



ENVIRONMENTAL SERVICES COMPANIES

24 HOUR SERVICE

P.O. BOX 1812

ALBANY, N.Y. 12201

(518) 434-0149

February 26, 1992


Mr. Dean N. Palen, P.E., MBA
Director of Environmental Sanitation Division
Ulster County Health Department
300 Flatbush Ave.
Kingston, New York 12401

Please find attached the plans for cleaning and opening the following buildings on the State University of New York campus in New Paltz:

Building: Scudder Hall


Revision 3.2

I have received, reviewed and approved this plan.

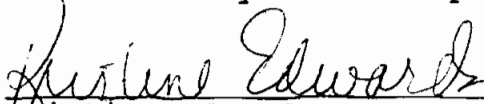

Paul Pukk
Clean Harbors of Kingston

I have inspected the completed work and it meets my approval.


Paul Pukk
Clean Harbors of Kingston


Dean N. Palen, P.E., MBA
Ulster County Health Dept.

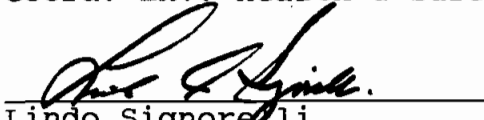
Dean N. Palen, P.E., MBA
Ulster County Health Dept.


Kristine Edwards
NYS Office of General Services

Kristine Edwards
NYS Office of General Services


Peter Betley
SUNY New Paltz
Coord. Env. Health & Safety

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SUNY New Paltz
Coord. Env. Health & Safety


Lindo Signorelli
SUNY
Facilities Mgt. & Support

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SUNY
Facilities Mgt. & Support

One hundred percent of the student rooms were PCB wipe sampled. Additional Dioxin / Furan samples were also taken. In light of the data from these samples the clean up plan for Scudder Hall shall be broken up into two components; 1. the basement level and 2. the rest of the building.

Carpeting in all public areas shall be removed, bagged and disposed. Special care shall be taken to apply the removal force in a horizontal direction to minimize disruption to the sub-surface. All student rooms in the immediate area of carpet removal must be appropriately sealed to prevent inadvertent fugitive contamination migration. Areas where carpet removal is to be performed shall be segregated prior to removal of any carpets.

Basement Level Clean Up Plan

Emptying - Student Rooms B1, B6, B7, and B8 of the basement level of Scudder shall be emptied. All structurally nonessential items (excluding doors, plumbing fixtures and other large costly non-porous items that are easily cleaned and sampled) shall be removed and disposed of. All rugs shall be removed and disposed of. These items are SUNY property. The disposal decision for these items is based on economics. The cleaning, sampling and documentation process to verify maintaining these items would cost more than their worth. All student belongings within these rooms shall be removed and stored in a secure clean area restricted from public access. All other student rooms will remain locked until the cleaning is complete and approvals have been issued by appropriate authorities. These rooms shall be appropriately sealed prior to initiating basement level cleaning activities.

Double Wash & Rinse - High pressure steam units shall be used in public areas (halls, bath rooms, janitors closets, maintenance room, laundry rooms) and rooms B1, B6, B7, and B8 of the basement of Scudder. Floors, walls and high contact surfaces shall be cleaned within student rooms (B1, B6, B7, & B8) and all public areas within the basement. Floors, walls, ceilings and high contact surfaces shall be cleaned within the vault. All rinse waters and cleaning solutions shall be captured for off site disposal. Dikes made of wood sealed with with-silicone beads shall be utilized to control the migration of rinse waters. Polyethylene curtains will prevent over spray and recontamination of previously cleaned areas.

A performance based cleaning standard will be used to assure that the production rate does not increase to a point where cleaning effort becomes ineffective. The performance standard will be a maximum of 2000 square feet of surface area per hour per three man team. The three man team consists of one person using a steam / water / detergent high pressure cleaning unit with the second person using a squeegee to corral the solution and a third person using a high volume high capacity dry/wet vacuum to contain the waters. Washing will begin in the student rooms to be cleaned and extend to the hallways.

A complete PCB type cleanup of the transformer vault and immediate area shall be performed. This cleanup will include the isolation of that area, double wash/double rinse, and post sampling of this level. Additional cleaning of areas that do not test clean may be required. Secondary cleaning of the vault and areas where PCB oil may have puddled shall include Penetone cleaning (Penetone Cleaning Procedure is included herein.) Additional work may include demolition of some areas in the immediate area of the transformer vault.

Testing - Post Cleaning Sampling of all rooms that are cleaned in the basement shall take place. Samples will be taken from horizontal or high contact surfaces. Sample sizes will be a total of 900 square centimeters per room. Three composite samples each of 300 square centimeters shall be taken. This will allow for three separate areas to be sampled. The area near the vault which exhibited dioxin presence prior to cleaning shall be tested for dioxins post cleaning (one composite wipe sample). Prior to re-occupancy one high volume air sample shall be taken from each level and analyzed for PCB / Dioxin / Furan.

Recleaning or Surface removal - Areas which exhibit PCB concentrations above the criteria set by the State Department of Health shall be recleaned or further remediated. Scarification, jackhammering and / or demolition may be included within this phase. Care must be taken to control migration of air borne contamination.

Retesting - Areas which require recleaning or surface removal shall be re-tested.

Basement Electrical Room

Initial results of the electrical room indicate levels below the occupancy criteria. Additional wipe sampling of the electrical room shall be performed to ensure that the initial result is indicative of the general area. Prior to opening Scudder Hall a high volume air sample will be taken within the energized Electrical Room and analyzed for PCB's.

CLEANING PROCEDURE**ALL BUILDINGS****PROCEDURE FOR DEALING WITH ITEMS IN CLEANED ROOMS.**

NOTE: Rooms that are found open, can be locked, and were not scheduled for cleaning will be locked. A note to that effect entered in the appropriate log book.

Rooms in the Public areas that are scheduled for cleaning which contain personal items will be cleaned. To assure that the cleaning can be documented to a satisfactory degree and that the items do not impair the progress of the cleaning the items will have to be either relocated or removed and disposed of. The general rules will be:

1. Low value, porous, high contact items: such as magazines, paper towels, toilet paper, fabric towels, etc.
2. High value, porous, high contact items: such as fabric covered sofas and chairs, mattresses, protective athletic clothing, etc.
3. High value, impervious items: such as plastic furniture, bicycles, wooden furniture with a good intact finish, etc.
4. Low value, impervious items: such as food associated items, plastic crates, and children's' play things, pens, etc.

Items in categories 1, 2, and 4 will be removed, in a fashion that will not release or spread any contaminants, and stored as if they were PCB contaminated materials. Final disposal will be dependent on testing.

Items in category 3 will be placed on polyethylene sheeting in a previously cleaned area after Industrial Cleaning of all surfaces that can be considered high contact (see examples below). If there is any likelihood that a surface is or may become a high contact surface, it will be cleaned following the Industrial Cleaning procedures.

Examples of High Contact Surfaces to be Cleaned for Category 3 Items:

Plastic Furniture: Chairs - seat, back of chair, arm rests
Bicycles - seat and handle bars
Tables - top, edges

After application of the initial solution the first rinse may be applied with either cold or steam pressure. The rinse will be immediately collected.

The second wash solution should be a dilution of 1 part Penetone to over 20 parts water.

The last rinse should be cold water with a large quantity of water to reduce the corrosive aftereffects of the wash solution.

After the last rinse a pH should be taken to assure that the surfaces of the vault do not present a physical contact hazard. If the pH is under 3 additional water and/or a solution of bicarbonate of soda and water should be added to lessen the hazard.

Sampling will be conducted after the last rinse to determine the effectiveness of the solvent washing.

First Second & Third Floors

On the first, second, and third floor an Industrial Cleaning of all Public access areas will be performed. This includes lounges, janitor's closets, and bathrooms. Because past experience has shown that janitor's closets exhibit contamination, cleaning of janitors closets and bathrooms will be performed prior to sampling these areas. All chemicals and materials located within the janitors closets shall be appropriately lab packed and disposed of prior to cleaning.

Confirmation sampling will be provided in areas that were cleaned.

All mats in the public areas on all floors will be removed and disposed of.

Items encountered in rooms that are to be cleaned on levels other than the basement will be handled according to the procedure for dealing with items in cleaned rooms (attached).

Analytical results of a sample taken in the Directors Office indicate the presence of PCB contamination. This area shall be emptied & cleaned in accordance with the cleaning procedures for basement rooms B1, B6, B7 & B8 mentioned above.

Additional Sampling

Rooms 231, 201, 307, 316, 317, 320, 321 & 322 had hits above .2 micrograms per 100 square centimeters. Because the protocol utilized a composite sample from 4 surfaces then there is a potential that one of these surfaces tested may have exceeded the established occupancy criteria of 1 microgram per 100 centimeters squared. To confirm that the highest existing concentration is the occupancy criterion, four additional samples shall be taken in each of these rooms. Each wipe sample shall include an area of 900 centimeters squared, and shall be from a high contact horizontal surface which has not been wiped in a previous sampling.

Rooms B1, B6, B7 & B8 shall be sampled with the protocol mentioned above prior to moving any of the contents or initiation of cleaning activities in these rooms. Analytical results of these samples will verify the original sampling results for these rooms.

