



Purdue Pharma L.P.

6 Cedarbrook Drive
Cranbury, New Jersey 08512
609-409-5123
Fax# 609-409-5799

June 30, 2005

Attention: Betsy Ullrich
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

MS 16
Q-5

2005 JUN 30 PM 2:05
RECEIVED
REG 111

RE: NRC License # 29-30698-01
Mail Control # 136944
Docket #: 03005882

Dear Ms. Ullrich:

On 12-21-04 Purdue requested Amendment No. 5 to License #29-30698-01. The amendment was approved and an updated license was issued on 1-14-05 in accordance with letters dated 12-21-04 and 1-11-05.

In approving Amendment No. 5, the NRC requested a Decommission Survey for the major "Authorized Use Areas" deleted from the license. The Decommission Survey was completed and the report submitted on 4-21-05. The NRC issued correspondence dated 6-10-05 in response to the 4-21-05 Decommission Report.

This letter and enclosures provide the additional information requested in the NRC correspondence dated 6-10-05 under Mail Control #136944.

- 1a. In Purdue's license application dated November 19, 2001, Biology Labs and Vivarium space were outlined to illustrate potential locations for handling or storing licensed material. Licensed material was not handled in the entire outlined area, only Authorized Use Areas. The use of radioactive material in any area of the building requires prior notification to the RSO. Safety inspections and Radiation Safety Committee Meetings routinely verify that licensed material is only handled in Authorized Use Areas.

The Decommission Survey Report dated 4-21-05 includes data for B-113, B-117, B-119, B-123 and the Liquid Waste Storage Area (No room number assigned).

136944

NMSS/RGNI MATERIALS-002

Survey data for B-104, B-107, B-132, B-141, B-202, B-206, Colony Rm. #2 and Procedure Rm. #4 are provided with this letter as enclosures. These areas were surveyed prior to the 12-21-04 Amendment Request and recorded in the site Decommission File.



Decommission survey data has now been provided for all decommissioned locations where licensed material was previously handled or stored.

2. Carbon-14 was used in a one-time experiment on the center bench in B-117. Carbon-14 was inadvertently omitted from Table 1 in the Decommission Survey Report dated 4-21-05. The surveys conducted are adequate for Carbon-14 clearance because: a) the MicroBeta Liquid Scintillation Counter used to analyze wipe samples was adjusted with the windows wide open which is the proper setting to detect Carbon-14, and b) the Carbon-14 release criteria value used in the survey was 5,000 dpm/100 cm² which is well below the 158,000 dpm/100 cm² value cited in NUREG-1500. Therefore, the survey conducted in B-117 was of sufficient scope and sensitivity to detect Carbon-14 contamination.
3. The total square footage occupied in this facility was 110,000 ft². The total area where licensed material was used or stored was 2,327 ft².

Thank you in advance for your time and effort in this matter. Please do not hesitate to contact me at 609-409-5826 if you have any questions or need additional information.

Sincerely,

Handwritten signature of Mathew L. Swan.

Mathew L. Swan, CIH, CSP
Director, Environment, Health & Safety

Enclosures

Memorandum

To: Decommission File
From: Mathew Swan *ms*
Date: 8/28/2002
Re: Room Decommissioning
(B-141)

Radioactive material was used at the Purdue Cranbury facility starting in April of 2002. At that time, the Storage Room adjacent to the Biology Loading Dock was designated as the Solid Radioactive Waste and Regulated Medical Waste Storage Room. In late August of 2002, this room was re-designated as an Isolation Room for the new Transgenic Vivarium. The room was officially decommissioned. and cleared for general use activities.

The Storage Room was officially cleared for general use based on handheld meter and wipe sampling results. Attached are a Survey Form, Sampling Map and a LSC printout. This memo and attached sampling results officially documents the decommissioning of the Solid Radioactive Waste and Regulated Medical Waste Storage Room adjacent to the Biology Loading Dock.

[REDACTED]



RADIATION SAFETY MANUAL

SECTION 6 / VERSION 3.0
(APRIL 2002)

LOCATION:
Cranbury NJ

APPENDIX E: AREA SURVEY FORM

Page 1 of 2

| | | | |
|--------------|---------------------------|---------------|----------------------|
| Lab Name: | Radioactive Waste Storage | Sample Blank: | #s 11-24 on printout |
| Lab Number: | B-141 | % Efficiency: | |
| Survey Date: | 8/22/02 | Instrument: | Wallac MicroBeta |

| SAMPLE LOCATION / DESCRIPTION (location map on pg. 2) | CPM | DPM |
|---|--------------|-----|
| 1 See Map | | ↑ |
| 2 | See printout | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | ↓ |

COMMENTS

Room was decommissioned to allow for renovations.

