

**TABLES**

**TABLE 1**  
**PCB BULK SAMPLE SUMMARY OF CAULKS/GLAZES**  
**TOWN OF BOLTON, CT**  
**MUNICIPAL BUILDING**  
**104 NOTCH ROAD**

<i>Sample Number</i>	<i>Location</i>	<i>Material Description</i>	<i>PCB Concentration mg/Kg (ppm)</i>
061611-M-1A	Interior Window Glaze	Room 10	3.2 [0.93]
061611-M-1B	Interior Window Glaze	Basement	ND [0.98]
061611-M-2A	Exterior Window Glaze	Exterior Room 10	2.9 [0.89]
061611-M-2B	Exterior Window Glaze	Exterior Room 17	ND [0.98]
061611-M-3A	Exterior Window Caulk - Gray	Exterior Room 10	2.7 [0.91]
061611-M-3B	Exterior Window Caulk - Gray	Exterior Room 17	71 [9.4]

ND = None Detected  
[Reporting Limit]

**TABLE 2**  
**PCB BULK SAMPLE SUMMARY SUBSTRATE MATERIAL**  
**TOWN OF BOLTON, CT**  
**MUNICIPAL BUILDING**  
**104 NOTCH ROAD**

<i>Sample Number</i>	<i>Material</i>	<i>Associated Bulk Sample No.</i>	<i>Location</i>	<i>PCB Concentration mg/Kg (ppm)</i>
091411-1	Window Brick	061611-M-3A	Room 10	ND [0.091]
091411-2	Window Brick		Room 16	0.11 [0.091]
091411-3	Window Brick		Room 18	0.13 [0.095]
091411-4	Window Brick		Boiler Room	0.11 [0.095]
091411-5	Window Concrete	061611-M-3B	Room 17 (3 <sup>rd</sup> Window)	ND [0.10]
091411-6	Window Concrete	061611-M-3B	Room 17 (4 <sup>th</sup> Window)	ND [0.095]
091411-7	Window Concrete		Boys Lavatory	ND [0.10]
091411-8	Window Concrete		Room 16 (3 <sup>rd</sup> Window)	ND [0.087]

ND = None Detected  
 [Reporting Limit]

**TABLE 3**  
**PCB BULK SAMPLE SUMMARY SOIL MATERIAL**  
**TOWN OF BOLTON, CT**  
**MUNICIPAL BUILDING**  
**104 NOTCH ROAD**

<i>Sample Number</i>	<i>Material</i>	<i>Location</i>	<i>Sample Date</i>	<i>Depth of Sample (In)</i>	<i>Distance From Building (Ft)</i>	<i>PCB Concentration mg/Kg (ppm) *</i>
091411-1	Soil	Room 17 (4 <sup>th</sup> Window from Left)	9/14/11	1-2	1	0.56 [0.13]
<b>091411-2</b>	<b>Soil</b>	<b>Room 17 (5<sup>th</sup> Window from Left)</b>	<b>9/14/11</b>	<b>1-2</b>	<b>1</b>	<b>1.4 [0.12]</b>
091411-3	Soil	Room 17 (1 <sup>st</sup> Window from Left)	9/14/11	1-2	1	0.53 [0.13]
091411-4	Soil	Boys Lavatory (8 <sup>th</sup> Window from Left)	9/14/11	1-2	1	0.18 [0.13]
091411-5	Soil	Office (10 <sup>th</sup> Window from Left)	9/14/11	1-2	1	ND [0.12]
091411-6	Soil	Room 16 (3 <sup>rd</sup> Window from Left)	9/14/11	1-2	1	ND [0.12]
091411-7	Soil	Room 18 (Left Side)	9/14/11	1-2	1	0.15 [0.12]
102011-1	Soil	Room 17 (5 <sup>th</sup> Window from Left)	10/20/11	1-2	3 (right side)	0.82 [0.14]
102011-2	Soil	Room 17 (5 <sup>th</sup> Window from Left)	10/20/11	1-2	3 (left side)	0.69 [0.13]
102011-3	Soil	Room 17 (5 <sup>th</sup> Window from Left)	10/20/11	1-2	5 (right side)	0.70 [0.14]
102011-4	Soil	Room 17 (5 <sup>th</sup> Window from Left)	10/20/11	1-2	5 (left side)	0.42 [0.13]
102011-5	Soil	Room 17 (5 <sup>th</sup> Window from Left)	10/20/10	6-12	1	ND [0.12]

ND = None Detected  
[Reporting Limit]

**TABLE 4  
EXCLUDED PCB PRODUCTS INVENTORY  
TOWN OF BOLTON, CT  
MUNICIPAL BUILDING  
104 NOTCH ROAD**

<i>Material</i>	<i>Location</i>	<i>Analytical Result</i>	<i>Estimated Quantity</i>
Interior Window Glaze	Basement Level: Boiler Room, Room 18, Room 16, Room 17, Lavatories, Office. 2 <sup>nd</sup> Floor: Room 7, Room 9, Room 10, Room 11, Storage, Lavatories, Audio Visual, Business Office, Supt Office, Supt. Of School/Entry	3.2ppm, Aroclor 1254	450 LF
Exterior Window Glaze	Basement Level: Boiler Room, Room 18, Room 16, Room 17, Lavatories, Office. 2 <sup>nd</sup> Floor: Room 7, Room 9, Room 10, Room 11, Storage, Lavatories, Audio Visual, Business Office, Supt Office, Supt. Of School/Entry	2.9 ppm, Aroclor 1260	450 LF
Exterior Window Caulk	Basement Level: Boiler Room, Room 18, Room 16, Room 17, Lavatories, Office. 2 <sup>nd</sup> Floor: Room 7, Room 9, Room 10, Room 11, Storage, Lavatories, Audio Visual, Business Office, Supt Office, Supt. Of School/Entry	2.7 ppm, Aroclor 1260 71 ppm, Aroclor 1260	34 Windows

