



**Asbestos Inspection Report  
for  
12 Miller Street  
Middletown, Connecticut**

prepared for:

City of Middletown  
Department of Public Works  
245 DeKoven Drive  
Middletown, Connecticut

June 8, 2001

EnviroMed Project # IH-01-376

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## I. PROJECT NARRATIVE

### Overview

On June 8, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at 12 Miller Street, Middletown, Connecticut. The purpose of this inspection was to identify the presence of suspect building materials, so that any asbestos-containing material could be removed prior to renovation/demolition.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of fifty five (55) bulk samples were collected. The materials sampled include: wallboard and joint compound, ceiling board and joint compound, two types of exterior window glazing, felt paper behind exterior wall siding, brown asphalt roof shingle, gray flashing cement, popcorn ceiling spray, textured ceiling coat, interior door window glazing, parquet self-adhesive floor tile, ceramic tile glue, and chimney coating.

No Bulk Sample Location Diagrams are provided in this report. Refer to Section II for sample locations and identification.

### Summary of Results

EnviroMed Services, Inc. accredited asbestos laboratory (NVLAP #1514) analyzed the bulk samples. Section II presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

### Roof

There is approximately 17 square feet of gray flashing cement located around the base of the chimney and the roof vent, along the interfaces between porch roof and main roof, and around hatches on the roof. This material was found to contain 5 percent asbestos.

### Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0-1 percent) of asbestos: wallboard and joint compound, ceiling board and joint compound, two types of exterior window glazing, felt paper behind exterior wall siding, brown asphalt roof shingle, popcorn

ceiling spray, textured ceiling coat, interior door window glazing, parquet self-adhesive floor tile, ceramic tile glue, and chimney coating.

See Section III for a copy of the laboratory analysis sheets for the samples collected.

**Additional Notes:**

1. The possibility exists that suspect asbestos containing materials may be located behind walls, under fixed flooring or above fixed ceilings. During renovation/demolition activities, upon the penetration or demolition of a fixed wall or ceiling, should any suspect materials be seen or become accessible, all activities shall cease and the materials shall be sampled by a licensed inspector to determine the presence of asbestos.
2. This inspection report shall not be used as a scope of work for asbestos abatement. The asbestos design specifications prepared by a licensed asbestos project designer shall only be utilized for the asbestos abatement.

## II. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1	basement	wallboard/sheetrock	NAD
2	basement	wallboard/sheetrock	NAD
3	first floor apartment #4 window	exterior window glazing (type 1)	NAD
4	first floor apartment #2 window	exterior window glazing (type 1)	NAD
5	first floor apartment #2 window	exterior window glazing (type 1)	NAD
6	second floor apartment #8 window	exterior window glazing (type 2)	NAD
7	second floor apartment #6 window	exterior window glazing (type 2)	NAD
8	second floor apartment #6 window	exterior window glazing (type 2)	NAD
9	exterior wall	felt paper behind siding	NAD
10	exterior wall	felt paper behind siding	NAD
11	main roof	brown asphalt roof shingle	NAD
12	main roof	brown asphalt roof shingle	NAD
13	main roof base of chimney	gray flashing cement	5
14	main roof base of chimney	gray flashing cement	NA
15	first floor apartment #4	wallboard/sheetrock	NAD
16	first floor apartment #2	wallboard/sheetrock	NAD
17	first floor apartment #4	wallboard joint compound	NAD
18	first floor apartment #2	wallboard joint compound	NAD
19	first floor apartment #2	wallboard joint compound	NAD
20	first floor apartment #4	ceiling board/sheetrock	NAD
21	first floor apartment #2	ceiling board /sheetrock	NAD
22	first floor apartment #4	ceiling board joint compound	NAD
23	first floor apartment #2	ceiling board joint compound	NAD
24	first floor apartment #2	ceiling board joint compound	NAD