Performed By: Scott Penney 8/22/02

Reviewed By: [Signature] 8/27/02

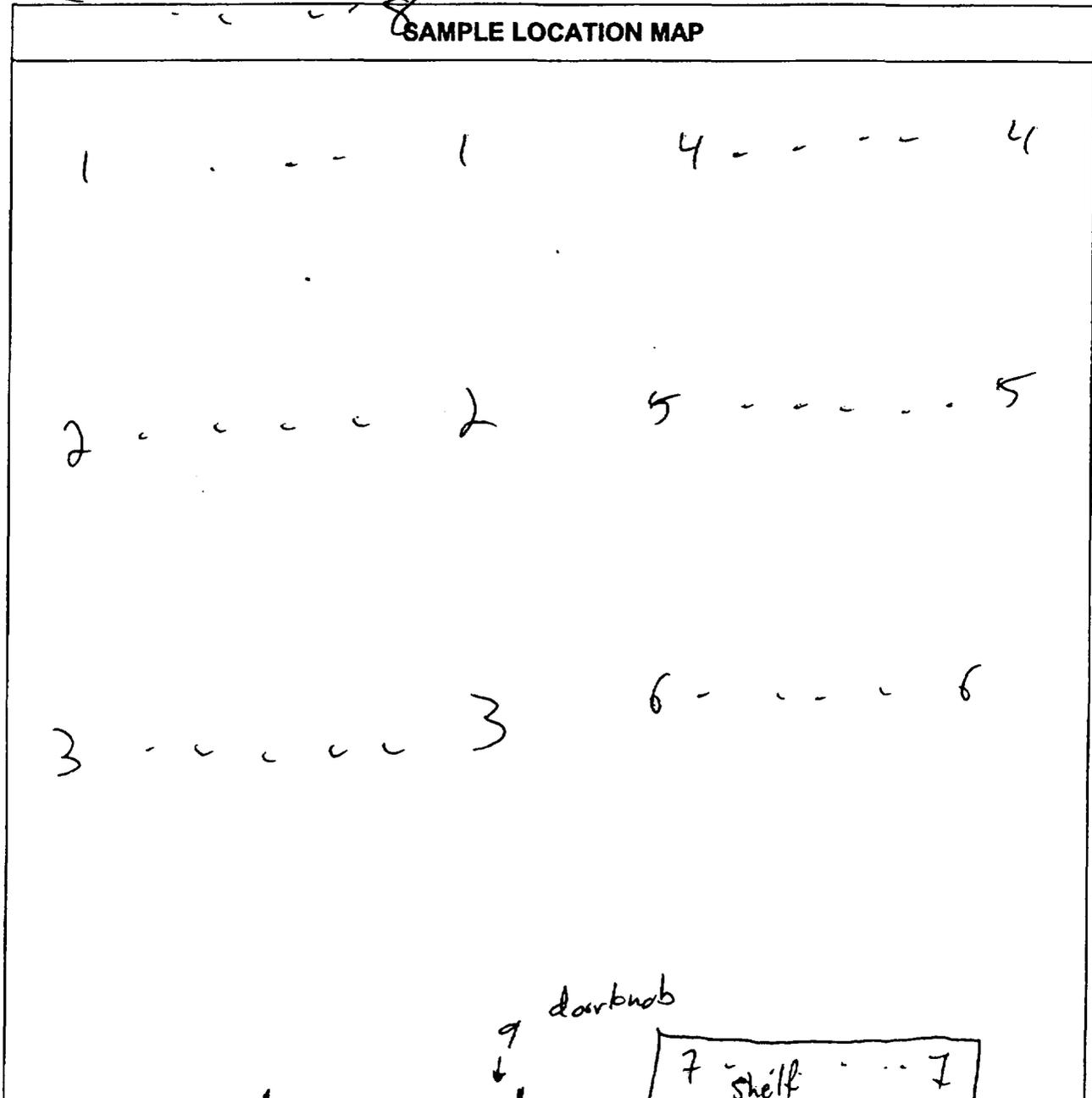


APPENDIX E: AREA SURVEY FORM

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| | | | |
|--------------|-----------------------|-------------|--|
| Lab Name: | Dry Radioactive Waste | Lab Number: | |
| Survey Date: | 8/22/02 | | |

SAMPLE LOCATION MAP



8
(wall)

9 door knob
↓

7 shelf

Hallway

c:\data\cranbury lab surveys\A13_016.txt

RUN INFORMATION:

=====

Counting protocol no: 13

Thu 22-Aug-2002 12:23

Name: LAB_SURVEYS_H-3_S-35_I-125

DPM standardization protocol no: -

COLUMNS:

=====

| SAMPLE | POS | CPM1 | DPM1 | CPM2 | DPM2 | CPM3 | FLAG |
|--------|-----|------|------|------|------|------|------|
| Unk_1 | A01 | 4 | 0 | 7 | 0 | 13 | . |
| Unk_2 | A02 | 1 | 0 | 13 | 0 | 17 | . |
| Unk_3 | A03 | 1 | 0 | 4 | 0 | 12 | . |
| Unk_4 | A04 | 6 | 0 | 25 | 0 | 76 | . |
| Unk_5 | A05 | 3 | 0 | 4 | 0 | 14 | . |
| Unk_6 | A06 | 19 | 0 | 15 | 0 | 12 | . |
| Unk_7 | B01 | 2 | 0 | 9 | 0 | 7 | . |
| Unk_8 | B02 | 3 | 0 | 13 | 0 | 15 | . |
| Unk_9 | B03 | 0 | 0 | 10 | 0 | 13 | . |
| Unk_10 | B04 | 2 | 0 | 12 | 0 | 19 | . |
| Unk_11 | B05 | 1 | 0 | 6 | 0 | 6 | . |
| Unk_12 | B06 | 4 | 0 | 9 | 0 | 7 | . |
| Unk_13 | C01 | 3 | 0 | 7 | 0 | 3 | . |
| Unk_14 | C02 | 5 | 0 | 19 | 0 | 6 | . |
| Unk_15 | C03 | 2 | 0 | 8 | 0 | 8 | . |
| Unk_16 | C04 | 2 | 0 | 13 | 0 | 10 | . |
| Unk_17 | C05 | 0 | 0 | 12 | 0 | 15 | . |
| Unk_18 | C06 | 0 | 0 | 12 | 0 | 9 | . |
| Unk_19 | D01 | 2 | 0 | 14 | 0 | 14 | . |
| Unk_20 | D02 | 1 | 0 | 11 | 0 | 12 | . |
| Unk_21 | D03 | 40 | 0 | 28 | 0 | 9 | . |
| Unk_22 | D04 | 1 | 0 | 8 | 0 | 14 | . |
| Unk_23 | D05 | 2 | 0 | 12 | 0 | 13 | . |
| Unk_24 | D06 | 2 | 0 | 6 | 0 | 9 | . |

Dry waste Run
See map

Bkgd
wipes

Total count rate 1: 106.2 CCPM
2: 277.4 CCPM

07216

Memorandum

To: Decommission File
From: Mathew Swan *MS*
Date: 11/21/2002
Re: Room Decommissioning
(B-132)

Radioactive material was used at the Purdue Cranbury facility starting in April of 2002. At that time, a Liquid Radioactive Waste Room was established adjacent to the glass washing room. In early November of 2002, this room was identified as necessary for support of building renovations. The room was officially decommissioned and cleared for general use activities.

The Liquid Radioactive Waste Room was officially cleared based on handheld meter and wipe sampling results. Attached are a Survey Form, Sampling Map and a LSC printout. This memo and attached sampling results officially documents the decommissioning of the Liquid Radioactive Waste Room.



APPENDIX E: AREA SURVEY FORM

Page 1 of 2

| | | | |
|---------------------|----------------------|----------------------|------------------|
| Lab Name: | Liquid waste storage | Sample Blank: | 2 to 4 cpm |
| Lab Number: | N/A <i>B-132</i> | % Efficiency: | 50 |
| Survey Date: | 11/1/02 | Instrument: | Wallac MicroBeta |

| SAMPLE LOCATION / DESCRIPTION (location map on pg. 2) | CPM | DPM |
|---|-----|------|
| 1 Floor | 2 | <MDA |
| 2 Floor | 1 | <MDA |
| 3 Floor | 0 | <MDA |
| 4 Sink | 3 | <MDA |
| 5 Shelf | 2 | <MDA |
| 6 Shelf | 4 | <MDA |
| 7 Floor | 0 | <MDA |
| <p>COMMENTS</p> <p>Decommissioning survey, this room will no longer be used for radioactive waste storage. There were <u>no</u> liquid waste discharges via the sink in this room.</p> | | |