Documentation of Items Disposed

The Clean Harbors on site representative will document State property that is disposed of (i.e. rugs, tools, maintenance supplies). All personal possessions will be bagged and stored in a clean secure location restricted from public access.

Related Procedures Included With This Plan

1. Industrial Washing Procedure
2. Procedure for Pressure Washing Vault With Penetone
3. Procedure for Dealing With Items in Cleaned Rooms

Attachments

- A. Scudder Wipe Sample Map
- B. Carpeted / Tile Floors (Level of Protection)

STATE UNIVERSITY OF NEW YORK
NEW PALTZ
PRESSURE WASHING VAULTS WITH PENETONE 2389
PAGE 1.0 REV. 1.0
2/13/92

PURPOSE: To perform secondary washings on transformer vaults to remove surface PCB and dioxin/furan contamination.

APPLICATION: To apply the Penetone 2389 to the transformer vault surfaces use a high pressure steam washing unit (about 2000 psi at nozzle with 30 degree fan holding less than 6 inches from surface) with a solvent injection fixture. Since this unit produces carbon monoxide, as well as other noxious vapors, it will be operated outside the building but within 200 feet of the vault. The Penetone 2389 should be applied using the solvent injection fixture. If the rate of addition is adjustable it should be adjusted to between 1 part Penetone to 5 to 10 parts of water/steam. It should be noted that at this concentration the mixture is extremely corrosive and will produce a slippery feeling when applied to unprotected skin. Contact with skin should be avoided at all costs and overspray into unaffected areas avoided as well. Collection of all wash solutions as well as rinse solutions should be immediate, since this is a very good solvent which will make the PCB mobile and therefore if not properly handled will spread the PCBs as well as it removes it from surfaces. To collect the wash and rinse water the remainder of the wash and rinse crew should consist of two additional individuals. The first crew member will apply the solutions to the contaminated surfaces, the second member will herd the solutions on the floor to the third individual whom equipped with a vacuum system will immediately collect the wash and rinse solutions. The collected wash and rinse solutions should be stored in suitable containers for PCB liquid transportation and disposal.

PROCEDURES - PCB CLEANUP
REVISION 2.0
JANUARY 27, 1992
PAGE 1

INDUSTRIAL WASHING - To be used in areas that are to be occupied

Using a solution of water, trisodium phosphate, and a commercially available detergent (which has good surfactant characteristics) prepare to enter the work zone under the proper level of protection. Additional materials and equipment include spray units (such as those used to apply chemicals to gardens), sponge mops, long handled brushes (with relatively stiff bristles), 3 five gallon buckets (or equivalent), 17C drums for storage of wash and rinse water, 17H drums for storage of used brushes and mops.

Step 1. Remove all articles from the work area. Mats, clothing, towels etc. located on the floor should be containerized for disposal while larger items such as furniture should be relocated onto polyethylene sheeting for later evaluation. Inventory all discarded materials and provide a written report with any and all serial numbers to the OGS office.

Step 2. Apply cleaning solution to surface to be cleaned with either a sponge mop or brush. Do not use excessive wash solution but make sure the area is thoroughly wetted and the solution thoroughly worked into the surface. If additional solution is required on the sponge or brush it must be dipped into a rinse bucket of water before it is dipped into the wash solution bucket to avoid contamination of the wash solution. The rinse solution bucket and wash solution bucket contents should be changed frequently to avoid the spread of the contaminant. The mop or brush should be discarded on a regular basis and replaced with a new unit frequently to avoid cross contamination. All work should progress from the upper levels of the building to the lower levels or the lowest contamination level to the highest. Deviations from this plan will be made on a case by case basis. Avoid traffic in washed areas.

Step 3. Rinse the solution with a bucket of water and mop. The mop should not have been used in the washing step. The water and mop should be discarded and replaced frequently to avoid cross contamination. Avoid traffic in these areas until dry and samples have been obtained, if necessary.

SCANDER HALL

BASE PRAT

Minneapolis-Honeywell

File A1990s

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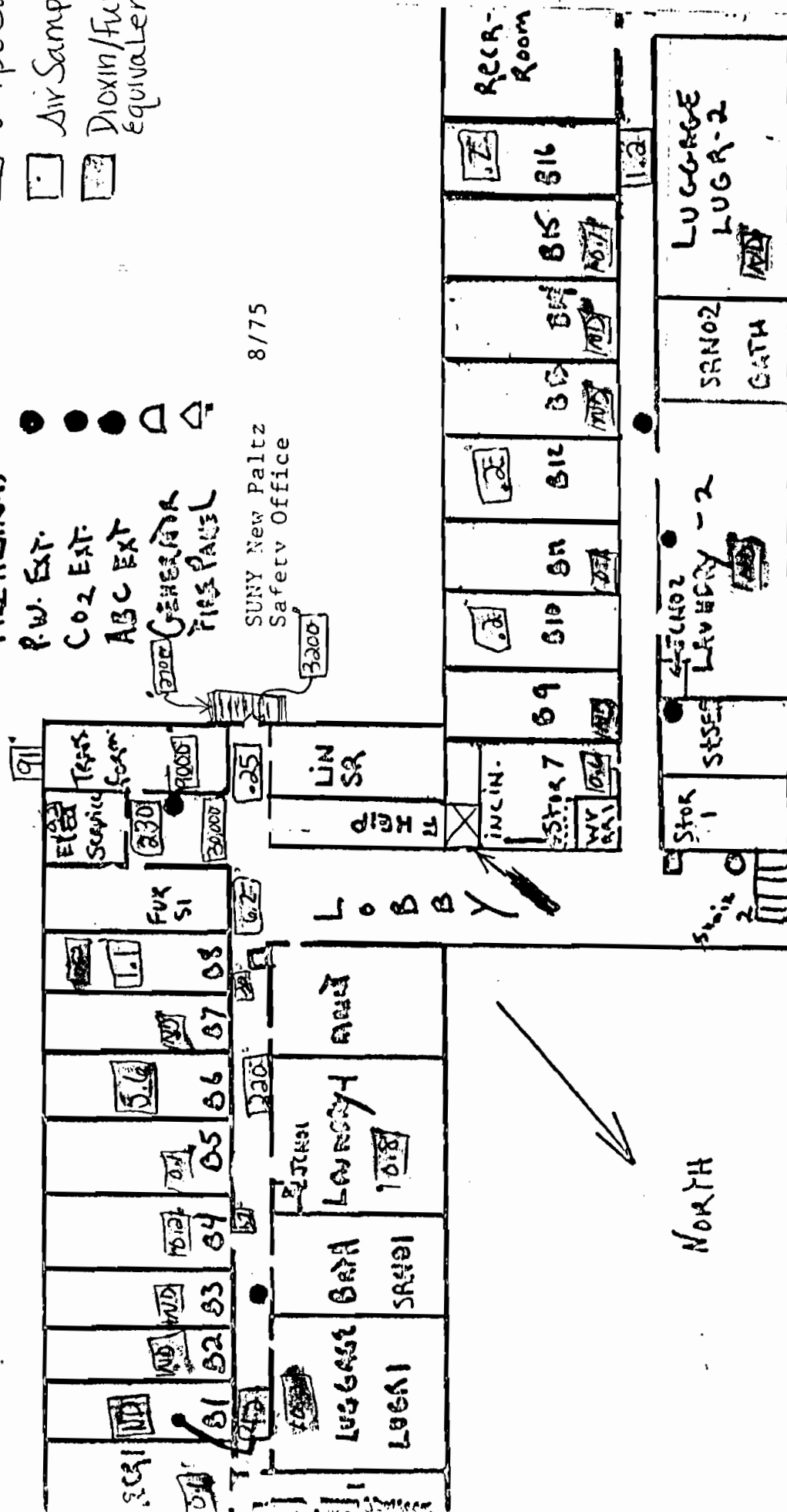
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SUNY New Paltz
Safety Office