NAD - No Asbestos Detected

NA - Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
25	first floor apartment #4	popcorn ceiling spray	NAD
26	first floor apartment #4	popcorn ceiling spray	NAD
27	first floor apartment #2	popcorn ceiling spray	NAD
28	second floor apartment #8	wallboard	NAD
29	second floor apartment #6	wallboard	NAD
30	second floor apartment #8	wallboard joint compound	NAD
31	second floor apartment #6	wallboard joint compound	NAD
32	second floor apartment #6	wallboard joint compound	NAD
33	second floor apartment #6	ceiling board	NAD
34	second floor apartment #8	ceiling board	NAD
35	second floor apartment #6	ceiling board joint compound	NAD
36	second floor apartment #6	ceiling board joint compound	NAD
37	second floor apartment #8	ceiling board joint compound	NAD
38	second floor apartment #6	textured ceiling coat	NAD
39	second floor apartment #6	textured ceiling coat	NAD
40	second floor apartment #8	textured ceiling coat	NAD
41	attic	wallboard	NAD
42	attic	wallboard	NAD
43	attic	wallboard joint compound	NAD
44	attic	wallboard joint compound	NAD
45	attic	wallboard joint compound	NAD
46	first floor entrance - decorative door panel	interior window glazing	NAD
47	first floor entrance - decorative door panel	interior window glazing	NAD
48	first floor entrance - decorative door panel	interior window glazing	NAD
49	second floor apartment #6 bathroom	parquet self-adhesive floor tile	NAD

NAD - No Asbestos Detected

<b>Sample Number</b>	<b>Location</b>	<b>Material Sampled</b>	<b>Percent Asbestos</b>
50	second floor apartment #6 bathroom	parquet self-adhesive floor tile	NAD
51	second floor apartment #6 bathroom	ceramic tile glue	NAD
52	second floor apartment #6 bathroom	ceramic tile glue	NAD
53	second floor apartment #8	chimney coating	NAD
54	second floor apartment #8	chimney coating	NAD
55	second floor apartment #8	chimney coating	NAD

NAD - No Asbestos Detected

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### III. LABORATORY ANALYSIS SHEETS

**Bulk Asbestos Analysis Report**

**Enviromed Services, Inc.**

25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-01-376-1

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Basement

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>gray wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>02</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>228 white</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>786 white</u>		
<b>Total % Asbestos (sample)</b>	<u>06</u>		

Comments: PG# 2001-02672 there

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government. Rev. 10/98

Sample ID #: FH-01-376-2

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT - Basement

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>gray wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% Portland</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PO# 2001-02672

Sample ID #: IH-01-376-3

Lab # 149-40

Client Name, Address: City of Middletown, 245 Dekonan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Extension 1st Floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Type 1 window glazing</u>

Collected by: J.F.

Analyzed by: J. Abdul

Date: 6/8/01

Date: 7/19/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan / beige glazing</u>		
Type of Asbestos Present			
Percent Asbestos	<u>66</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>12% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>88% Portland</u>		
Total % Asbestos (sample)			<u>66</u>

Comments: PG# 2001-02672

Sample ID #: JH-01-376-4

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. 1<sup>st</sup> Floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Type 1 window glass</u>

Collected by: J.F.

Date: 6/8/01

Analyzed by: J. Lopez

Date: 7/14/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan / beige granular</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>76 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>936 particles</u>		
Total % Asbestos (sample)	<u>06</u>		

Comments: PG# 2001-02672

Sample ID #: FH-01-376-5

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Type 1 window glazing</u>

Collected by: J.F.  
 Date: 6/8/01

Analyzed by: [Signature]  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan beige glazing</u>		
Type of Asbestos Present	<u>06</u>		
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>113 others</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>89% asbestos</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments: PO# 2001-02672

Sample ID #: FH-01-376-6

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown, CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown, CT - Ext. 2nd Floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>type 2 wind glass</u>

Collected by: J. F.  
Date: 6/8/01

Analyzed by: J. Adams  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan/beige glassy</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>86 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>926 Particulate</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments: PG# 2001-02672

Sample ID #: FH-01-376-11

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoven Drive, Middletown CT 06451

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Type II window glazing</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan beige granular</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>66 asbestos</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>942 particulate</u>		
Total % Asbestos (sample)			<u>06</u>

Comments: PG# 2001-02672

Sample ID #: IH-01-376-8

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06455

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. Wind. 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Typical wind. glaz.</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan/beige flaking</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>106 asbestos</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>906 particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>06</u>		

Comments: PG# 2001-02672

Sample ID #: IH-01-376-9

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. siding

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Felt paper</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Dark fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>50% Cellulose</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>50% Particulate</u>		
Total % Asbestos (sample)			<u>0%</u>

Comments: PG# 2001-02672

Sample ID #: IH-01-376-10

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. Siding

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Felt paper</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Block fibrous</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>456 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>556 Portland</u>		
Total % Asbestos (sample)		<u>08</u>	

Comments: PG# 2001-02672

Sample ID #: IH-01-376-11

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKowan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. Roof

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Iron Asphault Shingle</u>

Collected by: J.F.