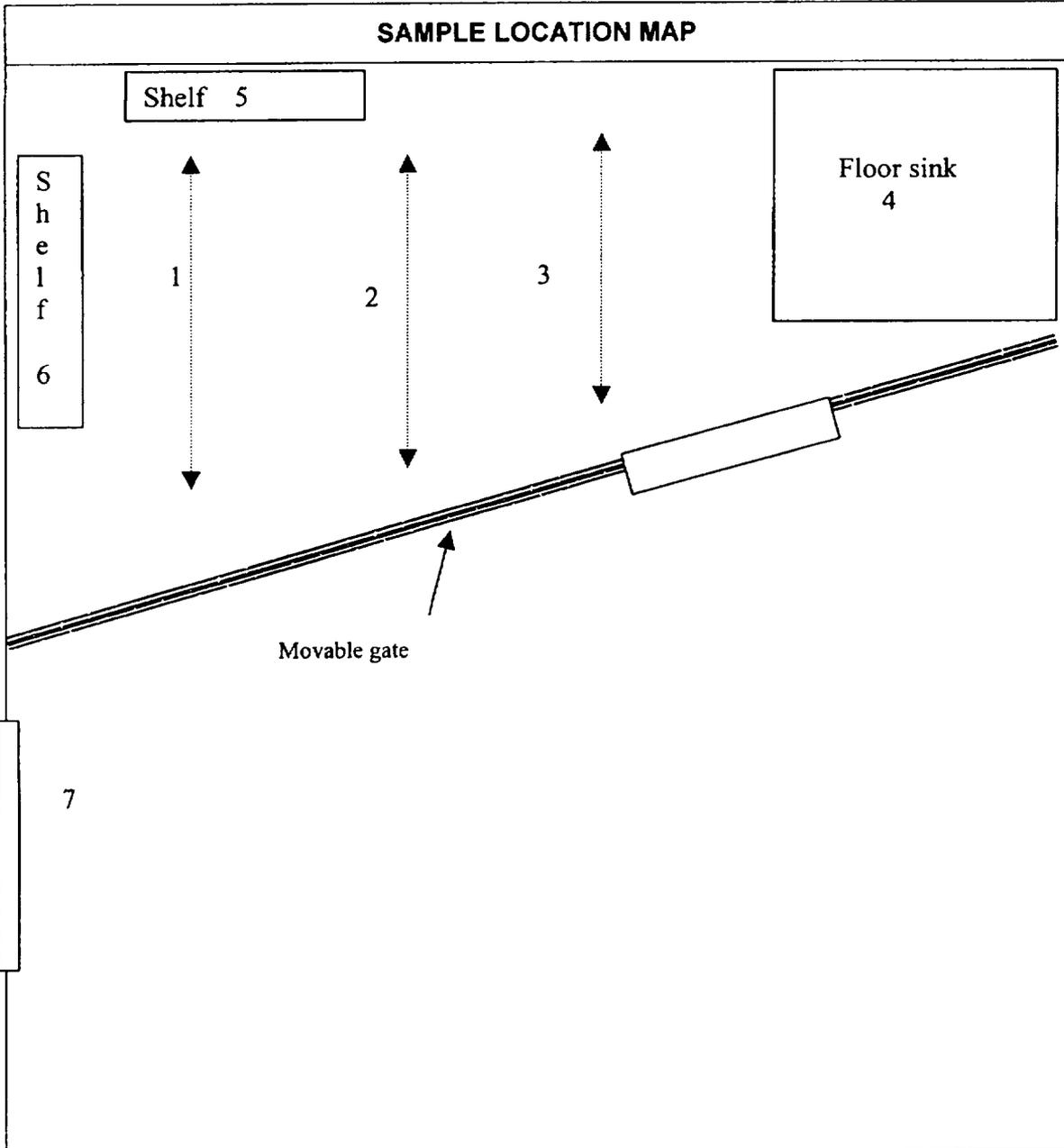
Performed By: Scott Dennerlein, SD&A, LLC

Reviewed By: *Matthew J. Swann* 11/21/02

APPENDIX E: AREA SURVEY FORM

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| | | | |
|--------------|----------------------|-------------|-----------|
| Lab Name: | Liquid waste storage | Lab Number: | N/A B-132 |
| Survey Date: | 11/1/02 | | |



c:\data\cranbury lab surveys\A13_028.txt

RUN INFORMATION:

=====

Counting protocol no: 13 Fri 1-Nov-2002 12:40
 Name: LAB_SURVEYS_H-3_S-35_I-125
 DPM standardization protocol no: -

Liquid Waste Run Decom.

COLUMNS:

=====

| SAMPLE | POS | CPM1 | DPM1 | CPM2 | DPM2 | CPM3 | FLAG |
|--------|-----|------|------|------|------|------|------|
| Unk_1 | A01 | 2 | 0 | 11 | 0 | 14 | . |
| Unk_2 | A02 | 1 | 0 | 6 | 0 | 17 | . |
| Unk_3 | A03 | 0 | 0 | 11 | 0 | 11 | . |
| Unk_4 | A04 | 3 | 0 | 11 | 0 | 13 | . |
| Unk_5 | A05 | 2 | 0 | 17 | 0 | 28 | . |
| Unk_6 | A06 | 4 | 0 | 6 | 0 | 18 | . |
| Unk_7 | B01 | 0 | 0 | 6 | 0 | 14 | . |
| Unk_8 | B02 | 2 | 0 | 10 | 0 | 5 | . |
| Unk_9 | B03 | 0 | 0 | 9 | 0 | 9 | . |
| Unk_10 | B04 | 4 | 0 | 17 | 0 | 13 | . |
| Unk_11 | B05 | 4 | 0 | 12 | 0 | 17 | . |
| Unk_12 | B06 | 0 | 0 | 9 | 0 | 16 | . |
| Unk_13 | C01 | 2 | 0 | 16 | 0 | 15 | . |
| Unk_14 | C02 | 0 | 0 | 10 | 0 | 14 | . |
| Unk_15 | C03 | 0 | 0 | 12 | 0 | 12 | . |
| Unk_16 | C04 | 1 | 0 | 12 | 0 | 11 | . |
| Unk_17 | C05 | 5 | 0 | 22 | 0 | 16 | . |
| Unk_18 | C06 | 2 | 0 | 5 | 0 | 10 | . |
| Unk_19 | D01 | 2 | 0 | 12 | 0 | 12 | . |
| Unk_20 | D02 | 1 | 0 | 8 | 0 | 10 | . |
| Unk_21 | D03 | 15 | 0 | 29 | 0 | 53 | . |
| Unk_22 | D04 | 0 | 0 | 15 | 0 | 13 | . |
| Unk_23 | D05 | 4 | 0 | 9 | 0 | 10 | . |
| Unk_24 | D06 | 1 | 0 | 6 | 0 | 10 | . |

wipes

*Background
wipes*

*Empty
wells*

Total count rate 1: 55.1 CCPM
 2: 281.3 CCPM

Memorandum

To: Decommission File
From: Mathew Swan *M.S.*
Date: December 2003
Re: Room Decommissioning – Lab B-107

Radioactive material was used at the Purdue Cranbury facility starting in April of 2002. Radioactive material was used in B-107 starting in July 2002. By December 2003, no further use of radioactive material was scheduled for this laboratory.

