

City of Danbury

Additions and Alterations to Various Danbury Schools

City Project No. 12-14

Environmental Reports

# IDENTIFIED ASBESTOS-CONTAINING MATERIALS

August 13, 2012

BOARD OF EDUCATION  
Danbury, Connecticut

## Administrative Center

none

## AIS Magnet School

none

## Alternative Center for Excellence

none

## Broadview Middle

1. cloth duct joint on stage ventilation unit and in fan rooms
2. original floor tile and mastic
3. mud-type pipe fitting insulation in wall chases

## Curriculum Resource Center

1. cloth duct joint on ventilation unit
2. original floor tile and mastic under carpets and in HVAC room
3. gypsum wall board & drywall joint compound

## Danbury High

1. cloth duct joints in fan rooms
2. original floor tile and mastic (under new tile in some areas)
3. cement board panels on gymnasium exterior window walls
4. artificial slate bench tops in science rooms
5. mud-type pipe fitting insulation above ceilings and in wall chases
6. decorative acoustic plaster on octagonal light well on ceiling

## Educational Services Center

1. cloth duct joints in attic
2. original floor tile and mastic (under new tile in some areas)
3. gypsum wall board & drywall taping compound

### **Ellsworth Avenue Elementary**

none

### **First Congregational Church**

1. floor tile & mastic in library, lavatory, cradle room, green room, stairwell, entry
2. cove base & adhesive in library, lavatory, library storage closet, stairwell
3. stucco & structural blocks on boiler room ceiling
4. exhaust duct insulation in first basement alcove leading to boiler room
5. air-cell & mud-type pipe insulation in boiler room, back room off boiler room, first basement alcove leading to boiler room, second basement alcove between first alcove and boiler room

### **Great Plain Elementary**

1. cloth duct joints in gym fan rooms
2. original floor tile and mastic

### **Hayestown Avenue Elementary**

1. cover over insulation on air ducts in gymnasium and on stage
2. cloth duct joint on stage fan unit
3. original floor tile and mastic
4. mud-type pipe fitting insulation in wall chases

### **King Street Intermediate**

1. cloth duct joint on stage fan unit
2. original floor tile and mastic

### **King Street Primary**

1. white plaster filler in wood doors with 1/4" plug near top edge
2. original floor tile and mastic
3. black putty sealing electrical wall and roof penetrations for rooftop HVAC units.

### **Mill Ridge Intermediate**

1. cementitious plaster on ceiling of health corridor and cafe entrance
2. original 9x9 floor tile and mastic in halls, classrooms, offices, etc.

### **Mill Ridge Primary**

1. original floor tile and mastic in some rooms

### **Morris Street Elementary**

1. cloth duct joints on gym ventilation units
2. original floor tile and mastic

### **Park Avenue Elementary**

1. original floor tile and mastic

### **Pembroke Elementary**

1. original floor tile and mastic

### **Rogers Park Middle**

1. original floor tile and mastic
2. white finish coat plaster on auditorium ceiling
3. black vapor barrier under gymnasium floor

### **Shelter Rock Elementary**

1. cloth duct joints in fan rooms
2. original floor tile and mastic

### **South Street Elementary**

1. white plaster filler in wood doors with 1/4" plug near top edge
2. original floor tile and mastic in some rooms

### **Stadely Rough Elementary**

1. original floor tile and mastic in some areas

## ASBESTOS MANAGEMENT PLAN UPDATE

MILL RIDGE INTERMEDIATE  
1 School Ridge Road  
Danbury, Connecticut

DATE: July 10, 2008

PLANNER: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792



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CT licensed Inspector/Planner  
License #000009 expires 5-31-09

**BUILDING: (12) Mill Ridge Intermediate School**

**A. RECOMMENDED RESPONSE ACTIONS**

1. Removal  
none
2. Repair  
none
3. Enclosure  
none
4. Encapsulation  
none
5. Operations & Maintenance  
All asbestos-containing building materials as listed in the 2008 three-year reinspection report (attached).

**B. JUSTIFICATION OF RECOMMENDED RESPONSE ACTIONS**

Materials are in good condition and most are non-friable. No friable materials are in general public access areas. In this case, Operations & Maintenance is the least burdensome method which will protect public health.