**FIGURES**

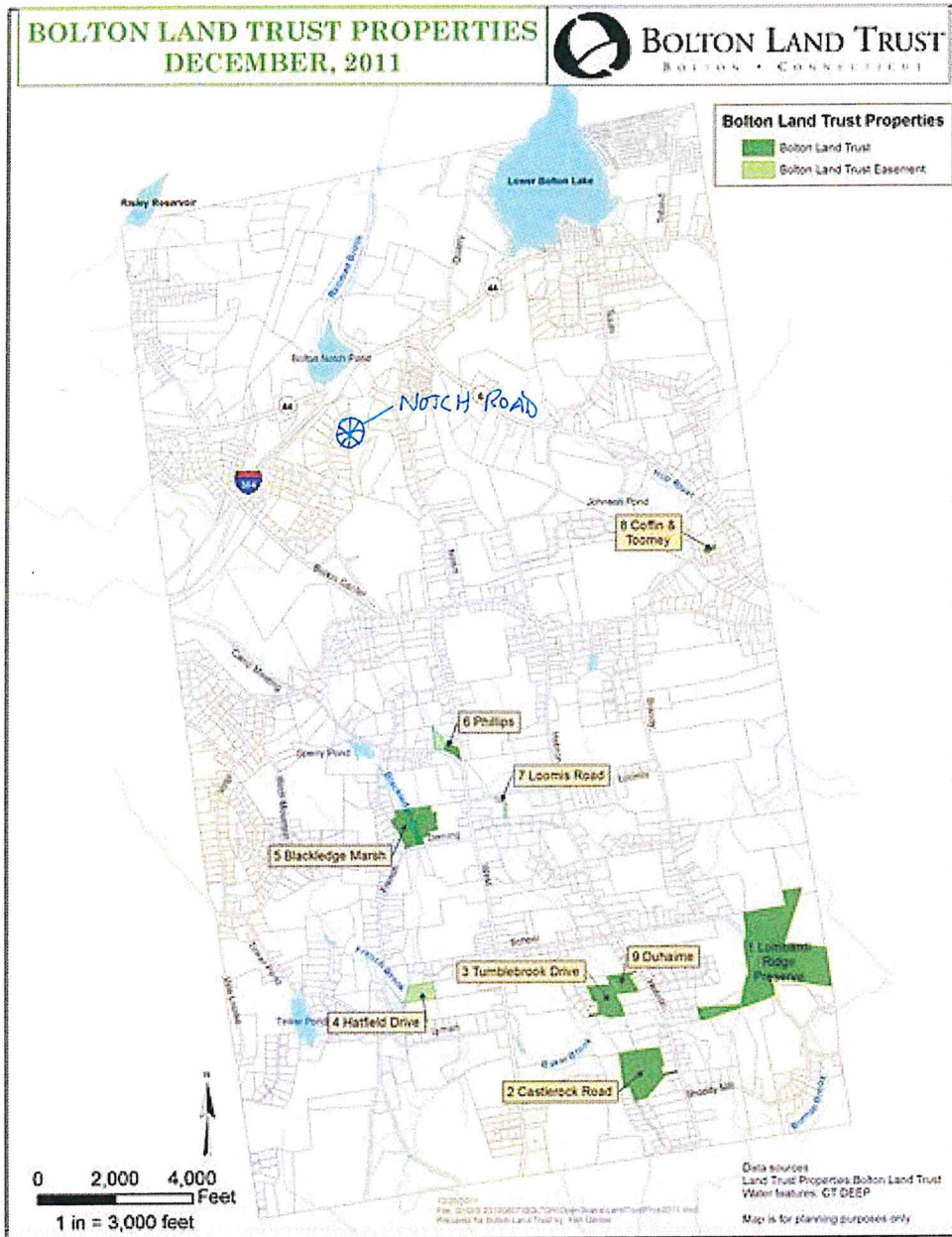


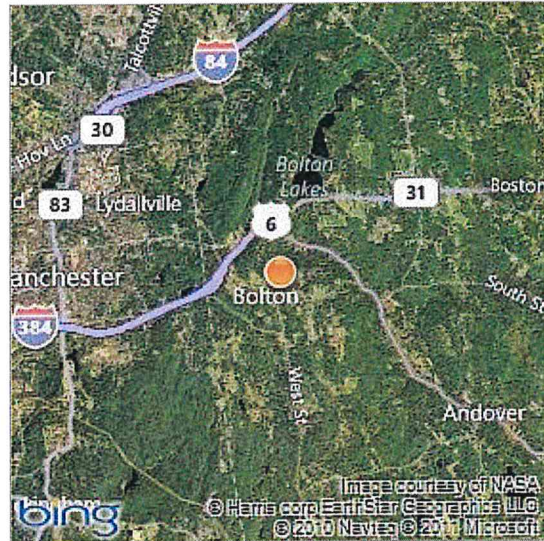
FIGURE 1


bing Maps

104 Notch Rd, Bolton, CT 06043

My Notes

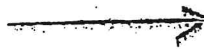
 On the go? Use [m.bing.com](http://m.bing.com) to find maps, directions, businesses, and more



 Bird's eye view maps can't be printed, so another map view has been substituted.