Lab B-107 was officially cleared for general use based on handheld meter and wipe sampling results. Attached are a Survey Form, Sampling Map and a LSC printout. This memo and attached sampling results officially documents the decommissioning of Lab B-107.

APPENDIX E: AREA SURVEY FORM

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| | | | |
|---|--------------|---------------|----------------|
| Lab Name / #: | B-107 | Sample Blank: | $\bar{x} - 27$ |
| Performed By: | S. Duncanson | % Efficiency: | 50% |
| Survey Date: | | Instrument: | |
| Radioactive Material Containers Labeled? | Removed | Yes | No |
| Waste Inventory is Logged and Maintained? | N/A | Yes | No |
| Radiation Meters Available and Operational? | N/A | Yes | No |

| SAMPLE LOCATION / DESCRIPTION (location map on pg. 2) | CPM | Net CPM | DPM |
|---|-----|---------|-------|
| 1 see map | 23 | -4 | 2 MDA |
| 2 | 27 | 0 | |
| 3 | 26 | -1 | |
| 4 | 26 | -1 | |
| 5 | 10 | -17 | |
| 6 | 21 | -6 | |
| 7 | 20 | -7 | |
| 8 | 24 | -3 | |
| 9 | 21 | -6 | |
| 10 | 29 | -2 | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |

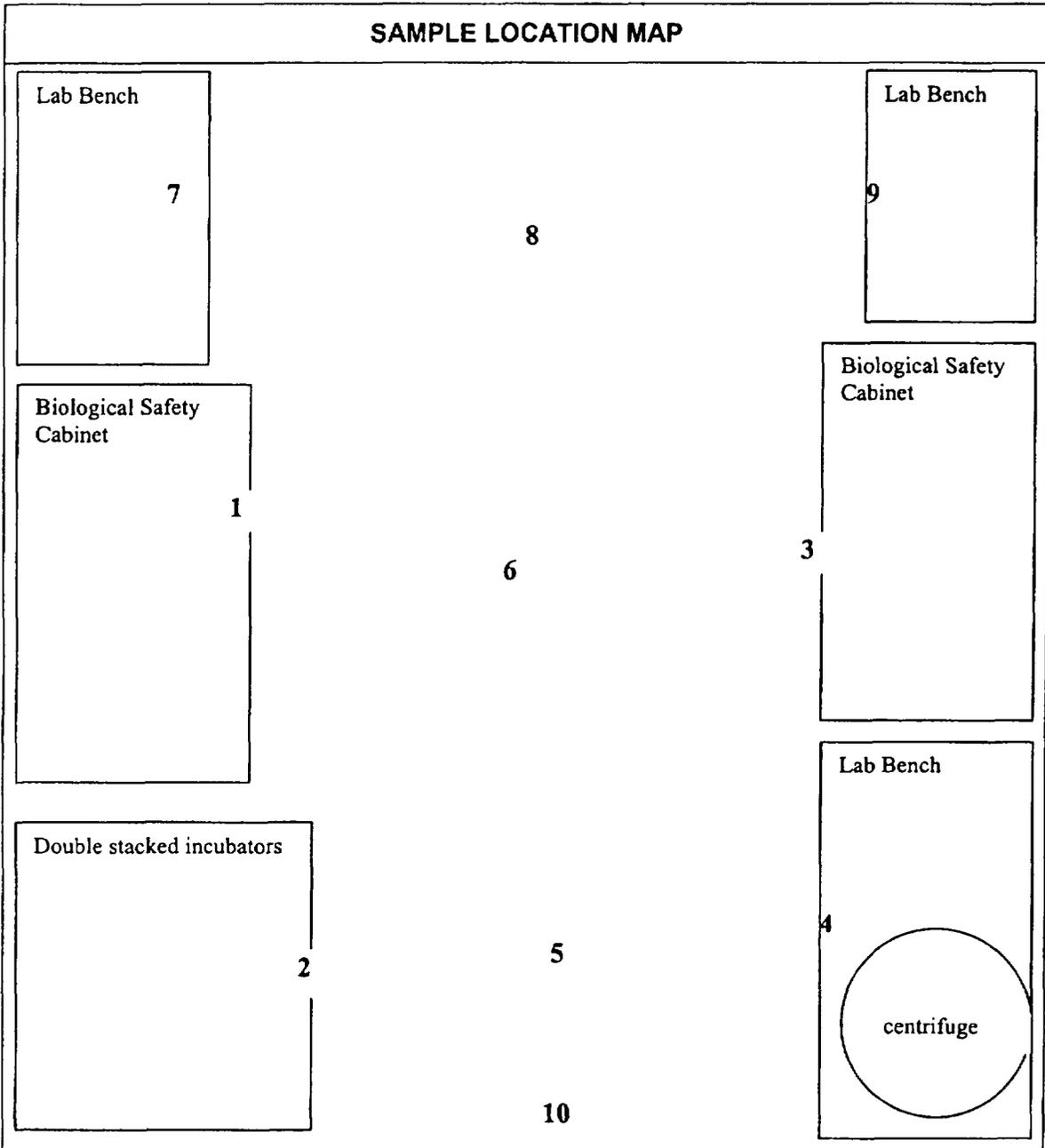
COMMENTS: Decommissioning Survey - All waste and rad. material removed from area prior to survey.

- Note:**
- 1) Net CPM = CPM - Average Sample Blank
 - 2) DPM = Net CPM divided by 0.5

APPENDIX E: AREA SURVEY FORM

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| | | | |
|--------------|---------------|-------------|-------|
| Lab Name: | Isolation Lab | Lab Number: | B-107 |
| Survey Date: | 12/11/03 | | |



c:\data\3h-swipes\A17_004.txt

RUN INFORMATION:

Counting protocol no: 17
Name: PACKAGE_AREA_SURVEYS
CPM normalization protocol no: -

Thu 11-Dec-2003 13:50

*** DETECTORS NOT NORMALIZED

COLUMNS:

| SAMPLE | POS | CCPM1 |
|--------|-----|-------|
| Unk_1 | A01 | 23 |
| Unk_2 | A02 | 27 |
| Unk_3 | A03 | 26 |
| Unk_4 | A04 | 26 |
| Unk_5 | A05 | 10 |
| Unk_6 | A06 | 21 |
| Unk_7 | B01 | 20 |
| Unk_8 | B02 | 24 |
| Unk_9 | B03 | 21 |
| Unk_10 | B04 | 25 |
| Unk_11 | B05 | 49 |
| Unk_12 | B06 | 25 |
| Unk_13 | C01 | 25 |
| Unk_14 | C02 | 20 |
| Unk_15 | C03 | 29 |
| Unk_16 | C04 | 22 |
| Unk_17 | C05 | 24 |
| Unk_18 | C06 | 23 |
| Unk_19 | D01 | 26 |
| Unk_20 | D02 | 29 |
| Unk_21 | D03 | 23 |
| Unk_22 | D04 | 26 |
| Unk_23 | D05 | 22 |
| Unk_24 | D06 | 18 |

B-107
Decomm.