**C. SCHEDULE AND RESOURCES FOR IMPLEMENTATION**

1. Removal
2. Repair
3. Enclosure
4. Encapsulation
5. Operations & Maintenance Program  
Estimated cost: \$750 per year  
Start Date: ongoing  
Completion Date: upon removal of all ACBM from building

## THREE YEAR REINSPECTION OF ACBM

MILL RIDGE INTERMEDIATE  
1 School Ridge Road  
Danbury, Connecticut

DATE: June 11, 2008

INSPECTOR: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792



CT licensed Inspector/Planner  
License #000009 expires 5-31-09

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## INTRODUCTION

This report contains the results of a three-year reinspection of asbestos-containing building materials (ACBM) following the protocols of the State of Connecticut Department of Public Health (DPH) "Asbestos-Containing Materials in Schools" regulation.

The information presented here was compiled by Mark F. Granville, an accredited asbestos inspector under the EPA model accreditation plan and the DPH training requirements for asbestos consultation services. Mr. Granville completed his original accreditation training at the Tuft's University Asbestos Information Center, Center for Environmental Management, Medford, Massachusetts in 1987. He is currently operating under an annual refresher certificate from ATC Associates, West Springfield, Massachusetts and is licensed in the State of Connecticut as an Asbestos Building Inspector/Management Planner.

The "Building Information Sheet" summarizes the extent of the facility at the time of this reinspection. The building structure has not changed since the previous reinspection.

## ASBESTOS MANAGEMENT HISTORY

Mill Ridge Intermediate School was inspected for asbestos-containing materials in 1983 by the Connecticut Department of Labor and in 1984 by the Danbury Health Department. Subsequently, an asbestos removal project was carried out in 1985 to remove friable materials and thermal system insulation. The building was inspected again in 1987 under the State of Connecticut Department of Education "School Asbestos Inspection and Abatement" regulations, was reinspected in 1990 under the U.S. Environmental Protection Agency (EPA) "Asbestos-Containing Materials in Schools" regulations, and was reinspected again in 1993, 1996, 1999, 2002, and 2005.

Pipe insulation above fixed hallway ceiling, plaster hallway ceiling, and some floor tile & mastic were removed during 1991 renovations.

A limited NESHAP inspection was conducted in August 2007 in preparation for energy upgrades.

No bulk samples were collected during this reinspection.

## STATEMENT OF LIMITATIONS

Inspection of school buildings for suspect asbestos-containing building materials under the Federal and State asbestos-in-schools regulations generally does not include demolition of structures to find hidden materials. It is thus possible that renovation or demolition activities not preceded by a NESHAP level asbestos inspection may uncover previously unknown suspect materials. Such possibilities include, but are not limited to: roping between sections of a previously abated sectional boiler, (2) insulation board behind fire brick in the base of boilers, (3) pipe insulation inside wall chases, (4) floor tile and mastic under other flooring, (5) glue daubs under acoustic tile, (6) glue daubs behind chalk boards and/or tack boards, (7) insulation inside walls.



DATE  
 June 11, 2008

**BUILDING NUMBER AND NAME**  
 12 | Mill Ridge Intermediate

**BUILDING LOCATION/ADDRESS**  
 1 School Ridge Road  
 Danbury, CT 06811

**NAME OF LOCAL EDUCATION AGENCY**  
 Danbury Public Schools

Number of Floors in This Building	<input type="text" value="1"/>	Original Construction Date	<input type="text" value="1958"/>
Number of Basement Levels	<input type="text" value="0"/>	Addition/Renovation Date 1	<input type="text" value="1972"/>
Number of Attic Levels	<input type="text" value="0"/>	Addition/Renovation Date 2	<input type="text" value="1992"/>
Number of Other Levels	<input type="text" value="0"/>	Estimated Gross Square Feet	<input type="text" value="66,223"/>

**Building Construction Type**  
 steel & masonry

Building Use	%Floor Space

FRIABLE  
 ACM  
 PRESENT

NON-FRIABLE  
 ACM  
 PRESENT

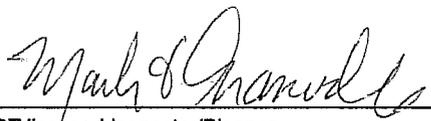
Friable ACM includes intact TSI

## ASBESTOS MANAGEMENT PLAN UPDATE

STADLEY ROUGH ELEMENTARY SCHOOL  
25 Karen Road  
Danbury, Connecticut

DATE: July 10, 2008

PLANNER: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792

  
\_\_\_\_\_  
CT licensed Inspector/Planner  
License #000009 expires 5-31-09

**BUILDING: (21) Stadley Rough Elementary School**

**A. RECOMMENDED RESPONSE ACTIONS**

1. Removal  
none
2. Repair  
none
3. Enclosure  
none
4. Encapsulation  
none
5. Operations & Maintenance  
All asbestos-containing building materials as listed in the 2008 three-year reinspection report (attached).