EMERGENCY EXIT

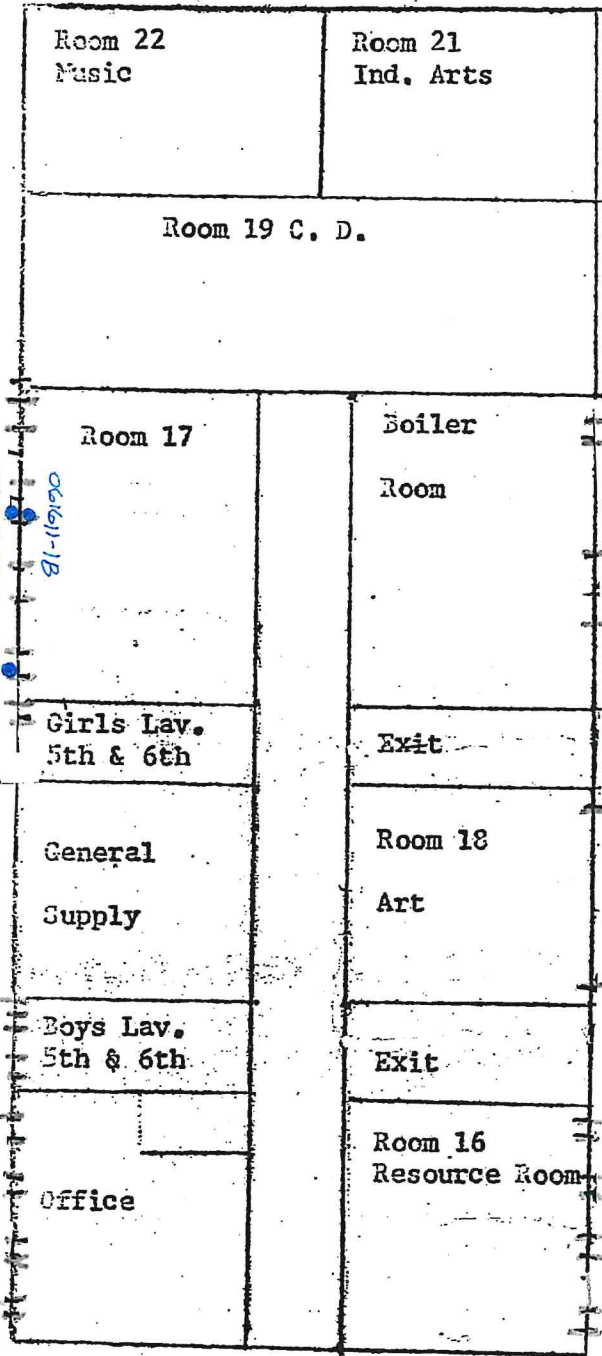


Lower Floor

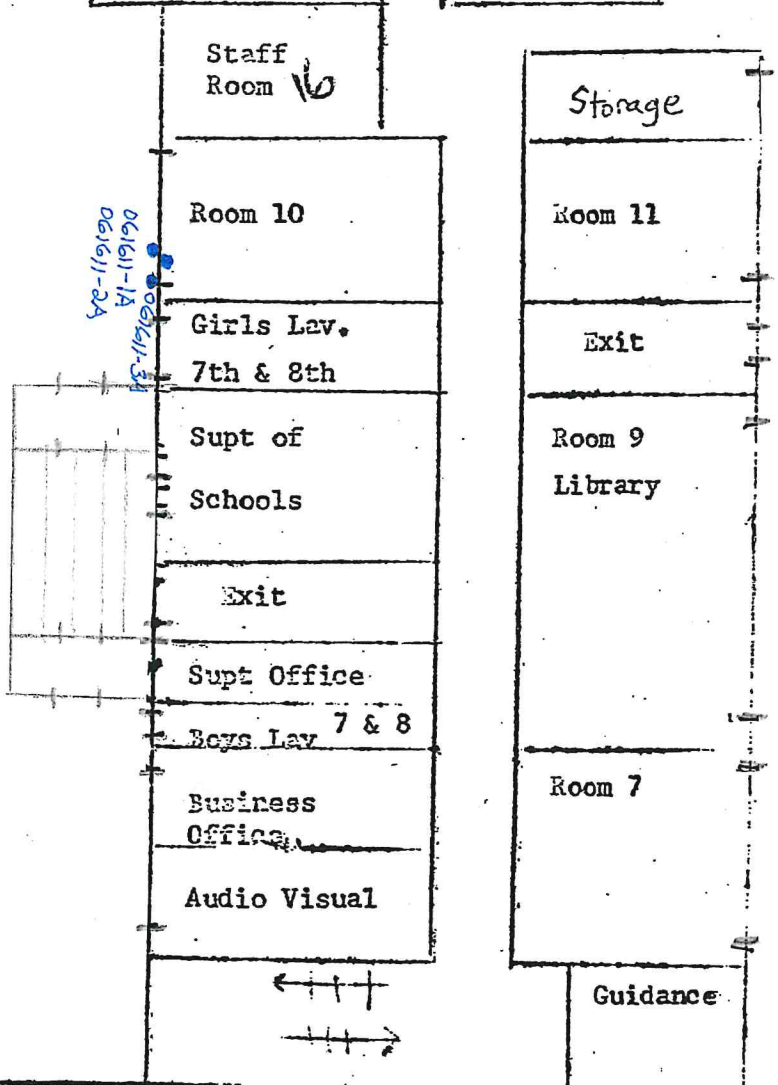
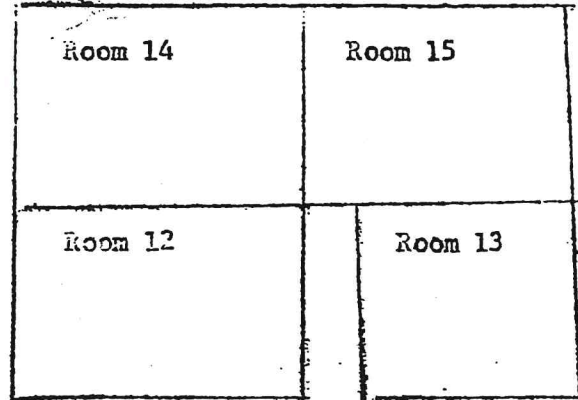
ALTERNATE EXIT