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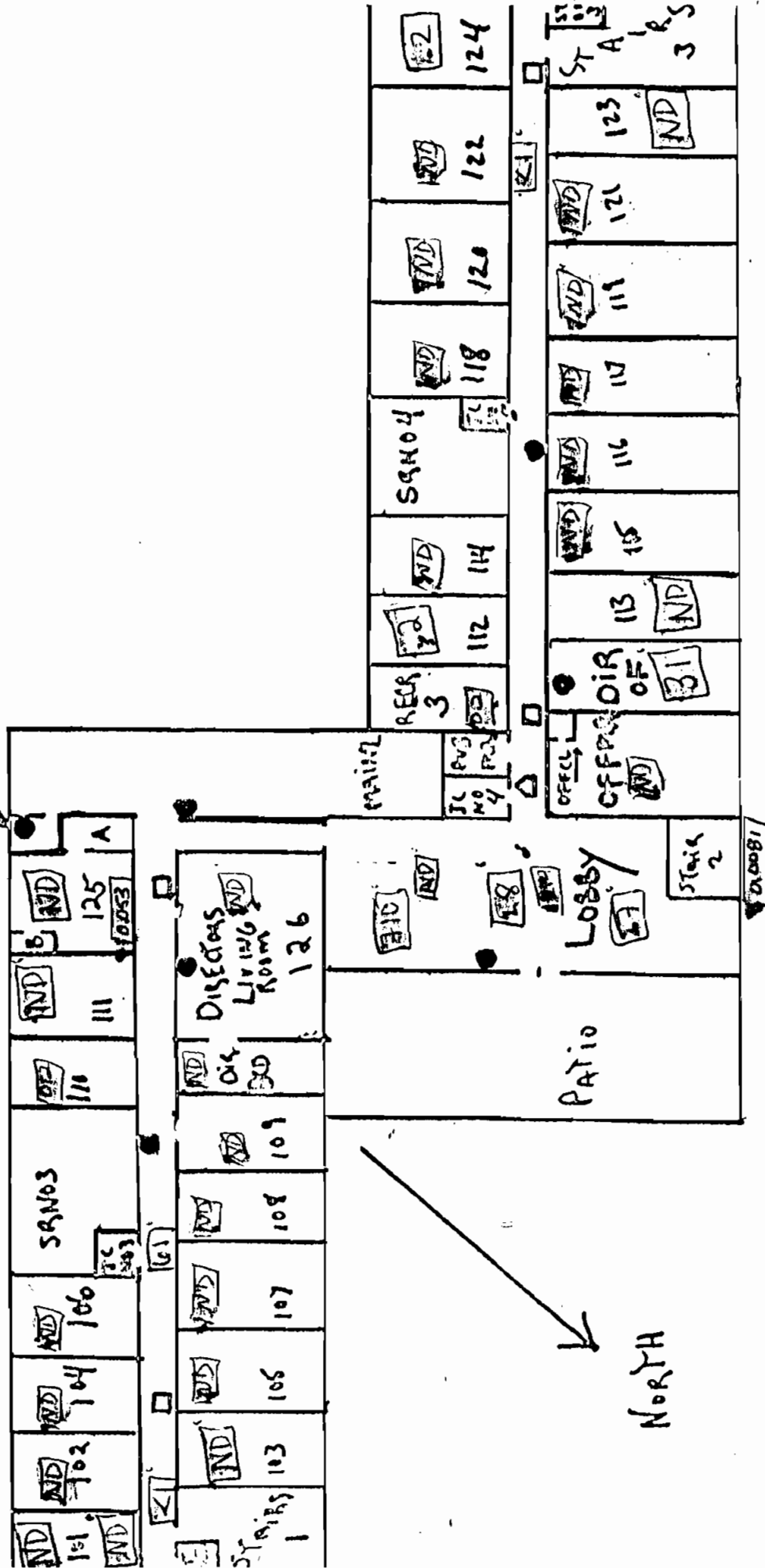
	Wipe Sample
	Air Samples
	Dioxin/Furan Equivalents

Note 4.2 Taken from floor of B1.

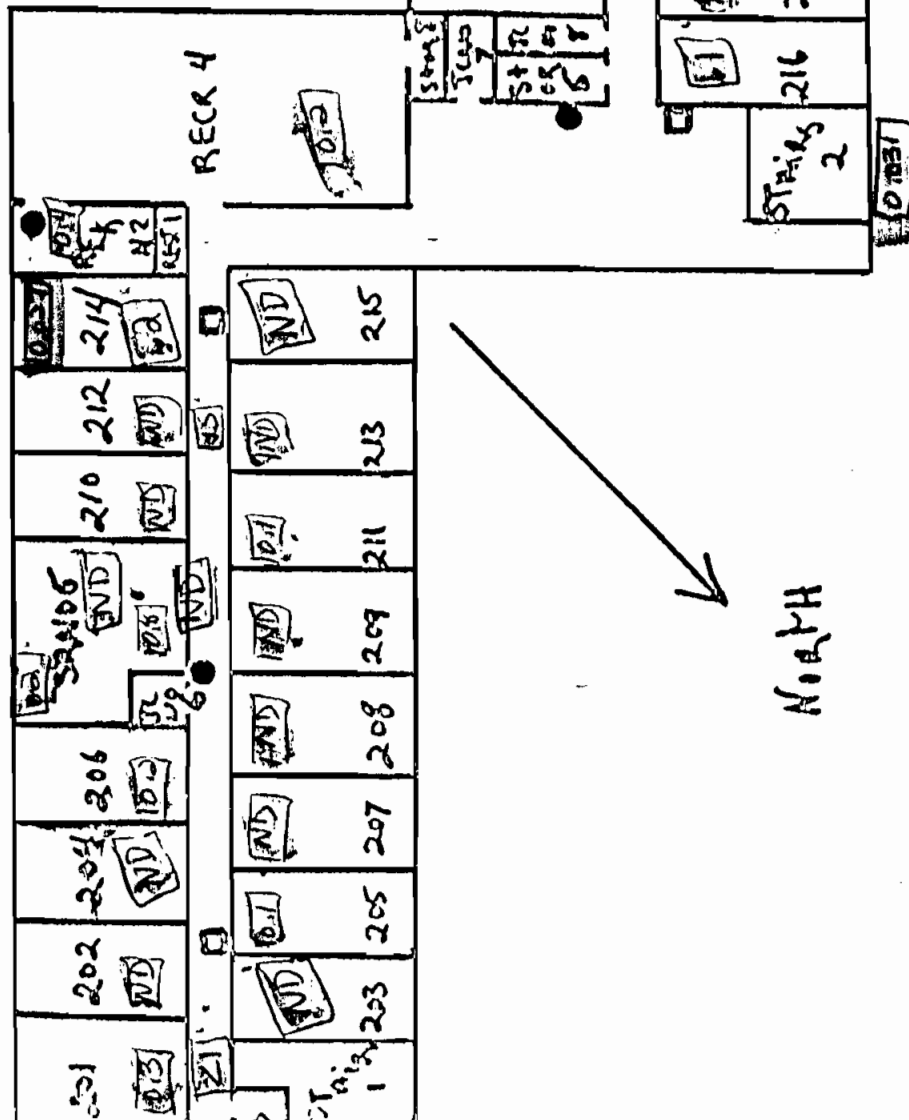


Work

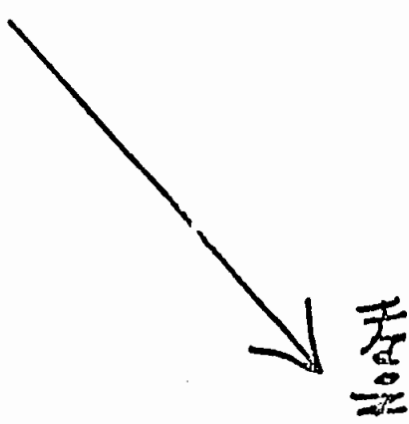
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Scudder Hall - Second Floor



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Building # 20 (SH)

SCANDER HALL

BASE PREP

Minneapolis-Honeywell

Five All Stars

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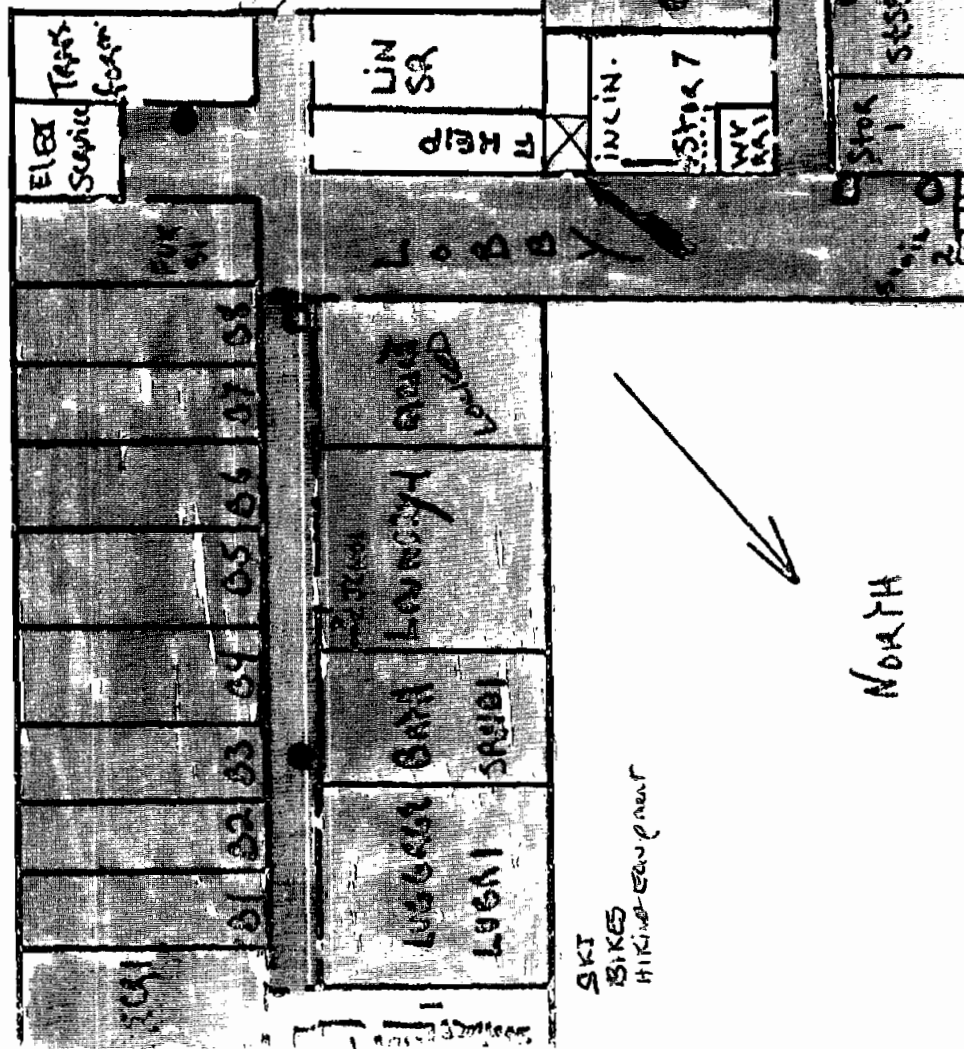
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Safety Office



