,354	10		
4	—	280	11		
5			12		
6			13		
7			14		

a. after decontamination with 2 separate washings with Count-off

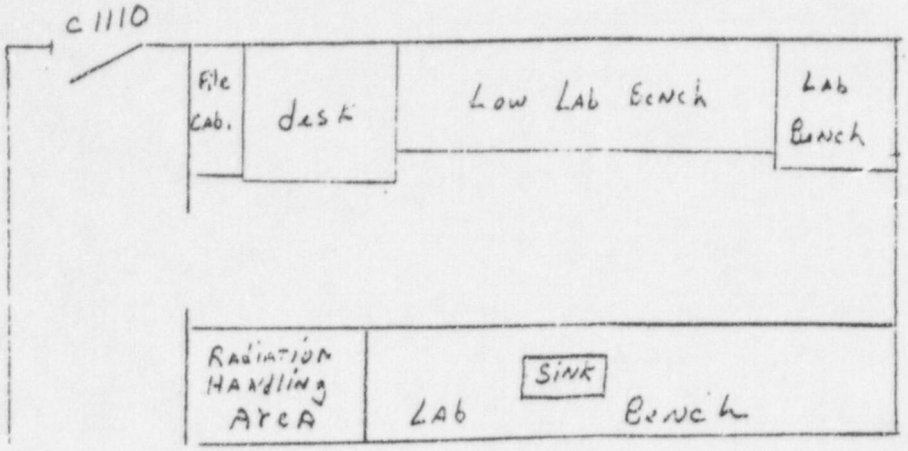
Borek Janik
Ron Sommer

Date: 4/13/73

Signed: Ronald Sommer

Radioisotope area Survey Report
Area Monitored: Bldg 9. Floor 1 Wing 1
Molecular Biology

Rm



after Wild closed down because of move to another area.

Each area used for isotope work is wiped weekly with a disk of Millipore nitro cellulose filter 2.5 cm. in diameter. The filter is moistened in a 50% solution of ethanol before wiping the area. The paper is dried, then placed in a scintillation vial with 10 mls of toluene 0.4% PPO 0.01% POPOP and counted for five minute times 3.

Area #1
cts per minute 1 77.8
2 71.6
3 69.8

Area #2
cts per minute 1 76.8
2 76.0
3 69.2

Background
cts per minute 1 77.0
2 82.0
3 79.8

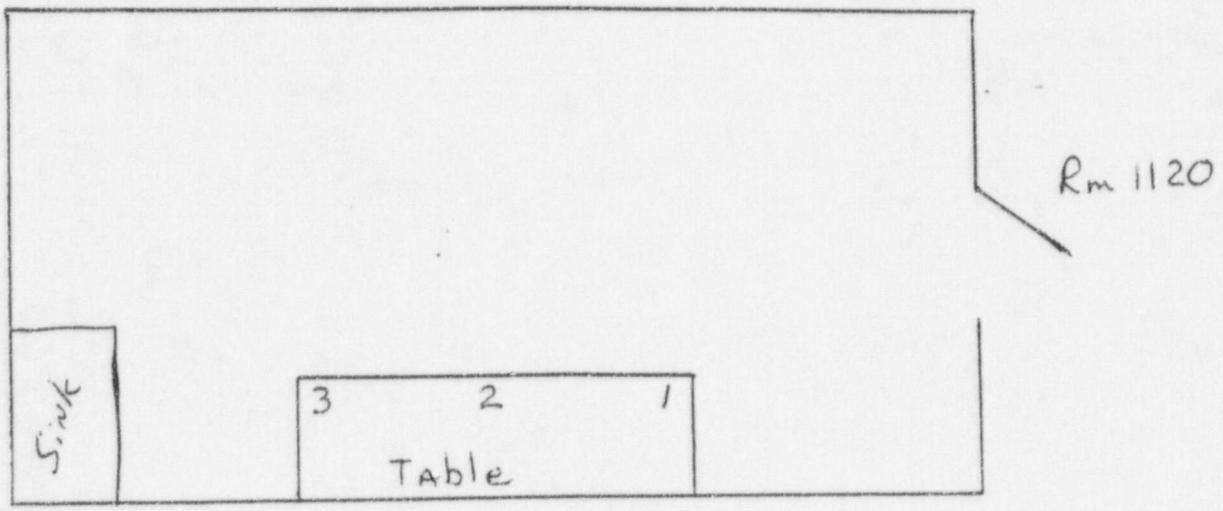
TOXICOLOGY DEPARTMENT
MILES LABORATORIES, INC.

Page _____

Date 8/30/83 Project No. HS10-602 Title Radiation Wipe Test

Radioactive Area Survey Report

Area Monitored: Toxicology - Rm 1120



Blank 48 cpm

cpm

Sample	Before	After
1	75	—
2	80	—
3	317	73

Richard Helms
Signature

8/30/83
Date

Study Director

Date

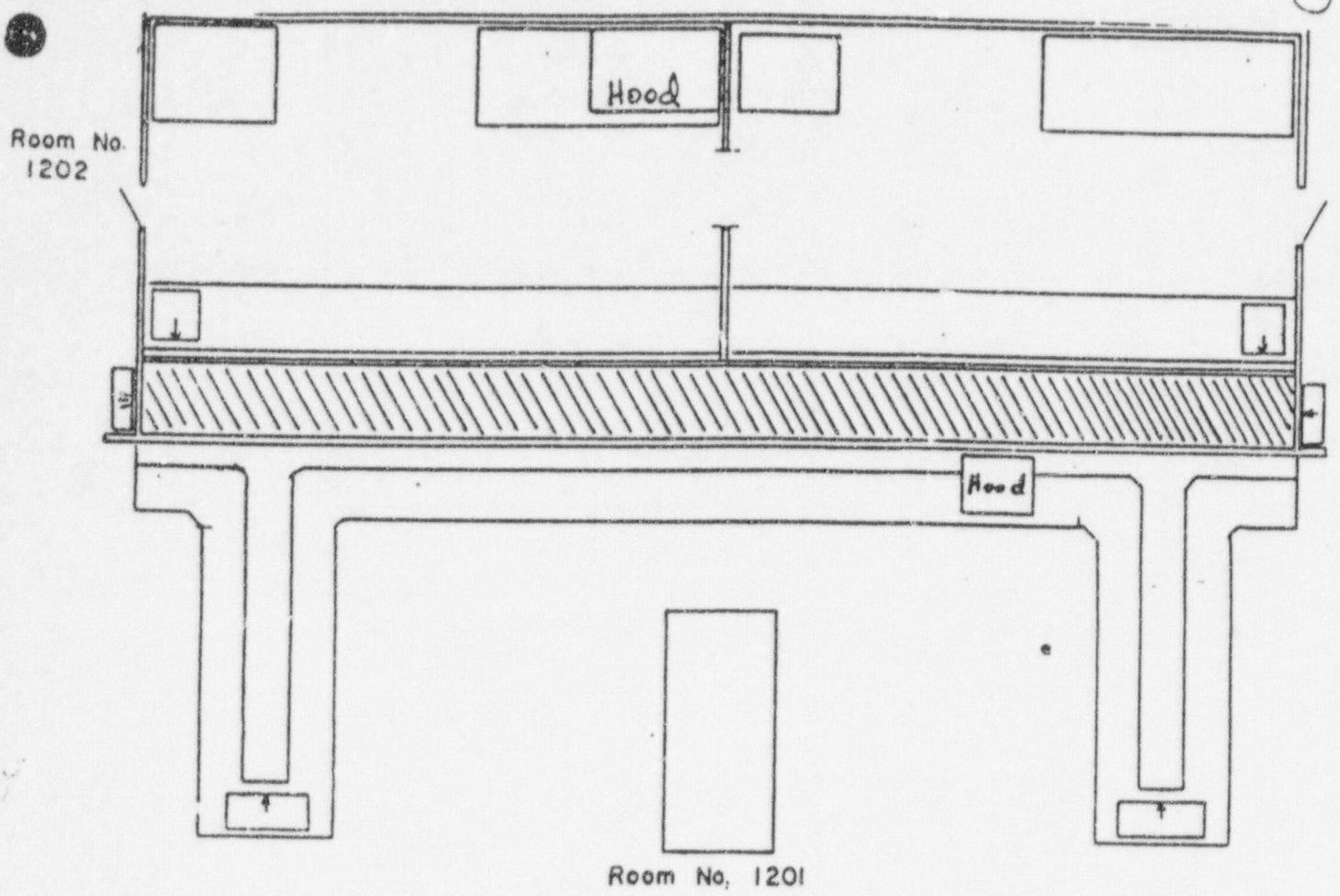
Form No. 4 018 (3-78)

Radioisotope Area Survey Report

Area Monitored: Toxicology

Date: July 5, 1989

Signed. Jerry A. Lyle



Blank ____cpm

Area	cpm		Area	cpm	
	Before	After		Before	After

no isotopic activity

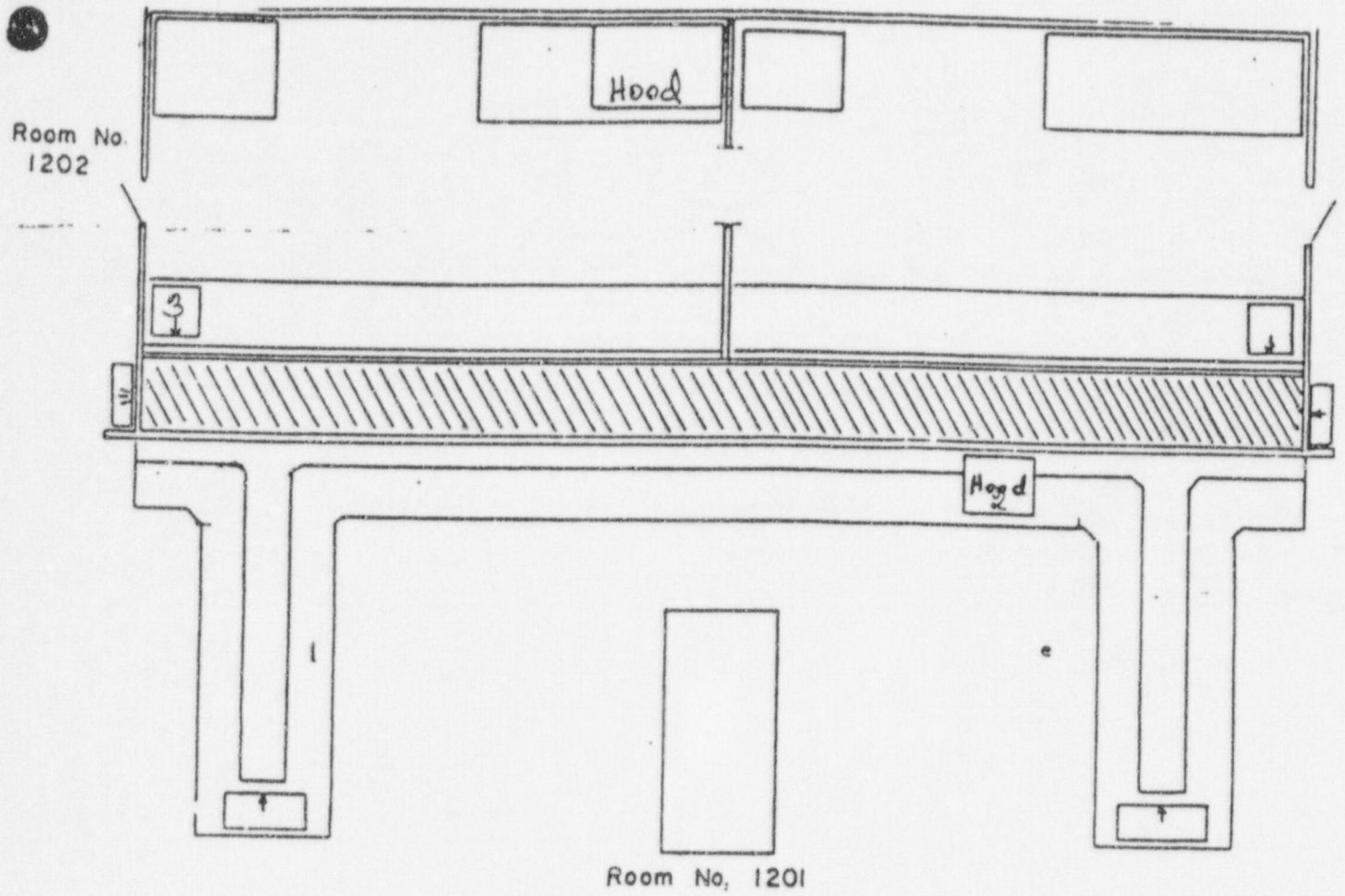
4/18/89 – 6/30/89

Radioiostope Area Survey Report

Area Monitored: Toxicology

Date: 4-17-89

Signed, Sue Polomcak



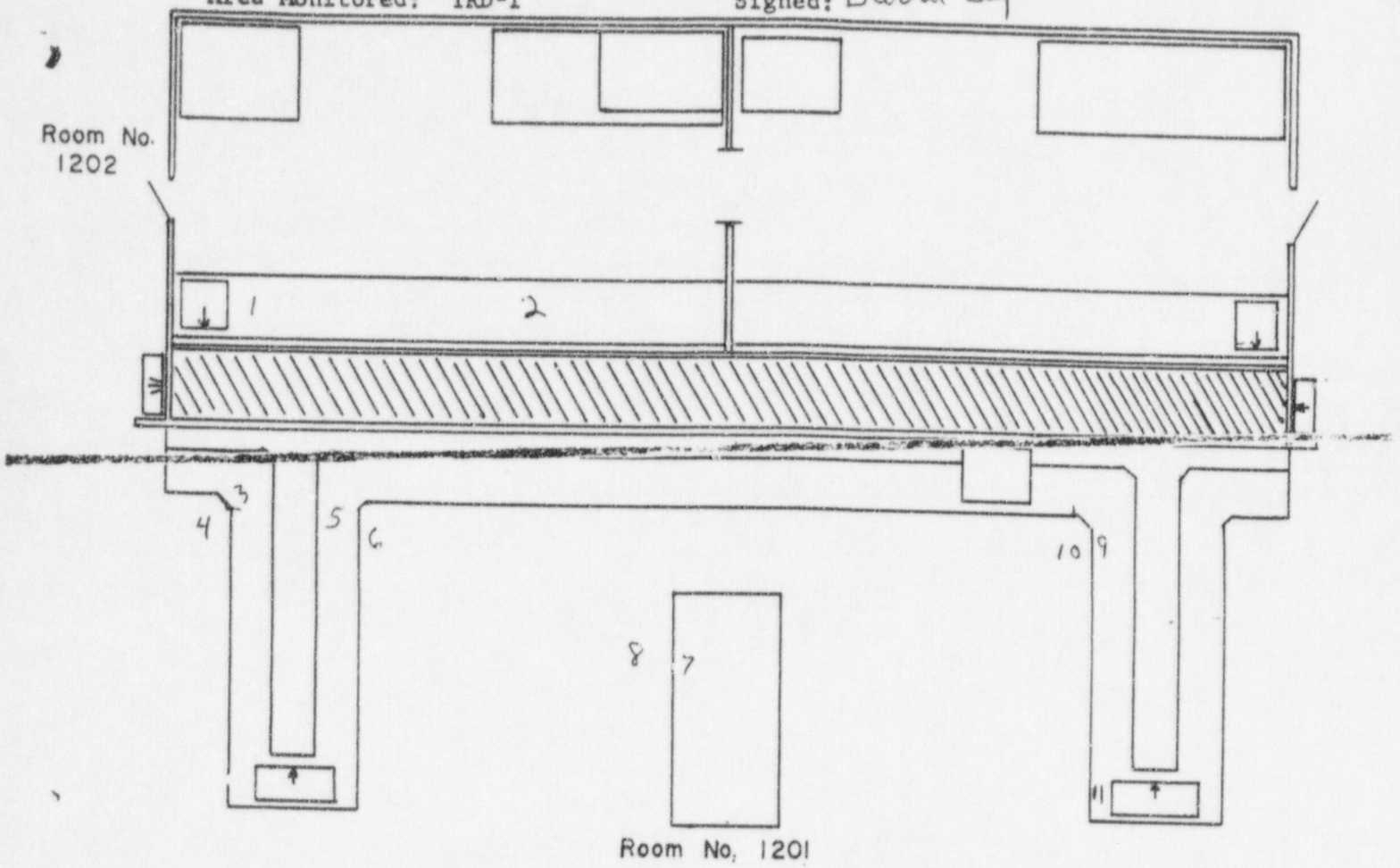
Blank 44 cpm

Area	cpm Before*	After	Area	cpm Before	After
1a	2				
b	≤1				
2a	2				
b	17				
3a	8				
b	28				

* After background subtraction

Radioisotope Area Survey Report Date: 1-25-80

Area Monitored: TRD-1 Signed: David Clifton



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (82 CPM). ^{3}H 82 x 3 = 246
72 ^{14}C 72 x 3 = 216

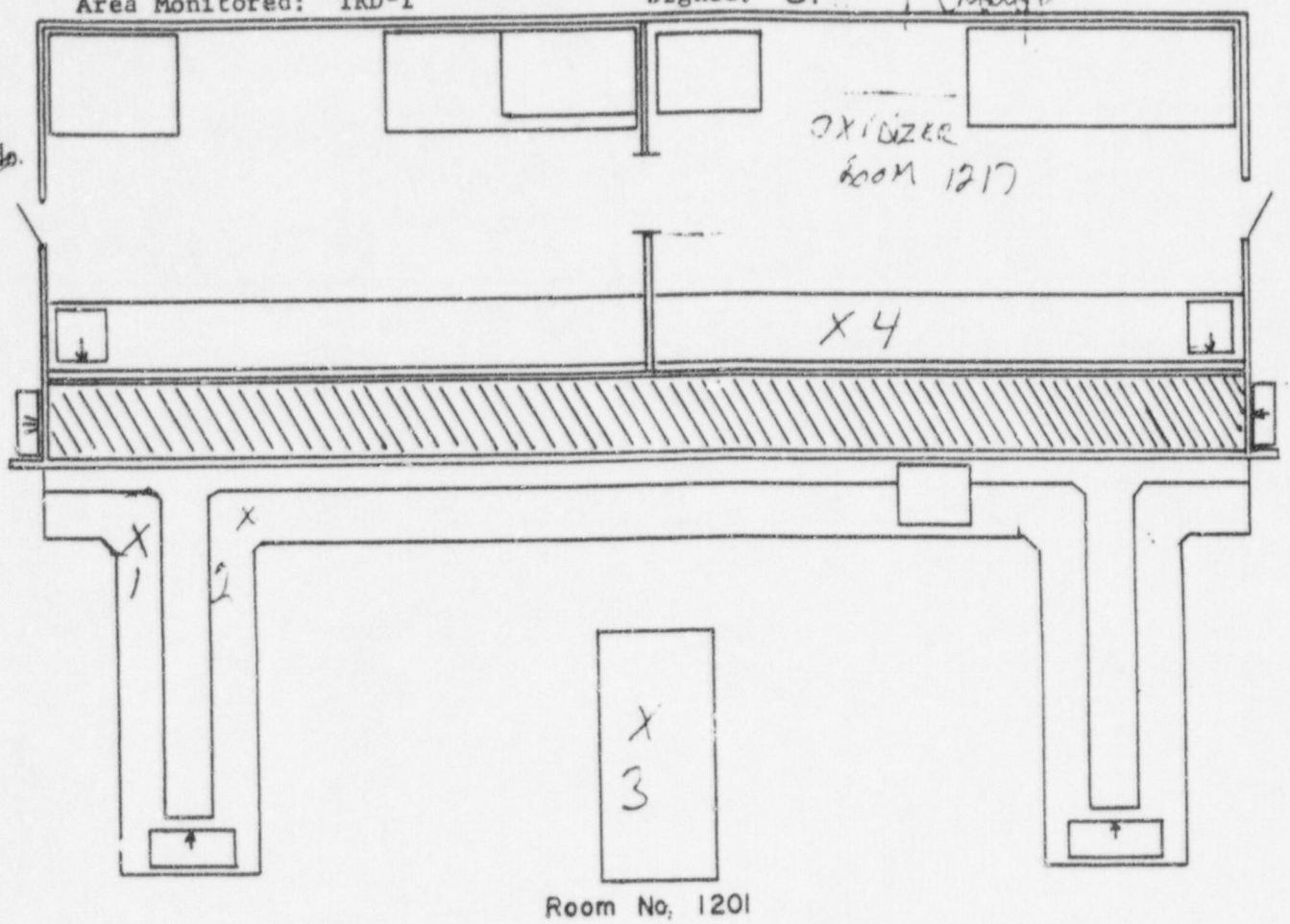
Area	^{3}H	^{14}C	CPM Before	CPM After[a]
1	244		91.5	
2	99		63.5	
3	117		79	
4	63		74	
5	123		164	
6	90		79	
7	65.5		79	
8	98		83.5	
9	203		101	
10	195		88	
11	91		82	
12				
13				
14				

a. after decontamination with

Radioisotope Area Survey Report Date: Dec. 19, 1975

Area Monitored: TRD-1 Signed: Larry Craig

~~Room No. 1202~~



Room No. 1201

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (31 CPM).