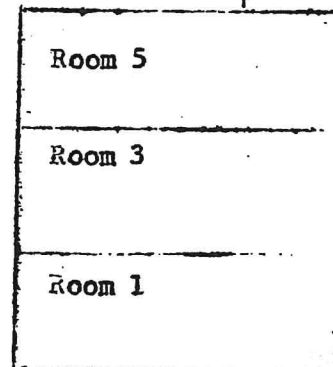
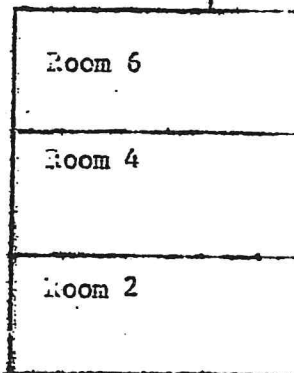
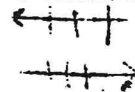
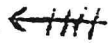
Upper Floor



06/16/11-20  
06/16/11-21  
06/16/11-22



06/16/11-1A  
06/16/11-2A  
06/16/11-3A

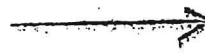


Notch Road Municipal Center

6/16/11 PCB Bulk Sample Locations

SR3/sa

EMERGENCY EXIT

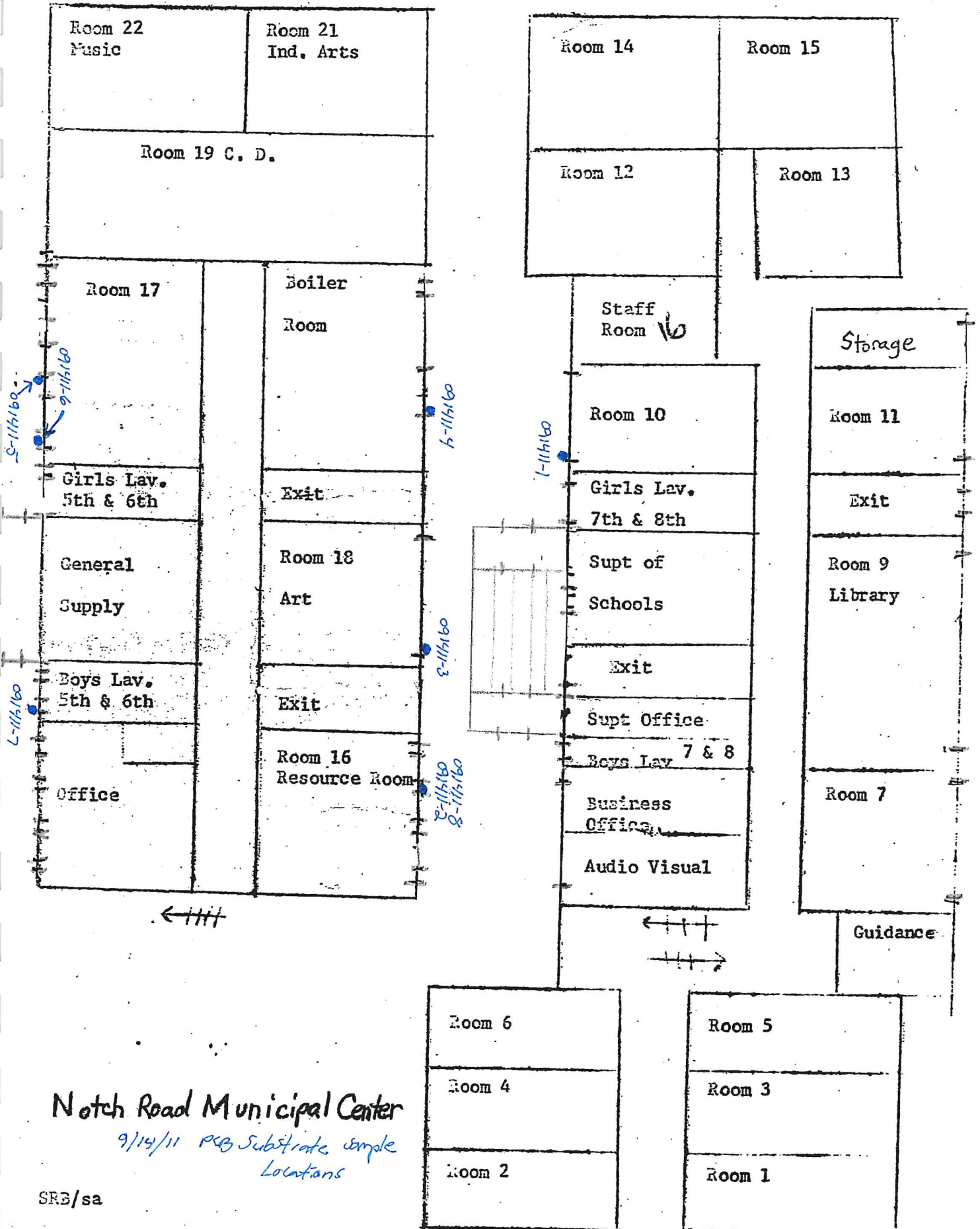


Lower Floor

ALTERNATE EXIT



Upper Floor



Notch Road Municipal Center  
 9/14/11 PCB Substrate sample Locations

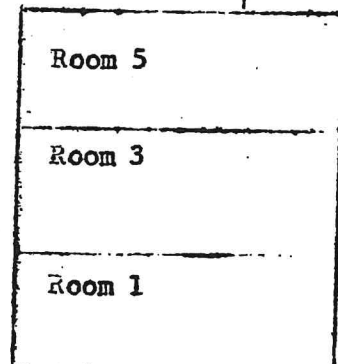
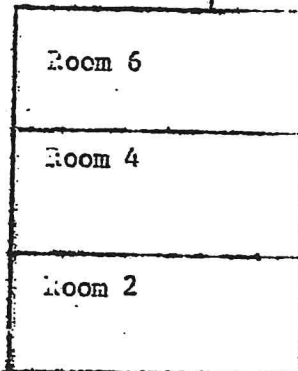
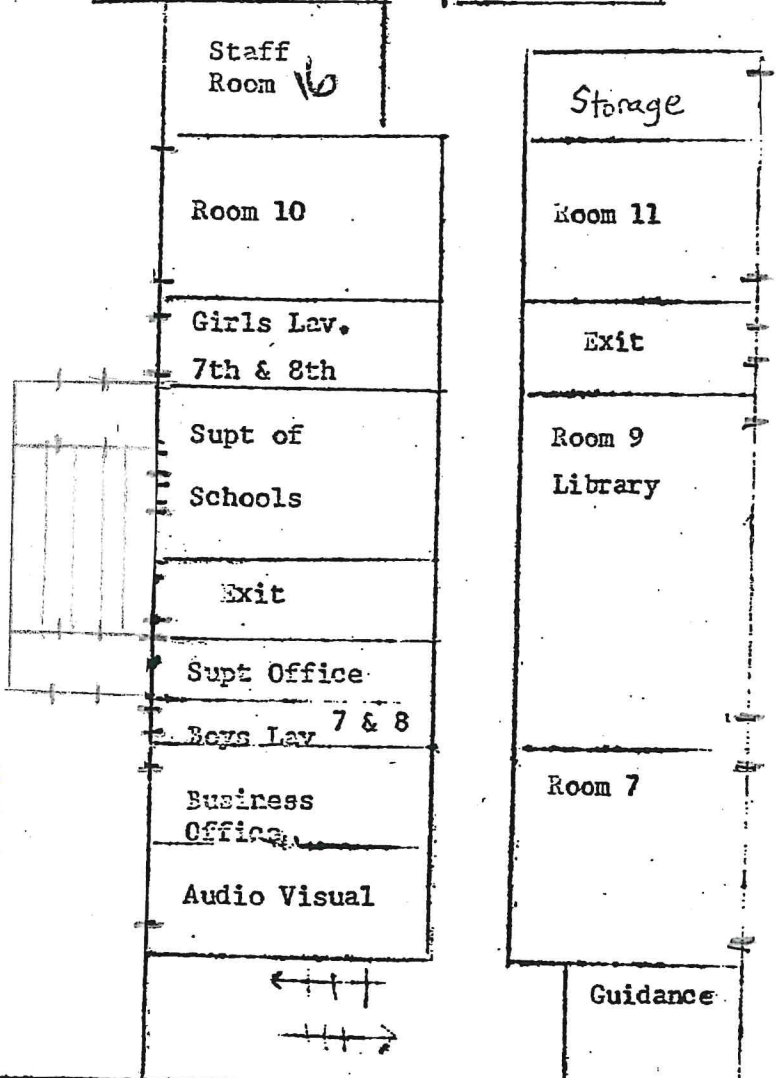
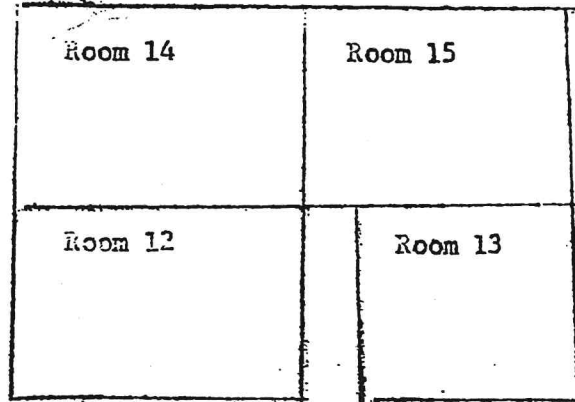
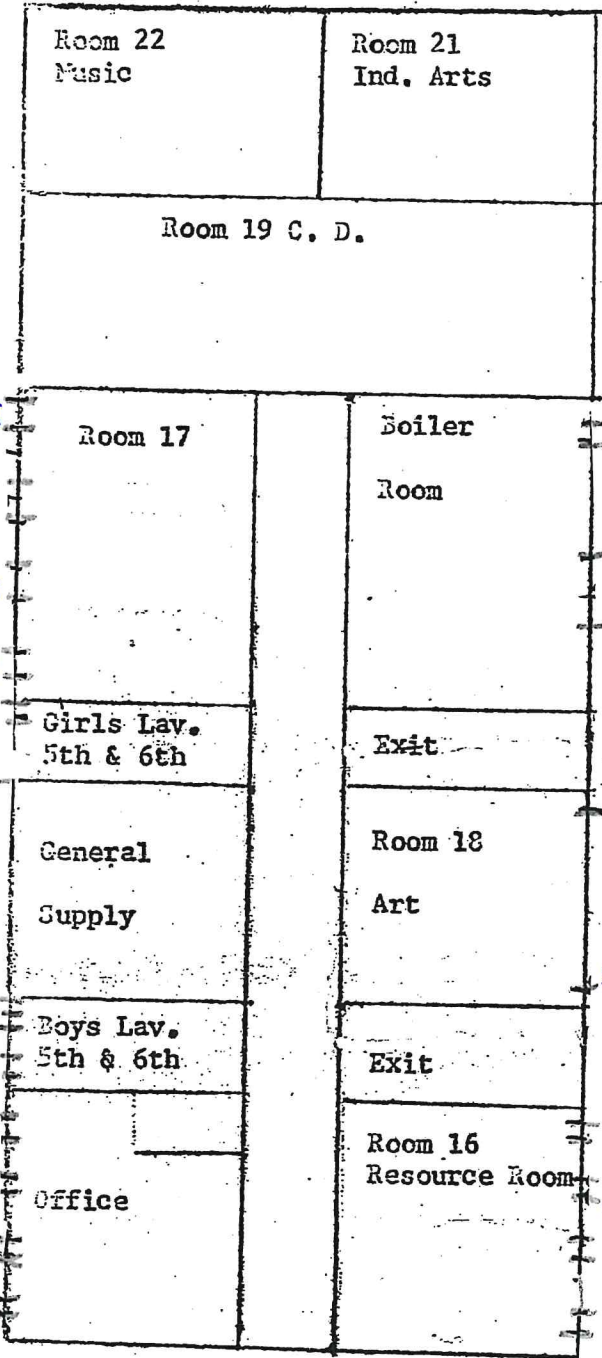
SRB/sa