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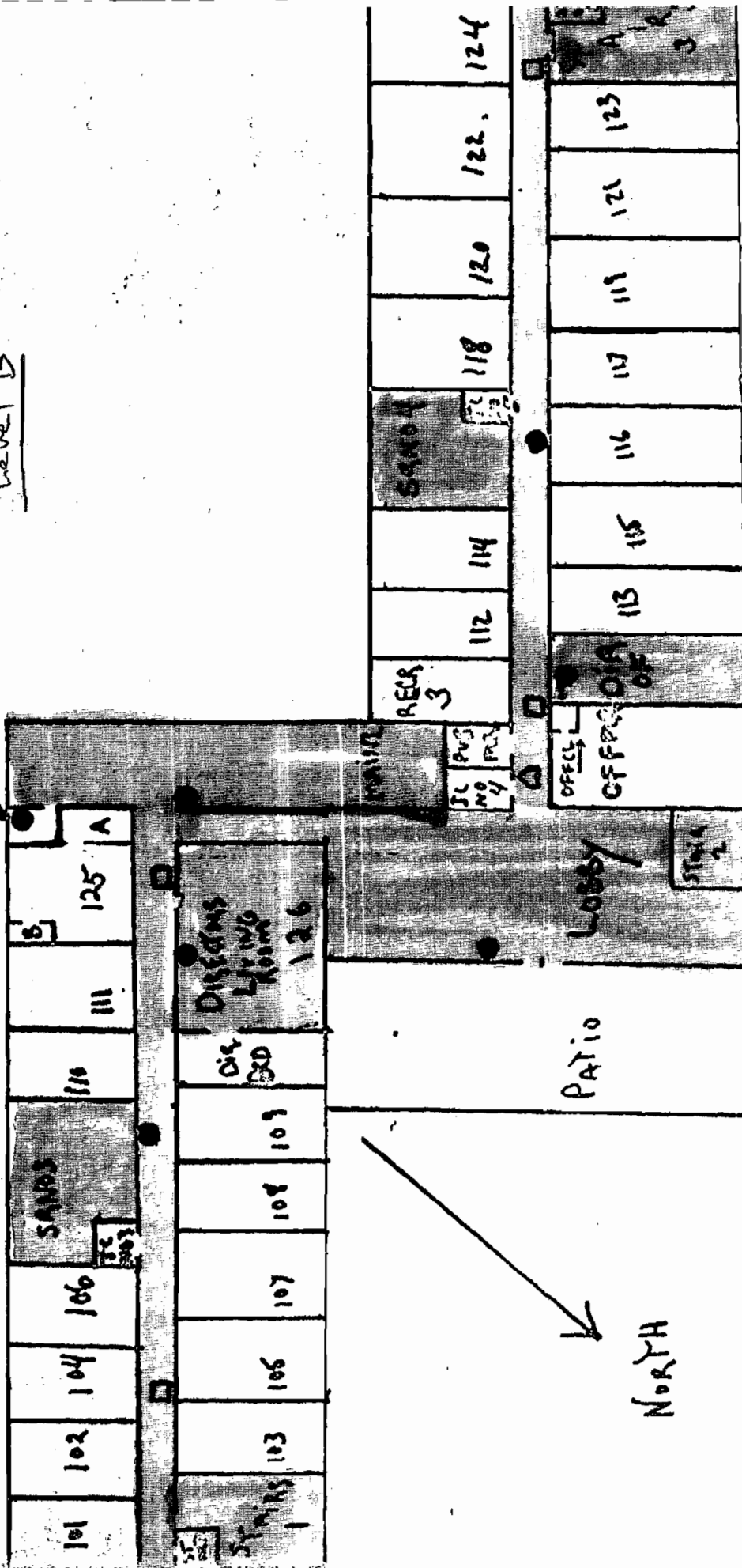
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SCUDDER HALL

FIRST FLOOR

Level B

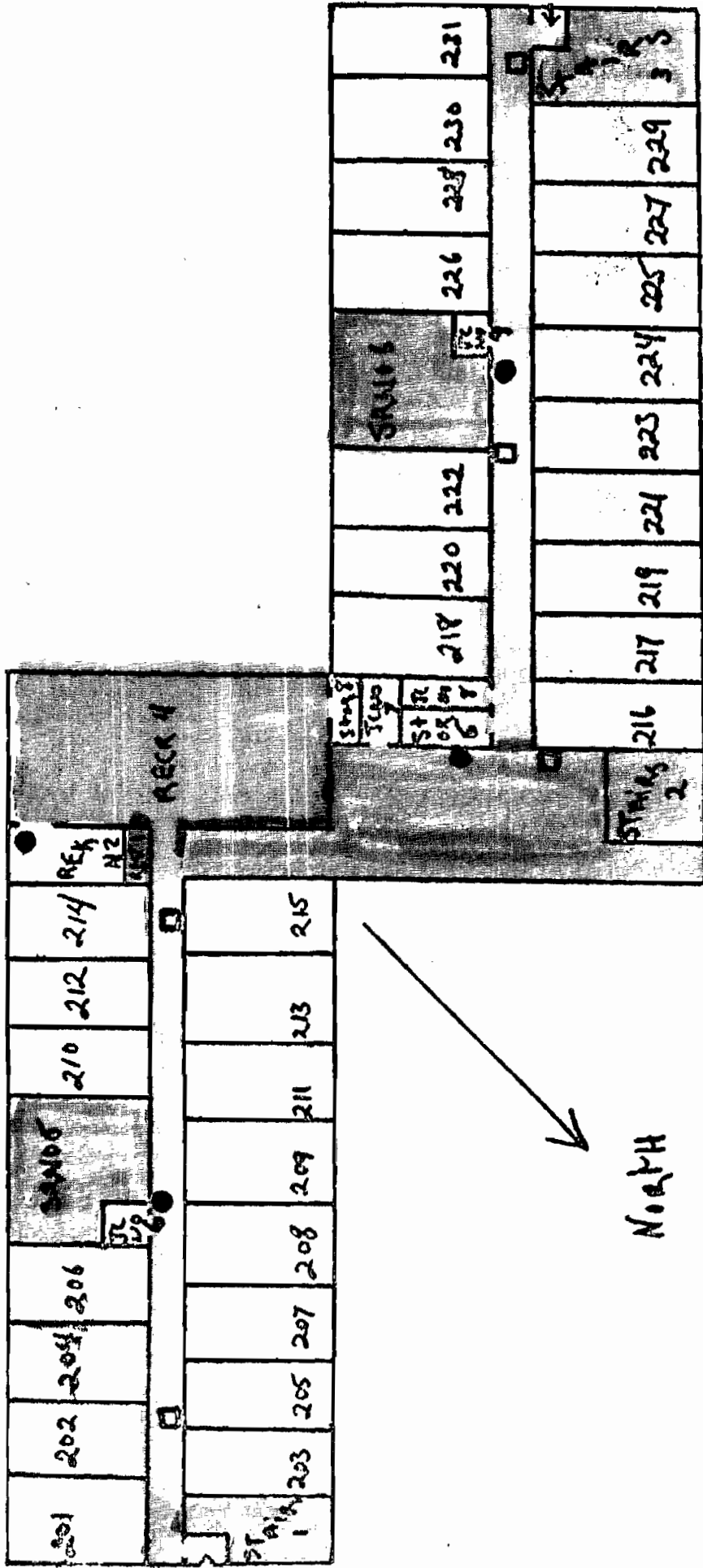
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CARPET

TILE

Scudder Hall - Second Floor



CARPET

TILE

Sewer Hall - Third Floor

301	303	305	307	310	312	314	315
302	304	306	308	309	311	313	315
316	317	319	321	323	324	325	327
318	320	322	324	326	328	330	331