^{125}I CPM

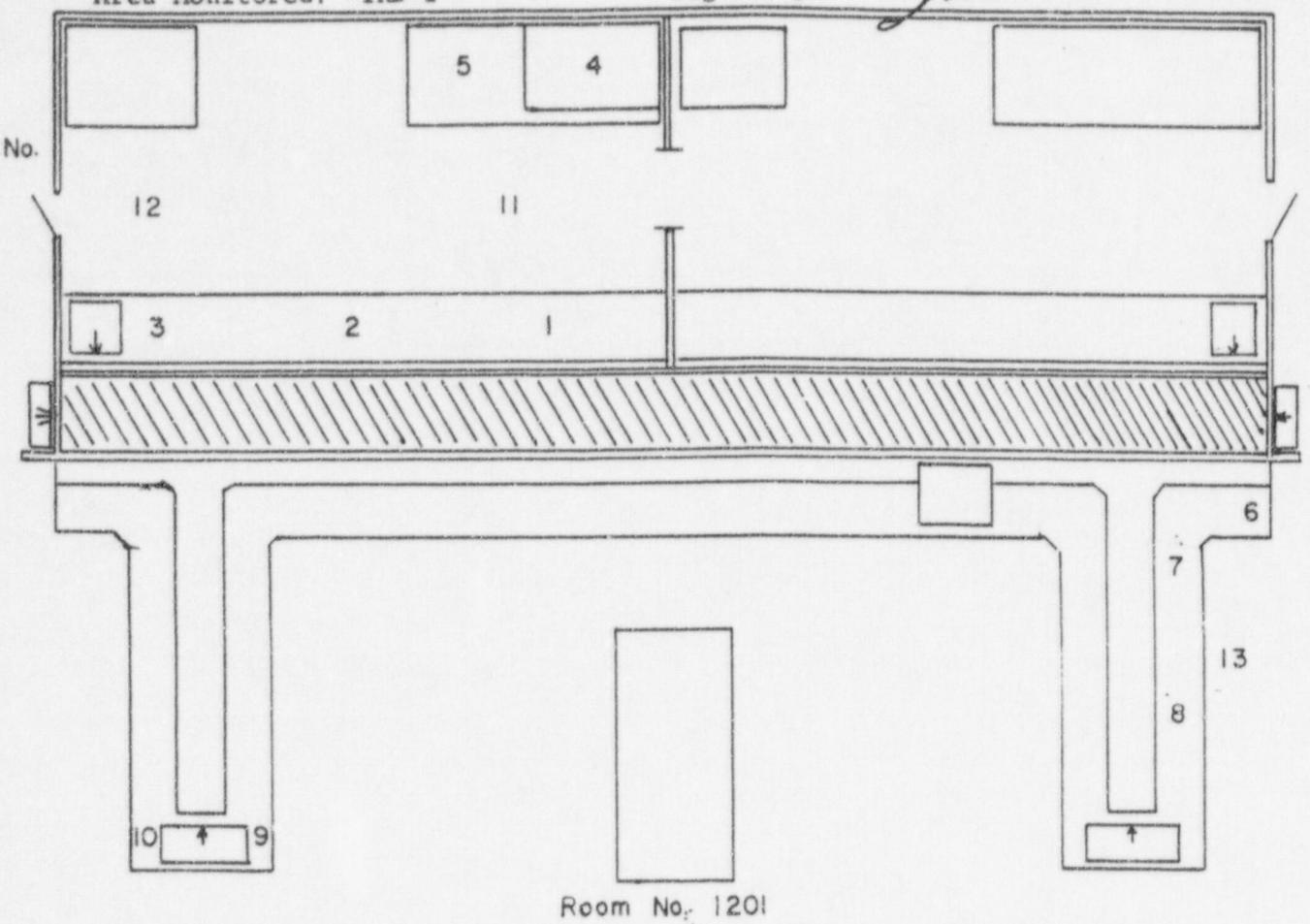
Area	Before	After[a]	Area	Before	After[a]
~~X~~ 21			8		
~~X~~ 17			9		
~~X~~ 19			10		
~~X~~ 16			11		
5			12		
6			13		
7			14		

CPM

a. after decontamination with_____

Radioisotope Area Survey Report Date: April 28, 1972

Area Monitored: TRD-1 Signed: L.S. Wagner



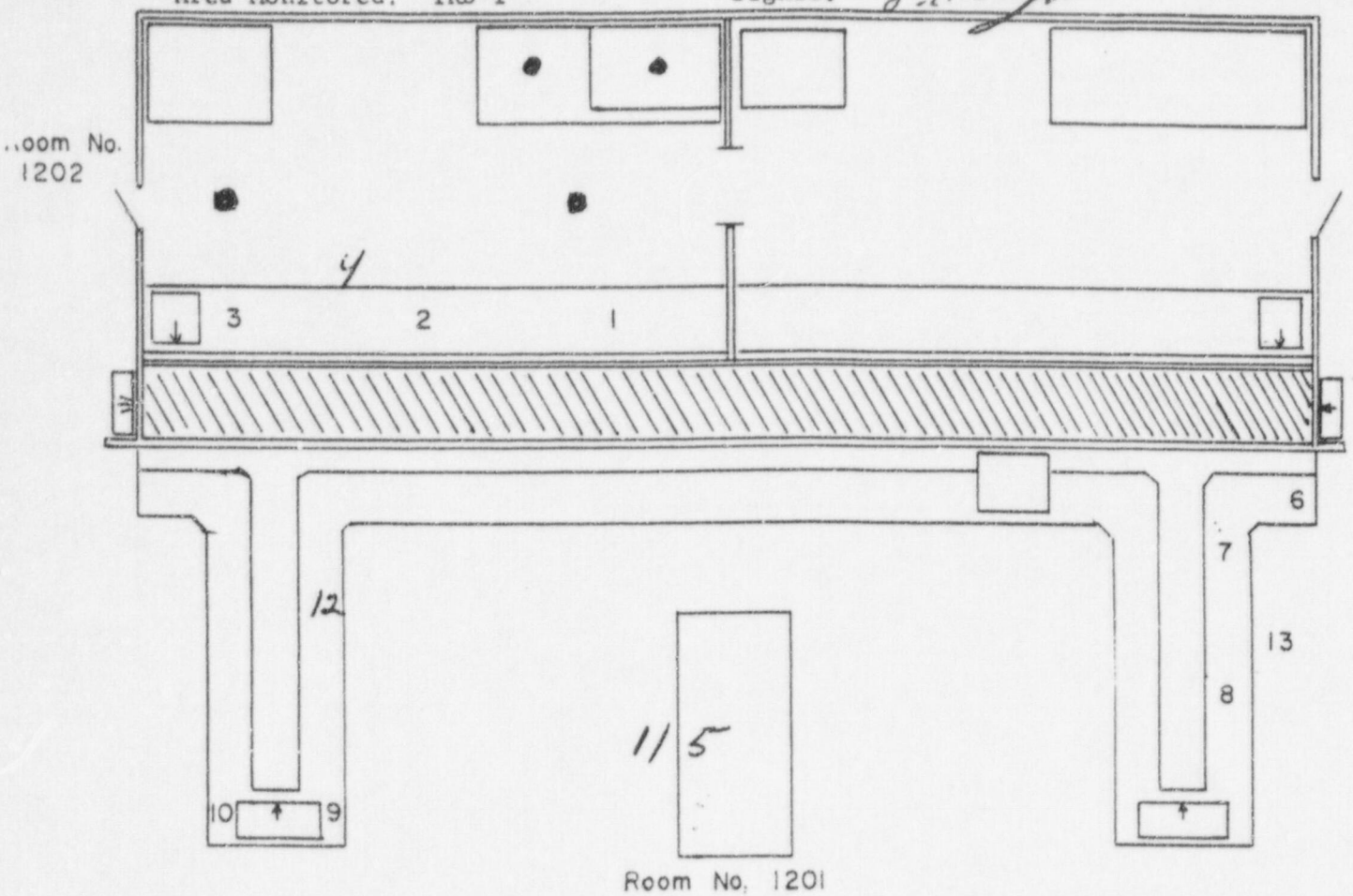
Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (26 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	31		8	26	
2	27		9	26	
3	25		10	25	
4	25		11	25	
5	25		12	25	
6	25		13	25	
7	24		14	X	

a. after decontamination with 6 TOH

Radioisotope Area Survey Report Date: June 30, 1972

Area Monitored: TRD-1 Signed: B.S. Wagner



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (24 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	26		8	27	
2	28		9	24	
3	22		10	25	
4	23		11	24	
5	26		12	25	
6	24		13	24	
7	25		14	X	

a. after decontamination with EtOH

AREA SURVEY REPORTING STATUS

Room No. 1203 Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Sept. 26, 1980
Date

Kenneth Ford
Signature

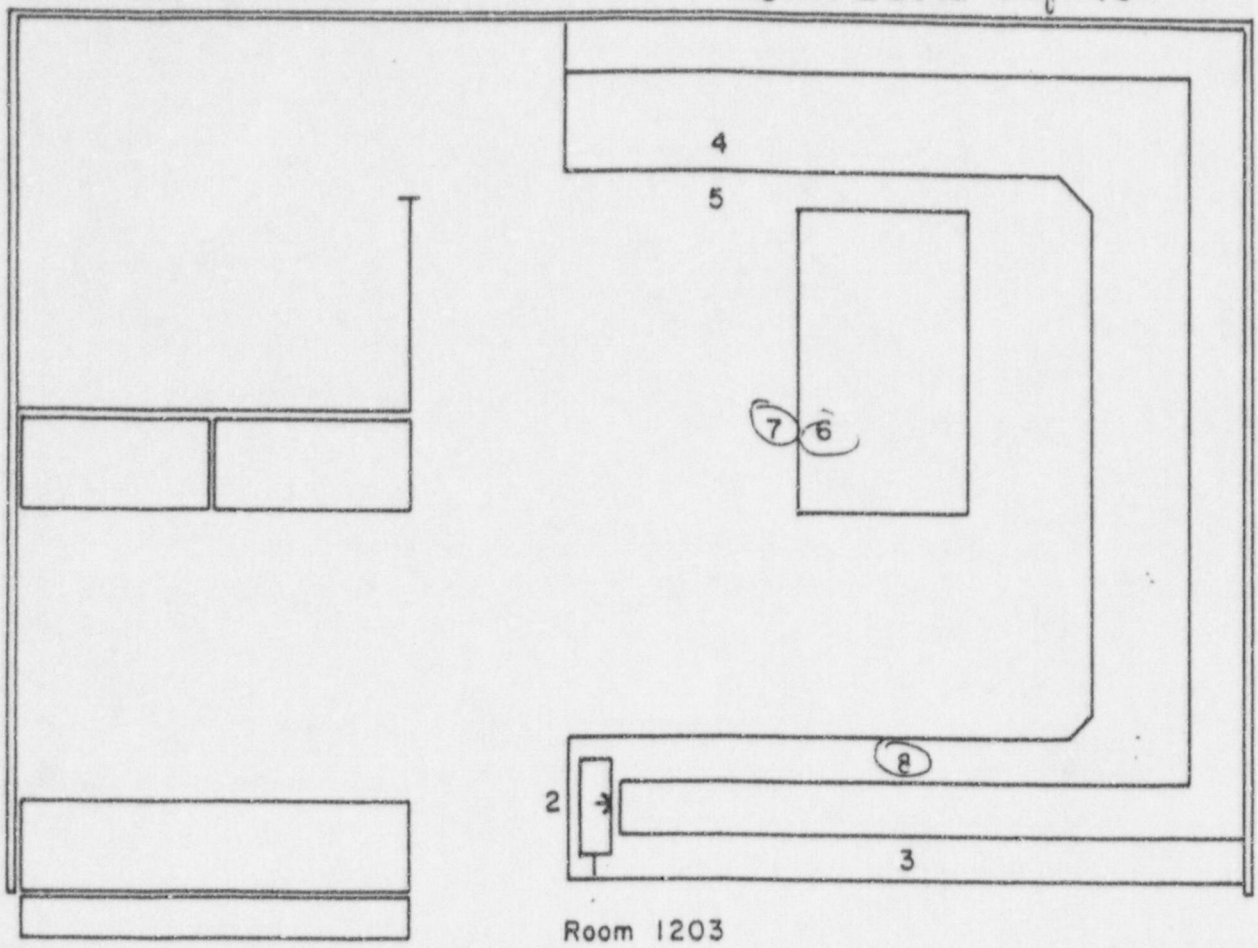
This area was closed to isotope use on Sept. 26, 1980 and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to _____.

Sept. 26, 1980
Date

Kenneth Ford
Radiological Control Officer

Area Monitored: TRD-5 Signed: David Clifton



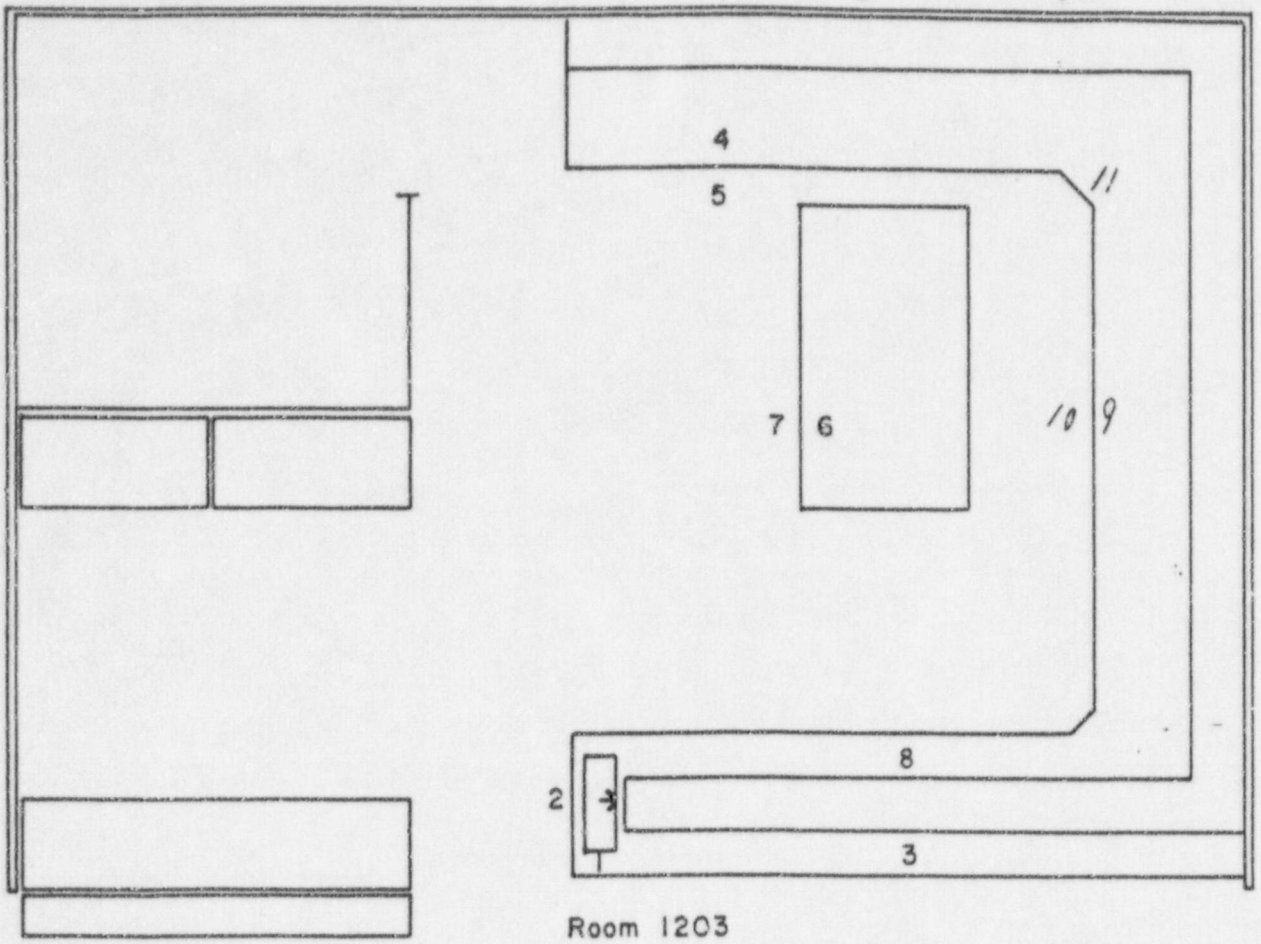
Room 1203

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (169 CPM). ^{3}H 169 X 3 = 507

Area	^{3}H CPM Before	After[a]	Area	^{3}H CPM Before	After[a]
1			8	91	
2			9		
3			10		
4			11	HALLWAY TABLE - 339	
5			12		
6	241		13		
7	216		14		

a. after decontamination with _____

Area Monitored: TRD-5 Signed: David Clifton



Room 1203

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (82 / 72 CPM). ^{3}H $82 \times 3 = 246$ ^{14}C $72 \times 3 = 216$

Area	^{3}H	^{14}C CPM Before	After[a]	Area	^{3}H	^{14}C CPM Before	After[a]
1	70	66		8	236	102	
2	132	72		9	142	72	
3	69.5	77		10	8,195	1,101	
4	61	79		11	94	77	
5	3,255	449		12			
6	4,417	611		13			
7	4,423	594		14			

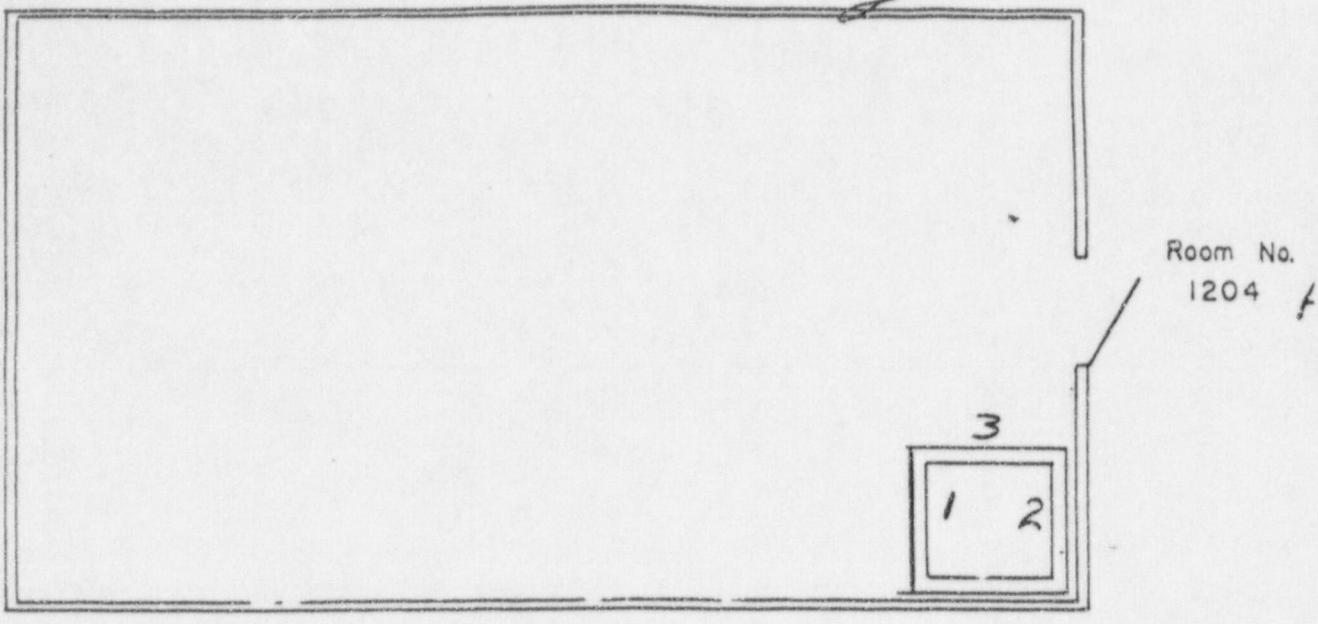
a. after decontamination with _____

Radioisotope Area Survey Report

Date: June 30, 1972

Area Monitored: TRD- 7

Signed: L. E. Wagner



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (24 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	24		8		
2	28		9		
3	25		10		
4			11		
5			12		
6			13		
7			14		

a. after decontamination with EtOH

AREA SURVEY REPORTING STATUS

Room No. 1204 B Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

July 15, 1983 Leonard Jacobs
Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