EMERGENCY EXIT →

Lower Floor

ALTERNATE EXIT ← - - - →

Upper Floor



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9/14/11 + 10/20/11 BCB Soil Sample Locations

SRB/sa

09/14/11-3 X

09/14/11-4 X

09/14/11-5 X

09/14/11-6 X

09/14/11-7 X

09/14/11-8 X

09/14/11-9 X

09/14/11-10 X

09-11/11/60 X

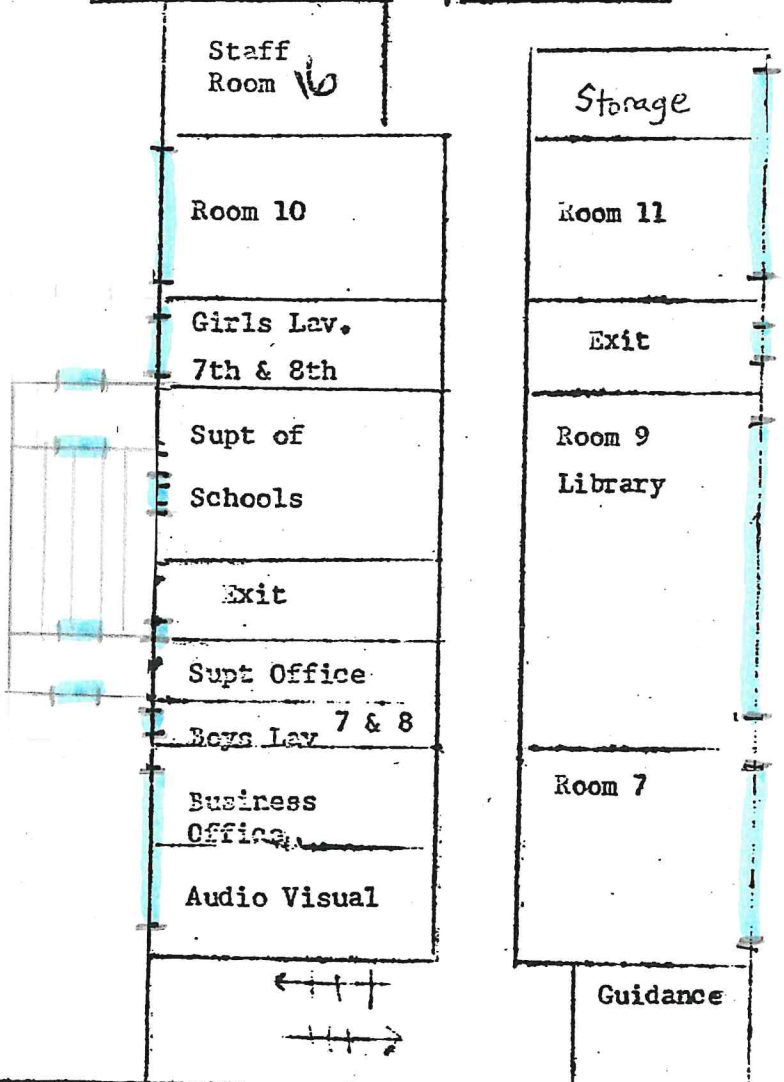
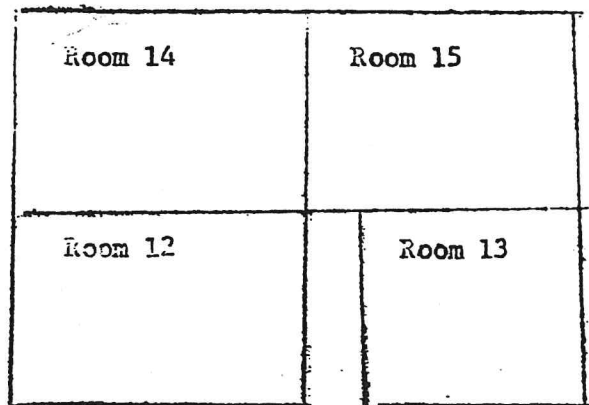
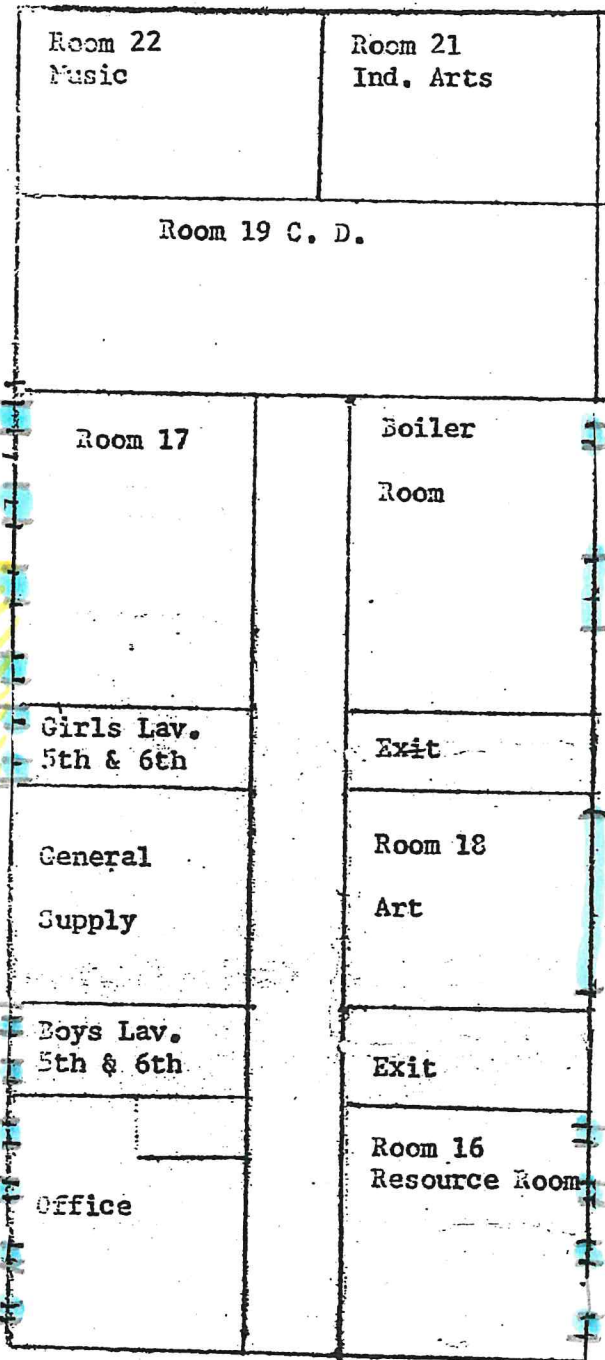
09-11/11/60 X

EMERGENCY EXIT →

Lower Floor

ALTERNATE EXIT →

Upper Floor



← H H H

← H H H →

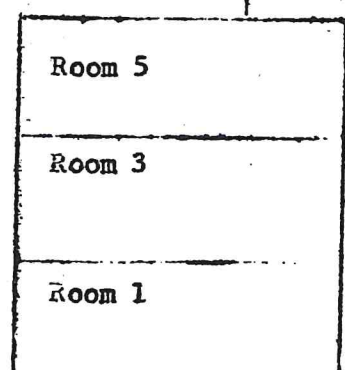
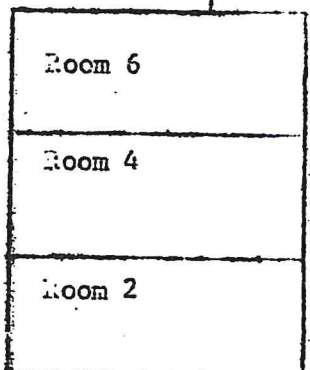
- PCB Containing + Glazing

- PCB Contaminated Soil

Notch Road Municipal Center

PCB Locations

SFB/sa



**APPENDIX A**

**PCB Abatement Action Items for Excluded PCB Products**



State of Connecticut

# PCB ABATEMENT ACTION ITEMS FOR EXCLUDED PCB PRODUCTS

## (INTERIOR AND EXTERIOR CAULK/GLAZING AND ASSOCIATED BUILDING MATERIALS)



Department of Public Works

### ABATEMENT OF EXCLUDED PCB PRODUCTS:

- The Connecticut Department of Public Works (DPW) has developed "PCB Abatement Action Items" to be used in the development of plans and specifications for the abatement of Excluded PCB Products during renovation and demolition projects. For the purposes of developing the plans and specifications, "Excluded PCB Products" shall include (but not be limited to) original caulk and glazing, and associated porous building materials, that contain PCBs in concentrations ranging from greater than or equal to 1 ppm to less than 50 ppm. PCB Abatement Action Items have also been developed for the Interim Control of PCB-containing caulk/glazing prior to renovation/demolition activities. This includes the assessment, cleaning, and/or encapsulation of PCB-containing caulk/glazing, with subsequent monthly monitoring of the abatement area. All PCB Abatement Areas shall be restricted to authorized abatement personnel only.