North

SCANDER HALL

BASE TREAT

FILE ALPHAS

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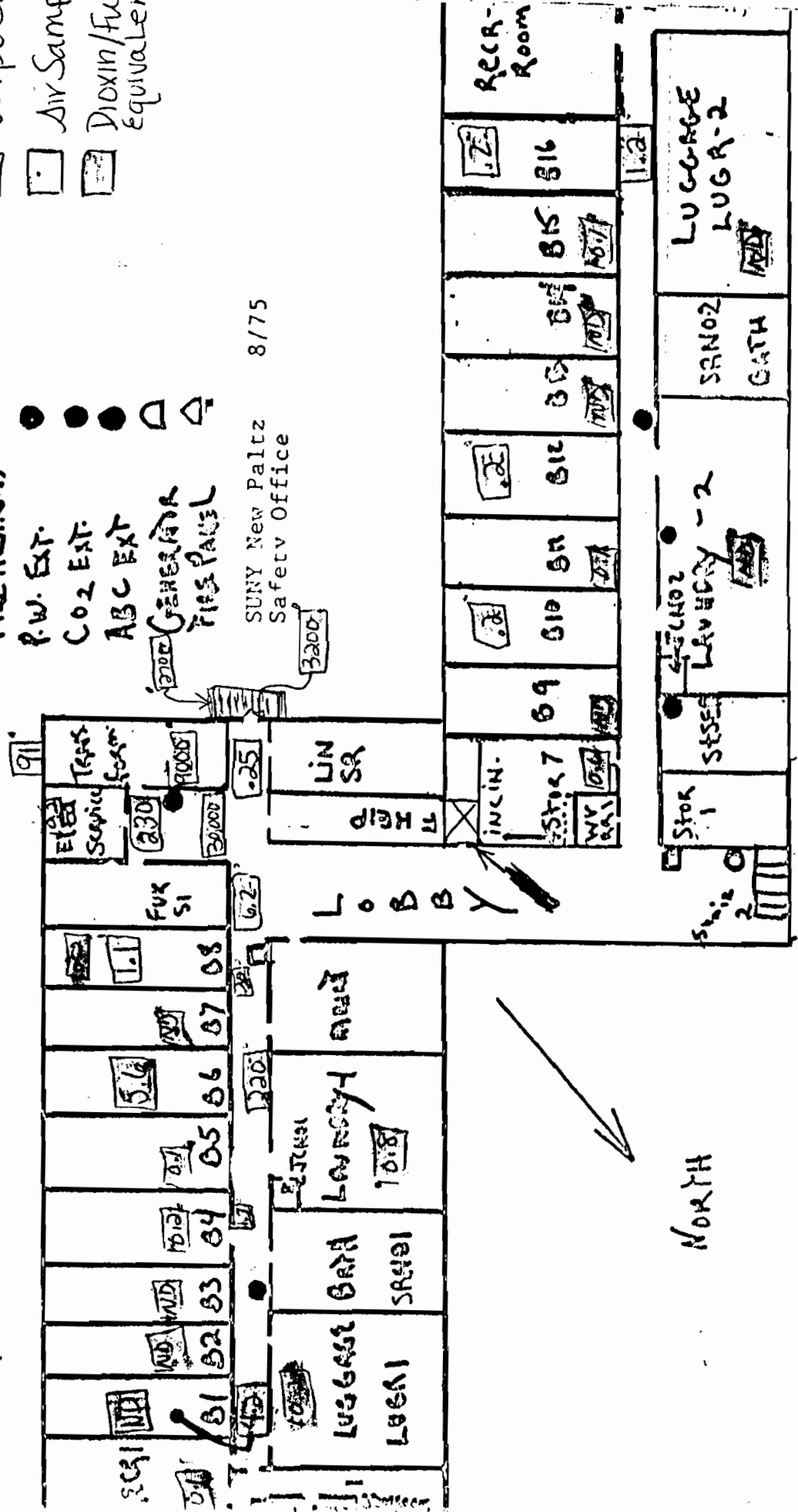
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Wipe Samp.

Air Samples

Dioxin/Furan
equivalents

Note 4.2 Taken from floor of B1.

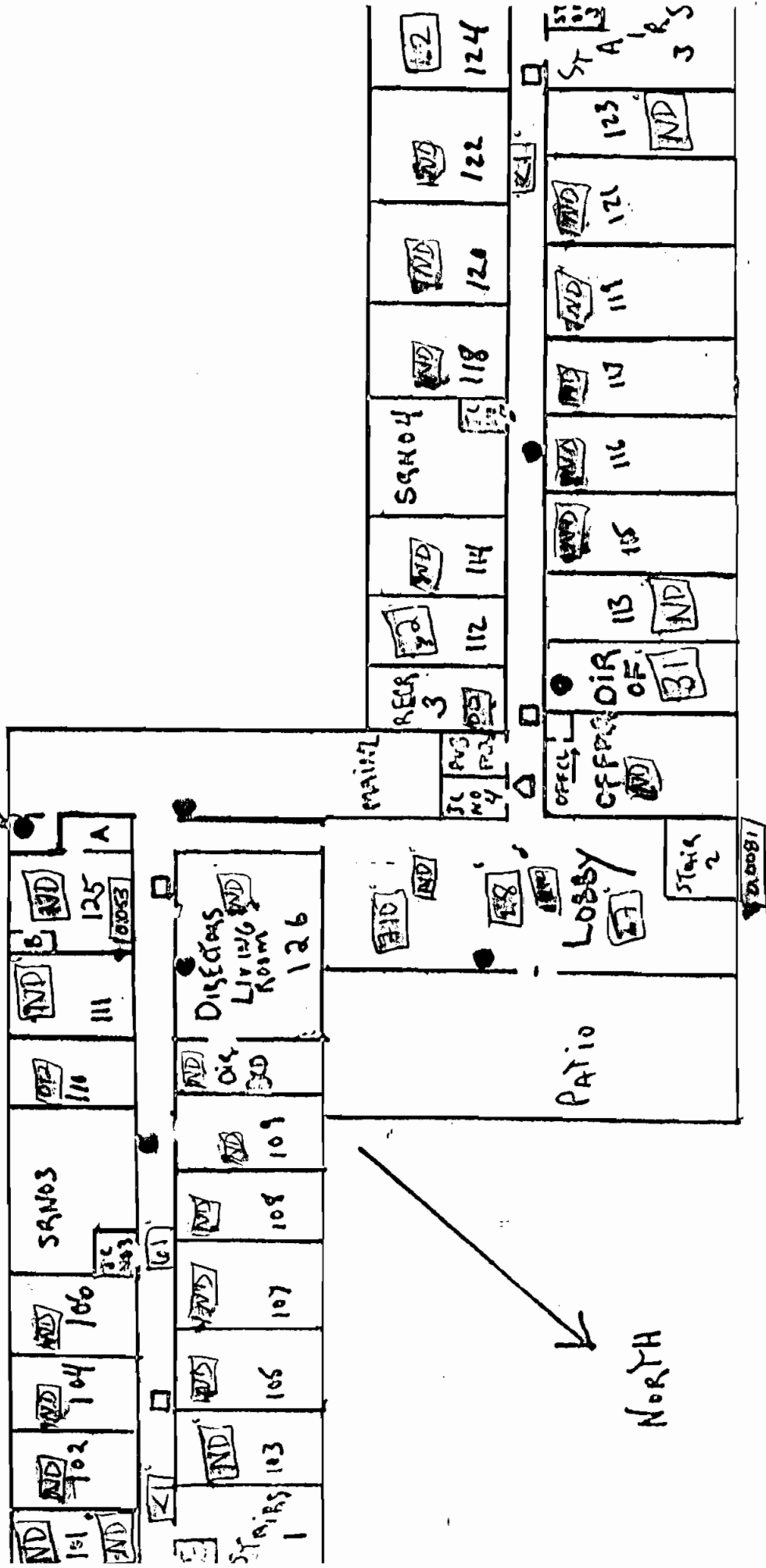


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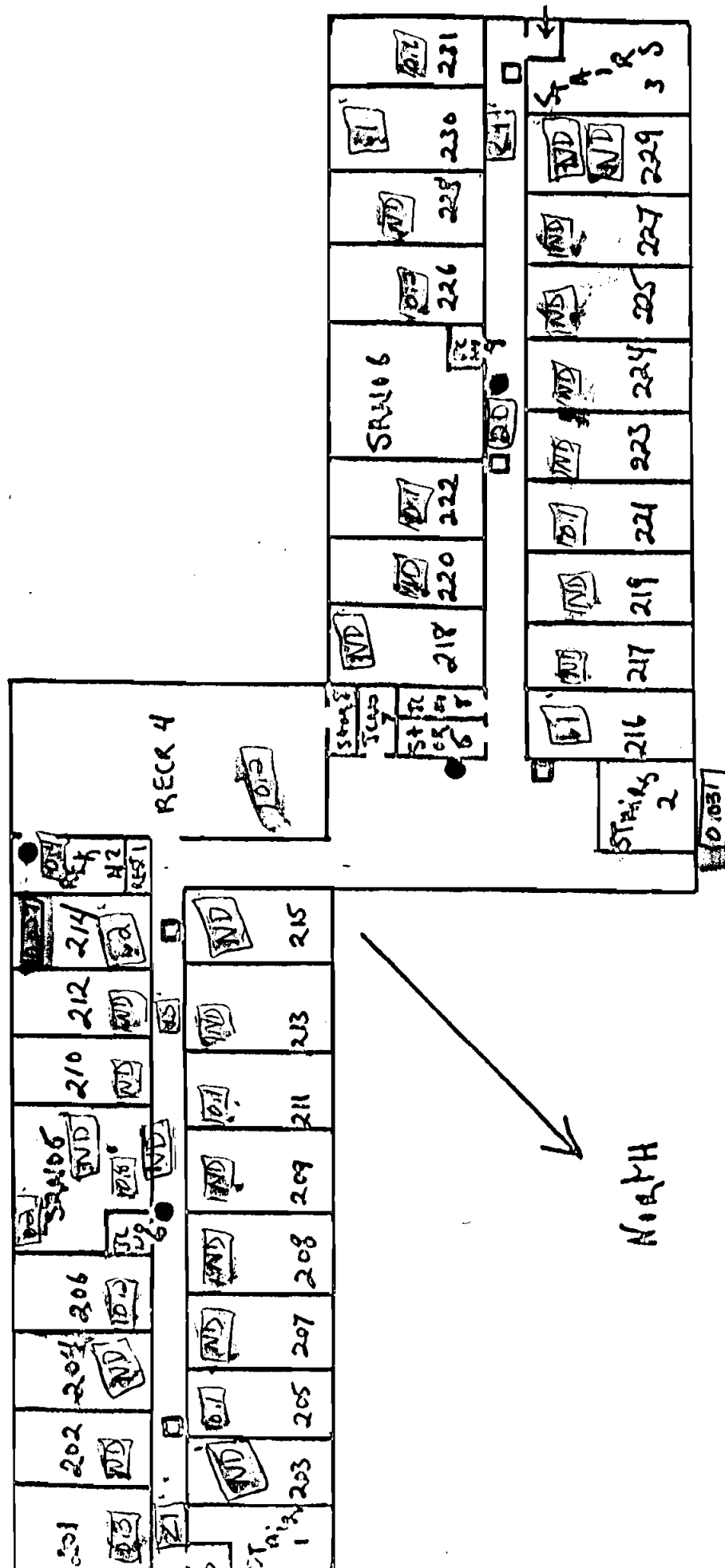
Scudder Hall