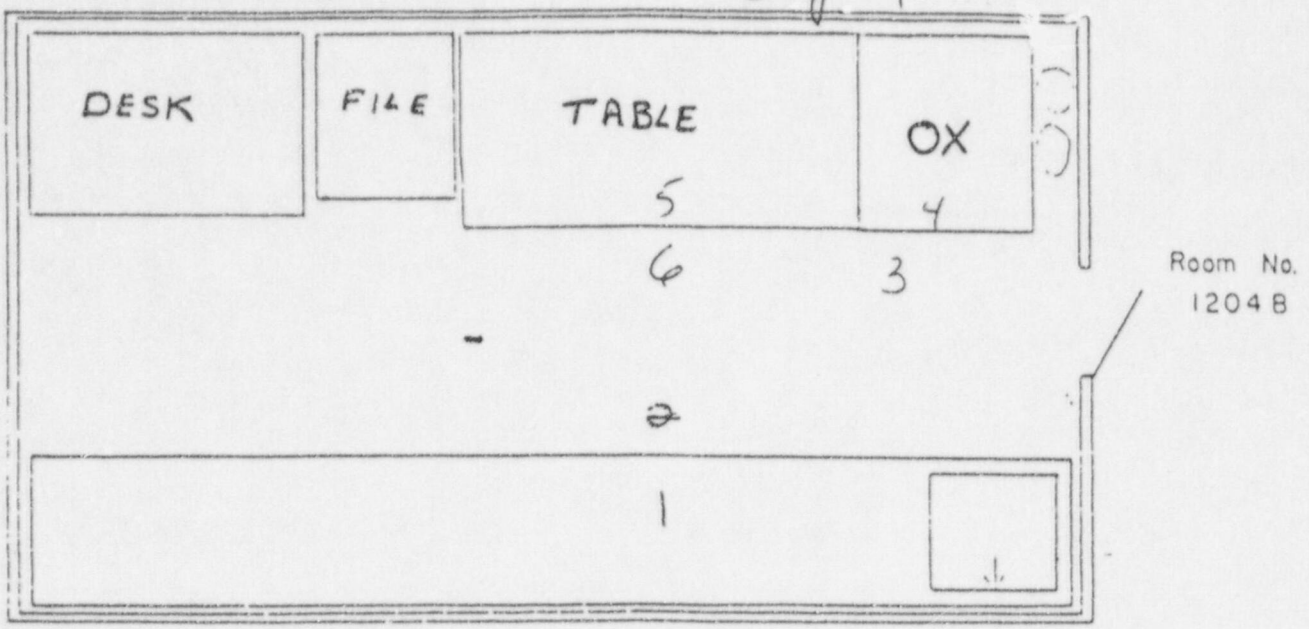
This area was not in use from _____ to

_____.

_____ _____
Date Radiological Control Officer

Radioisotope Area Survey Report Date: 13 July 83

Area Monitored: Toxicology Signed: Bahyeman



Blank 45 cpm

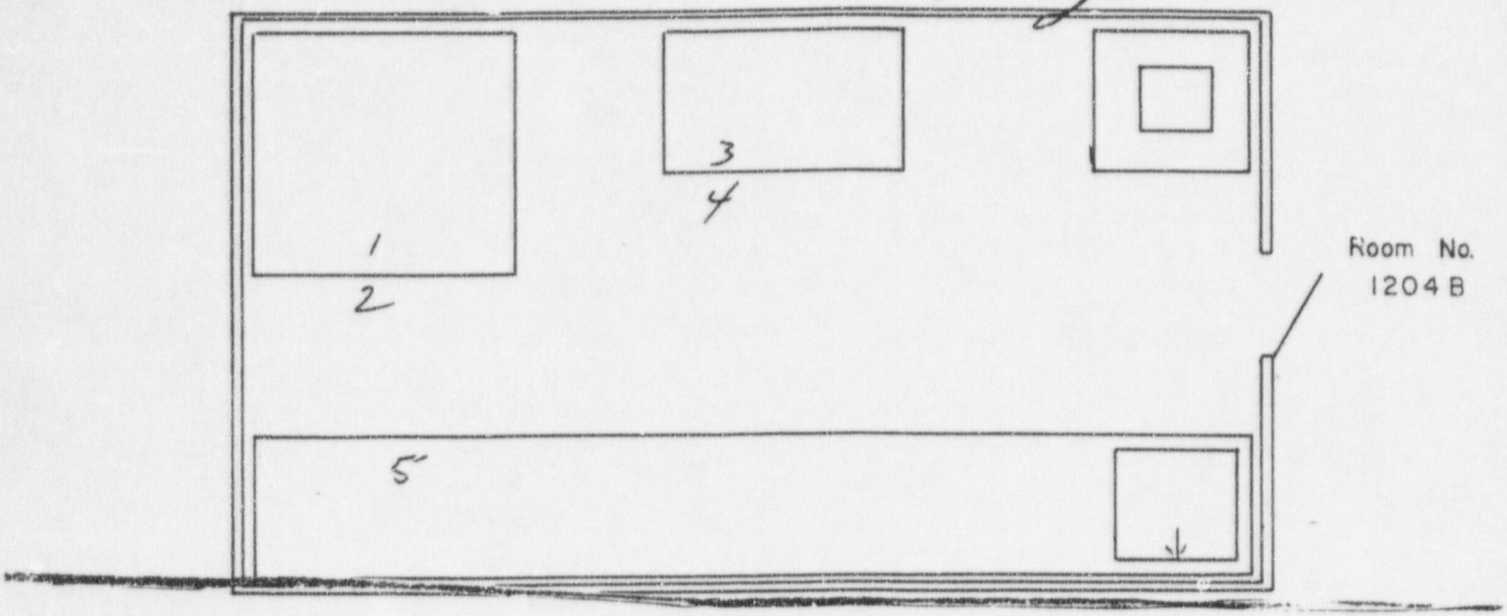
Area	cpm Before	cpm After	Area	cpm Before	cpm After
1	76				
2	61				
3	76				
4	47				
5	177	61			
6	44				

Radioisotope Area Survey Report

Date: Feb. 2, 1973

Area Monitored: TRD-2

Signed: S. C. Wagner



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (25 CPM).

Area	CPM Before	CPM After[a]
1	25	
2	37	
3	44	
4	27	
5	33	
6	X	
7		

Area	CPM Before	CPM After[a]
8		
9		
10		
11		
12		
13		
14		

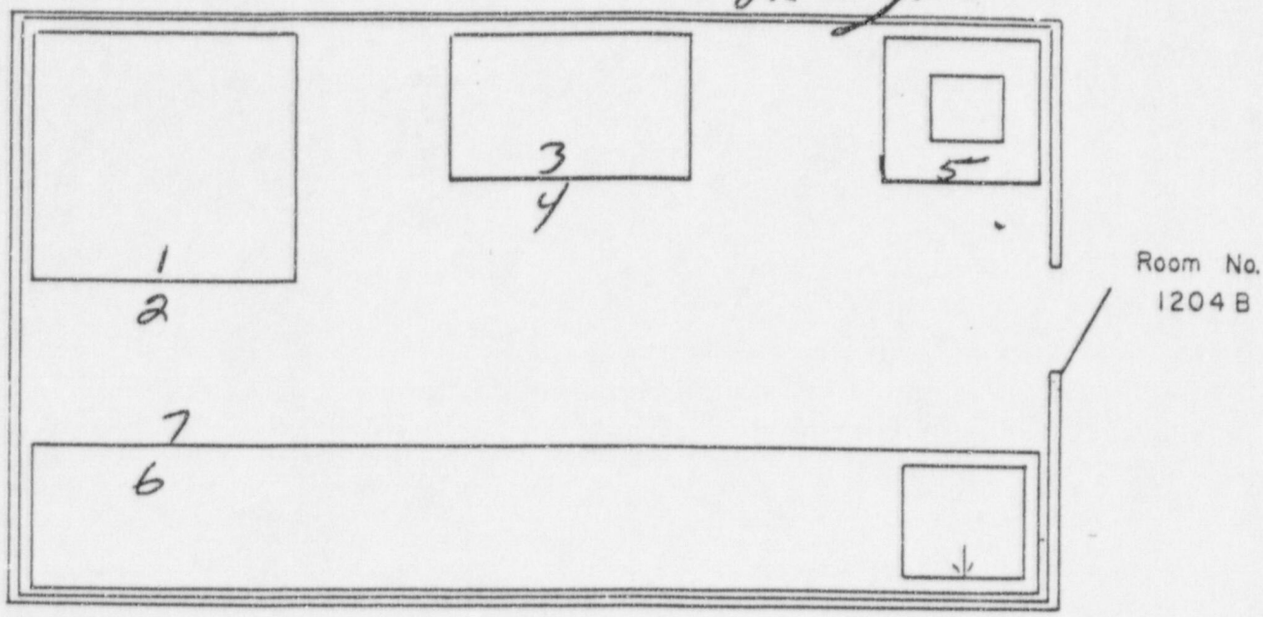
a. after decontamination with EtOH

Radioisotope Area Survey Report

Date: June 30, 1972

Area Monitored: TRD-2

Signed: S.E. Wagner



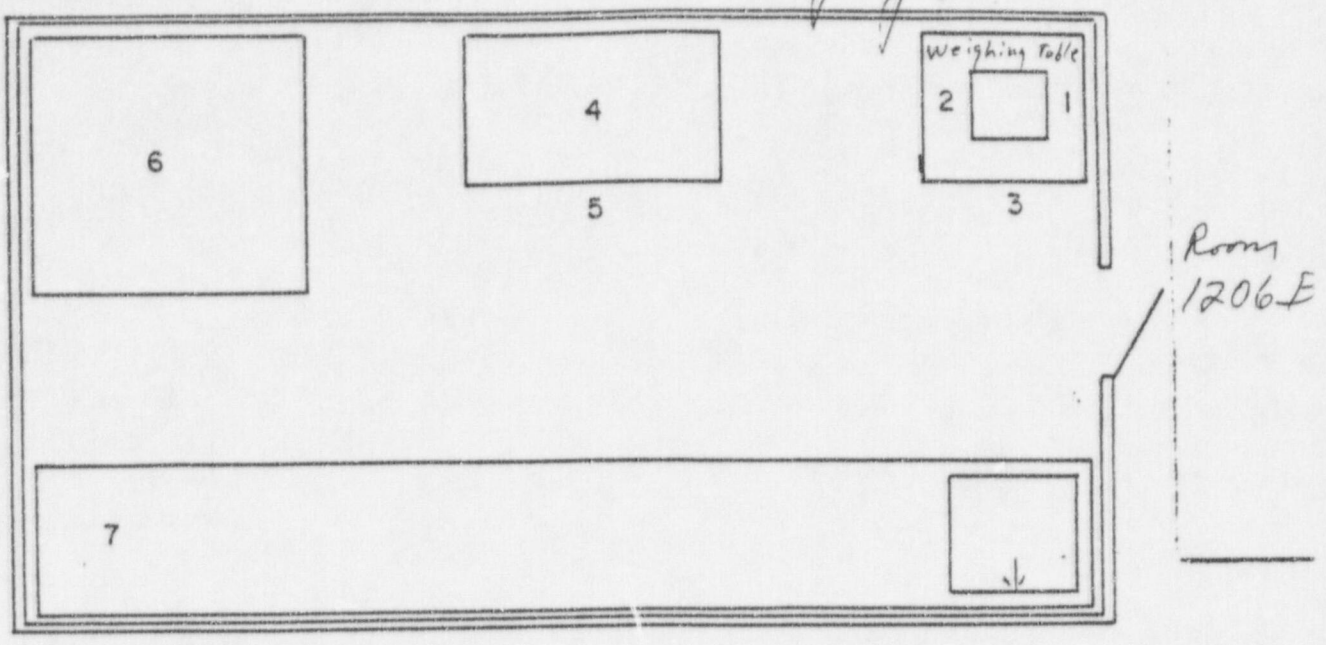
Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (24 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	25		8		
2	26		9		
3	27		10		
4	25		11		
5	24		12		
6	25		13		
7	25		14		

a. after decontamination with EtOH

Radioisotope Area Survey Report Date: 6/24/77

Area Monitored: TRD-2 Signed: Kenneth Forde



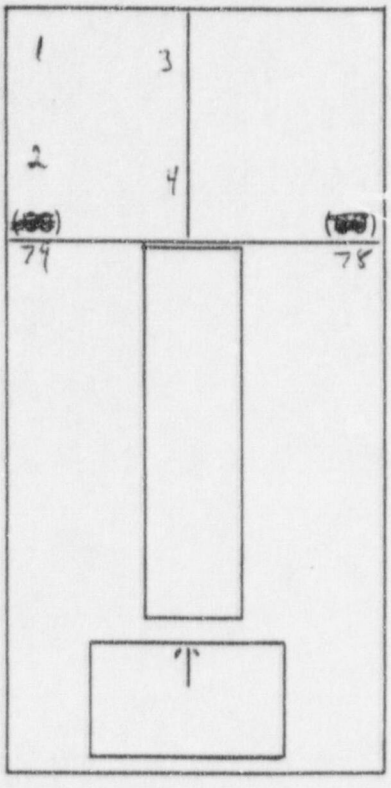
Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (_____CPM).

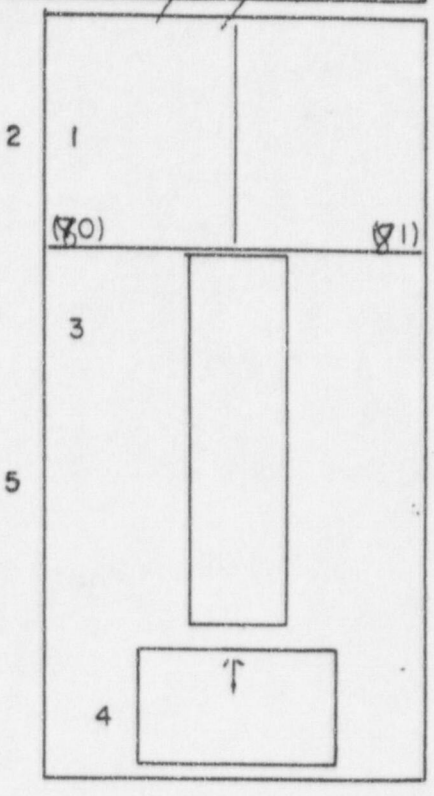
Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
~~1~~ Blank	75		8		
~~2~~ 1)	1030	135	9		
~~3~~			10		
~~4~~			11		
~~5~~			12		
~~6~~			13		
~~7~~			14		

a. after decontamination with soap & water

Radioisotope Area Survey Report Date: June 23, 1982

Area Monitored: TRD-3 Signed: Jacqueline Foder





Room No. ~~1205~~ 1207

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8 x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (105 CPM).

Area		CPM Before	CPM After[a]		Area	CPM Before	CPM After[a]
1	Bench 1	145,510	1197	310	8		
2	Bench 2	133,200	1168	290	9		
3	Sink 3	3,010	969	235	10		
4	Sink 4	4,320	936	260	11		
5					12		
6					13		
7					14		

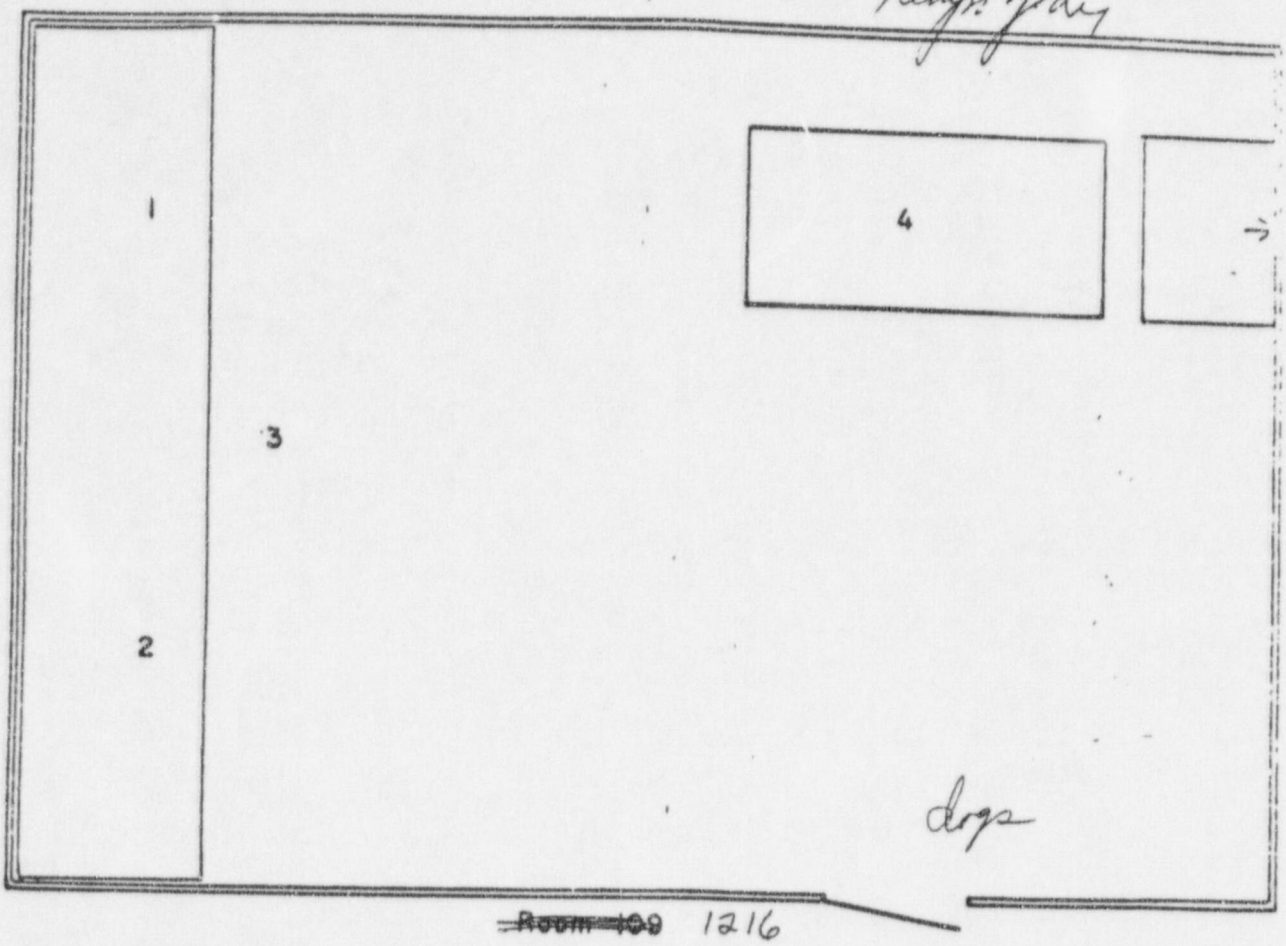
a. after decontamination with (1) Count-off + copious water, (2) surface aerosol count-

Radioisotope Area Survey Report

Date: 3/23/79

Area Monitored: TRD-4

Signed: Kenyon Godby



~~Room 109~~ 1216

Each numbered area was monitored using a Picker Labmonitor No. 600081 with a 1.4-2.0 mg/cm^2 Halogen-quenched geiger tube, approximately 2 inches above the surface of the 100 cm^2 area.

The monitor was previously calibrated with a standard of ^{59}Fe, same as the ^{59}Fe used when dosing dogs within the same area.