### PCB ABATEMENT ACTION ITEM FOR CAULK/GLAZING:

- All caulk/glazing containing PCBs  $\geq 1$  ppm and  $< 50$  ppm shall be mechanically removed (during renovation/demolition activities) and disposed of appropriately as Connecticut Regulated Waste. Removal of caulk/glazing (and subsequent cleaning) may be reevaluated based upon the extent of glazing and windows. For a large "wall of windows" that contains glazing with PCBs at concentrations between  $\geq 1$  ppm and  $< 50$  ppm, it might be more cost effective to remove the windows with the glazing intact and dispose of everything as Connecticut Regulated Waste. These determinations must be discussed first with the DPW Environmental Analyst.
- If no building substrate is required to be removed, then abatement activities shall be performed using BMPs (placing poly sheeting on the ground and adjacent horizontal surfaces, cleaning the area with a HEPA vacuum after removal, etc.) with no containment.
- Following abatement of PCB-containing caulk/glazing, surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall also include the use of HEPA filtered vacuum equipment.
- Post-abatement wipe sampling ("Cleanliness Verification Procedure") shall be performed at each abatement area. Wipe samples shall be collected from horizontal surfaces where dust generated might accumulate after the area is cleaned (number of wipe samples to be determined by DEP). Each containment area shall be considered to be sufficiently decontaminated if all wipe samples collected within the area are less than  $1 \mu\text{g}/100 \text{ cm}^2$ .

## PCB ABATEMENT ACTION ITEM FOR POROUS BUILDING SUBSTRATE:

- Prior to abatement of PCB-containing caulk/glazing, verification samples shall be collected from the porous building substrate that is in contact with the top 3 highest PCB-containing caulk/glazing locations. Verification samples shall be collected as per the EPA Region 1 Standard Operating Procedure for Sampling Concrete (attached). The verification samples shall be analyzed for PCBs using EPA Methods 3540 (Soxhlet extraction method) and 8082. The building substrate shall be cleaned first to avoid cross-contamination of any dust from the adjacent caulk/glazing and be free of surface paint. Twenty (20) percent of the number of caulk/glazing removal locations with similar caulk/glazing shall be sampled and analyzed.
- If substrate sample results are  $< 1$  ppm, the substrate shall be considered "unrestricted" and can be handled under normal conditions.
- In areas to be demolished, if substrate sample results are  $\geq 1$  ppm, then additional verification samples shall be collected to determine the depth at which PCBs are  $< 1$  ppm and to plan for removing the building substrate to the appropriate depth. The substrate shall be removed using mechanical methods such as cutting, grinding, and pneumatic hammers (all attached with HEPA filtered vacuum equipment). The building substrate shall be disposed of as Connecticut Regulated Waste.
- In renovation areas, if substrate sample results are  $\geq 1$  ppm, then the architectural plans shall be consulted in order to determine if additional sampling, substrate removal, and/or encapsulation is required.
- In non-renovation areas, if substrate sample results are  $\geq 1$  ppm and the substrate cannot easily be removed, then options include, but are not limited to, abatement of the caulk/glazing and encapsulation of the building substrate with an annual exemption letter per CGS 22a-466.
- For building substrate removal at interior locations, full containment with negative air shall be utilized. Exterior building substrate removal shall require full containment with no negative air.
- Surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall also include the use of HEPA filtered vacuum equipment.
- Post-abatement wipe sampling ("Cleanliness Verification Procedure") shall be performed at the location of each interior containment. Wipe samples shall be collected from remaining horizontal surfaces where dust generated might accumulate after the area is cleaned (number of wipe samples to be determined by DEP). Each containment area shall be considered to be sufficiently decontaminated if all wipe samples collected within the area are less than  $1 \mu\text{g}/100 \text{ cm}^2$ .

## INTERIM CONTROL MEASURES:

- All PCB-containing caulk and glazing around interior doors and windows and exterior doors (not windows) shall be visually assessed.
- If PCB-containing caulk/glazing is cracking/chipping, then the caulk/glazing shall be cleaned and encapsulated using epoxy paint (see attached specs).
- If PCB-containing caulk/glazing is in good condition, then the caulk/glazing shall be monitored on a monthly basis by the maintenance foreman; if it begins cracking/chipping, then the caulk/glazing shall be painted over with the epoxy paint.
- All cleaning and encapsulation work shall be performed while school is not in session.
- If the renovation/demolition project begins within a year of encapsulation, then no annual exemption letter (per CGS 22a-466) for the encapsulation shall be required.
- If the renovation/demolition project begins later than a year after encapsulation, then an annual exemption letter (per CGS 22a-466) for the encapsulation shall be required. In addition, wipe sampling shall be performed in the vicinity of the encapsulated caulk/glazing as well as the PCB-containing caulk/glazing that was not previously encapsulated. Based upon the results of the wipe sampling, the Interim Control Measures and monitoring requirements may need to be reevaluated.