First Floor

REKIT



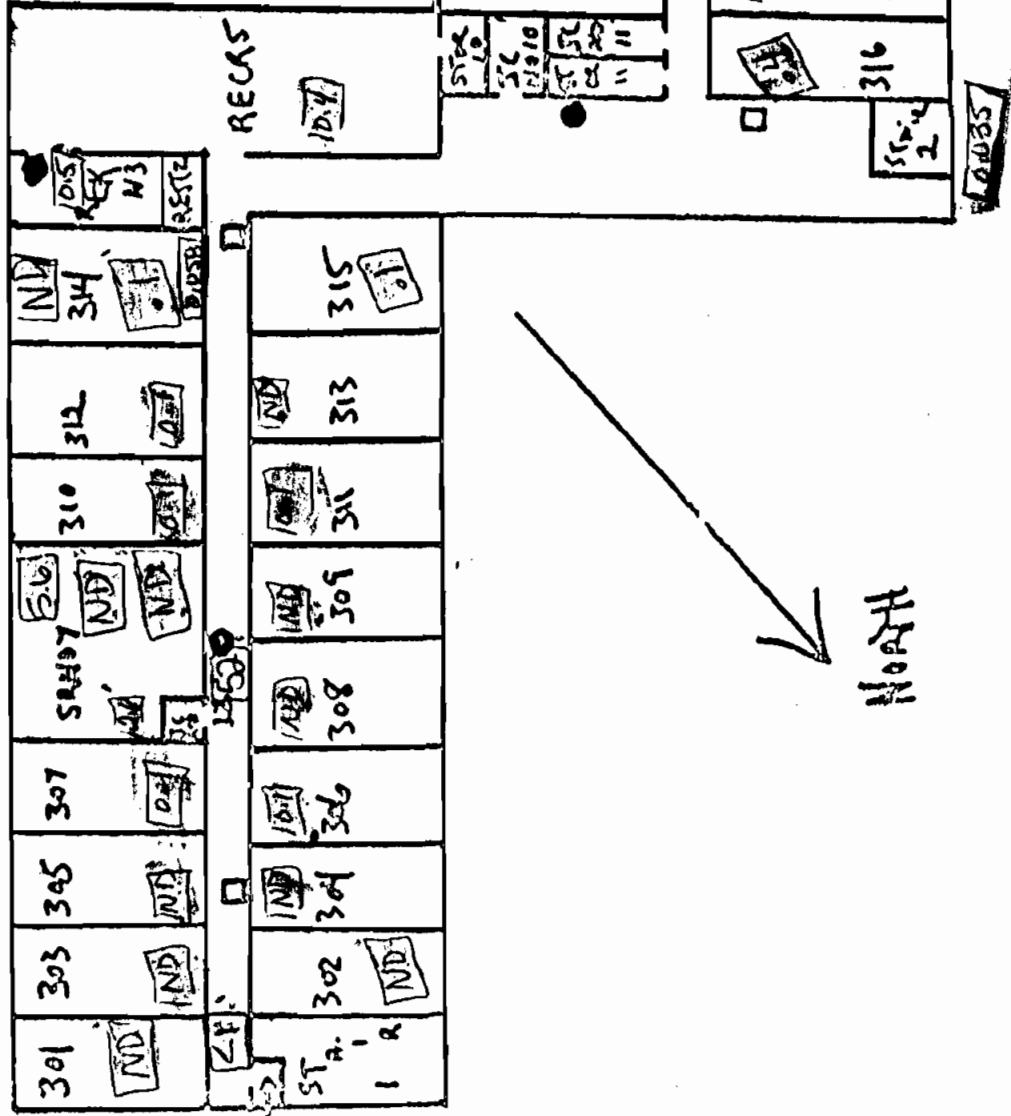
SCUDDER HALL - SECOND FLOOR



127

NORTH

Sewer Hall - Third Floor



SCANDER HALL

BASEMENT

Minneapolis-Honeywell

FILE ALARMS

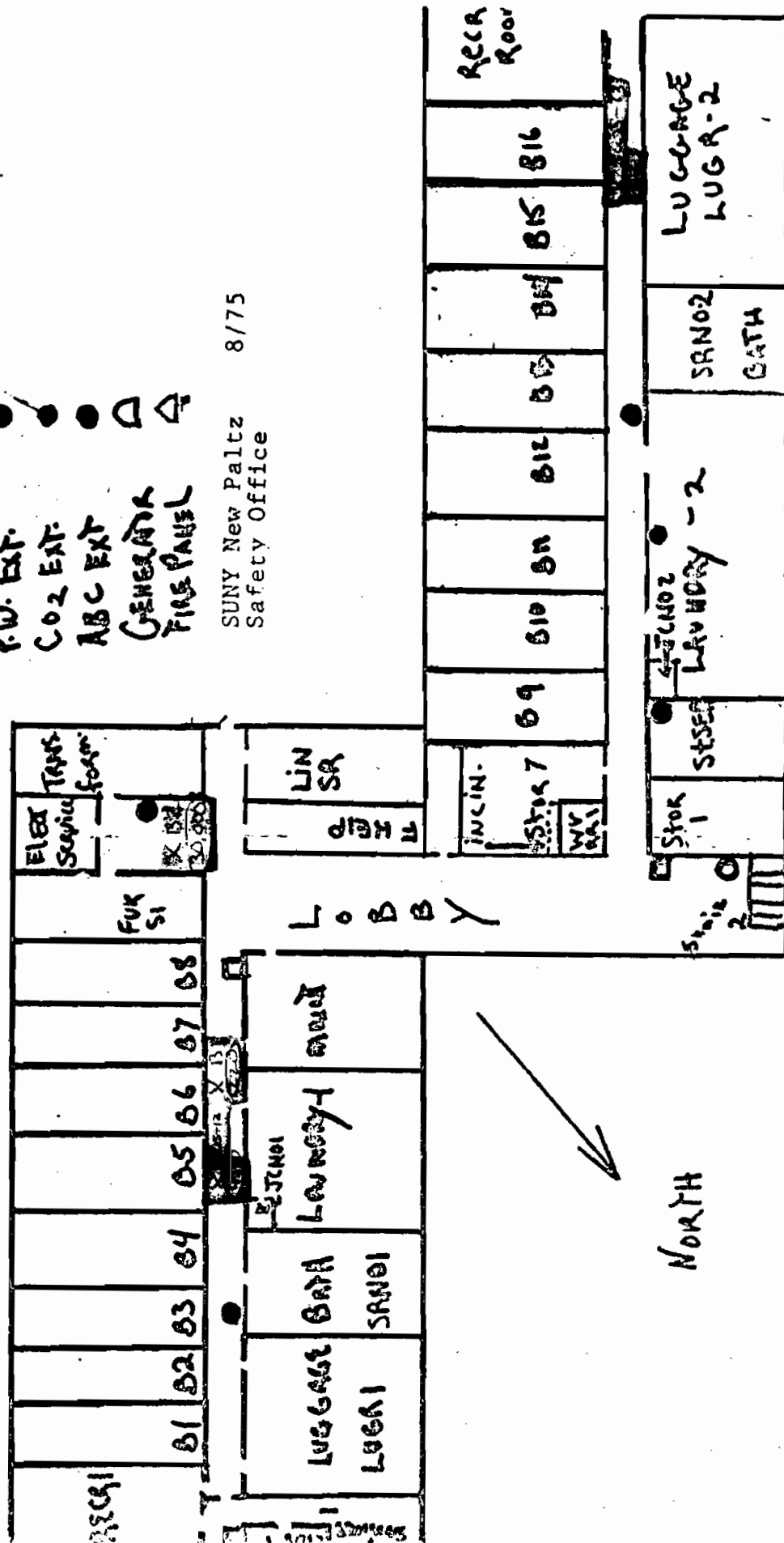
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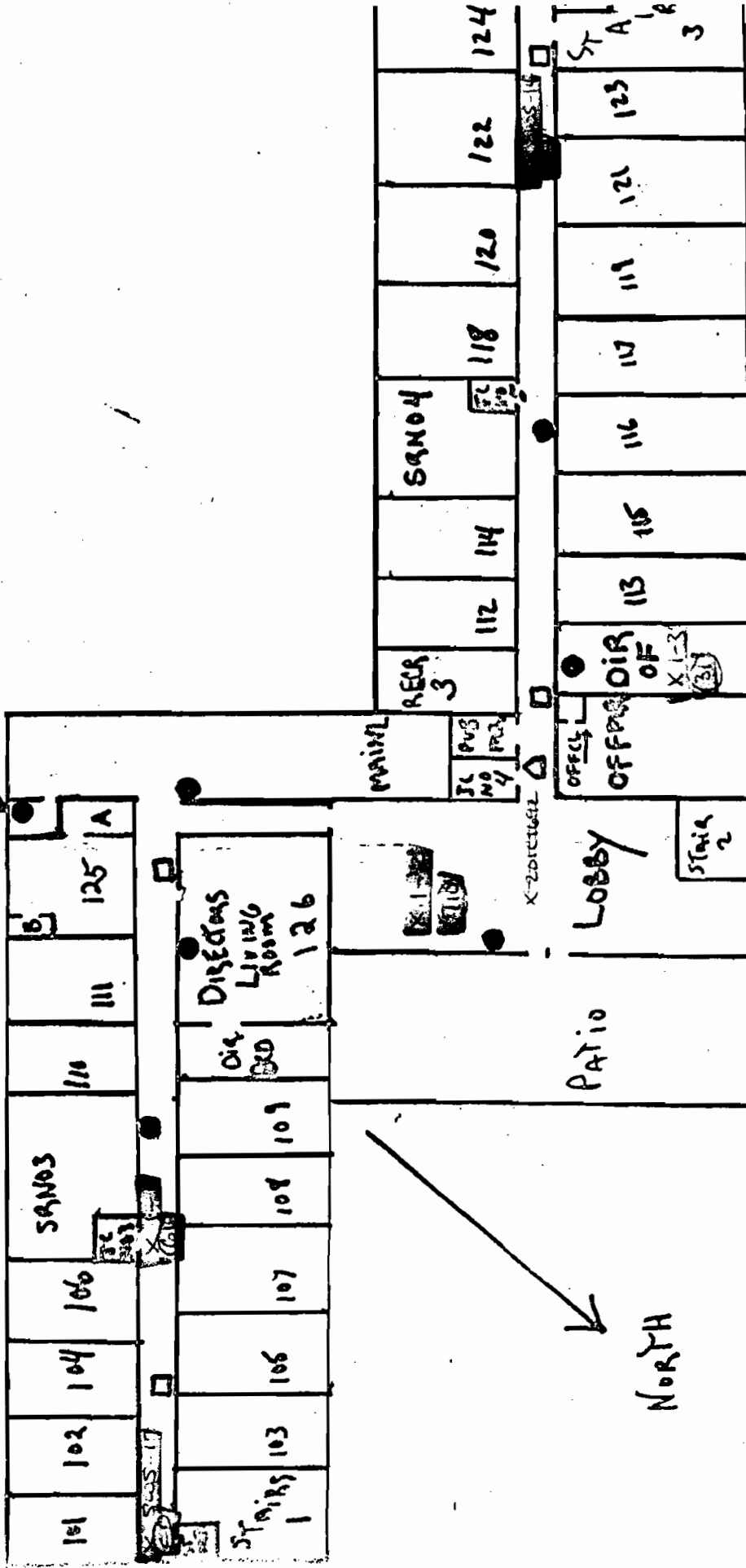
SUNY New Paltz
Safety Office



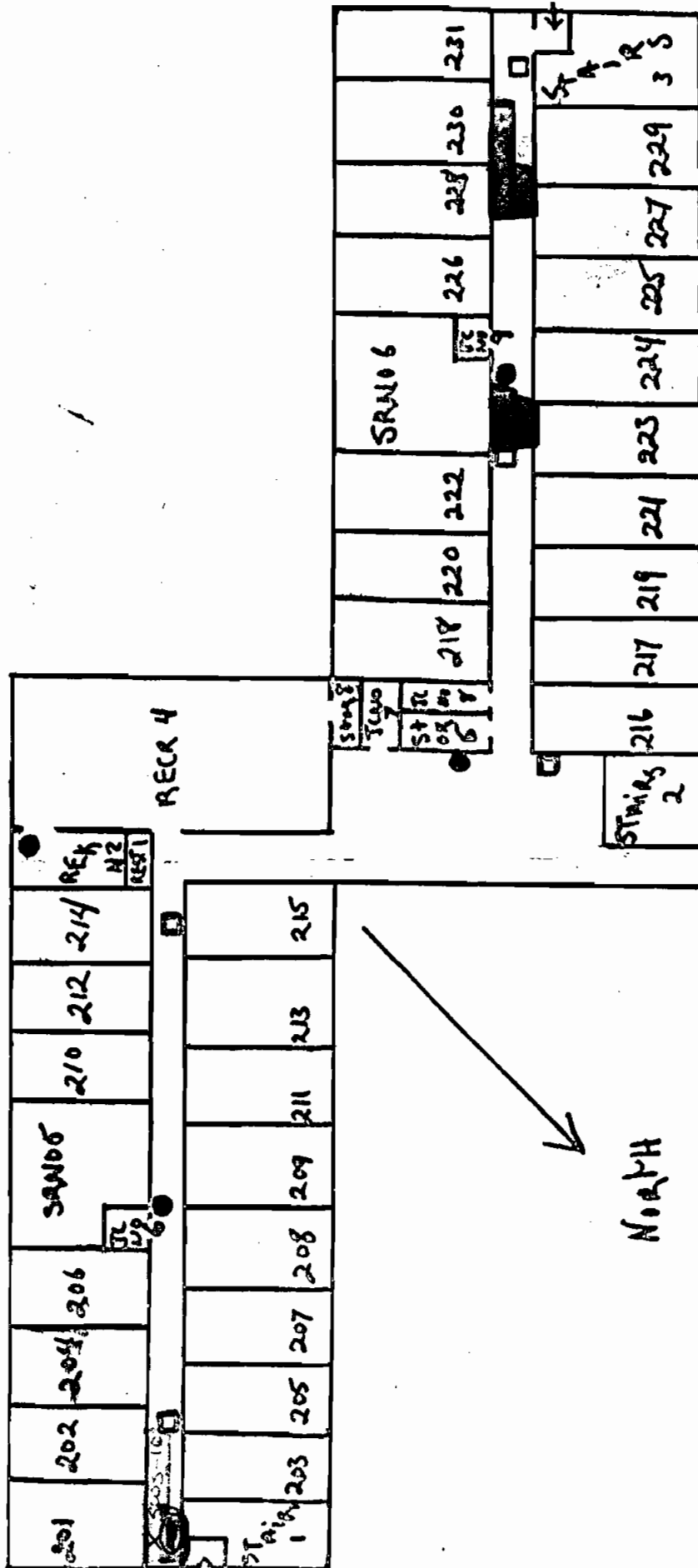
SCUDDER HALL

First Floor

REKIT



Scudder Hall - Second Floor



A hand-drawn map of a building layout, oriented with North at the top. The map shows several rooms and corridors, each labeled with a number or text.

Rooms and Labels:

- Top Row (Left to Right):** 301, 303, 305, 307, 309, 311, 313, 315. Below 301 is "ST. A. 1 R".
- Second Row (Left to Right):** 302, 304, 306, 308, 310, 312, 314. Below 302 is "ST. A. 1 R".