3.8 uCi of ^{59}Fe = 2,000 CPM

Room background = ~ 50 CPM

Area	CPM Before	After[a]	Area	Before	After[a]
1 Room exp. level	0.1 m Rem/hr		8		
2 wipe blank	250 CPM in Gammacord		9		
3 floor wipe #1	0 above blank	"	10		
4 floor wipe #2	0 above blank	"	11		
5			12		
6			13		
7			14		

a. after decontamination with _____

Form # 4.378 (9-70)

AREA SURVEY REPORTING STATUS

Room No. 1217 Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Oct. 7, 1980 — Date

Kenyon D. Fridley — Signature

This area was closed to isotope use on Oct. 7, 1980

and will not require wipe testing or area surveying until reopened.

moved to 1204B

This area was not in use from ___ ___, ___ ___ to

___ ___, ___ ___.

Oct. 7, 1980 — Date

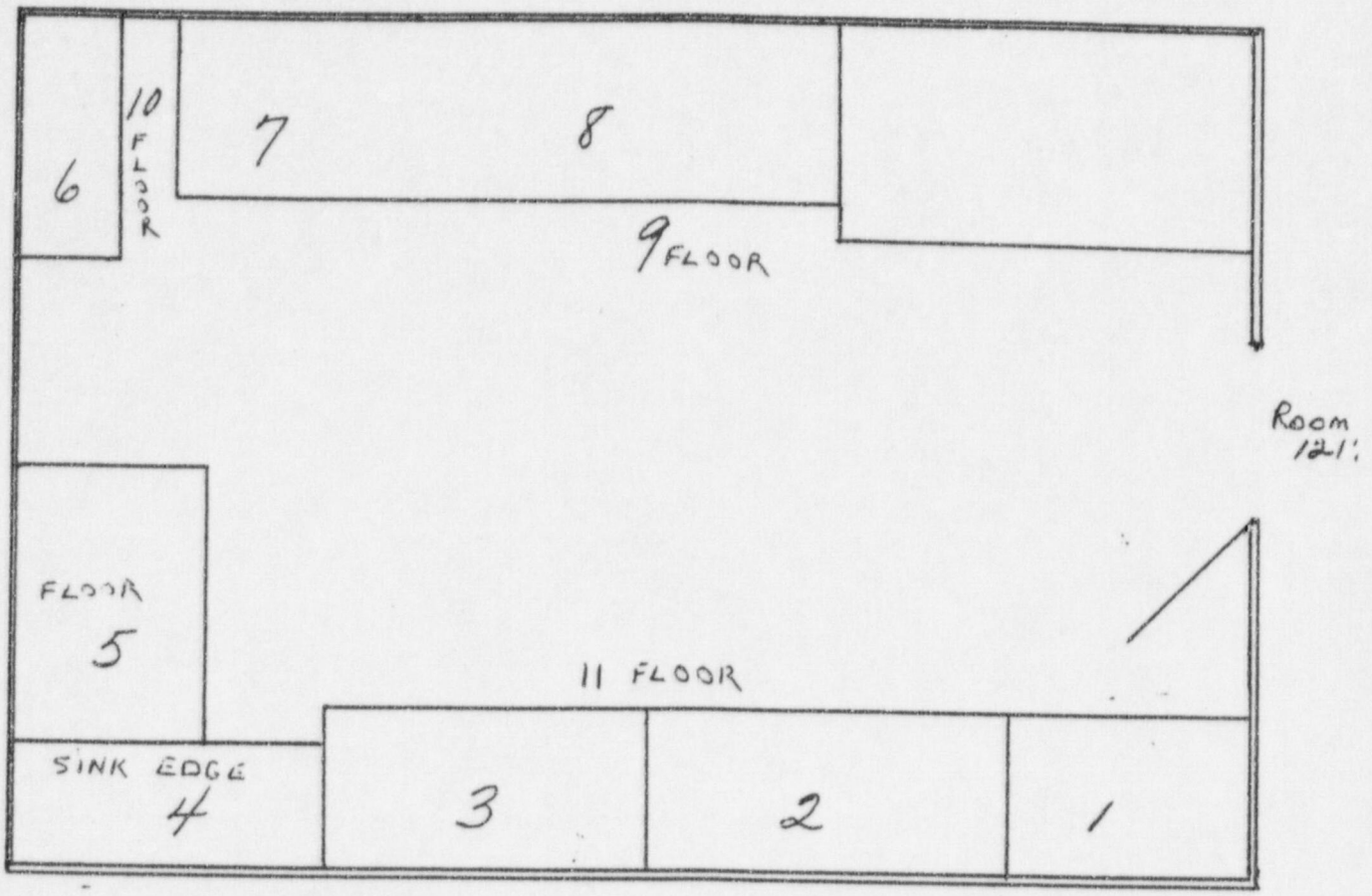
Kenyon D. Fridley — Radiological Control Officer

Radioisotope Area Survey Report

Date: 10-7-80

Area Monitored: TRD-6

Signed: David Clifton



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (34 CPM). ^{3}H 34 X 3 = 102

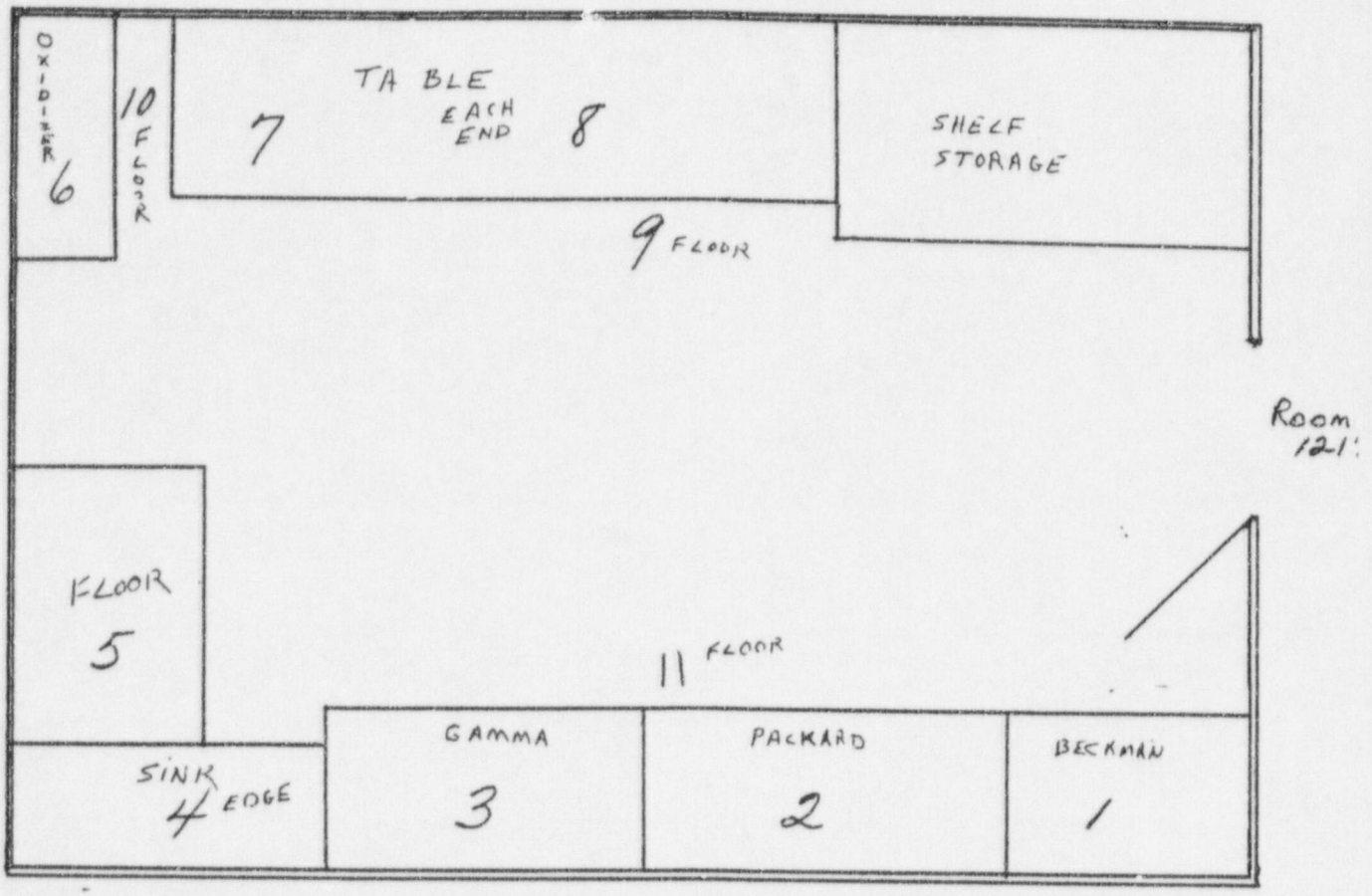
Area	CPM ^{3}H Before	After[a]	Area	CPM ^{3}H Before	After[a]
1	145		8	52	
2	73		9	82	
3	156		10	59	
4	46		11	110	
5	98		12		
6	213		13		
7	285		14		

a. after decontamination with _____

Form # 4.392 (11-70)

Radioisotope Area Survey Report Date: 1-24-80

Area Monitored: TRD-6 Signed: David Clifton



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate ($\frac{138}{77}$ CPM). ^{3}H 138 x 3 = 414; ^{14}C 77 x 3 = 231

Area	CPM Before ^{3}H	CPM Before ^{14}C	After[a] ^{3}H	After[a] ^{14}C
1	125	84.5		
*2	843	158	95	
*3	733.5	176.5	643	
4	102	69		
5	576	129		
*6	1576.5	282.5	355	118
*7	103,105.5		1674.5	

Area	CPM Before ^{3}H	CPM Before ^{14}C	After[a] ^{3}H	After[a] ^{14}C
*8	14,853	380.5	604.5	157
9	2,648	453.5		
10	1,045.5	189		
11	1,827.5	300		
12				
13				
14				

a. after decontamination with count off + H_2O - final water rinse

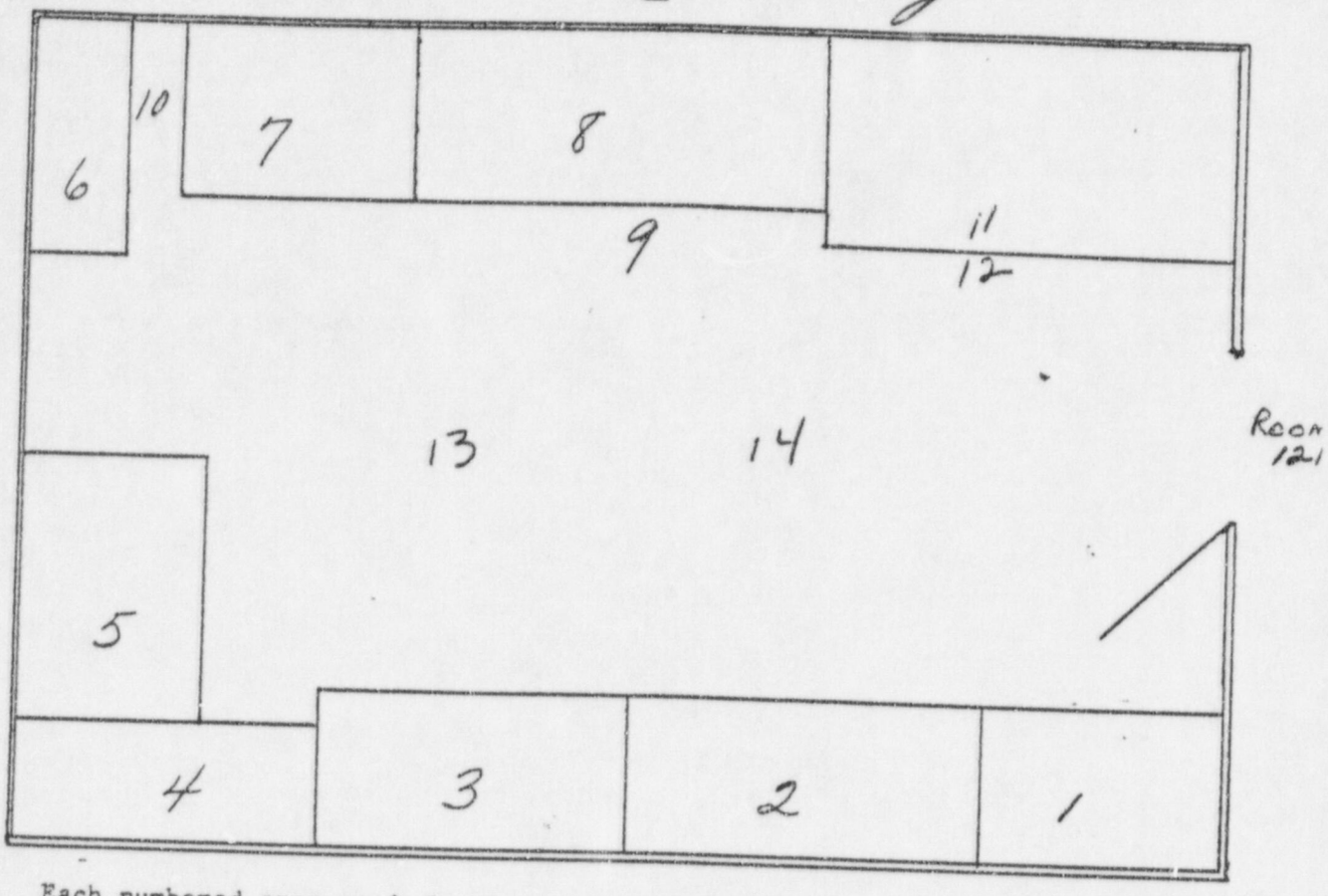
Form # 4.392 (11-70)

Radioisotope Area Survey Report

Date: June 16, 1972

Area Monitored: TRD-6

Signed: L. E. Wagner



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (23 CPM).

Area	CPM	
	Before	After[a]
1		
2		
3		
4		
5		
6		
7		

Area	CPM	
	Before	After[a]
8	21	
9	25	
10	25	
11	21	
12	22	
13	23	
14	23	

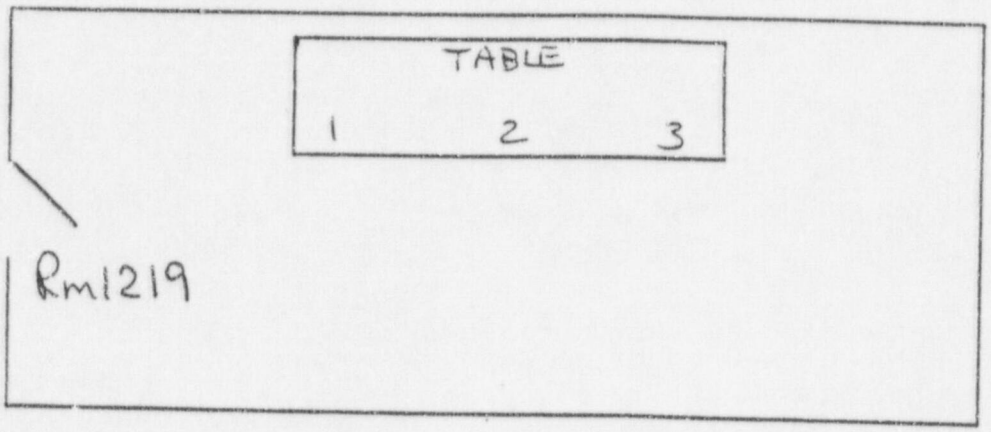
a. after decontamination with EtOH

Form # 4.392 (11-70)

TOXICOLOGY DEPARTMENT
MILES LABORATORIES, INC.

Page _____

Date 12/19/83 Project No. HS10-602 Title PDC/HDC iv Rat Study
Radioactive Room monitoring



BK = 45 dpm

Area	dpm
1	54
2	27
3	60

Richard Helms
Signature

12/19/83
Date

Study Director

Date

AREA SURVEY REPORTING STATUS

Room No. 2101 Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

April 15, 1986 [signature]
Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

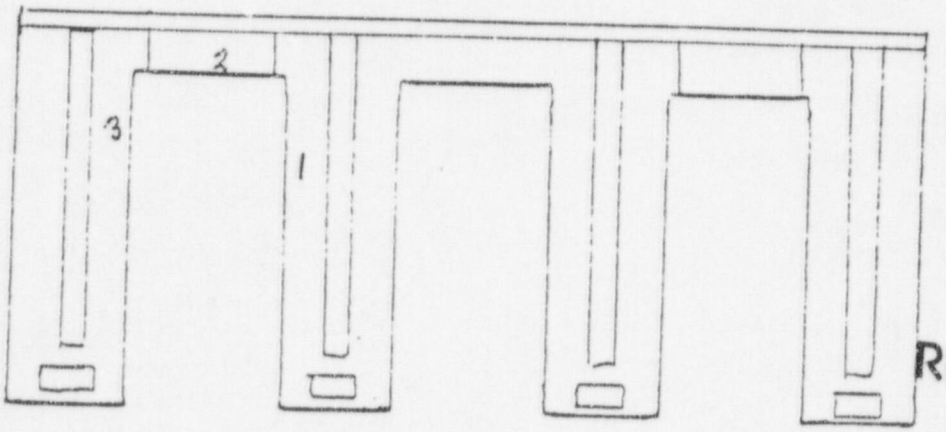
_____.

_____ _____
Date Radiological Control Officer

Radioisotope Area Survey Report Date: 4/15/66

Area Monitored: Area 21a Signed: Clifford O. Yehle

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg. 9, Floor 1, Wing 2

RECEIVED
APR 17 1966
CORP. SAFETY & HE4

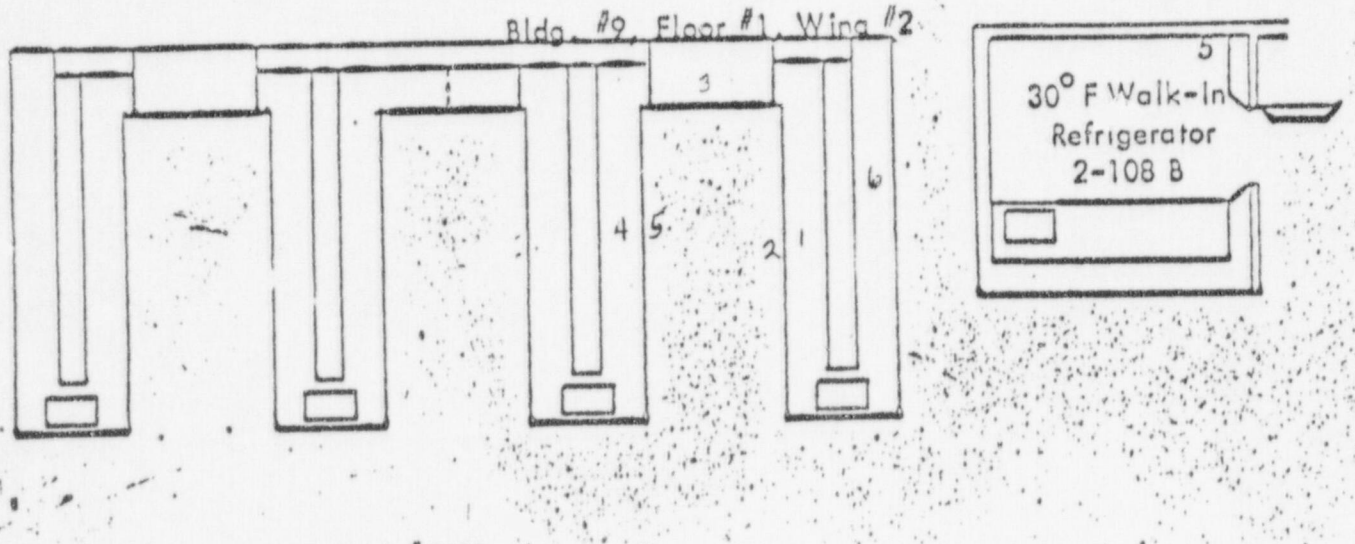
Counts Per 1 Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	yes	^3H	~~45~~ 45	39			CO
2	yes	"	43	"			
3	yes	"	40	"			
4							
5							
6							
7							
8							
9							
10							

Radioisotope Area Survey Report

Date June 10, 1974

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with ~~0.9% sodium chloride~~ water is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard ~~gamma counting tube~~ scintillation vial. Each such tube is counted three times in a ~~gamma counting~~ liquid scintillation instrument such as the ~~Auto-Gamma Spectrometer or the Gamma-card~~ for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Laboratory Area # 2101

Counts Per ____ Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	yes	^3H	27	23			
2	yes	^3H	28	23			
3	yes	^3H	40	23			
4	~~yes~~ no	^3H	29	23			
5	no	^3H	24	23			
6	no	^3H	22	23			
7							
8							
9							

AREA SURVEY REPORTING STATUS

Room No. 2103 Building No. 9

☐ Temporarily closed for isotope use.