Btsd

$$\bar{X} = 27$$

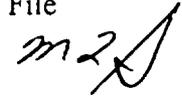
$$L_c = 2.33\sqrt{27} = 2.33(5.2) = 12$$

critical level

$$27 + 12 = 39$$

Total count rate: 584.6 CCPM

Memorandum

To: Decommission File
From: Mathew Swan 
Date: August 2004
Re: Decommission File – Program Update

Radioactive material was used at the Purdue Cranbury facility starting in April of 2002. To date, there have been four memos pertaining to site decommission activities. This fifth memo dated 8/30/04, is intended to document site changes and to update site authorized use areas.

Decommission Activities Review

Previous site decommission activities include the following:

- | | | |
|----|-----------------|---------------------------------------|
| 1. | August 2002 | Solid Radioactive Waste Storage Room |
| 2. | September 2002 | Vivarium Procedure Room #4 |
| 3. | November 2002 | Liquid Radioactive Waste Storage Room |
| 4. | Quarter 4, 2003 | B-107 Tissue Culture Room |

Current Decommission Activities

The site business climate changed significantly in the summer of 2004. The site business changes dictated changes in the use of radioactive material on site. The site changes are summarized below:

1. The Immunotherapeutics Department was discontinued which affected a major portion of the radioactive material use on site.
2. Without the Immunotherapeutics Department, radioactive material was no longer used in the Vivarium.
3. The Molecular Biology Department moved from the second floor to the first floor lab space vacated by the Immunotherapeutics Department. Radioactive material was no longer used on the second floor.

Site decommission activities associated with the site changes in the summer of 2004 described above include the following:

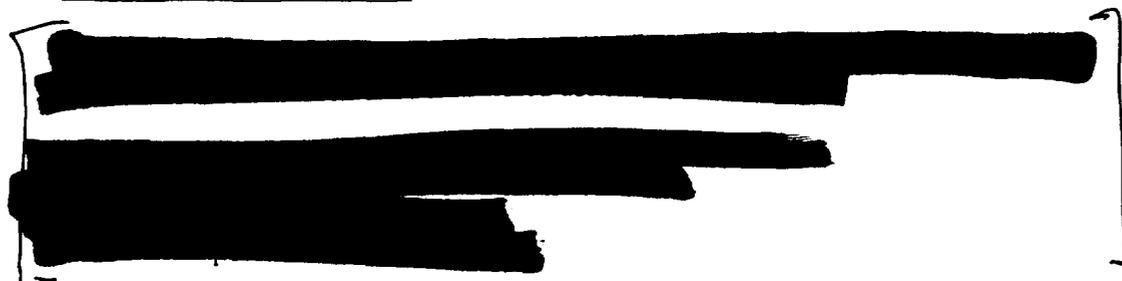
1. Decommission second floor authorized use areas (B-202, B-206)

August 2004

2. Decommission Vivarium use areas (Colony Rm. #2, Procedure Rm. #4)
3. Decommission B-104 use area

Enclosed with this memo are copies of the lab diagrams, sample locations and analysis results print out. Areas B-202, B-206, Vivarium Colony Rm. 2, Vivarium Procedure Rm. 4 and B-104 were cleared for general use activities.