Analyzed by: J. Gledhill

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black to w/ tan pebbles</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>7% Alkali</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>93% Portland</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PO# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: JH-01-376-12

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - Ext Roof

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Brown Asphault Shingle</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>black tar w/ fine pebbles</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>4% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>96% Portland Cement</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PG# 2001-02672

Sample ID #: IH-01-376-13

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT, 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. Roof

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing: <u>grey cement</u>
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
 Date: 6/8/01

Analyzed by: [Signature]  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black tan</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>56</u>		
Morphology	<u>irreg</u>		
Refractive Index Parallel/Perpendicular	<u>1.497/1.4576</u>		
Dispersion Colors Parallel/Perpendicular	<u>blue/irreg</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>irreg</u>		
Sign of Elongation (+/-)	<u>irreg</u>		
Pleochroism (color) Parallel/Perpendicular	<u>irreg</u>		
Birefringence (o.i.m,h)	<u>irreg</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>308 white</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>656 perlite</u>		
Total % Asbestos (sample)	<u>56 Chrysotile</u>		

Comments: PG# 2001-02672

Sample ID #: IH-01-376-14

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. Roof

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing: <u>grey cement</u>
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: \_\_\_\_\_

Date: 6/8/01

Date: \_\_\_\_\_

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)			
Type of Asbestos Present			
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)			
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present			
Total % Asbestos (sample)			

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: JH-01-376-15

Lab # 149-40

Client Name, Address: City of Middletown, 245 Dekonan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: J. Chue

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	B	C
Homogeneous (y,n)		
Gross Appearance (color, texture)	<u>off-white wallboard</u>	
Type of Asbestos Present		
Percent Asbestos	<u>06</u>	
Morphology		
Refractive Index		
Parallel/Perpendicular		
Dispersion Colors		
Parallel/Perpendicular		
Extinction Characteristics (parallel, oblique, wavy)		
Sign of Elongation (+/-)		
Pleochroism (color)		
Parallel/Perpendicular		
Birefringence (o.l.m,h)		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>128 cellulose</u>	
Non-Asbestos Fibers Optical Property		
Type(s) & Percent of (non-fibrous) Materials Present	<u>888 particulate</u>	
Total % Asbestos (sample)	<u>06</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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25 Science Park New Haven, CT (203)786-5580

Sample ID #: PH-01-376-16

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorlan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, -1<sup>st</sup> floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off white wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>00</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>60 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>94% Portland</u>		
Total % Asbestos (sample)	<u>00</u>		

Comments: PO# 7001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: FH-01-376-17

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorlan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Joint Compound</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
 Date: 6/8/01

Analyzed by: [Signature]  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>9</u> <u>white compact</u>		
Type of Asbestos Present			
Percent Asbestos	<u>86</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>14% cotton</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>86% Paralytic</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PO# 7001-02672

Sample ID #: IH-01-376-18

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint compound</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. DeLuca

Date: 6/8/01

Date: 7/14/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white / off white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>86 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>926 Portland</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PG# 2001-02672

Sample ID #: FH-01-376-19

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint compound</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Cady

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white/white compound</u>		
Type of Asbestos Present	<u>CB</u>		
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>9% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>91% Portland</u>		
Total % Asbestos (sample)		<u>CB</u>	

Comments: PG# 2001-02672

Sample ID #: IH-01-376-20

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorlan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>ceiling board</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white ceiling board</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20% white</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% parabolic</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PG# 2001-02672

Sample ID #: FH-01-376-21

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>ceiling board</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/19/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white ceiling board</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>22% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>78% substrate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-22

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, -1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
Date: 6/8/01

Analyzed by: J. Lohr  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>02</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Portland</u>		
Total % Asbestos (sample)		<u>02</u>	

Comments: PG# 2001-02672

Sample ID #: FH-01-376-23

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Colwe

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>14% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>86% Paraffin</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PC# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: FH-01-376-24

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. G. G.