- Third Row (Left to Right):** 300, 302, 304, 306, 308, 310, 312, 314. Below 300 is "ST. A. 1 R".
- Fourth Row (Left to Right):** 301, 303, 305, 307, 309, 311, 313, 315. Below 301 is "ST. A. 1 R".
- Corridors and Other Labels:**
 - Between 301 and 302: "ST. A. 1 R".
 - Between 302 and 304: "ST. A. 1 R".
 - Between 304 and 306: "ST. A. 1 R".
 - Between 306 and 308: "ST. A. 1 R".
 - Between 308 and 310: "ST. A. 1 R".
 - Between 310 and 312: "ST. A. 1 R".
 - Between 312 and 314: "ST. A. 1 R".
 - Between 314 and 315: "ST. A. 1 R".
 - Between 301 and 302: "ST. A. 1 R".
 - Between 302 and 304: "ST. A. 1 R".
 - Between 304 and 306: "ST. A. 1 R".
 - Between 306 and 308: "ST. A. 1 R".
 - Between 308 and 310: "ST. A. 1 R".
 - Between 310 and 312: "ST. A. 1 R".
 - Between 312 and 314: "ST. A. 1 R".
 - Between 314 and 315: "ST. A. 1 R".

Orientation: An arrow points to the top of the map, labeled "North".