☑ Permanently closed for isotope use. E. Adam's area

Jan. 30, 1981
Date

Signature

- - - -

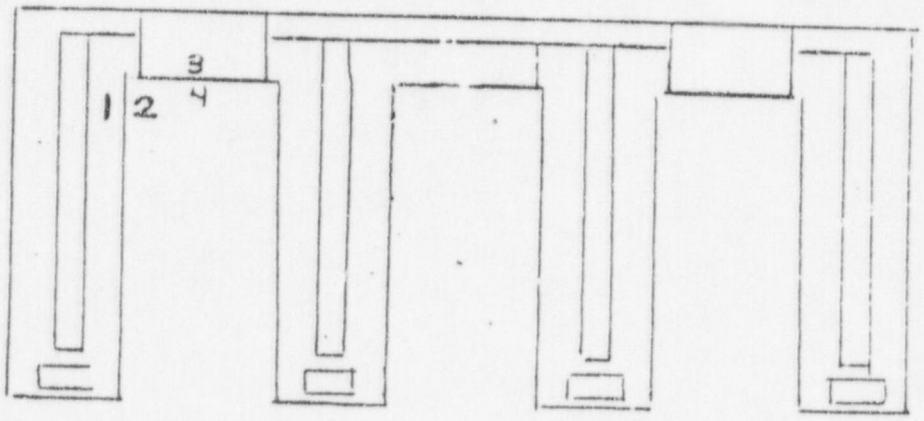
SPI B

Radioisotope Area Survey Report

Date: January 29, 1981

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 2" diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the backgroung count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

Bldg. #9, Floor #1, Wing #2



Laboratory Area #C 2103

E. Adams

a	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	YES	^{125}I	260	260			C. Sabo
2	YES	^{125}I	260	260			C. Sabo
3	YES	^{125}I	250	250			C. Sabo
4	YES	^{125}I	250	250			C. Sabo
5							
6							
7							
9							

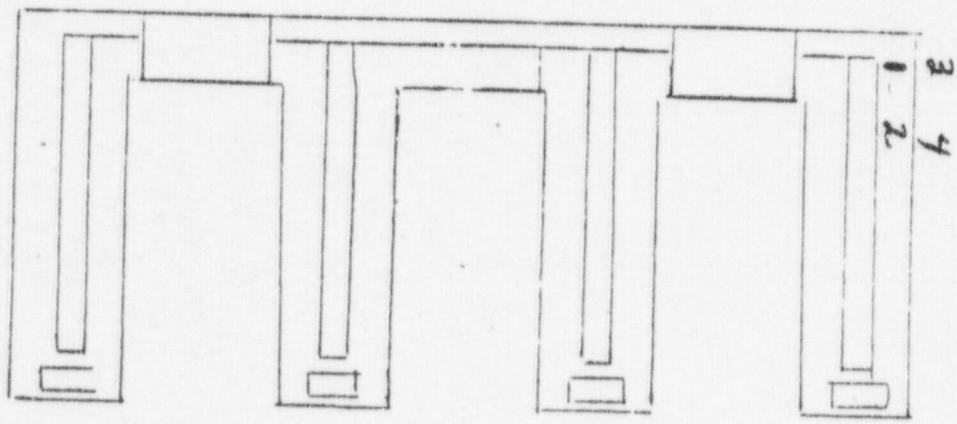
NRC B

Radioisotope Area Survey Report

Date 1.4.79

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 5 cm diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the backgroung count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

Bldg. #9, Floor #1, Wing #2



Laboratory Area #C 2103

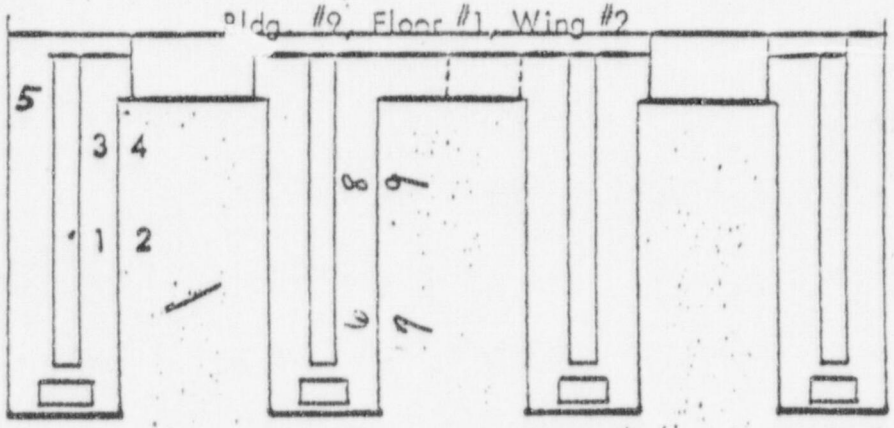
Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	YES	I^{125}	260	300			Kawara
2	YES	I^{125}	270	325			
3	YES	I^{125}	230	230			
4	YES	I^{125}	290	315			J.
5							
6							
7							
9							Bassage

ARL - B

Radioisotope Area Survey Report

Date Feb 22, 1923

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Laboratory Area ~~C 2110~~ 2103

Counts Per 4 Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	✓		420	390			F. Yeager
2	✓		430				F. Yeager
3	✓		435				F. Yeager
4	✓		450				F. Yeager
5	✓		420				F. Yeager
6	✓		410				F. Yeager
7	✓		413				F. Yeager
8	✓		430				F. Yeager
9	✓		410				F. Yeager

AREA SURVEY REPORTING STATUS

Room No. 2105 Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

May 17, 1984 Kenfar Jody
Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

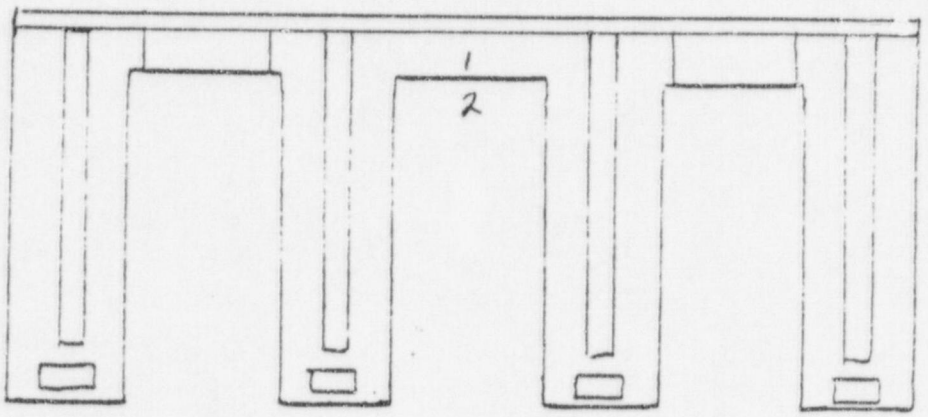
_____.

_____ _____
Date Radiological Control Officer

Radioisotope Area Survey Report Date: 6/17/97

Area Monitored: Area 2105, Bldg 9-2, 1st fl. Signed: M. J. Cal[illegible]

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg. 9, Floor 1, Wing 2

Counts Per 1 Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	yes	125-I	28	34			
2			31	34			
3							
4							
5							
6							
7							
8							
9							
10							

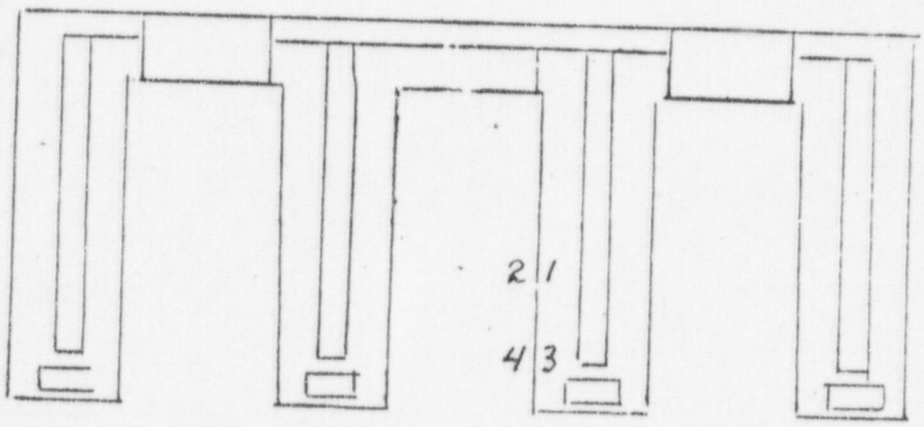
APL B

Radioisotope Area Survey Report

Date Sept 7, 1979

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the backgroung count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

Bldg. #9, Floor #1, Wing #2



Laboratory Area #C 2105

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	✓	^{125}I	370	340	~~[illegible]~~		
2	✓		380	340			Fran
3	✓		320	340			
4	✓		340				Yeager
5							
6	This area will no longer						
7	be used for radioactive						
	work.						Tony

Bayer

Diagnostics Division

Internal Memorandum

Date: June 24, 1996

Subject: The Discontinuation of the Radioistope Laboratoty by Immunodiagnostics

From: Dan P. Wilson

To: Kenyon D. Yoder

No radioisotopes have been used by Immunodiagnostics R&D since December 31, 1995. Our department will no longer used this isotope facility(2106A , in building 9) effective April 9, 1996. Our isotope inventory was reduced to zero as of the end of 1995.

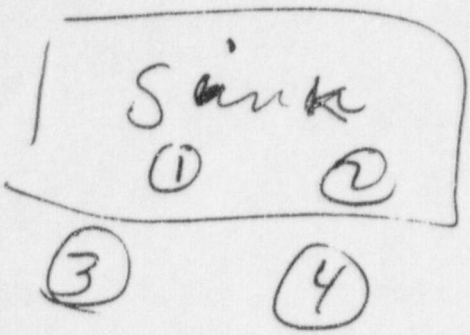
The Diabetes department has taken over the facility, and they will continue to use the room until building is officially closed in 1996.

The room was decontaminated and wipe tests were performed on various areas in this room. The areas tested and the counting data are enclosed. The door knob was further decontaminated and recounted. The data showed that all areas are clean as of the 15th of April, 1996.

Dan P. Wilson

Dan P. Wilson
Bldg. 9 Radioisotope Area Supervisor

4-9-96



Jmy

Blanks 5+6

USER: 2 ID: PRESET TIME: 5.00 SAT 12 SEP 1981 19:25
SAMPLE REPEAT: 3 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:01.00000
HALF LIFE(DAYS):N

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
1	5	1	14.20	23.74	5.00	5.22	1.0	
		2	25.60	17.68				
		3	39.20	14.29				
1	5	1	11.80	26.04	5.00	10.39	2.0	
		2	22.40	18.90				
		3	38.80	14.36				
1	5	1	16.80	21.82	5.00	15.55	2.0	
		2	26.60	17.34				
		3	40.60	14.04				
SAM AVG CPM(RNG) 1: 14.27(17.76) 2: 24.87(9.92) 3: 39.53(2.70)								
2	6	1	17536.66	1.95	0.60	16.41	2.0	
		2	95229.98	0.84				
		3	95671.66	0.83				
2	6	1	17383.33	1.96	0.60	17.14	1.0	
		2	95348.32	0.84				
		3	95738.32	0.83				
2	6	1	17618.33	1.95	0.60	17.88	2.0	
		2	95108.32	0.84				
		3	95516.66	0.84				
SAM AVG CPM(RNG) 1: 17512.77(0.74) 2: 95228.88(0.13) 3: 95642.21(0.13)								
3	7	1	67126.66	1.99	0.15	18.27	-1.0	
		2	68046.66	1.98				
		3	68080.00	1.98				
3	7	1	67720.00	1.98	0.15	18.53	-1.0	
		2	68700.00	1.97				
		3	68726.66	1.97				
3	7	1	67073.33	1.99	0.15	18.80	0.0	
		2	67993.33	1.98				
		3	68013.33	1.98				
SAM AVG CPM(RNG) 1: 67306.66(0.61) 2: 68246.66(0.66) 3: 68273.33(0.66)								
4	8	1	22.20	18.98	5.00	24.07	80.0	
		2	32.80	15.62				
		3	43.80	13.51				
4	8	1	20.60	19.71	5.00	29.23	80.0	
		2	30.60	16.17				
		3	45.40	13.27				
4	8	1	21.60	19.25	5.00	34.38	81.0	
		2	31.80	15.86				
		3	45.20	13.30				
SAM AVG CPM(RNG) 1: 21.47(4.04) 2: 31.73(3.57) 3: 44.80(2.23)								

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
		2	38.60	14.40				
		3	48.20	12.88				
5	9	1	24.20	18.18	5.00	44.87	81.0	
		2	35.60	14.99				
		3	50.00	12.65				
5	9	1	20.00	20.00	5.00	50.02	84.0	
		2	31.60	15.91				
		3	41.80	13.83				
SAM AVG CPM(RNG) 1:			23.00(13.04)		2:	35.27(10.40)	3:	46.67(10.43)
6	10	1	32.20	15.76	5.00	55.30	78.0	
		2	43.60	13.55				
		3	56.00	11.95				
6	10	1	29.80	16.38	5.00	60.45	80.0	
		2	40.00	14.14				
		3	52.60	12.33				
6	10	1	28.80	16.67	5.00	65.60	79.0	
		2	40.80	14.00				
		3	52.60	12.33				
SAM AVG CPM(RNG) 1:			30.27(6.39)		2:	41.47(5.14)	3:	53.73(4.22)
7	11	1	34.40	15.25	5.00	70.88	81.0	
		2	45.00	13.33				
		3	56.20	11.93				
7	11	1	43.20	13.61	5.00	76.03	80.0	
		2	53.20	12.26				
		3	63.40	11.23				
7	11	1	39.00	14.32	5.00	81.18	82.0	
		2	50.20	12.62				
		3	62.60	11.30				
SAM AVG CPM(RNG) 1:			38.87(11.49)		2:	49.47(9.03)	3:	60.73(7.46)
8	12	1	41.00	13.97	5.00	86.46	77.0	
		2	53.20	12.26				
		3	65.60	11.04				
8	12	1	42.40	13.74	5.00	91.61	78.0	
		2	52.60	12.33				
		3	61.60	11.40				
8	12	1	39.60	14.21	5.00	96.76	78.0	
		2	51.60	12.45				
		3	62.80	11.29				
SAM AVG CPM(RNG) 1:			41.00(3.41)		2:	52.47(1.65)	3:	63.33(3.58)
9	13	1	17.00	21.69	5.00	102.04	77.0	
		2	27.60	17.03				
		3	38.20	14.47				
9	13	1	23.80	18.33	5.00	107.18	76.0	
		2	34.60	15.21				
		3	45.20	13.30				
9	13	1	22.00	19.07	5.00	112.33	77.0	
		2	32.00	15.81				
		3	41.80	13.83				
SAM AVG CPM(RNG) 1:			20.93(18.79)		2:	31.40(12.10)	3:	41.73(8.47)

4-15-96

7774

(1) Door Knob

(2) Refrig Handle

(3) Insidr Refrig (Bottom)

(4) Floor in front of Frig

(5) " " " " Counter

(6) B/K.

(7) Floor in front of Bench.

Fran

Building 9 Rm 2106A

4/15/9

USER: _ ID: PRESET TIME: 5.00 FRI 18 SEP 1981 19:31
SAMPLE REPEAT: 3 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:@1.00000
HALF LIFE(DAYS):N

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
1	20	1	15.40	22.79	5.00	5.23	1.0	
		2	27.00	17.21				
		3	43.40	13.58				
1	20	1	14.20	23.74	5.00	10.40	1.0	
		2	27.80	16.96				
		3	42.40	13.74				
1	20	1	15.80	22.50	5.00	15.56	1.0	
		2	26.40	17.41				
		3	43.40	13.58				
SAM AVG CPM(RNG) 1: 15.13(6.17) 2: 27.07(2.71) 3: 43.07(1.55)								
2	21	1	67280.00	1.99	0.15	15.95	-1.0	
		2	68226.66	1.98				
		3	68233.33	1.98				
2	21	1	65750.00	1.74	0.20	16.27	1.0	
		2	66595.00	1.73				
		3	66610.00	1.73				
2	21	1	67033.33	1.99	0.15	16.54	-1.0	
		2	68073.33	1.98				
		3	68113.33	1.98				
SAM AVG CPM(RNG) 1: 66687.77(1.41) 2: 67631.66(1.53) 3: 67652.22(1.54)								
3	22	1	17666.66	1.94	0.60	17.39	1.0	
		2	95316.66	0.84				
		3	95713.32	0.83				
3	22	1	17688.33	1.94	0.60	18.13	2.0	
		2	95281.66	0.84				
		3	95673.32	0.83				
3	22	1	17971.66	1.93	0.60	18.86	3.0	
		2	95886.66	0.83				
		3	96271.66	0.83				
SAM AVG CPM(RNG) 1: 17775.55(1.10) 2: 95494.99(0.41) 3: 95886.10(0.40)								
4	23	1	137.40	7.63	5.00	24.14	80.0	
		2	150.80	7.28				
		3	163.40	7.00				
4	23	1	116.80	8.28	5.00	29.30	79.0	
		2	131.40	7.80				
		3	143.40	7.47				
4	23	1	97.20	9.07	5.00	34.44	82.0	
		2	111.60	8.47				
		3	123.80	8.04				
SAM AVG CPM(RNG) 1: 117.13(17.30) 2: 131.27(14.98) 3: 143.53(13.84)								
5	24	1	47.00	13.05	5.00	39.73	79.0	

omnitech

#3 std

0.141 std

see account #1

Door Knob

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
		2	59.60	11.59				
		3	74.40	10.37				
5	24	1	53.20	12.26	5.00	44.94	77.0	
		2	68.80	10.78				
		3	82.80	9.83				
5	24	1	58.60	11.68	5.00	50.10	79.0	
		2	75.40	10.30				
		3	87.40	9.57				
SAM AVG CPM(RNG) 1:			52.93(11.21)		2:	67.93(12.27)	3:	81.53(8.75)
6	25	1	35.60	14.99	5.00	55.37	82.0	
		2	47.80	12.94				
		3	59.80	11.57				
6	25	1	34.20	15.29	5.00	60.52	83.0	
		2	43.80	13.51				
		3	54.20	12.15				
6	25	1	27.60	17.03	5.00	65.68	82.0	
		2	39.80	14.18				
		3	54.40	12.13				
SAM AVG CPM(RNG) 1:			32.47(14.99)		2:	43.80(9.13)	3:	56.13(6.53)
7	26	1	61.20	11.43	5.00	70.95	82.0	
		2	71.60	10.57				
		3	83.20	9.81				
7	26	1	56.20	11.93	5.00	76.10	81.0	
		2	66.00	11.01				
		3	79.80	10.01				
7	26	1	57.60	11.79	5.00	81.25	82.0	
		2	69.60	10.72				
		3	77.60	10.15				
SAM AVG CPM(RNG) 1:			58.33(4.91)		2:	69.07(4.44)	3:	80.20(3.74)
8	27	1	40.60	14.04	5.00	86.53	85.0	
		2	53.40	12.24				
		3	66.00	11.01				
8	27	1	41.40	13.90	5.00	91.69	85.0	
		2	53.60	12.22				
		3	70.60	10.64				
8	27	1	46.00	13.19	5.00	96.84	84.0	
		2	57.80	11.76				
		3	71.20	10.60				
SAM AVG CPM(RNG) 1:			42.67(7.81)		2:	54.93(5.22)	3:	69.27(4.72)
9	28	1	27.20	17.15	5.00	102.11	78.0	
		2	39.20	14.29				
		3	52.20	12.38				
9	28	1	27.00	17.21	5.00	107.26	78.0	
		2	38.60	14.40				
		3	52.20	12.38				
9	28	1	26.40	17.41	5.00	112.41	76.0	
		2	37.40	14.63				
		3	47.60	12.96				
SAM AVG CPM(RNG) 1:			26.87(1.74)		2:	38.40(2.80)	3:	

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
10	29	1	29.40	16.50	5.00	117.72	82.0	
		2	40.00	14.14				
		3	51.80	12.43				
10	29	1	26.20	17.47	5.00	122.87	85.0	
		2	38.20	14.47				
		3	53.80	12.19				
10	29	1	34.20	15.29	5.00	128.03	88.0	
		2	48.40	12.86				
		3	64.60	11.13				

SAM AVG CPM(RNG) 1: 29.93(14.25) 2: 42.20(14.69) 3: 56.73(13.87)

(7)

Point 1 was taken from map. Not

Recount
#4 above
Sample 1 from
map.
Door knob

USER: 2 Id: PRESET TIME: 5.00 SAT 19 SEP 1981 17:42
SAMPLE REPEAT: 3 CYCLE REPEAT: 1 SCR:N RS232:N
H#: 1 AQC:N QCF:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:01.00000
HALF LIFE(DAYS):N

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
1	20	1	74.20	10.38	5.00	5.21	80.0	
		2	86.60	9.61				
		3	100.00	8.94				
1	20	1	74.20	10.38	5.00	10.35	81.0	
		2	87.60	9.56				
		3	98.20	9.03				
1	20	1	68.20	10.83	5.00	15.49	79.0	
		2	80.60	9.96				
		3	93.20	9.26				

SAM AVG CPM(RNG) 1: 72.20(5.54) 2: 84.93(5.10) 3: 97.13(4.05)

Bayer

Internal Memorandum

TOXICOLOGY - HEALTHCARE

DATE: April 26, 1995 ID: 95TOX047.DSG

SUBJECT: Quarterly isotope inventory report

FROM: D. Grosso

TO: K. D. Yoder CC: R. E. Hartnagel

No radioisotopes have been used by the department since the 2nd quarter of 1993. No future use of radioisotopes is planned. Our isotope inventory was reduced to zero as of the end of 1993. The laboratory space previously used for this purpose, room 2106A of building 9, has been converted to other purposes. The area was subjected to decontamination procedures to remove any possible contamination as reflected on the wipe-test report of October 12, 1993.

This license should be discontinued.

jrc
Encl.

AREA SURVEY REPORTING STATUS

Room No. 1202 Building No. 9, Wing 1

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Oct. 12, 1993 — Date

Kenneth D. Foster — Signature

- - - -

Toxicology Dept.