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>00</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>00 cellular</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>912 Portland</u>		
<b>Total % Asbestos (sample)</b>		<u>00</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: FH-01-376-25

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>popcorn ceiling spray</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J. F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off white lumpy compound</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology	<u>CB</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>100 blue</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>900 parwhite</u>		
Total % Asbestos (sample)			<u>06</u>

Comments: PO# 2001-02672

Sample ID #: FH-01-376-26

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>paper on wall spray</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
Date: 6/8/01

Analyzed by: J. G. Gage  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white lumpy compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>SC Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>72% Parath</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PO# 2001-02672

Sample ID #: IH-01-376-27

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, —

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>pipe insulating spray</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>off-white lumpy compound</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology	<u>02</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>76 others</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>936 particulate</u>		
Total % Asbestos (sample)		<u>02</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: FH-01-376-28

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd Floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.  
Date: 6/8/01

Analyzed by: [Signature]  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>37% alkaline</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>63% Portland</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PC# 2001-02672

Sample ID #: IH-01-376-29

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J. F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/20/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>00</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>22% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>78% Portland</u>		
<b>Total % Asbestos (sample)</b>		<u>00</u>	

Comments: PG# 2001-02672

Sample ID #: IH-01-376-30

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
Date: 6/8/01

Analyzed by: [Signature]  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>66 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>946 Portland</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments: PGH 7001-02672

Sample ID #: IH-01-376-31

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	4		
Gross Appearance (color, texture)	<u>white compact</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>6% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>94% Particle</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PG# 7001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-32

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, -2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint compound</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Portland</u>		
<b>Total % Asbestos (sample)</b>		<u>0%</u>	

Comments: PO# 7001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-33

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>ceiling board</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
 Date: 6/8/01

Analyzed by: J. Cohen  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>off-white ceiling board</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% cellulose</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% Portland</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-34

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Ceiling board</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white ceiling board</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>186 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>82% portland</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PG# 7001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Lab # 149-40

Sample ID #: JH-01-376-35

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard, Compound:	Flooring Mastic:
Tank Insulation:	<u>jointcomp</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
 Date: 6/8/01

Analyzed by: J. Caplan  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>48 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>96 Portland</u>		
<b>Total % Asbestos (sample)</b>		<u>0%</u>	

Comments: PG# 2001-02672

Sample ID #: FH-01-376-38

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown, CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown, CT - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
HERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.  
Date: 6/8/01

Analyzed by: J. Ades  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present	<u>OC</u>		
Percent Asbestos			
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>OC cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>94% particulate</u>		
Total % Asbestos (sample)		<u>02</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571  
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Sample ID #: IH-01-376-311

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorau Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, -2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adame

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>Y</u>		
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>12% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>88% Portland</u>		
<b>Total % Asbestos (sample)</b>		<u>0%</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-38

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Text. ceiling coat</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white plaster</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>76 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>93% talc</u>		
<b>Total % Asbestos (sample)</b>		<u>03</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-39

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorlan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Textured ceiling coat</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. C. ...

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>off white + grey bumpy plaster</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology	<u>OB</u>		
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Portland</u>		
Total % Asbestos (sample)		<u>OB</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-40

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT - 2nd floor

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>textured ceiling coat</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y.n)			
Gross Appearance (color, texture)	<u>white flake</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Portland</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: PC# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-41

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Attic

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white beige wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>56</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>20 cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% paraffin</u>		
Total % Asbestos (sample)		<u>56</u>	

Comments: PG# 2001-02672

Sample ID #: FH-01-376-42

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Attic

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white wallboard</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>7.5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>756 particles</u>		
<b>Total % Asbestos (sample)</b>	<b><u>06</u></b>		

Comments: PG# 2001-02672

Sample ID #: JH-01-376-43

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06451

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Attic

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. O'Neil

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>4</u>		
Type of Asbestos Present	<u>white compound</u>		
Percent Asbestos			
Morphology	<u>CB</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particle</u>		
Total % Asbestos (sample)	<u>CB</u>		

Comments: PGH 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-44

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - AHA-C

Sample Type: (Indicated by an "X" in the applicable column below)		
HERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. C. [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>White compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>00</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o.l.m.h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>132 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>876 Particulate</u>		
Total % Asbestos (sample)		<u>00</u>	