**B. JUSTIFICATION OF RECOMMENDED RESPONSE ACTIONS**

Materials are in good condition and most are non-friable. No friable materials are in general public access areas. In this case, Operations & Maintenance is the least burdensome method which will protect public health.

**C. SCHEDULE AND RESOURCES FOR IMPLEMENTATION**

1. Removal
2. Repair
3. Enclosure
4. Encapsulation
5. Operations & Maintenance Program  
Estimated cost: \$750 per year  
Start Date: ongoing  
Completion Date: upon removal of all ACBM from building

## THREE YEAR REINSPECTION OF ACBM

STADLEY ROUGH ELEMENTARY SCHOOL  
25 Karen Road  
Danbury, Connecticut

DATE: June 11, 2008

INSPECTOR: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792

  
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C/T licensed Inspector/Planner  
License #000009 expires 5-31-09

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## INTRODUCTION

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The information presented here was compiled by Mark F. Granville, an accredited asbestos inspector under the EPA model accreditation plan and the DPH training requirements for asbestos consultation services. Mr. Granville completed his original accreditation training at the Tuff's University Asbestos Information Center, Center for Environmental Management, Medford, Massachusetts in 1987. He is currently operating under an annual refresher certificate from ATC Associates, West Springfield, Massachusetts and is licensed in the State of Connecticut as an Asbestos Building Inspector/Management Planner.

The "Building Information Sheet" summarizes the extent of the facility at the time of this reinspection. The building structure has not changed since the previous reinspection.

## ASBESTOS MANAGEMENT HISTORY

Stadley Rough Elementary School was inspected for asbestos-containing materials in 1983 by the Connecticut Department of Labor and in 1984 by the Danbury Health Department. Subsequently, an asbestos removal project was carried out in 1985 to remove friable materials and thermal system insulation. The building was inspected again in 1987 under the State of Connecticut Department of Education "School Asbestos Inspection and Abatement" regulations, was reinspected in 1990 under the U.S. Environmental Protection Agency (EPA) "Asbestos-Containing Materials in Schools" regulations, and was reinspected again in 1993, 1996, 1999, 2002, and 2005.

Mud-type pipe fitting insulation and roof drain bowl insulation were removed from above the ceilings during 1991 renovations.

A limited NESHAP inspection was conducted in August 2007 in preparation for energy upgrades. Subsequently, asbestos-containing intersectional cement was removed during dismantling of the older boiler.

No bulk samples were collected during this reinspection.

## STATEMENT OF LIMITATIONS

Inspection of school buildings for suspect asbestos-containing building materials under the Federal and State asbestos-in-schools regulations generally does not include demolition of structures to find hidden materials. It is thus possible that renovation or demolition activities not preceded by a NESHAP level asbestos inspection may uncover previously unknown suspect materials. Such possibilities include, but are not limited to: roping between sections of a previously abated sectional boiler, (2) insulation board behind fire brick in the base of boilers, (3) pipe insulation inside wall chases, (4) floor tile and mastic under other flooring, (5) glue daubs under acoustic tile, (6) glue daubs behind chalk boards and/or tack boards, (7) insulation inside walls.



DATE  
June 11, 2008

BUILDING NUMBER AND NAME  
21      Stadley Rough Elementary

BUILDING LOCATION/ADDRESS  
25 Karen Road  
Danbury, CT 06811

NAME OF LOCAL EDUCATION AGENCY  
Danbury Public Schools

Number of Floors in This Building	<input type="text" value="1"/>	Original Construction Date	<input type="text" value="1971"/>
Number of Basement Levels	<input type="text" value="0"/>	Addition/Renovation Date 1	<input type="text" value="1992"/>
Number of Attic Levels	<input type="text" value="0"/>	Addition/Renovation Date 2	<input type="text"/>
Number of Other Levels	<input type="text" value="0"/>	Estimated Gross Square Feet	<input type="text" value="58,000"/>

Building Construction Type  
steel & masonry

Building Use	%Floor Space

FRIABLE  
ACM  
PRESENT

NON-FRIABLE  
ACM  
PRESENT

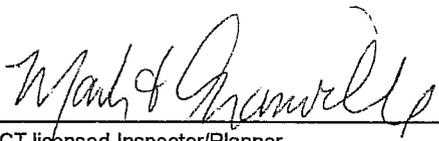
Friable ACM includes intact TSI

## ASBESTOS MANAGEMENT PLAN UPDATE

PARK AVENUE ELEMENTARY SCHOOL  
82 Park Avenue  
Danbury, Connecticut

DATE: July 10, 2008

PLANNER: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792

  
\_\_\_\_\_  
CT licensed Inspector/Planner  
License #000009 expires 5-31-09

**BUILDING: (15) Park Avenue Elementary School**

**A. RECOMMENDED RESPONSE ACTIONS**

1. Removal  
none
2. Repair  
none
3. Enclosure  
none
4. Encapsulation  
none
5. Operations & Maintenance  
All asbestos-containing building materials as listed in the 2008 three-year reinspection report (attached).