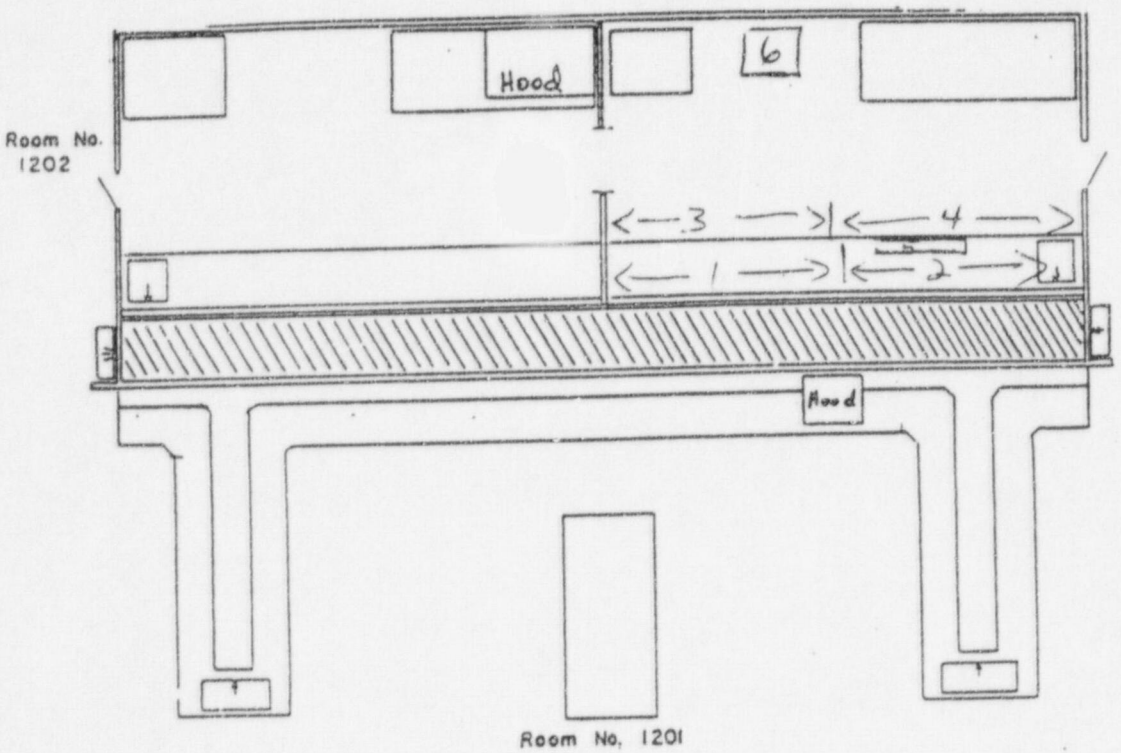
AREA SURVEY REPORT
(Wipe Test)

Procedure:

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 25 mm.-50 mm. (1-2 inch) diameter Whatman No. 1 filter paper disk moistened with 0.9% sodium chloride is wiped across a representative area (approximately 100 cm^2). The paper disk is placed into bottom of disposable plastic counting tube and placed in counting well of Gammacord II and counted at optimum counting position. Each sample is counted three times for a minimum of five minutes and recorded below. A wipe test is defined as negative unless the observed count rate (in CPM) is more than three times background count rate. Any area found to be contaminated is decontaminated by an approved procedure. Resurvey the area after cleaning and record in table below.

Room Layout:

Room Number: 1202



Area	Isotope	Before	After*	Area	Isotope	Before	After*
Background	^{125}I						
1 Bench		C		7			
2 Bench		C		8			
3 Floor		C		9			
4 Floor		C		10			
5 WATER BATH		C		11			
6 Gamma COUNTER		C		12			

*after decontamination with _____

DATE: 10-12-93 SIGNED: David L Gross

unt Time(minutes): 5.00
Say Type: CPM
ckground Subtract : IPA Bkg
Outlier: 5.0 FLAG
Dilution Operator :
Screening: OFF

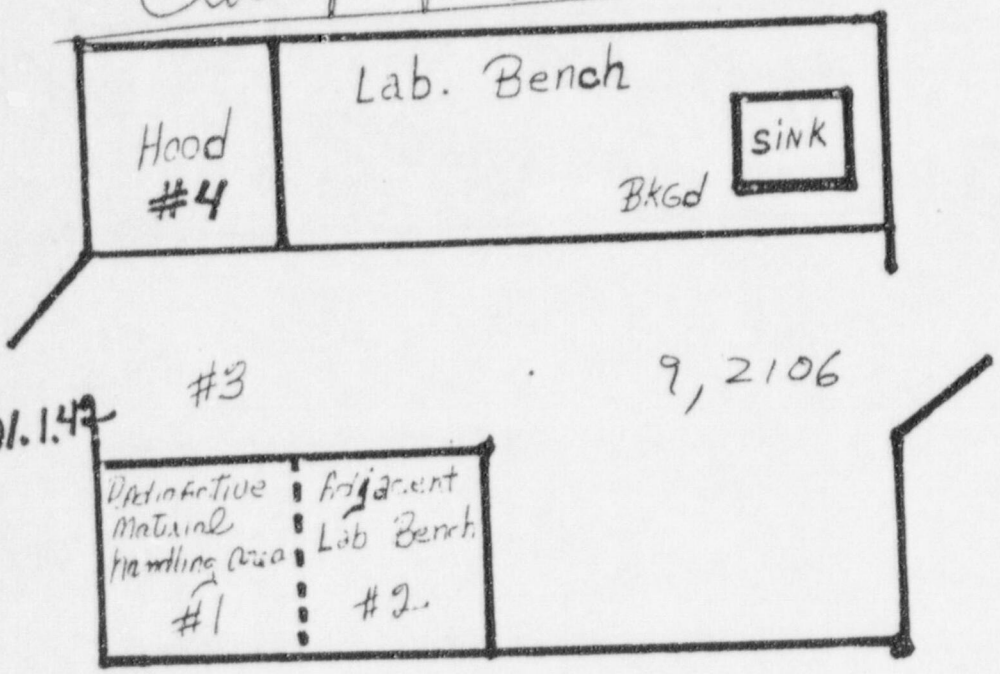
Window A

Nuclide: I-125 15 - 75 keV
Bkg: 26.8
Sigma: 0.00
LCR: 0
Half Life(hours): 0.00
Multiplier: 1.0000

S#	A:CPM	A:%ERR	B:CPM	B:%ERR	A:ERROR	CCPM RESULT	PAT/ID
1	0.0		0.0			0.000	BKG
2	1.4	38.1	0.0			1.380	1
3	1.2	41.2	0.0			1.180	2
4	0.0		0.0			0.000	3
5	2.4	24.3	0.0			2.380	4
6	10.4	13.9	0.0			10.380	5

RADIOISOTOPE AREA SURVEY REPORT

Area monitored: Closing of Radioactive Area



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml. of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB spectrometer for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background

Results in CPM

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
Background	27	39		
1	28	42		
2				
3	31	42		
4				
5				
6				
7				

AREA	Before		After[a]	
	^{3}H	^{14}C	^{3}H	^{14}C
8				
9				
10				
11				
12				
13				
14				

a. after decontamination with _____

DATE: February 26, 1975 SIGNED: Ronald Sommer

Area Closed

AREA SURVEY REPORTING STATUS

Room No. 2107 Building No. 91

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Aug. 15, 1980
Date

Kenyon D. Fody
Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

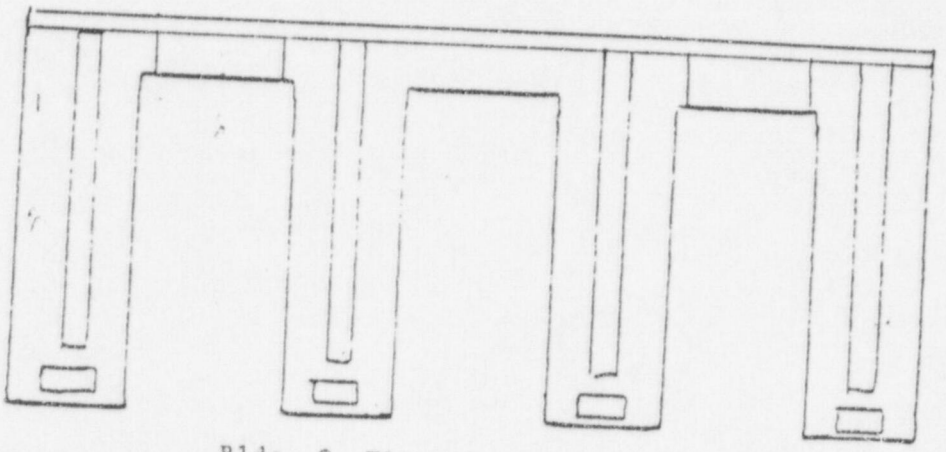
_____
Date

_____
Radiological Control Officer

Radioisotope Area Survey Report Date: 6/15/86

Area Monitored: Area 2107 Signed: B J Carrico

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg. 9, Floor 1, Wing 2

Will be moving to 2207

Counts Per 1 Minutes

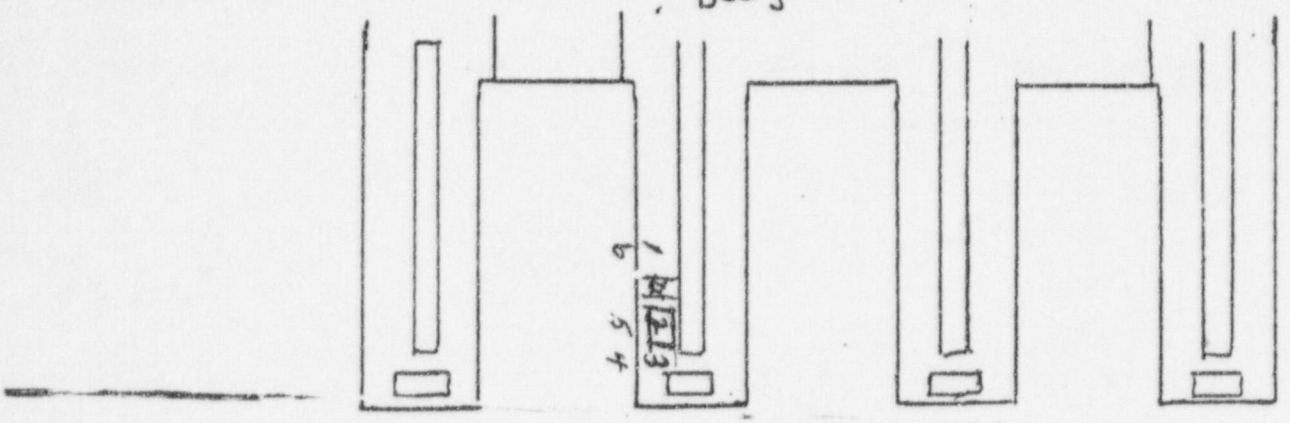
Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1			52.4	53.6	~~86~~	~~5.0~~	
2			49.0	53.6			
3			54.0	53.6			
4			60.2	53.6			
5			228.6	53.6	86	5.0	
6			53.4	53.6			
7	BKGD		53.6				
8							
9							
10							

Radioisotope Area Survey Report — Date May 4, 1976

Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (25 CPM).

25×3=75

Bldg #9 Floor 1 Wing 2



LABORATORY AREA 2107

This area will not be used for handling radioisotopes for at least several more

Counts Per ____ Minutes

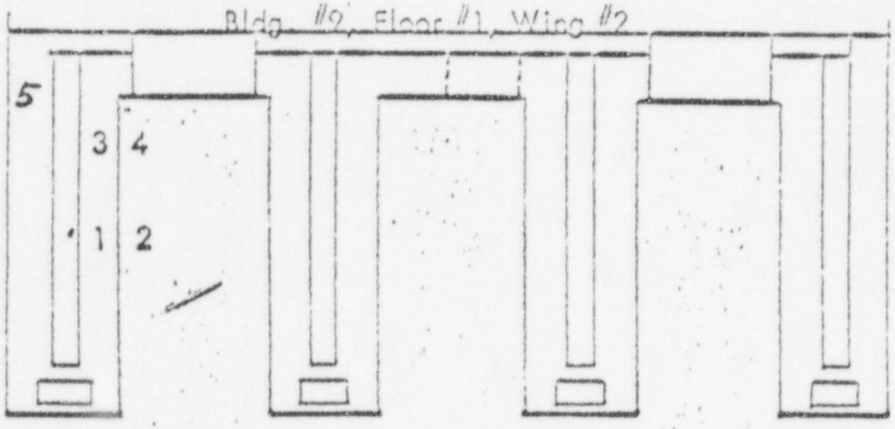
Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	Yes	^{3}H	24	29			
2	"	"	23	29			"
3	"	"	43	29			"
4	"	"	22	29			"
5	"	"	23	29			"
6	"	"	23	29			"
7	"	"	29	29			"
8	"	"	19	29			"
9	"	"	26	29			"
10	"	"	29	29			"

AEC - 5

Radioisotope Area Survey Report

Date 4-16-74

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Laboratory Area #C 2110

Counts Per 4 Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	✓	125-I	350	340			WBH
2	✓	"	340	340			
3	✓	"	348				
4	✓	"	330				
5	✓	"	350				
7							
8							
9							

AREA SURVEY REPORTING STATUS

Room No. 2202B Building No. 9, Wing 2, Floor 2

☐ Temporarily closed for isotope use.

☐ Permanently closed for isotope use.

April 13, 1982
Date

Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from _____ to

_____.

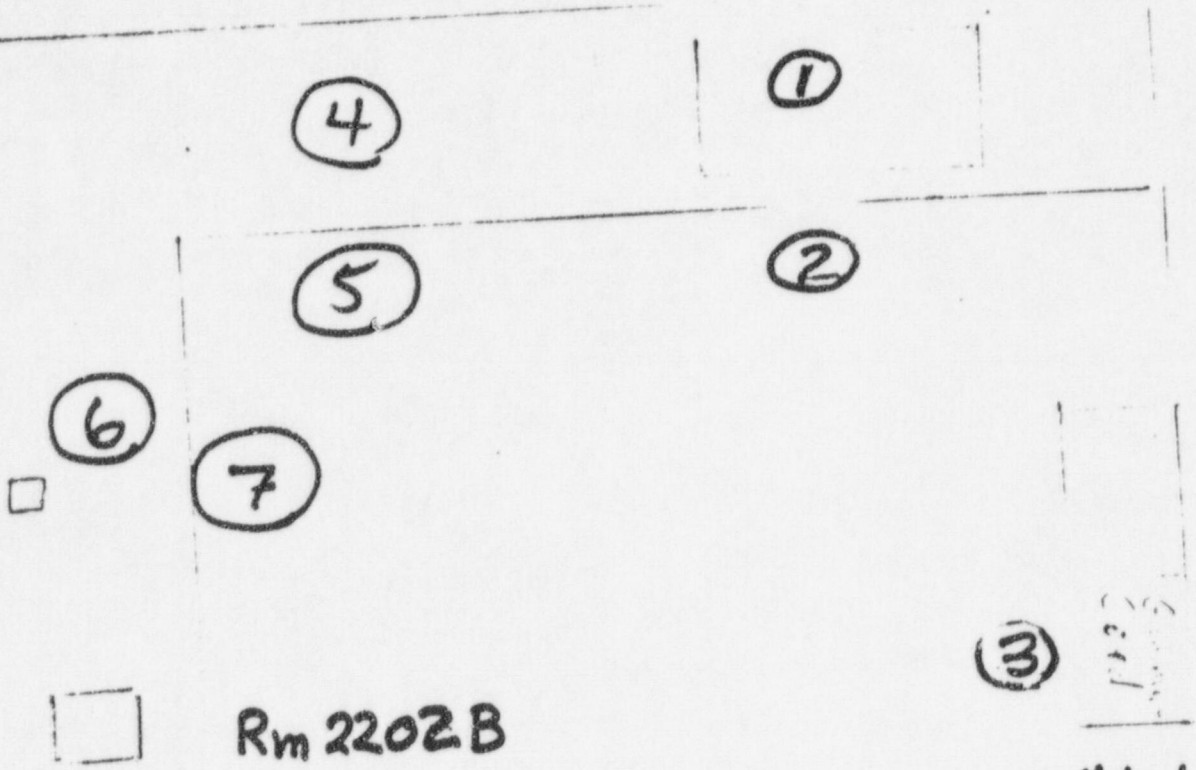
_____
Date

_____
Radiological Control Officer

Radioisotope Area Survey Report

1/13/82

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-Cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. An area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



cpm listed

Counts Per 5 Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	yes	125 I	60	33			C. Hines
2			34	33			
3			27	33			
4			43	33			
5			30	33			
6			26	33			
7			25	33			

Form No. 4810

...ter paper disc moistened w...
...ntative area. The disc is ...
...ed and placed into the bott...
...is counted three times in ...
...a Spectrometer or the Gamma ...
...orded in the table below. ...
...ved count rate is more than ...
...d to be contaminated is dec...
...edure is described in detai...
...area is wipe tested again ...

22	CPM	
33.4	%CV	
26	CPM	
33.4	%CV	(6)
28	CPM	
33.4	%CV	

22	CPM	
33.4	%CV	
37	CPM	
7.7	%CV	(5)
30	CPM	
6.4	%CV	

(4)

(5)

42	CPM	
7.2	%CV	
41	CPM	(4)
7.2	%CV	
45	CPM	
5.7	%CV	

(7)

29	CPM	
8.4	%CV	
29	CPM	(3)
8.4	%CV	
24	CPM	
9.1	%CV	

Rm 2202B

48	CPM	
50.0	%CV	
33	CPM	(2)
8.0	%CV	
33	CPM	
8.4	%CV	
35	CPM	
7.7	%CV	

t Co

Isotope	Origin... Swab	B...
125 I	60	
	34	
	27	
	43	
	30	
	26	
	25	

59	CPM	
5.9	%CV	
60	CPM	(1)
5.9	%CV	
51	CPM	
5.9	%CV	
42	CPM	
5.9	%CV	

32	CPM	
8.4	%CV	
35	CPM	BG
7.7	%CV	
34	CPM	
7.7	%CV	
30	CPM	
8.4	%CV	

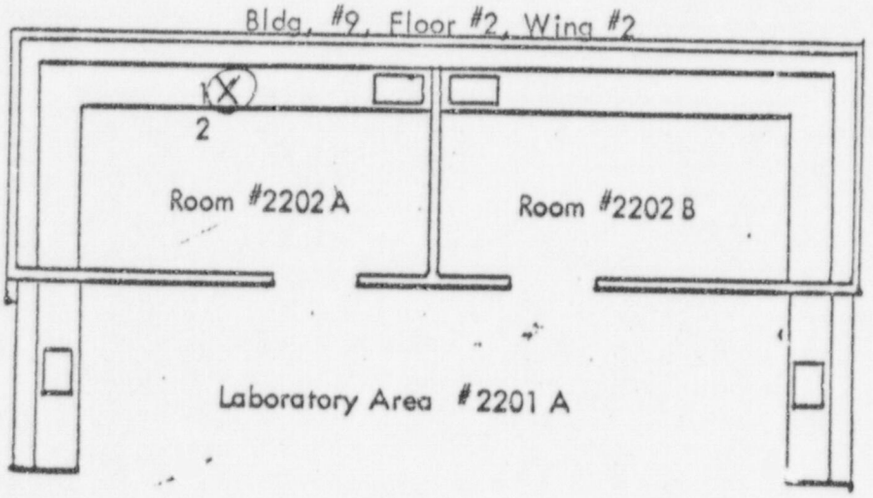
ARL - K-γ

Radioisotope Area Survey Report

Date 11/14/69

Gary L Stuckey

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



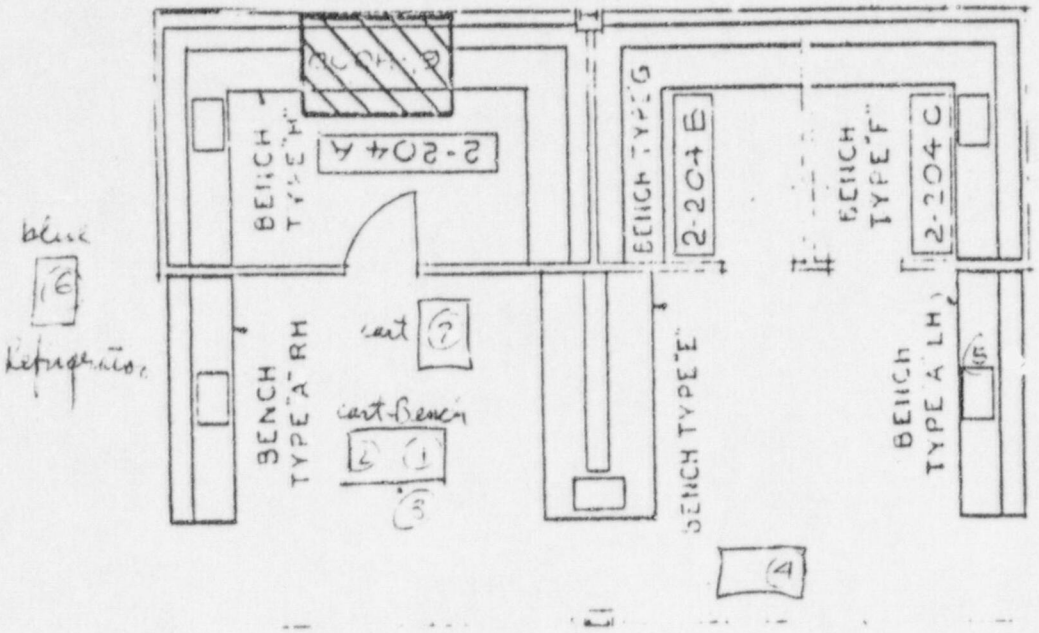
Counts Per 1 ½ Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	1st swabbing	Ca^{45} Na^{22}	29	34	—	—	GL Stuckey
2							
3							
4							
5							
7							
8							
9							
10							

TR4698 - Attaching BOVINE SYRUM ALBUMIN TO ^{3}H-PROSTACCANDIN

Radioisotope Area Survey Report Date: 5/21/81

Area Monitored: Bdg. 9-W2-Fl. 2 Signed: [signature]



Room No. 2203

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with 50% ethanol and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.