Comments: PG# 2001-02672

Sample ID #: IH-01-376-45

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, -

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>joint comp.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% fatabale</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-46

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKoran Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - 1st flr. Apt 2

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Window caulking</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>beige/white fuzzy</u>		
Type of Asbestos Present			
Percent Asbestos	<u>00</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>56 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>956 Potash</u>		
Total % Asbestos (sample)		<u>00</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-01-376-47

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st Flr. Apt 2

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breaching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Window glazing.</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adair

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off white large grains</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% Particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-48

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st Flr. Apt 2

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Window glazing</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white beige granular</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology	<u>fib</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Ratio of Elongation (+/-)			
Birefringence (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Presence of Non-Asbestos Minerals Present (and %)	<u>4% calcite</u>		
Asbestos Fibers			
Mineral Property			
Presence of (s) & Percent of (non-asbestos) Materials Present	<u>91% portland cement</u>		
Total % Asbestos (sample)			

Comments: PC# 2001-02672

Sample ID #: IH-01-376-49

Lab # 149-40

Client Name, Address: City of Middletown, 295 DeKorlan Drive, Middletown CT 06457  
 Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - 2nd Fl. Apt. 6

Sample Type: (Indicated by an "X" in the applicable column below)

Boiler Insulation:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Breeching Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Pipe Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Joint Insulation:	Ceiling Plaster:	Glue Dots:
Duct Insulation:	Wall Plaster:	Vinyl Floor Tile:
Tank Insulation:	Wallboard Compound:	Flooring Mastic:
Flexible Duct Connector:		Linoleum:
Valve Body Insulation:		Roofing Material:
		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>parquet floor tile</u>

Collected by: J. F.  
 Date: 6/8/01

Analyzed by: [Signature]  
 Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan brown asbestos tile</u>		
Type of Asbestos Present			
Percent Asbestos			
Morphology	<u>06</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Direction of Elongation (+/-)			
Birefringence (color)			
Parallel/Perpendicular			
Interference (o.l.m.h)			
Presence of Non-Asbestos Minerals Present (and %)	<u>36 Chlorite</u>		
Asbestos Fibers			
Physical Property			
Percentage(s) & Percent of (non-asbestos) Materials Present	<u>976 Potash</u>		
1% Asbestos (sample)	<u>02</u>		

Comments: PG# 2001-02672

Sample ID #: IH-01-376-50

Lab # 149-40

Client Name, Address: City of Middletown, 245 Dekonan Drive, Middletown CT 0645

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd Flr. Apt 16

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Parquet Flr. tile</u>

Collected by: J.F.  
Date: 6/8/01

Analyzed by: [Signature]  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	Polarized Light Microscopy with Dispersion Staining		
	A	B	C
Homogeneous (y,n)			
Appearance (color, texture)	<u>tan + brown broken tile</u>		
Presence of Asbestos			
Identified Asbestos			
Morphology	<u>OC</u>		
Birefractive Index			
Refractive Index (parallel/Perpendicular)			
Dispersion Colors			
Refractive Index (parallel/Perpendicular)			
Optical Characteristics (parallel, oblique, wavy)			
Elongation (+/-)			
Birefringence (color)			
Refractive Index (parallel/Perpendicular)			
Refractive Index (o, l, m, h)			
Presence of Non-Asbestos			
Percentage Present (and %)	<u>5% fibers</u>		
Asbestos Fibers			
Optical Property			
Percent of (non-Asbestos) Materials Present	<u>95% Portland</u>		
Asbestos (Sample)			

Reference: PC# 2001-02672 08

Sample ID #: IH-01-376-51

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd flr. Apt 6

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>concrete tile glue</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>4 tan glue</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5-7 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-brous) Materials Present	<u>95% fabric</u>		
Total % Asbestos (sample)	<u>06</u>		

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-52

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06451

Sample Location: (Including Room, Building) 12 Miller St. Middletown CT, - 2nd Flr. Apt 8

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Ceramic tile glue</u>

Collected by: J.F.