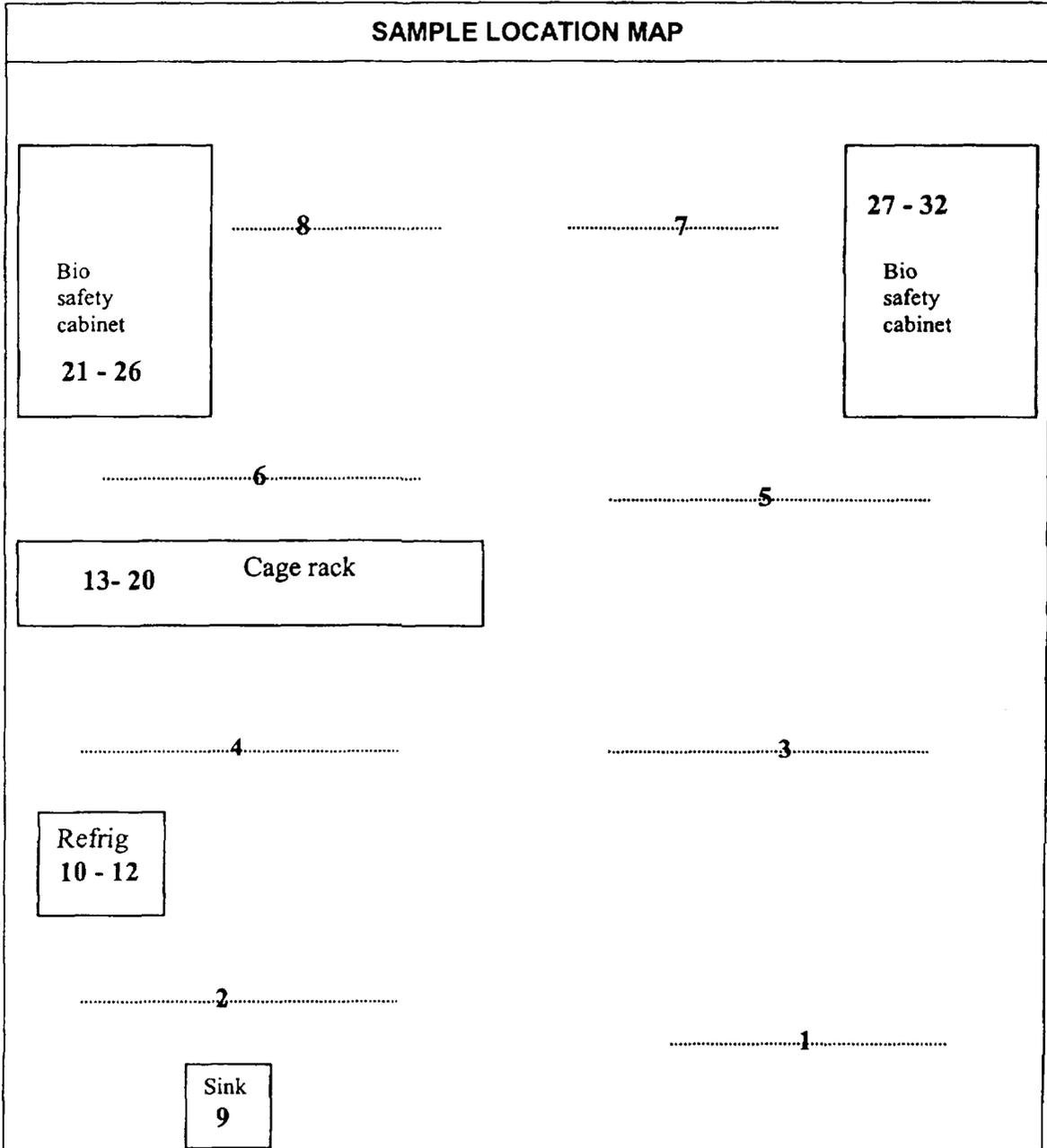
Current Authorized Use Areas



APPENDIX E: AREA SURVEY FORM

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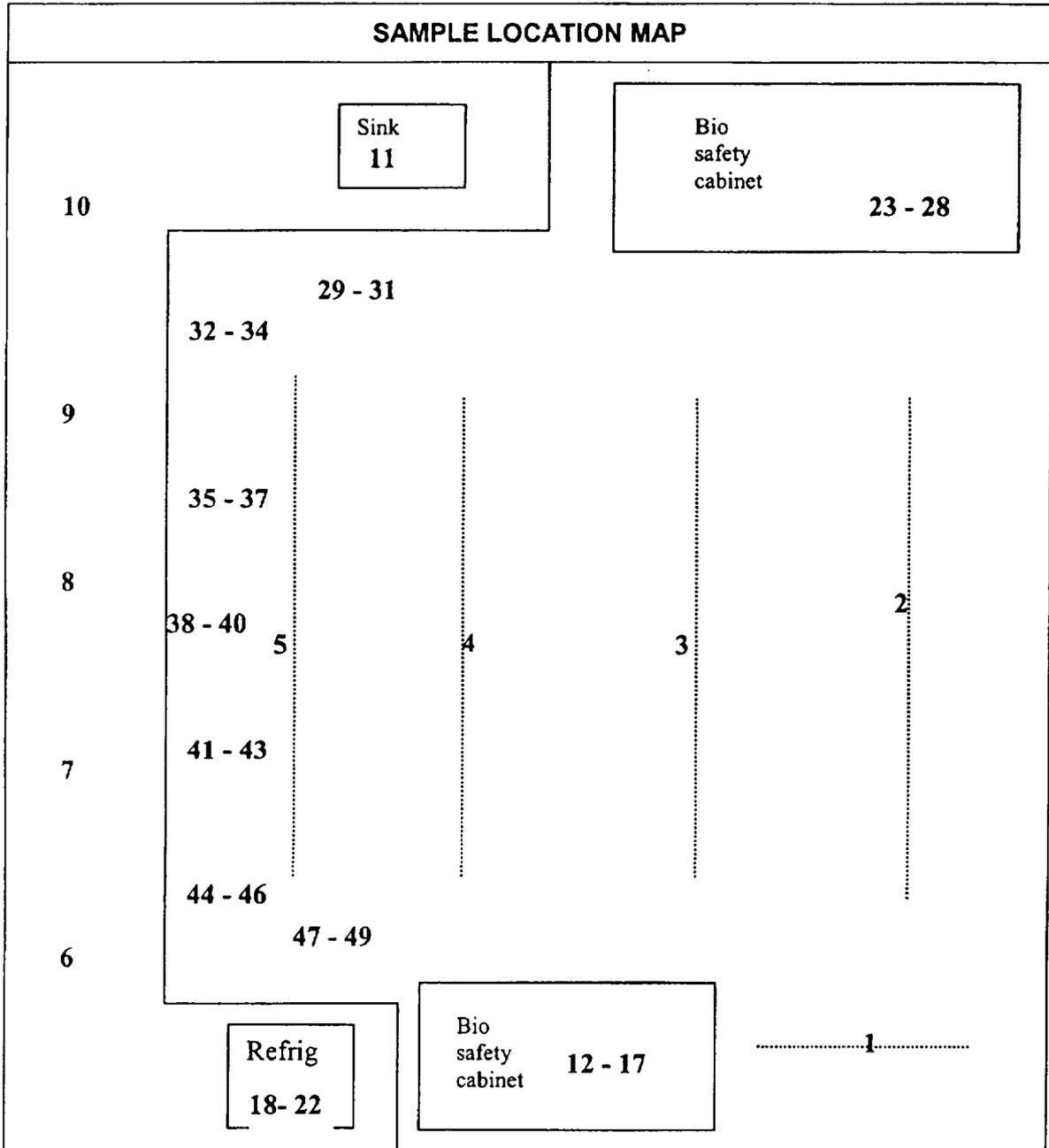
| | | | |
|---------------------|-----------------------|--------------------|------|
| Lab Name: | Vivarium Colony Rm. 2 | Lab Number: | SAME |
| Survey Date: | 7/22/04 | | |



APPENDIX E: AREA SURVEY FORM

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| | | | |
|---------------------|--------------------------|--------------------|------|
| Lab Name: | Vivarium Procedure Rm. 4 | Lab Number: | SAME |
| Survey Date: | 7/22/04 | | |



APPENDIX E: AREA SURVEY FORM

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| | | | |
|---------------------|------------|--------------------|-------|
| Lab Name: | Immuno Lab | Lab Number: | B-104 |
| Survey Date: | 7/22/04 | | |

| SAMPLE LOCATION MAP | |
|---------------------|-------------|
| 5 - 8 |1..... |
| 15 - 20 |2..... |
| Hood |3..... |
| 9 - 14 |4..... |

c:\data\3h-swipes\A17_080.txt

RUN INFORMATION:

=====

Counting protocol no: 17

Thu 22-Jul-2004 11:07

Name: PACKAGE_AREA_SURVEYS

CPM normalization protocol no: -

*** DETECTORS NOT NORMALIZED

COLUMNS:

=====

| SAMPLE | POS | CCPM1 |
|--------|-----|-------|
| Unk_1 | A01 | 50 |
| Unk_2 | A02 | 28 |
| Unk_3 | A03 | 59 |
| Unk_4 | A04 | 57 |
| Unk_5 | A05 | 37 |
| Unk_6 | A06 | 31 |
| Unk_7 | B01 | 35 |
| Unk_8 | B02 | 36 |
| Unk_9 | B03 | 37 |
| Unk_10 | B04 | 32 |
| Unk_11 | B05 | 29 |
| Unk_12 | B06 | 47 |
| Unk_13 | C01 | 33 |
| Unk_14 | C02 | 31 |
| Unk_15 | C03 | 49 |
| Unk_16 | C04 | 36 |
| Unk_17 | C05 | 27 |
| Unk_18 | C06 | 34 |
| Unk_19 | D01 | 46 |
| Unk_20 | D02 | 41 |
| Unk_21 | D03 | 34 |
| Unk_22 | D04 | 39 |
| Unk_23 | D05 | 46 |
| Unk_24 | D06 | 35 |
| Unk_25 | A01 | 33 |
| Unk_26 | A02 | 44 |
| Unk_27 | A03 | 35 |
| Unk_28 | A04 | 47 |
| Unk_29 | A05 | 39 |
| Unk_30 | A06 | 50 |
| Unk_31 | B01 | 39 |
| Unk_32 | B02 | 28 |
| Unk_33 | B03 | 47 |
| Unk_34 | B04 | 34 |
| Unk_35 | B05 | 33 |
| Unk_36 | B06 | 30 |
| Unk_37 | C01 | 41 |
| Unk_38 | C02 | 39 |
| Unk_39 | C03 | 42 |
| Unk_40 | C04 | 33 |
| Unk_41 | C05 | 37 |
| Unk_42 | C06 | 29 |
| Unk_43 | D01 | 38 |
| Unk_44 | D02 | 34 |
| Unk_45 | D03 | 34 |
| Unk_46 | D04 | 27 |
| Unk_47 | D05 | 32 |
| Unk_48 | D06 | 38 |
| Unk_49 | A01 | 25 |
| Unk_50 | A02 | 49 |
| Unk_51 | A03 | 34 |
| Unk_52 | A04 | 32 |
| Unk_53 | A05 | 42 |
| Unk_54 | A06 | 27 |
| Unk_55 | B01 | 38 |
| Unk_56 | B02 | 44 |
| Unk_57 | B03 | 41 |
| Unk_58 | B04 | 51 |
| Unk_59 | B05 | 40 |
| Unk_60 | B06 | 41 |
| Unk_61 | C01 | 42 |
| Unk_62 | C02 | 52 |

Colony Rm. #2

GENERAL BACKGROUND

PROCEDURE Rm. #4

| | | |
|---------|-----|----|
| Unk_63 | C03 | 59 |
| Unk_64 | C04 | 37 |
| Unk_65 | C05 | 36 |
| Unk_66 | C06 | 29 |
| Unk_67 | D01 | 27 |
| Unk_68 | D02 | 33 |
| Unk_69 | D03 | 33 |
| Unk_70 | D04 | 30 |
| Unk_71 | D05 | 38 |
| Unk_72 | D06 | 31 |
| Unk_73 | A01 | 36 |
| Unk_74 | A02 | 37 |
| Unk_75 | A03 | 40 |
| Unk_76 | A04 | 39 |
| Unk_77 | A05 | 34 |
| Unk_78 | A06 | 33 |
| Unk_79 | B01 | 32 |
| Unk_80 | B02 | 39 |
| Unk_81 | B03 | 49 |
| Unk_82 | B04 | 40 |
| Unk_83 | B05 | 34 |
| Unk_84 | B06 | 42 |
| Unk_85 | C01 | 39 |
| Unk_86 | C02 | 49 |
| Unk_87 | C03 | 54 |
| Unk_88 | C04 | 38 |
| Unk_89 | C05 | 39 |
| Unk_90 | C06 | 43 |
| Unk_91 | D01 | 32 |
| Unk_92 | D02 | 29 |
| Unk_93 | D03 | 24 |
| Unk_94 | D04 | 38 |
| Unk_95 | D05 | 44 |
| Unk_96 | D06 | 40 |
| Unk_97 | A01 | 27 |
| Unk_98 | A02 | 33 |
| Unk_99 | A03 | 42 |
| Unk_100 | A04 | 34 |
| Unk_101 | A05 | 44 |
| Unk_102 | A06 | 33 |
| Unk_103 | B01 | 36 |
| Unk_104 | B02 | 36 |
| Unk_105 | B03 | 44 |
| Unk_106 | B04 | 36 |
| Unk_107 | B05 | 31 |
| Unk_108 | B06 | 39 |
| Unk_109 | C01 | 38 |
| Unk_110 | C02 | 35 |
| Unk_111 | C03 | 39 |
| Unk_112 | C04 | 37 |
| Unk_113 | C05 | 36 |
| Unk_114 | C06 | 35 |
| Unk_115 | D01 | 25 |
| Unk_116 | D02 | 44 |
| Unk_117 | D03 | 40 |
| Unk_118 | D04 | 33 |
| Unk_119 | D05 | 34 |
| Unk_120 | D06 | 27 |
| Unk_121 | A01 | 34 |
| Unk_122 | A02 | 33 |
| Unk_123 | A03 | 43 |
| Unk_124 | A04 | 37 |
| Unk_125 | A05 | 35 |
| Unk_126 | A06 | 39 |
| Unk_127 | B01 | 39 |
| Unk_128 | B02 | 35 |
| Unk_129 | B03 | 54 |
| Unk_130 | B04 | 35 |
| Unk_131 | B05 | 32 |
| Unk_132 | B06 | 41 |
| Unk_133 | C01 | 34 |
| Unk_134 | C02 | 39 |
| Unk_135 | C03 | 26 |
| Unk_136 | C04 | 34 |
| Unk_137 | C05 | 34 |
| Unk_138 | C06 | 38 |
| Unk_139 | D01 | 38 |

PROCEDURE Nm #4 (CONTINUED)

