



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

prepared for:

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

June 11, 2001

EnviroMed Project # IH-01-376

25 Science Park • New Haven, CT 06511  
(203) 786-5580 • facsimile (203) 786-5579

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## I. PROJECT NARRATIVE

### Overview

On June 11, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at 32 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 thirty six (36) bulk samples were collected (the sample log and results table shows 37 samples, in which sample #17 is void). The materials sampled include: pink linoleum, white linoleum, red linoleum, wallboard and joint compound, ceiling board and joint compound, faux brick adhesive, 12"x12" yellow self-adhesive vinyl floor tile, 12"x12" white self-adhesive vinyl floor tile, ceramic tile glue, wood paneling glue, exterior wall paper on insulation behind vinyl siding, black asphalt roof single, roofing felt paper, black flashing cement, and basement exterior window glazing.

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.

### Roofs

There is approximately 25 square feet of black flashing cement located around the base of the chimney and the roof vent, along the interface between lower and upper roofs, and one patch area on the lower roof. This material was found to contain 20 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: pink linoleum, white linoleum, red linoleum, wallboard and joint compound, ceiling board and joint compound, faux brick adhesive, 12"x12" yellow self-adhesive vinyl floor tile, 12"x12" white self-adhesive vinyl floor tile, ceramic tile glue, wood paneling glue, exterior wall paper on insulation behind vinyl siding, black asphalt roof single, roofing felt paper, and basement exterior window glazing.

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

### **Additional Notes:**

1. EnviroMed strongly recommends the use of Transmission Electron Microscopy (TEM) on vinyl floor tiles in cases where both the vinyl floor tile and flooring mastic were found to contain 1% or less asbestos using Polarized Light Microscopy (PLM). PLM has been found to give "false negative" results on floor tile samples due to the fact that the asbestos fibers are tightly bound into the matrix of the floor tile. As a result the asbestos cannot be easily detected using PLM. The use of the TEM analytical method will definitively determine whether or not the floor tile contains legally significant amounts of asbestos.
2. 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.
3. 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	first floor kitchen	pink linoleum	NAD
2	first floor kitchen	pink linoleum	NAD
3	first floor kitchen	white linoleum	NAD
4	first floor kitchen	white linoleum	NAD
5	first floor living room	red linoleum	NAD
6	first floor living room	red linoleum	NAD
7	first floor kitchen	wallboard/sheetrock	NAD
8	first floor kitchen	wallboard/sheetrock	NAD
9	first floor kitchen	wallboard joint compound	NAD
10	first floor hall	wallboard joint compound	NAD
11	first floor bathroom	wallboard joint compound	NAD
12	first floor kitchen	faux brick adhesive	NAD
13	first floor kitchen	faux brick adhesive	NAD
14	first floor living room	ceiling board/sheetrock	NAD
15	first floor kitchen	ceiling board/sheetrock	NAD
16	first floor kitchen	ceiling board joint compound	NAD
17	void	void	void
18	first floor kitchen	ceiling board joint compound	NAD
19	first floor bathroom	12"x12" yellow self-adhesive vinyl floor tile	NAD
20	first floor bathroom	12"x12" yellow self-adhesive vinyl floor tile	NAD
21	basement stair	12"x12" white self-adhesive vinyl floor tile	NAD
22	basement stair	12"x12" white self-adhesive vinyl floor tile	NAD
23	first floor bathroom	ceramic tile glue	NAD
24	first floor bathroom	ceramic tile glue	NAD
25	first floor hall	wood paneling glue	NAD

Sample Number	Location	Material Sampled	Percent Asbestos
26	first floor hall	wood paneling glue	NAD
27	exterior east wall	paper on foam insulation behind vinyl siding	NAD
28	exterior east wall	paper on foam insulation behind vinyl siding	NAD
29	upper roof	black asphalt roof shingle	NAD
30	upper roof	black asphalt roof shingle	NAD
31	upper roof	felt paper under black asphalt roof shingle	NAD
32	upper roof	felt paper under black asphalt roof shingle	NAD
33	upper roof base of chimney	black flashing cement	20
34	upper roof base of chimney	black flashing cement	NA
35	basement window	exterior window glazing	NAD
36	basement window	exterior window glazing	NAD
37	basement window	exterior window glazing	NAD