**B. JUSTIFICATION OF RECOMMENDED RESPONSE ACTIONS**

Materials are in good condition and most are non-friable. No friable materials are in general public access areas. In this case, Operations & Maintenance is the least burdensome method which will protect public health.

**C. SCHEDULE AND RESOURCES FOR IMPLEMENTATION**

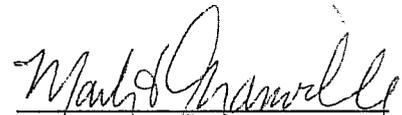
1. Removal
2. Repair
3. Enclosure
4. Encapsulation
5. Operations & Maintenance Program  
Estimated cost: \$750 per year  
Start Date: ongoing  
Completion Date: upon removal of all ACBM from building

## THREE YEAR REINSPECTION OF ACBM

PARK AVENUE ELEMENTARY SCHOOL  
82 Park Avenue  
Danbury, Connecticut

DATE: June 12, 2008

INSPECTOR: Mark F. Granville  
Brooks Laboratories, Inc.  
9 Isaac Street  
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CT licensed Inspector/Planner  
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The "Building Information Sheet" summarizes the extent of the facility at the time of this reinspection. The building structure has not changed since the previous reinspection.

## ASBESTOS MANAGEMENT HISTORY

Park Avenue Elementary School was inspected for asbestos-containing materials in 1983 by the Connecticut Department of Labor and in 1984 by the Danbury Health Department. Subsequently, an asbestos removal project was carried out in 1985 to remove friable materials and thermal system insulation. The building was inspected again in 1987 under the State of Connecticut Department of Education "School Asbestos Inspection and Abatement" regulations, was reinspected in 1990 under the U.S. Environmental Protection Agency (EPA) "Asbestos-Containing Materials in Schools" regulations, and was reinspected again in 1993, 1996, 1999, 2002, and 2005.

Ceiling plaster in hallways, cloth duct joints on the stage, and some floor tile & mastic were removed during 1991 renovations.

No bulk samples were collected during this reinspection.

## STATEMENT OF LIMITATIONS

Inspection of school buildings for suspect asbestos-containing building materials under the Federal and State asbestos-in-schools regulations generally does not include demolition of structures to find hidden materials. It is thus possible that renovation or demolition activities not preceded by a NESHAP level asbestos inspection may uncover previously unknown suspect materials. Such possibilities include, but are not limited to: roping between sections of a previously abated sectional boiler, (2) insulation board behind fire brick in the base of boilers, (3) pipe insulation inside wall chases, (4) floor tile and mastic under other flooring, (5) glue daubs under acoustic tile, (6) glue daubs behind chalk boards and/or tack boards, (7) insulation inside walls.



DATE

June 12, 2008

**BUILDING NUMBER AND NAME**

15	Park Avenue Elementary
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**BUILDING LOCATION/ADDRESS**

82 Park Avenue  
Danbury, CT 06810

**NAME OF LOCAL EDUCATION AGENCY**

Danbury Public Schools

Number of Floors in This Building	<input type="text" value="1"/>	Original Construction Date	<input type="text" value="1951"/>
Number of Basement Levels	<input type="text" value="1"/>	Addition/Renovation Date 1	<input type="text" value="1955"/>
Number of Attic Levels	<input type="text" value="0"/>	Addition/Renovation Date 2	<input type="text" value="1992"/>
Number of Other Levels	<input type="text" value="0"/>	Estimated Gross Square Feet	<input type="text" value="44,800"/>

**Building Construction Type**

wood frame, steel & masonry

**Building Use**

**%Floor Space**

Building Use	%Floor Space

**FRIABLE  
ACM  
PRESENT**

**NON-FRIABLE  
ACM  
PRESENT**

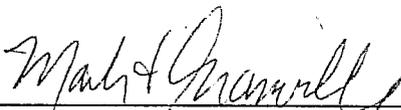
Friable ACM includes intact TSI

## ASBESTOS MANAGEMENT PLAN UPDATE

SHELTER ROCK ELEMENTARY SCHOOL  
2 Crows Nest Lane  
Danbury, Connecticut

DATE: July 10, 2008

PLANNER: Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792

  
\_\_\_\_\_  
CT licensed Inspector/Planner  
License #000009 expires 5-31-09

**BUILDING: (19) Shelter Rock Elementary School**

**A. RECOMMENDED RESPONSE ACTIONS**

1. Removal  
none
2. Repair  
none
3. Enclosure  
none
4. Encapsulation  
none
5. Operations & Maintenance  
All asbestos-containing building materials as listed in the 2008 three-year reinspection report (attached).