NOT RELATED TO THESE SURVEYS

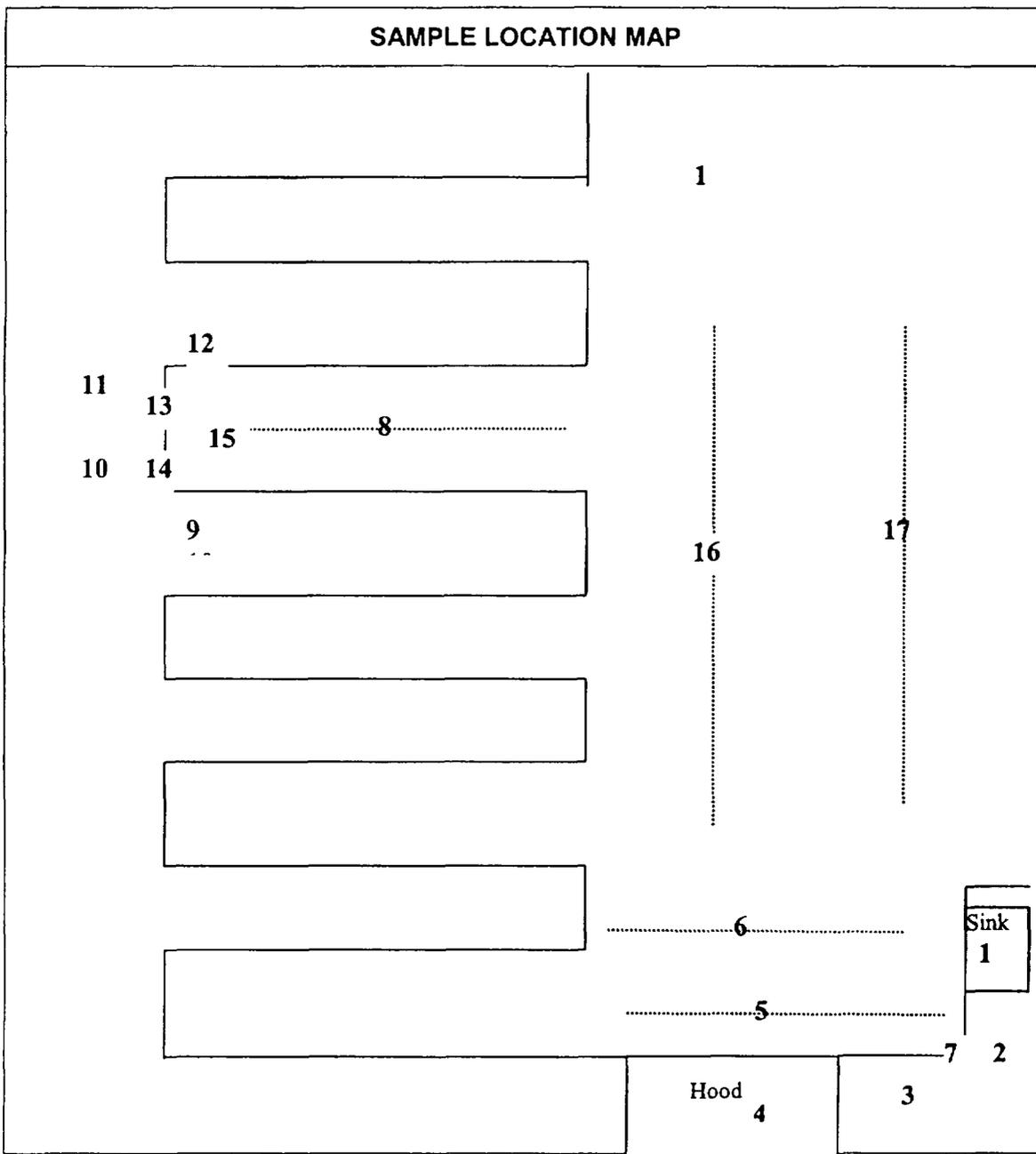
B-104

Blank

APPENDIX E: AREA SURVEY FORM

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| | | | |
|--------------------|--|--------------------|-------|
| Lab Name: | Molec Bio, Center and End Bay, 2 nd Floor | Lab Number: | B-202 |
| Survey Date | 8/19/04 | | |



APPENDIX E: AREA SURVEY FORM

Page 2 of 2

| | | | |
|-------------|---|-------------|-------|
| Lab Name: | Molec Bio, Instrument Lab, 2 nd Floor | Lab Number: | B-206 |
| Survey Date | 8/19/04 | | |

SAMPLE LOCATION MAP

The diagram illustrates the sample location map. It features a central rectangular area labeled "LSC". This area is bounded by four numbered points: 1 at the top-left corner, 2 at the bottom-center, 3 at the top-right corner, and 4 at the bottom-left corner. A dotted line labeled 5 extends horizontally to the left from point 4. In the lower right quadrant of the map area, there is a large, empty rectangular box.

c:\data\3h-swipes\A17_088.txt

RUN INFORMATION:

=====

Counting protocol no: 17

Thu 19-Aug-2004 12:23

Name: PACKAGE_AREA_SURVEYS

CPM normalization protocol no: -

*** DETECTORS NOT NORMALIZED

COLUMNS:

=====

| SAMPLE | POS | CPM1 |
|--------|-----|------|
| Unk_1 | A01 | 32 |
| Unk_2 | A02 | 36 |
| Unk_3 | A03 | 42 |
| Unk_4 | A04 | 44 |
| Unk_5 | A05 | 52 |
| Unk_6 | A06 | 37 |
| Unk_7 | B01 | 34 |
| Unk_8 | B02 | 35 |
| Unk_9 | B03 | 49 |
| Unk_10 | B04 | 48 |
| Unk_11 | B05 | 48 |
| Unk_12 | B06 | 44 |
| Unk_13 | C01 | 38 |
| Unk_14 | C02 | 34 |
| Unk_15 | C03 | 30 |
| Unk_16 | C04 | 34 |
| Unk_17 | C05 | 49 |
| Unk_18 | C06 | 42 |
| Unk_19 | D01 | 39 |
| Unk_20 | D02 | 41 |
| Unk_21 | D03 | 32 |
| Unk_22 | D04 | 43 |
| Unk_23 | D05 | 35 |
| Unk_24 | D06 | 45 |

B202 / B206

B-202

BACKGROUND

B-206

Total count rate: 964.6 CCPM

c:\data\3h-swipes\A17_002.txt

Room 2-112

RUN INFORMATION:

=====

Counting protocol no: 17

Tue 28-Jun-2005 10:51

Name: PACKAGE_AREA_SURVEYS

CPM normalization protocol no: -

*** DETECTORS NOT NORMALIZED

COLUMNS:

=====

| SAMPLE | POS | CPM1 |
|--------|-----|------|
| Unk_1 | A01 | 39 |
| Unk_2 | A02 | 33 |
| Unk_3 | A03 | 33 |
| Unk_4 | A04 | 39 |
| Unk_5 | A05 | 39 |
| Unk_6 | A06 | 37 |
| Unk_7 | B01 | 46 |
| Unk_8 | B02 | 43 |
| Unk_9 | B03 | 54 |
| Unk_10 | B04 | 36 |
| Unk_11 | B05 | 50 |
| Unk_12 | B06 | 40 |
| Unk_13 | C01 | 36 |
| Unk_14 | C02 | 43 |
| Unk_15 | C03 | 33 |
| Unk_16 | C04 | 28 |
| Unk_17 | C05 | 36 |
| Unk_18 | C06 | 40 |
| Unk_19 | D01 | 61 |
| Unk_20 | D02 | 30 |
| Unk_21 | D03 | 40 |
| Unk_22 | D04 | 37 |
| Unk_23 | D05 | 30 |
| Unk_24 | D06 | 36 |

Total count rate: 940.1 CCPM

2-112

BACKGROUND