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ANALYTICAL SERVICES
325 WOOD ROAD, BRAINTREE, MA 02184
(617) 849-6070

REPORT OF ANALYSIS

Clean Harbors of Kingston, Inc.
New York Division
P.O. Box 1812
Albany, NY 12201

Project: SUNY - NEW PALTZ COLLEGE
P.O. #: A-8820

Date Received: 12/31/91
CHAS Lab #: 9112302

Attn: Mr. George Cebula

Enclosed are the results for the sample(s) delivered to our laboratory on the date indicated above.

The methods listed represent those methodologies which were used to develop the best analytical techniques. Analytical results and quality assurance protocols are based on these guidelines. These meet the requirements for the reporting of results under the RCRA, NPDES and Safe Drinking Water Act regulations.

Clean Harbors Analytical Services has an active program of quality assurance and quality control. The program closely follows the guidance provided in the EPA Contract Laboratory Program Statement of Work (organic and inorganic), the guidance provided in SW-846, and many other pertinent documents.

Should you have any questions concerning this work, please do not hesitate to contact me.

The information contained in this report is, to the best of my knowledge, accurate and complete.

Per/Date: Robert E. Bentley 12 Jan. 92
Robert E. Bentley
Laboratory Manager



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: B-1, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-01N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	10	ND	ug/100 sq cm
PCB - Aroclor 1221	10	ND	ug/100 sq cm
PCB - Aroclor 1232	10	ND	ug/100 sq cm
PCB - Aroclor 1242	10	ND	ug/100 sq cm
PCB - Aroclor 1248	10	ND	ug/100 sq cm
PCB - Aroclor 1254	10	ND	ug/100 sq cm
PCB - Aroclor 1260	10	220	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: B-2, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-06N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1000	ND	ug/100 sq cm
PCB - Aroclor 1221	1000	ND	ug/100 sq cm
PCB - Aroclor 1232	1000	ND	ug/100 sq cm
PCB - Aroclor 1242	1000	ND	ug/100 sq cm
PCB - Aroclor 1248	1000	ND	ug/100 sq cm
PCB - Aroclor 1254	1000	ND	ug/100 sq cm
PCB - Aroclor 1260	1000	30,000	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: 1-1, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-02N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	61	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: 1-2, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-05N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	100	ND	ug/100 sq cm
PCB - Aroclor 1221	100	ND	ug/100 sq cm
PCB - Aroclor 1232	100	ND	ug/100 sq cm
PCB - Aroclor 1242	100	ND	ug/100 sq cm
PCB - Aroclor 1248	100	ND	ug/100 sq cm
PCB - Aroclor 1254	100	ND	ug/100 sq cm
PCB - Aroclor 1260	100	710	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: 1-3, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-04N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	31	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: 2-1, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-07N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	20	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: 3-1, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9112302-03N
Date Received: 12/31/91

Polychlorinated Biphenyls (PCBs)

Extraction Date: 12/31/91
Analysis Date: 12/31/91

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	52	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



QUALITY CONTROL

REPORT OF ANALYSIS

CHAS LAB. NO. 9112302

The attached quality control data was generated during the analysis of these samples. The sample data has been corrected for analytes found in the blank (if any). Corrections were performed in accordance with the procedures as stated in the Clean Harbors Analytical Laboratory QA/QC Manual and pertinent SOP's, which are available for review. This data is submitted for informational purposes only.



Client: Clean Harbors of Kingston, Inc.

CHAS Lab #: 9112302

Polychlorinated Biphenyls (PCB's) Blank

Extraction Date: 12/31/91

Analysis Date: 01/01/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Note: ND - Below minimum detectable level (MDL)
Soil/solid sample results based on sample dry weight

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-10, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201009-10N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-11, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201009-11N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND = Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



QUALITY CONTROL

REPORT OF ANALYSIS

CHAS LAB. NO. 9201009

The attached quality control data was generated during the analysis of these samples. The sample data has been corrected for analytes found in the blank (if any). Corrections were performed in accordance with the procedures as stated in the Clean Harbors Analytical Laboratory QA/QC Manual and pertinent SOP's, which are available for review. This data is submitted for informational purposes only.



Client: Clean Harbors of Kingston, Inc.

CHAS Lab #: 9201009

Polychlorinated Biphenyls (PCB's) Blank

Extraction Date: 01/02/92

Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Note: ND = Below minimum detectable level (MDL)
Soil/solid sample results based on sample dry weight

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



✓ 1/2/92 8d
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Clean Harbors Analytical, 213 Burlington Rd., Bedford, MA 01730			CHAIN OF CUSTODY RECORD		Sample Custodian - (617) 275-6111		Page 1 of 4		
Client: CHI - ALBANY		Project Name: SUNY - NEW PACTS College Project P.O. #: A8820		Date: 1/2/92					
Report To: CHI - ALBANY		Address: PO BOX 1812 ALBANY, NY 12201		Phone: (518) 434-0149					
Invoice To: CHI - ALBANY		Address: "		"					
Date Samples Collected: 1/1/92		by: DEH/SUM/LEE		Date Samples Received: 1-2-92					
Airbill/Bill of Lading? Y (N)		NOTE: Samples received unpreserved will be preserved upon arrival at CHAS. Samples were: Preserved (Unpreserved)							
Sampling Information			Analysis				# of con.	Comments (Special instructions, cautions, etc.)	CHAS Sample #
Date	Time	Station Location	Sample Type						
SWS-1	1/1/92 9:30 am	Hearing bldg	wipe	✓				1	KD 1/2
SWS-2		Admin Unit		✓				1	01N
SWS-3		Student Union		✓				1	02N
SWS-4		Westter		✓				1	03N
SWS-5		Westter		✓				1	04N
SWS-6		former library		✓				1	05N
SWS-7		old main		✓				1	06N
SWS-8		Health Center		✓				1	07N
SWS-9		CAPEN HILL		✓				1	08N
SWS-10		Sunderland hall		✓				1	09N
SWS-11		Sunder hall		✓				1	10N
Relinquished by: Jeff Miller			VOA Vial						
Date: 1/2/92 Time: 5:45			Glass Bottle						
Received by: R. New			Plastic Bot.						
Date: 1/2/92 Time: 6:15			Pres.						
Relinquished by: R. New			Volume						
Date: 1/2/92 Time: 12:45									
Received by: Brian DeCoudra									
Date: 1/2/92 Time: 12:45									
REMARKS: (Sample storage, nonstandard sample bottles, special instructions) Various PCG wipe samples									
Standard laboratory turnaround time is 2 weeks form date of receipt. Accelerated turnaround may be assessed a surcharge. Accelerated turnaround requested: _____									
Location of samples: LAB									
Turnaround: 24 Hrs 48 Hrs 1 Week 2 Weeks Other: _____									



ANALYTICAL SERVICES
325 WOOD ROAD, BRAINTREE, MA 02184
(617) 849-6070

REPORT OF ANALYSIS

Clean Harbors of Kingston, Inc.
New York Division
P.O. Box 1812
Albany, NY 12201

Project: SUNY - NEW PALTZ COLLEGE
P.O. #: A-8820

Date Received: 01/02/92
CHAS Lab #: 9201010

Attn: Mr. George Cebula

Enclosed are the results for the sample(s) delivered to our laboratory on the date indicated above.

The methods listed represent those methodologies which were used to develop the best analytical techniques. Analytical results and quality assurance protocols are based on these guidelines. These meet the requirements for the reporting of results under the RCRA, NPDES and Safe Drinking Water Act regulations.

Clean Harbors Analytical Services has an active program of quality assurance and quality control. The program closely follows the guidance provided in the EPA Contract Laboratory Program Statement of Work (organic and inorganic), the guidance provided in SW-846, and many other pertinent documents.

Should you have any questions concerning this work, please do not hesitate to contact me.

The information contained in this report is, to the best of my knowledge, accurate and complete.

Per/Date: RAE 1/13/92
Robert E. Bentley
Laboratory Manager



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-12, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-01N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	4.2	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-13, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-02N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	1.2	ug/100 sq cm

Notes: ND = Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-14, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-03N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-15, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-04N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND = Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-16, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-05N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND = Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.



Client: Clean Harbors of Kingston, Inc.
Sample I.D.: SWS-17, SCUDDER HALL
Sample Type: Wipe

CHAS Lab #: 9201010-06N
Date Received: 01/02/92

Polychlorinated Biphenyls (PCBs)

Extraction Date: 01/02/91
Analysis Date: 01/03/92

Parameter	MDL	Concentration	Units
PCB - Aroclor 1016	1.0	ND	ug/100 sq cm
PCB - Aroclor 1221	1.0	ND	ug/100 sq cm
PCB - Aroclor 1232	1.0	ND	ug/100 sq cm
PCB - Aroclor 1242	1.0	ND	ug/100 sq cm
PCB - Aroclor 1248	1.0	ND	ug/100 sq cm
PCB - Aroclor 1254	1.0	ND	ug/100 sq cm
PCB - Aroclor 1260	1.0	ND	ug/100 sq cm

Notes: ND - Below minimum detectable level (MDL)
Wipe Area: 100 sq cm

The sample was mixed with hexane for 5 minutes. The resulting extract was analyzed by GC/ECD following EPA Method 8080.