**B. JUSTIFICATION OF RECOMMENDED RESPONSE ACTIONS**

Materials are in good condition and most are non-friable. No friable materials are in general public access areas. In this case, Operations & Maintenance is the least burdensome method which will protect public health.

**C. SCHEDULE AND RESOURCES FOR IMPLEMENTATION**

1. Removal
2. Repair
3. Enclosure
4. Encapsulation
5. Operations & Maintenance Program  
Estimated cost: \$750 per year  
Start Date: ongoing  
Completion Date: upon removal of all ACBM from building

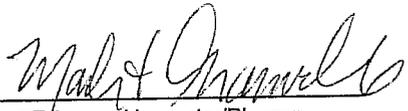
## THREE YEAR REINSPECTION OF ACBM

SHELTER ROCK ELEMENTARY SCHOOL  
2 Crows Nest Lane  
Danbury, Connecticut

DATE: June 12, 2008

INSPECTOR:

Mark F. Granville  
*Brooks Laboratories, Inc.*  
9 Isaac Street  
Norwalk, CT 06850  
(203)853-9792

  
CT licensed Inspector/Planner  
License #000009 expires 5-31-09

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## INTRODUCTION

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The "Building Information Sheet" summarizes the extent of the facility at the time of this reinspection. The building structure has not changed since the previous reinspection.

## ASBESTOS MANAGEMENT HISTORY

Shelter Rock Elementary School was inspected for asbestos-containing materials in 1983 by the Connecticut Department of Labor and in 1984 by the Danbury Health Department. Subsequently, an asbestos removal project was carried out in 1985 to remove friable materials and thermal system insulation. The building was inspected again in 1987 under the State of Connecticut Department of Education "School Asbestos Inspection and Abatement" regulations, was reinspected in 1990 under the U.S. Environmental Protection Agency (EPA) "Asbestos-Containing Materials in Schools" regulations, and was reinspected again in 1993, 1996, 1999, 2002, and 2005.

Some floor tile & mastic were removed during 1991 renovations.

2,426 square feet floor tile & mastic were removed from the cafeteria and faculty dining room late summer 2002.

No bulk samples were collected during this reinspection.

## STATEMENT OF LIMITATIONS

Inspection of school buildings for suspect asbestos-containing building materials under the Federal and State asbestos-in-schools regulations generally does not include demolition of structures to find hidden materials. It is thus possible that renovation or demolition activities not preceded by a NESHAP level asbestos inspection may uncover previously unknown suspect materials. Such possibilities include, but are not limited to: roping between sections of a previously abated sectional boiler, (2) insulation board behind fire brick in the base of boilers, (3) pipe insulation inside wall chases, (4) floor tile and mastic under other flooring, (5) glue daubs under acoustic tile, (6) glue daubs behind chalk boards and/or tack boards, (7) insulation inside walls.



DATE

June 12, 2008

**BUILDING NUMBER AND NAME**

19	Shelter Rock Elementary
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**BUILDING LOCATION/ADDRESS**

2 Crows Nest Lane  
Danbury, CT 06810

**NAME OF LOCAL EDUCATION AGENCY**

Danbury Public Schools

Number of Floors in This Building	<input type="text" value="1"/>	Original Construction Date	<input type="text" value="1964"/>
Number of Basement Levels	<input type="text" value="0"/>	Addition/Renovation Date 1	<input type="text" value="1973"/>
Number of Attic Levels	<input type="text" value="0"/>	Addition/Renovation Date 2	<input type="text" value="1992"/>
Number of Other Levels	<input type="text" value="0"/>	Estimated Gross Square Feet	<input type="text" value="48,423"/>

**Building Construction Type**

steel & masonry

**Building Use**

**%Floor Space**

Building Use	%Floor Space

FRIABLE  
ACM  
PRESENT

NON-FRIABLE  
ACM  
PRESENT

Friable ACM includes intact TSI