Area	DPM Before	DPM After[a]	Area	DPM Before	DPM After[a]
BK	49.5		5	9880.8	
1	979.6	108.5	6	219.8	88.1
2	2064.5	103.7	7	173	
3	123.2		8		
4	110.2				

a. after decontamination with Soap/water/ethanol/acetone/Stoddard

AREA SURVEY REPORTING STATUS

Room No. 2204 Building No. 9, Wing 2, Floor 2

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

March 19, 1985 Signature
Date

This area was closed to isotope use on March 15, 1985
and will not require wipe testing or area surveying until reopened.

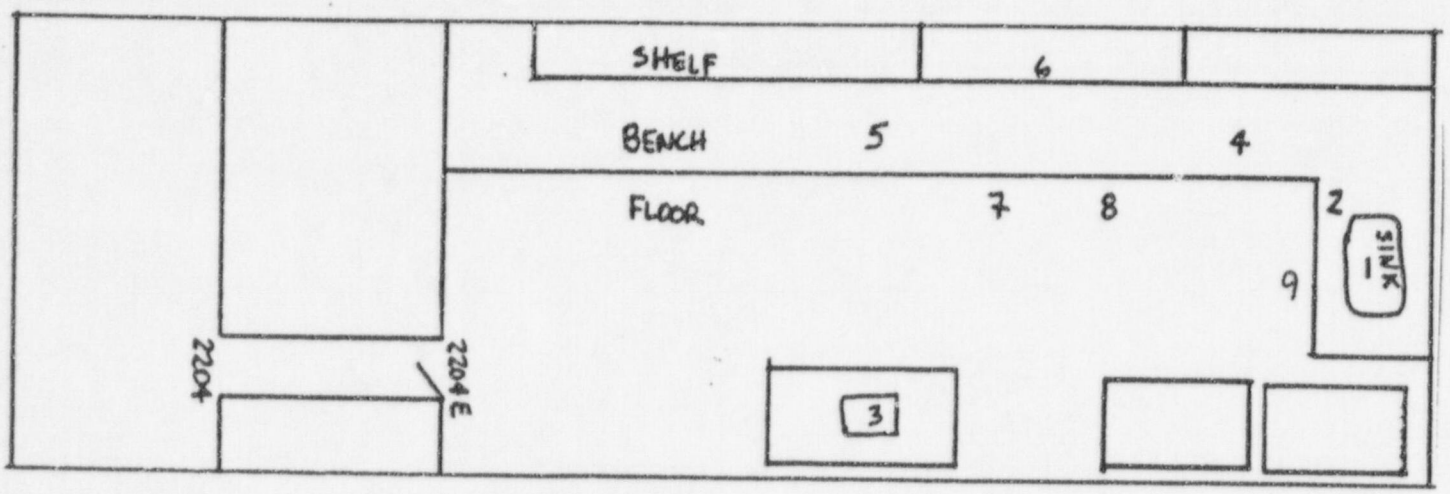
This area was not in use from _____ to
_____.

_____ _____
Date Radiological Control Officer

Radioisotope Area Survey Report Date: 3-15-57

Area Monitored: Area 2204 Signed: R. Hawkins

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped across each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg 9, Floor 2, Wing 2, Rm. 2204E

Counts Per _____ Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	This room has not been used since						
2	last swabbing. It is still being						
3	used for cold storage with						
4	limited traffic.						
5							
6							
7							
8							
9							
10							

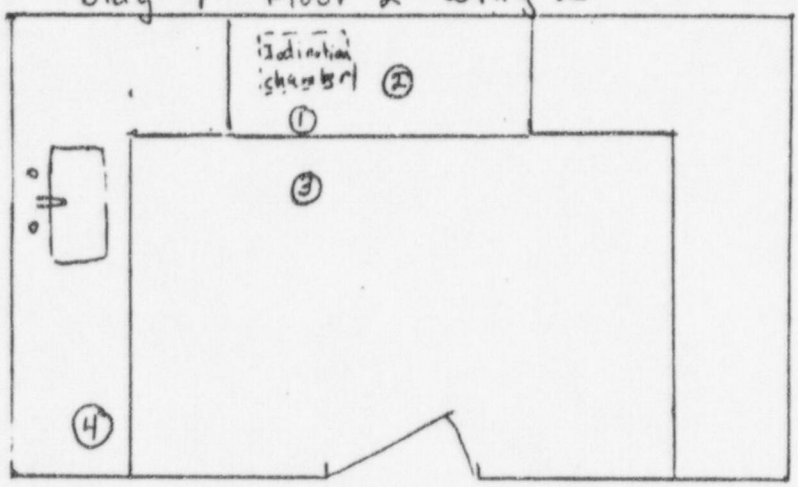
A&L - Clinical Biochemistry

Radioisotope Area Survey Report

Date 12-17-73

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

Bldg 9 Floor 2 Wing 2



LABORATORY ROOM # 2204 A

Counts Per 50 Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swaly	After Decontamination BKGD	Signa:
1	✓	^{125}I	314	172			
2	✓		312				
3	✓		256				
4	✓		246				
5							
6							
7							
8							

ARL - Air Monitor Nuclide ^{125}I Date 12-17-73

Description of Areas:

1. Outside of radiolabel hood in front of hood (in Room 2204A)
2. Inside radiolabel hood at exit of cannister blower (in Room 2204A)
3. Lab bench in front of hood 89 (Room 2110C)
4. Cold room, upstairs (2204D)
5. Other (describe):- Outlet of radiolabel hood

When air levels are greater than maximum limit, monitoring will continue until levels are found to be less than the maximum limit.

1.0 µc I^{125} = 1,651,980 cpm on the Autogamma. The maximum limit is 4.8×10^{-5} µc/600 L of air. ∴ 1,651,980 cpm x 4.8×10^{-5} µc = 79.3 cpm/600 L on the Packard is the upper limit if all the airborne iodine is trapped on the filter.

	Time	Date of Last Iodination	CPM Background	Gross Filter CPM	Net cpm/600L Air	(X 10^{-5}) µCI/600L Air	Found Conc'n ÷ Max. Allowable Conc'n.	Signa
1	11:00 11:30	11-8-73	172	635	463		5.8	
2	11:00 11:30	"		7050	6878		86.7	
1	2:00 2:30	"		216	44		0.6	
2	2:00 2:30	"		214	42		0.5	
		Flow rate cannister blower					95 cf/min	
		"	"	radiolabel hood			1150 cf/min	
5	11:00 11:30	95/1150	x 86.7				7.2	
5	2:00 2:30	95/1150	x 0.5				0.04	

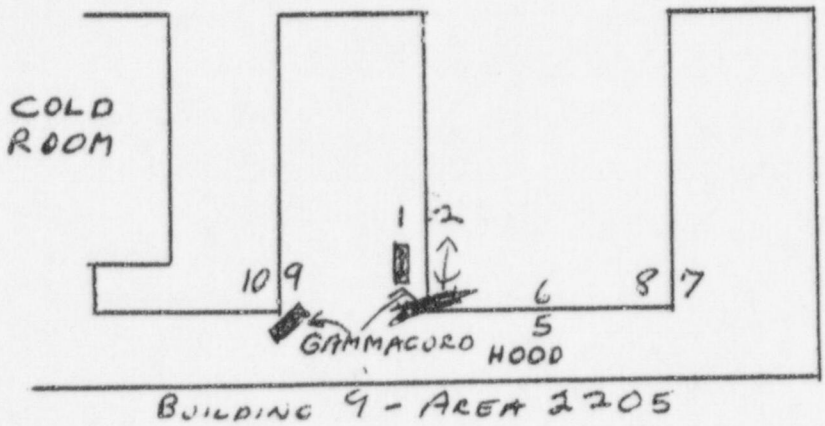
ARL - D

Radioisotope Area Survey Report

Date 4-29-74

ch numbered area (see map below) and each additional area which may be appropriate t a given time is wipe tested weekly. A 9 cm diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.

OFFICES



BUILDING 9 - AREA 2205

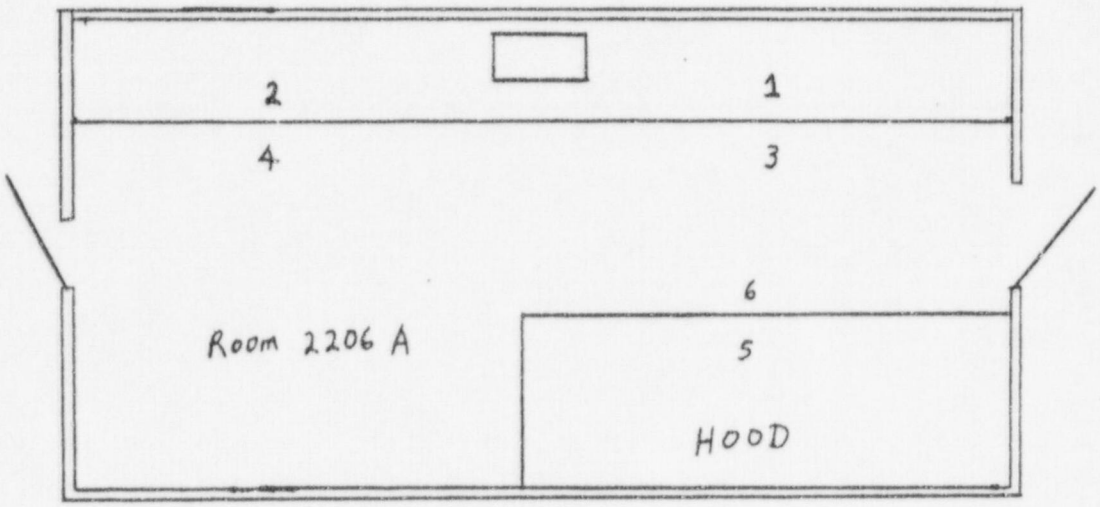
Counts Per ____ Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	~~[illegible]~~ YES	^{125}I	420	410			C. E. Schwartz
2	"	"	400	"			" "
~~3~~							
~~4~~							
5	"	"	410	"			" "
6	"	"	400	"			" "
7	"	"	430	"			" "
8	"	"	410	"			" "
9							
10							

Radioisotope Area Survey Report

Date 3/26/73

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Counts Per 1 ½ Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	yes	I-125	30	370			K.B. Fugal
2			20	370			
3			10	370			
4			20	370			
5			30	370			
6			20	370			
7							
8							
9							
10							

AREA SURVEY REPORTING STATUS

Room No. 2206 A Building No. 9

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Oct. 27, 1994 [signature]
Date Signature

This area was closed to isotope use on _____

and will not require wipe testing or area surveying until reopened.

This area was not in use from March 5, 1992 to Oct. 24, 1994.

Oct. 27, 1994 [signature]
Date Radiological Control Officer

RECEIVED BY

MAR - 6 1992

CORP. SAFETY & HEALTH

3-5-92

Key for Wipe Test Samples
(See attached graphic for precise locations)

1. 2206A door handle
2. Lab bench top
3. Sink handles
4. Scintillation counter lid
5. Terminal
6. Refrigerator door
7. Floor around main work table
8. Drawer fronts on lab bench
9. Handles of Tritium waste bins
10. Handles of Iodine 125 waste bins
11. Background

Other Samples

none

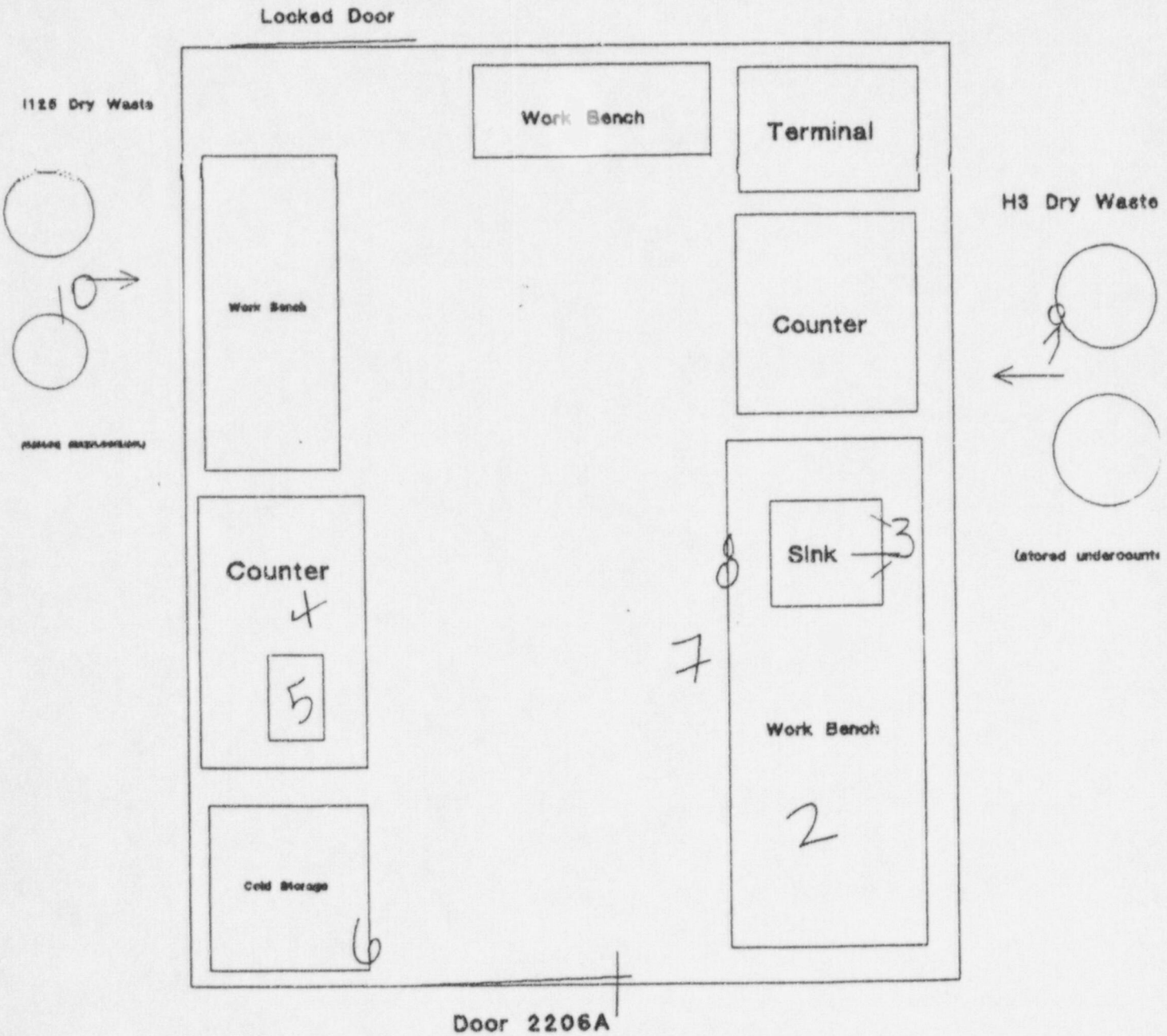
Samples were collected on ethanol saturated filter paper squares, then placed in scintillation vials with 10 ml of fluor. for counting. Counting was on all three channels for 5 minutes. Any samples 2X over background are too high and surfaces indicated are decontaminated and recounted until below 2X background.

Comments:

date: 3/5/92

Send original with counts to K. Yoder. Retain copy for file.

Wipe Test Graphic for Room 2206A



AREA SURVEY REPORTING STATUS

Room No. 2206 B Building No. 9-2

☐ Temporarily closed for isotope use.

☒ Permanently closed for isotope use.

Sept. 28, 1989
Date

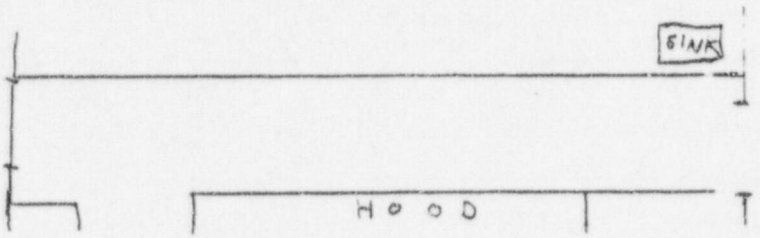
Dan P. Wilson
Signature

- - - -

Radioisotope Area Survey Report Date: 12-8-89

Area Monitored: Area 2206B Signed:

Each numbered area and others which may be appropriate at a given time, will be wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped across each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



ROOM 2206B

Counts Per ____ Minutes ✓

Area	Used Since Last Swabbing?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	12/12/89.	H^3	52	60	No need.		[illegible]
2							
3							
4							
5			46	60.	No need.		
6	RECEIVED BY						
	DEC 13 1989						
8							
9	CORP. SAFETY & HEALTH						
10							

RECEIVED BY

DEC 1 0 1989

CORP. SAFETY & HEALTH

USER: 2 ID:WIPE TEST PRESET TIME: 5.00 FRI 08 DEC 1989 15:13
SAMPLE REPEAT: 1 CYCLE REPEAT: 3 SCR:N RS232:N
H#: 1 AQC:N QCF:N
CHANNEL 1-LL: 0 UL: 400 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 2-LL: 0 UL: 670 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
CHANNEL 3-LL: 0 UL:1000 2SIGMA: 2.00 BKG SUB: 0.00 BKG 2SIG: 0.00 LSR: 0
DATA CALC: CPM. UNKNOWN REPLICATES: 1 NORM FACTOR:01.00000
HALF LIFE(DAYS):N

SAM	POS	CH	CPM	2SIG%	TIME	EL TIME	AVG H#	ERR
1	54	1	60.40	11.51	5.00	5.26	68.0	
		2	72.40	10.51				
		3	83.00	9.82				
2	55	1	52.00	12.40	5.00	10.57	66.0	
		2	63.40	11.23				
		3	76.80	10.21				
3	56	1	46.80	13.07	5.00	15.87	69.0	
		2	59.80	11.57				
		3	73.40	10.44				

Bench where vial was.