NAD - No Asbestos Detected

NA - Not Analyzed According to AHERA Protocol

### 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 # 149-39

Client Name, Address: City of Middletown  
245/DeKoven Drive. 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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: <u>pink</u>
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Thuy Chamberland  
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>pink linoleum / l. gray 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)	<u>9% Fiberglass</u>		
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>70% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>19%</u>		

Comments: PO# 2001-02672 Asbest style

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 #: I.H-01-376-2

Lab # 149-39

Client Name, Address: City of Middletown  
2477 DeFaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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: <u>pink</u>
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Thuy Chamberland

Date: 06/11/01

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>pink linoleum / grey 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)	<u>1 Fiberglass</u>		
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>80% particulate</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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**Bulk Asbestos Analysis Report**

EnviroMed Services, Inc.

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

Sample ID #: IH-01-376-3

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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: <u>white</u>
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Thuy Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white linoleum / gray 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)	<u>of Fiberglass</u>		
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>70% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

EnviroMed Services, Inc.

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

Sample ID #: IH-01-376-4

Lab # 149-39

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

Sample Location: (Including Room, Building) 32 Miller St, -

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: <u>White</u>
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Therese Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white lindenmyl. grey 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)	<u>of Fiberglass</u>		
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>75% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: I.H-01-376-5

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Living Room

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: <u>Red</u>
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Ther. Chamberland

Date: 06/11/01

Date: 7/1/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>Y</u>		
Gross Appearance (color, texture)	<u>Red linoleum fl. gray 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>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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Bulk Asbestos Analysis Report

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

Enviromed Services, Inc.

Sample ID #: IH-01-376-6

Lab # 149-39

Client Name, Address: City of Middletown  
2497 De Haven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Living Room

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:

Collected by: J.F. & R.G.

Analyzed by: Theresa Chamberland

Date: 06/11/01

Date: 7/19/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Red lino / l. Gray 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>20% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>80% particulate</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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**Bulk Asbestos Analysis Report**

Enviromed Services, Inc.

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

Sample ID #: I.H-01-376-7

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DEKORUM DRIVE, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

**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. & R.G.

Analyzed by: Therese Chamberland

Date: 06/11/01

Date: 7/19/01

**Analytical Method:** Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	Y		
Gross Appearance (color, texture)	off-white cement fibers		
Type of Asbestos Present			
Percent Asbestos	0%		
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 %)	5% Cellulose		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	95% particulate		
<b>Total % Asbestos (sample)</b>	0%		

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-01-376-8

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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. & R.G.

Analyzed by: Thy Chamberland

Date: 06/11/01

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 cementitious</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>3% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>97% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PU# 2001-02672

**Bulk Asbestos Analysis Report**

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

**EnviroMed Services, Inc.**

Sample ID #: I.H-01-376-9

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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:
Refrigerating 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:
Blank Insulation:	<u>Joint Compound</u>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Therese O'Rourke  
Date: 7/11/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)	<u>Y</u>		
Cross Appearance (color, texture)	<u>Gray compound</u>		
Type of Asbestos Present			
Percent Asbestos	<u>0%</u>		
Morphology			
Refractive Index			
Parallel/Perpendicular			
Dispersion Colors			
Parallel/Perpendicular			
Friction Characteristics (parallel, oblique, wavy)			
Direction of Elongation (+/-)			
Birefringence (color)			
Parallel/Perpendicular			
Birefringence (o,l,m,h)	<u>7 Fiberglass</u>		
Presence of Non-Asbestos Minerals Present (and %)	<u>10% Cellulose</u>		
Non-Asbestos Fibers			
Mineral Property			
Percentage & Percent of (non-asbestos) Materials Present	<u>85% particulate</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 #: IH-01-376-10

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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. & R.G.

Analyzed by: Ther Crumland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Gray 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)	<u>10% Fiberglass</u>		
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>80% particulate</u>		
Total % Asbestos (sample)	<u>0%</u>		

Comments: PO# 2001-02672

Sample ID #: IH-01-376-11

Lab # 149-39

Client Name, Address: City of Middletown  
245/DeKoven Drive. 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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. & R.G.

Analyzed by: Theresa Chaudhury

Date: 06/11/01

Date: 7/11/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Grey 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)	<u>of Fiberglass</u>		
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>85% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

EnviroMed Services, Inc.