Analyzed by: [Signature]

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>tan glue</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>76 Cellulose</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>936 Particulate</u>		
Total % Asbestos (sample)		<u>08</u>	

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-53

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorva Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd Flr. Apt 8

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>chumney coating</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Jones

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>white compound/plaster</u>		
Type of Asbestos Present			
Percent Asbestos	<u>06</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Biochromism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Color(s) of Non-Asbestos Minerals Present (and %)	<u>106 color</u>		
Asbestos Fibers			
Optical Property			
Color(s) & Percent of (non-asbestos) Materials Present	<u>906 Particulate</u>		
Total % Asbestos (sample)	<u>06</u>		

Comments: PG# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571

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Sample ID #: IH-01-376-54

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd Fl, Apt-8

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Chimney Coating</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J. F.

Date: 6/8/01

Analyzed by: J. Adams

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>4</u>		
Type of Asbestos Present	<u>white cement/plaster</u>		
Percent Asbestos			
Morphology	<u>06</u>		
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>86 Cellulose</u>		
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>922 Particulate</u>		
Total % Asbestos (sample)		<u>02</u>	

Comments: PG# 2001-02672

Sample ID #: IH-01-376-55

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKovan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2nd flr Apt 8

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Chimney coating</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: J. Adams

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound / plate</u>		
Type of Asbestos Present			
Percent Asbestos	<u>56</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>156</u>	<u>chalc</u>	
Non-Asbestos Fibers			
Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90%</u>	<u>parab</u>	
Total % Asbestos (sample)		<u>56</u>	

Comments: PG# 2001-02672

Sample ID #: JH-01-376-4 Qc

Lab # 149-40

Client Name, Address: City of Middletown, 245 Belknap Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - Ext. 1<sup>st</sup> Floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>Type 1 window glass</u>

Collected by: J.F.

Analyzed by: Therese Chamberland

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Tan/beige granular</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: QC#4

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571  
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Sample ID #: PH-01-376-15 QC

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorvan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard: <input checked="" type="checkbox"/>
		Other:

Collected by: J. F.

Analyzed by: Theresa Chaudhury

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white cement fibers</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: QC # 15

Sample ID #: IH-01-376-25 Qc #25

Lab # 149-40

Client Name, Address: City of Middletown, 245 Pelham Drive, Middletown CT 06455

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 1st floor

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>peppermint oil spray</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: Therese Chamberland

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>off-white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: Qc #25

Sample ID #: IH-01-376-35 Qc

Lab # 149-40

Client Name, Address: City of Middletown, 245 DeKorn... Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, - 2<sup>nd</sup> floor

Sample Type: (Indicated by an "X" in the applicable column below)

THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard, Compound:	Flooring Mastic:
Tank Insulation:	<u>junctions</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F.

Analyzed by: Thuy Chamberland

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>5% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>95% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: Qc # 35

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571  
 The results of this analysis were obtained by a qualified individual using approved methodology, and relate only to the items tested. This report cannot be used by the client to claim product endorsement by the National Voluntary Laboratory Accreditation Program (NVLAP) or any other agency of the U.S. Government.  
 4/97 Rev.

Lab # 149-40

Sample ID #: IH-01-376-45QC

Client Name, Address: City of Middletown, 245 Dekonan Drive, Middletown CT 06457

Sample Location: (Including Room, Building) 12 Miller St, Middletown CT, -

Sample Type: (Indicated by an "X" in the applicable column below)		
THERMAL SYSTEMS INSULATION:	SURFACING MATERIAL:	MISCELLANEOUS MATERIAL:
Boiler Insulation:	Spray-on Fireproofing:	Susp. Ceiling Tile:
Breeching Insulation:	Acoustical Plaster:	Fixed Ceiling Tile:
Pipe Insulation:	Ceiling Plaster:	Glue Dots:
Pipe Joint Insulation:	Wall Plaster:	Vinyl Floor Tile:
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:	<u>Joint Comp</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other: <u>A</u>

Collected by: J.F.

Analyzed by: Therese Chamberland

Date: 6/8/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index Parallel/Perpendicular			
Dispersion Colors Parallel/Perpendicular			
Extinction Characteristics (parallel, oblique, wavy)			
Sign of Elongation (+/-)			
Pleochroism (color) Parallel/Perpendicular			
Birefringence (o,l,m,h)			
Type(s) of Non-Asbestos Fibers Present (and %)	<u>15% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>85% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: QC#45

NVLAP Lab Code #1514 Mass. Certificate #A A 000049 NY Lab # 11187 CT Lab #PH-0571  
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 4/97 Rev.