Floor where vials were lying

CYCLE: 2

1	54	1	51.00	12.52	5.00	21.19	68.0	
		2	65.00	11.09				
		3	77.40	10.17				

2	55	1	47.00	13.05	5.00	26.49	66.0
		2	57.80	11.76			
		3	71.60	10.57			
3	56	1	45.80	13.22	5.00	31.78	71.0
		2	55.80	11.97			
		3	68.60	10.80			

CYCLE: 5

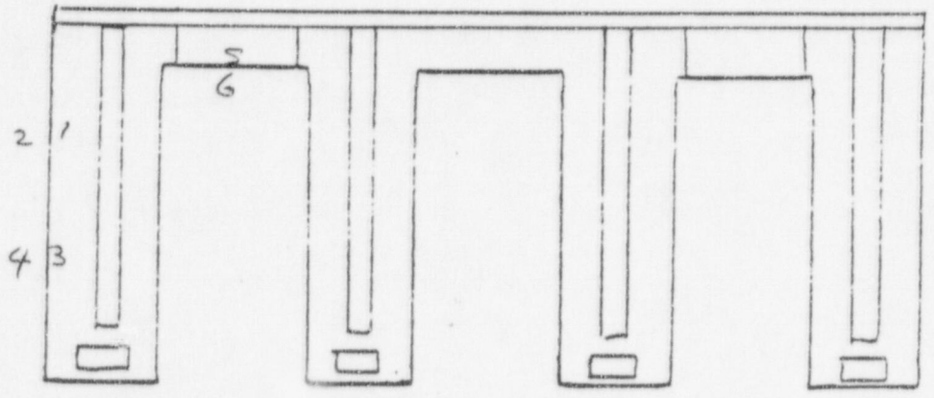
1	54	1	47.00	13.05	5.00	37.10	69.0
		2	57.20	11.83			
		3	69.80	10.71			
2	55	1	47.80	12.94	5.00	42.38	66.0
		2	57.60	11.79			
		3	70.40	10.66			
3	56	1	45.00	13.33	5.00	47.67	72.0
		2	58.60	11.68			
		3	68.40	10.81			

RELEASED BY

Radioisotope Area Survey Report Date: 3-17-89

Area Monitored: Area 2207 Signed:

Each numbered area and others which may be appropriate at a given time, will e wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg. 9, Floor 2, Wing 2

(Final swabb for this Radioactive 2207 area)

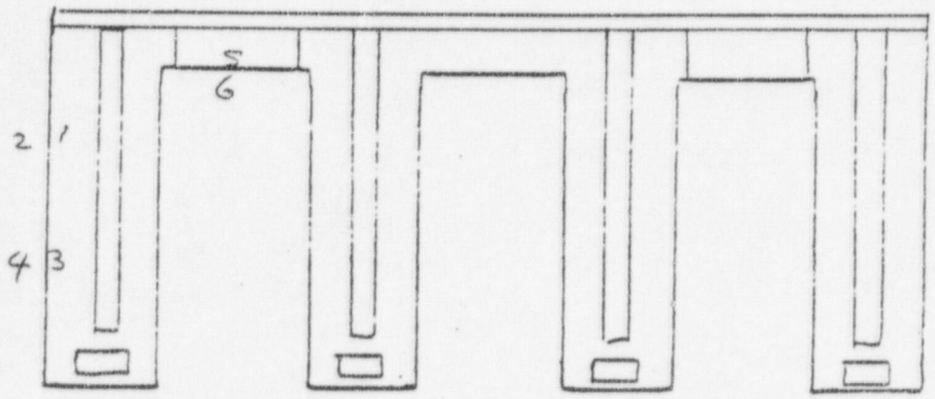
Counts Per 1 Minutes

Area	Used Since Last Swabbing?	Isotope	Original Swab ch1	Original Swab ch2	Original Swab ch3	Original BKGD	After Decontamination Swab ch1	After Decontamination Swab ch2	After Decontamination Swab ch3	After Decontamination BKGD	Signature
1	Yes	125 I	23	34	44		24	36	48		J. Yoder
2	Yes	"	34	44	55						J. Yoder
3	Yes	"	24	36	46						J. Yoder
4	Yes	"	26	38	50						J. Yoder
5	Yes	"	37	48	59						J. Yoder
6	Yes	"	25	36	47						J. Yoder
8											
9											
10											

Radioisotope Area Survey Report Date: 3-17-89

Area Monitored: Area 2207 Signed:

Each numbered area and others which may be appropriate at a given time, will e wipe tested as specified. A 5 cm. diameter Whatman No. 1 filter paper disc, or one cut to fit a scintillation vial, is moistened with water and wiped accross each specified area covering a sampling of 100 cm^2. The paper is placed in a scintillation vial containing the appropriate liquid scintillation fluid. The samples are counted three times in a liquid scintillation counter for 5 minutes or to 10,000 counts in a configuration such as to detect phosphorus-32. An appropriate blank from a noncontaminated area will be counted and compared to sample areas. A wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate. Contaminated areas are to be scrubbed down with soap and water, commercial decontamination preparations, 50% ethanol, or other solvents appropriate to the contaminant. The decontaminated areas are recounted and recorded on this report. Retain a copy of this report and send original to the Radiation Control Office.



Bldg. 9, Floor 2, Wing 2

(Final swabb for this Radioactive 2207 area)

Counts Per 1 Minutes

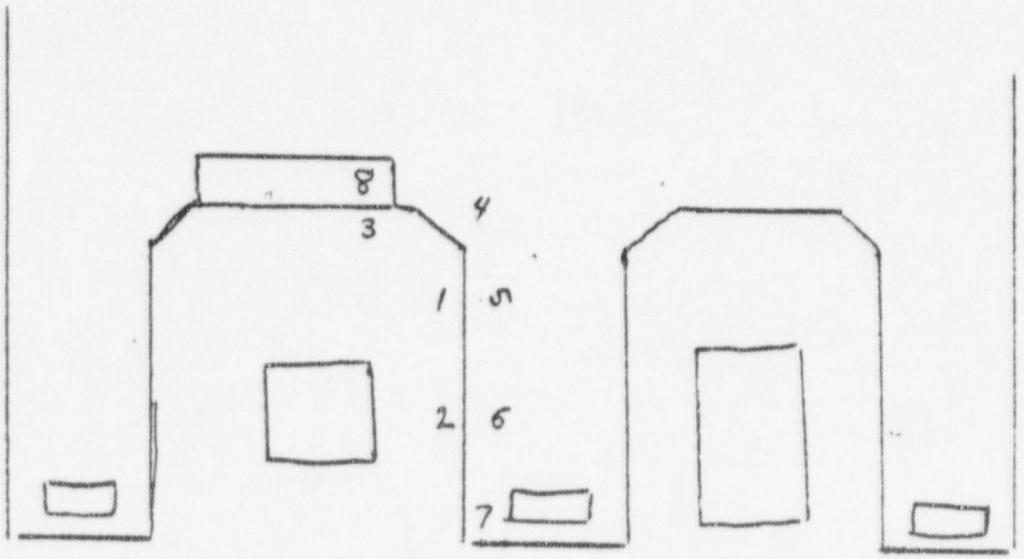
Area	Used Since Last Swabbing?	Isotope	Original Swab ch1	Original Swab ch2	Original BKGD ch3	After Decontamination Swab ch1	After Decontamination Swab ch2	After Decontamination BKGD ch3	Signature
1	yes	125 I	23	34	44	24	36	48	J Yoder
2	yes	"	34	44	55				J Yoder
3	yes	"	24	36	46				J Yoder
4	yes	"	26	38	50				J Yoder
5	yes	"	37	48	59				J Yoder
6	yes	"	25	36	47				J Yoder
7									
8									
9									
10									

AA - 0

Radioisotope Area Survey Report

Date May 2, 1974

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-card for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Lab area 2207

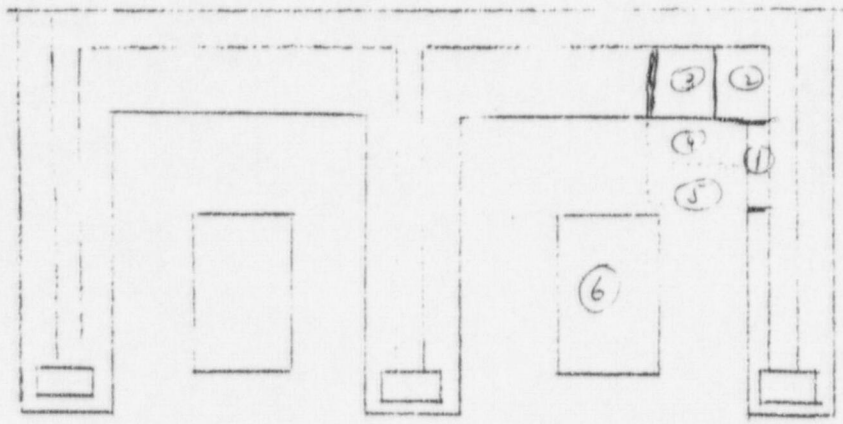
Counts Per 1 Minutes

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1			~~380~~	370			
2				390			John Yoder
3				320			
4	These areas were not used since the last swabbing. Since we are moving, this is the last swab we will do in this area John Yoder						
7	Radio waste area			340			John Yoder
5	" " " "			350			John Yoder
6				330			
				350			

Radioisotope Area Survey Report

Date 2/18/77

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted ~~three times~~ in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



Bldg 9, Wing 2, Second floor, NE Bay 2207

last use of this area for ^{125}I by Dr. H. Ke and Bob Blan

3 Counts Per 4 Minutes

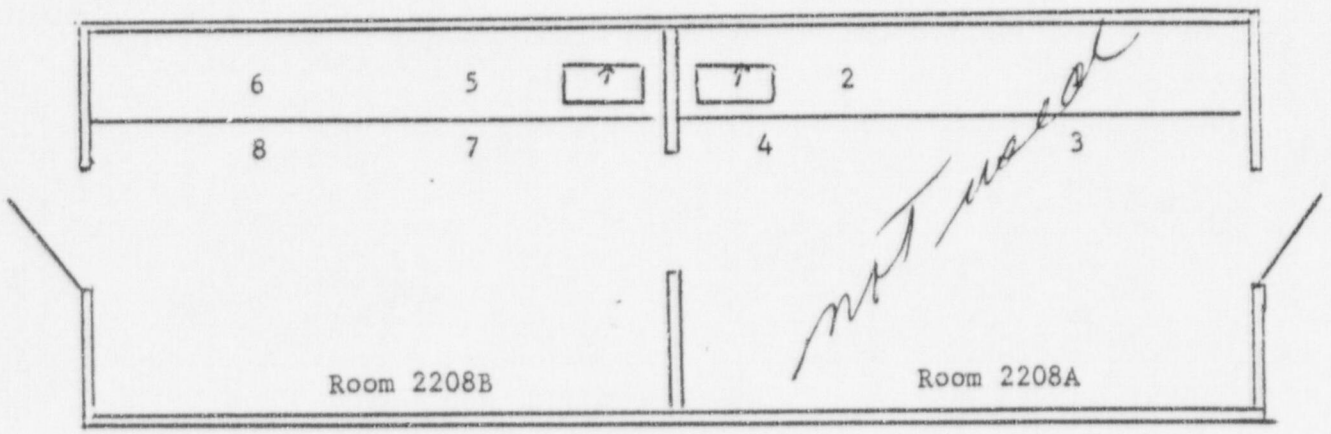
Area	Used Since Last Swabbing?	Isotope	Avg. CPM Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1	Yes	^{125}I	650	350			
2	Yes		625				
3	Yes		800				
4	Yes		480				
5	Yes		410				
6	No	^{125}I	370				
7							
8							
9							
10							

To Bill Carter

Radioisotope Area Survey Report

Date March 29 '74

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gammacord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, and that procedure is described in detail on the back of this sheet. The decontaminated area is wipe tested again and the count recorded in the table below.



4 min replicate counts made

Counts Per one Minutes

M. C. Setter

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination Swab	After Decontamination BKGD	Signature
1							
2	~~not used~~						
3	~~for I~~	-					
4							
5		^{125}I	270	280			
			258	"			
			275	"			
8			252	"			
9							
10							

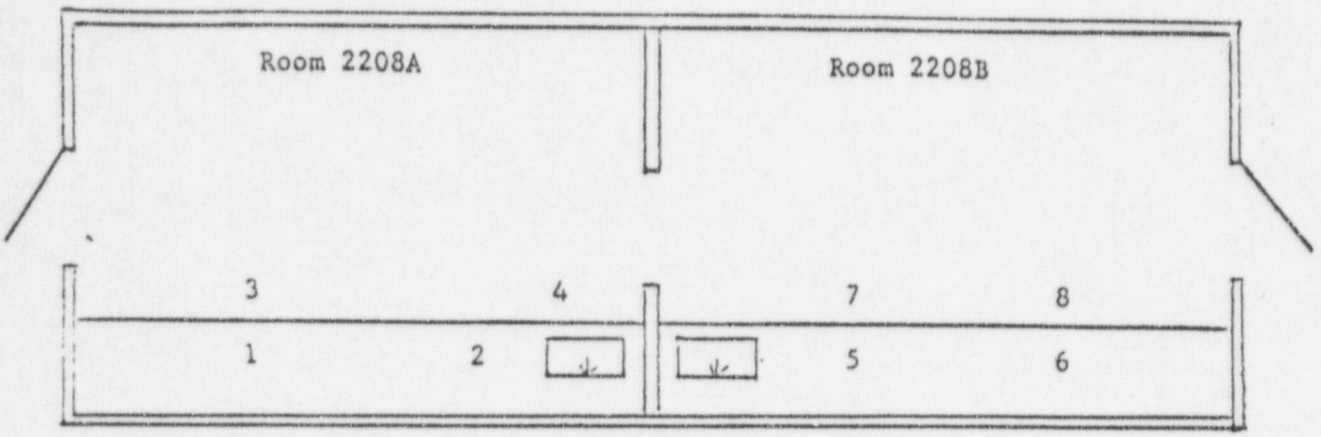
^{3}H

Radioisotope Area Survey Report

Date: March 26 '74

Area Monitored:

Signed: M. C. Fetter



Each numbered area, and those others which may be appropriate at a given time, will be wipe tested weekly. A 5 cm. diameter Whatman No. 1 filter paper disc, moistened with 50% ethanol in distilled water, is wiped across a representative area; after drying, a 5/8" x 1 1/2" strip is cut from the center of the disc and placed in a Wheaton vial containing 17 ml of a toluene:PPO:dimethyl POPOP scintillator. The resulting samples are counted three times in a Packard TRI-CARB model 3375 for 5 minutes or to 10,000 counts in a configuration such as to detect both ^{3}H and ^{14}C. An appropriate blank will also be counted, and the wipe test will be defined as negative unless the observed count rate is in excess of three times the background count rate (18.6 CPM).

Area	CPM Before	CPM After[a]	Area	CPM Before	CPM After[a]
1	16.8		8	16.9	
2	14.5		9		
3	20.3		10		
4	14.9		11		
5	15.1		12		
6	17.7		13		
7	16.9		14		

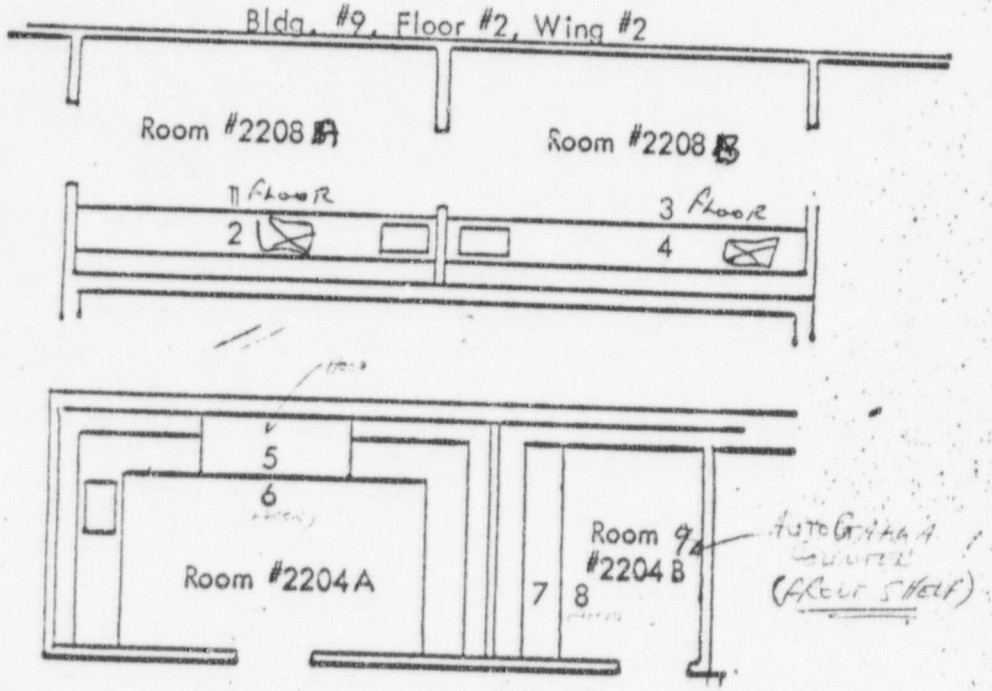
a. after decontamination with _____

ARL - F-H

Radioisotope Area Survey Report

Date JULY 7, 1970

Each numbered area (see map below) and each additional area which may be appropriate at a given time is wipe tested weekly. A 9 cm. diameter Whatman No. 1 filter paper disc moistened with 0.9% sodium chloride is wiped across a representative area. The disc is folded into a 3/4" sized strip which is then rolled and placed into the bottom of a Packard gamma counting tube. Each such tube is counted three times in a gamma counting instrument such as the Auto-Gamma Spectrometer or the Gamma-cord for a minimum of four minutes and the count recorded in the table below. A wipe test is defined as negative unless the observed count rate is more than three times the background count rate. Any area found to be contaminated is decontaminated by an approved procedure, ~~and that procedure is described in detail on the back of this sheet.~~ The decontaminated area is wipe tested again and the count recorded in the table below.



Counts Per 100 (TEN) Minutes

WINDOW SETTING 60-340 ALL CHANNELS

Area	Used Since Last Swabbing ?	Isotope	Original Swab	Original BKGD	After Decontamination* Swab	After Decontamination* BKGD	Signature
1	No	I-125	225	2,346	—	2280	RMB
2	No		2268		—		
3	No		2307		—		
4	No		2248		—		
5	YES		24,581		4064		
	YES		4933		2991		
	YES		44,745		2736		
8	YES		16,266		3864		
9	YES		5329		3014		
10							

* SEE OTHER SIDE

NRC FORM 577 (5-1998)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSE FEE REQUIREMENTS

ATTN: SHIRLEY CRUTCHFIELD (301) 415-6097
U.S. Nuclear Regulatory Commission
License Fee and Accounts Receivable Branch
P. O. Box 954574
St. Louis, MO 63195-4514

BAYER CORPORATION
ATTN: SHANNON GLEASON, PH.D., RSO
1884 MILES AVENUE
P.O. BOX 70
ELKHART, IN 46515-0070

TYPE OF ACTION

- ☐ NEW LICENSE
- ☐ RENEWAL OF LICENSE
- ☑ AMENDMENT TO LICENSE

REQUESTED DATE: 08/04/1998

LICENSE NUMBER: 13-02249-01

CONTROL NUMBER: 304299

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of 10 CFR Part 170. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3M	$	$	$ 640.00
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$

FEE(s) DUE	$ 640.00
PAYMENT RECEIVED	$ 0.00
AMOUNT DUE	$ 640.00

☑ Your request was received without the prescribed application fee.

☐ We received your check listed below. Payment of the additional fee noted above is required.
Check Number
$ 0.00 Amount

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

☐ Check Number _____ Enclosed is your check which accompanied your request. The fee is not required because:

☐ Check Number _____ We received your check listed in payment of the fee.

☐ Date of Request _____ Control Number _____ The Licensing staff has informed us that your request is to be considered as a continuation of the request listed.

☐ Date of Request _____ Control Number _____ Your request was combined, prior to review, with the request listed.

III. CHECK RETURNED

☐ Check Number _____ Enclosed is your check which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
- ☐ ACCOUNT CLOSED
- ☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License Number _____ Amendment Number _____ Date Issued _____ The listed license was issued without the required fee being collected. The fee required is noted in Section I of this form.

☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section 1 of this form. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section 1 of this form.

SIGNATURE – LICENSE FEE ANALYST	LFDCB	LFDCB	Distribution:		DATE
SHIRLEY CRUTCHFIELD	SC 8/20/98		OC/DAF/LFARB S/F (LF-3.2.7) OC/DAF/LFARB RF OC/DAF R/F	Pending Cy REGION 3	08/20/1998

CONVERSATION RECORD

TIME | DATE

8p.m. 8/21/98

○ VISIT ○ CONFERENCE X TELEPHONE

○ INCOMING
XOUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT | ORGANIZATION (OFFICE, DEPT.ETC.) | TELEPHONE NO.

Shannon Gleason, Ph.D., RADIATION SAFETY OFFICER Bayer Corp. 219-262-7574

SUBJECT

amendment request dated August 4, 1998, to decommission certain building.

SUMMARY

I spoke to Shannon concerning her request to decommission certain buildings. I explain what would be needed to authorized certain buildings for unrestricted use. Since 2 buildings and several labs are involved, I suggested and the licensee agreed that we should void this request and the licensee resubmit the results of the closeout survey in another amendment request. The licensee's 24 month notification stands and will be placed in the licensee's file. The licensee's request dated August 4, 1998, is hereby voided.

This action is certified by James Mullauey 8/24/98

ACTION REQUIRED

Response due in 20 days.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

August 13, 1998

Shannon Gleason, Ph.D.
Radiation Safety Officer
Bayer Corporation
P. O. Box 40
1884 Miles Avenue
Elkhart, IN 46515

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated August 4, 1998)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

_ New License X Amendment _ Renewal
_ Termination ___ Auth User (Amendment not required)
_ Other_____

Administrative deficiencies were identified during this initial review as outlined below. However, it should be noted that a technical review may identify additional omissions in the submitted information.

It appears that your request is routine (see 1-3 below as, applicable).

Incomplete information is as follows: In order for us to complete your request the required fee is necessary. Please contact our License Fee & Debt Collection Branch, located in our headquarters office, as referenced below.

1. New and amendment actions are normally completed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance. You are required to provide your taxpayer identification number to our Fees Department. Please fill out the enclosed NRC Form 531.

2. Renewal actions are normally completed within 180 days, however under timely filing (before expiration) you may continue to operate under your existing license.

3. Termination actions are normally completed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number. Please direct any questions concerning this request to the Materials Licensing Branch at (630) 829-9887.

Materials Support Branch

Mail Control No. 304297
License No. 13-02249-01