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

Sample ID #: IH-01-376-12

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Dehaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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>Faux Brick Adhesive</u>

Collected by: J.F. & R.G.

Analyzed by: Thy Chamberland

Date: 06/11/01

Date: 7/19/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>4</u>		
Gross Appearance (color, texture)	<u>Beige cementitious</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>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

Enviromed Services, Inc.

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

Sample ID #: IH-01-376-13

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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>Faux Brick Adhesive</u>

Collected by: J.F. & R.G.

Analyzed by: Thuy Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Beige cementitious</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>		
<b>Total % Asbestos (sample)</b>	<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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Rev. 10/98

**Bulk Asbestos Analysis Report**

Enviromed Services, Inc.

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

Sample ID #: IH-01-376-14

Lab # 149-39

Client Name, Address: City of Middletown  
245 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Living Room

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: <u>ceiling</u>
		Other:

Collected by: J.F. & R.G.

Analyzed by: Theresa Chamberland

Date: 06/11/01

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 cementitious</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: PU# 2001-02672

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

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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: IH-01-376-15

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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: <u>ceiling</u>
		Other:

Collected by: J.F. & R.G.

Analyzed by: Therese Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>white cementitious</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>3% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>97% particulate</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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**Bulk Asbestos Analysis Report**

EnviroMed Services, Inc.

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

Sample ID #: IH-01-376-16

Lab # 199-39

Client Name, Address: City of Middletown  
2457 Delaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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. & R.G.  
Date: 06/11/01

Analyzed by: Thuy Chamberland  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>7</u>		
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)	<u>of Fiberglass</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>3% 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: PO# 2001-02672

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

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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: I.H-01-376-18

Lab # 149-39

Client Name, Address: City of Middletown  
2457/Delaware Drive. 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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:	<i>joint compound</i>	Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Therese Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<i>off-white compound</i>		
Type of Asbestos Present			
Percent Asbestos	<i>0%</i>		
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)	<i>27 fibers</i>		
Type(s) of Non-Asbestos Fibers Present (and %)	<i>5% cellulose</i>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<i>93% particulate</i>		
<b>Total % Asbestos (sample)</b>	<b>1%</b>		

Comments: PO# 2001-02672

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

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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: IH-01-376-19

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delcoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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: <u>12" yellow</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Thuy Chamberland  
Date: 7/9/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>Y</u>		
Gross Appearance (color, texture)	<u>yellow tile</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: PO# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 00049 NY Lab # 11187 CT Lab #PH-0571  
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Sample ID #: I.H-01-376-20

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Dehaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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: <u>12" x 6" blue</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Theresa Chamberland

Date: 06/11/01

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

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>1 pl tile</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: PO# 2001-02672

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

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**Bulk Asbestos Analysis Report**

Enviromed Services, Inc.

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

Sample ID #: I.M-01-376-21

Lab # 149-39

Client Name, Address: City of Middletown  
245/DeLaven Drive. 06457

Sample Location: (Including Room, Building) 32 Miller St., - BSMT stair

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: <u>12" / white</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Thy Chamberland

Date: 06/11/01

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>Black/Beige Rubber</u>		
Type of Asbestos Present			
Percent Asbestos	<u>99</u>		
Morphology	<u>6</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>4% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>96% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>99</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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25 Science Park New Haven, CT (203)786-5580

Sample ID #: I.H-01-376-22

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delcoven Drive, CT 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bsmt Stair

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: <u>12" white</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Thuy Chamberland  
Date: 7/12/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Beige/Black lathery</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: PO# 2001-02672

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

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**Bulk Asbestos Analysis Report**

**Enviromed Services, Inc.**

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

Sample ID #: IH-01-376-23

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaven Drive. 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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. & R.G.

Analyzed by: Tracy Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Brown/yel. glue - 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>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: I.H-01-376-24

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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. & R.G.

Analyzed by: Tracy Chamberlain

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Brown/yel glue-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>25% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PO# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A 000049 NY Lab # 11187 CT Lab #PH-0571  
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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: I.H-01-376-25

Lab # 149-39

Client Name, Address: City of Middletown  
245/DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St., - Hall

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>Wood panel glue</u>

Collected by: J.F. & R.G.

Analyzed by: Henry Chamberland

Date: 06/11/01

Date: 7/1/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)	<u>+</u>		
Gross Appearance (color, texture)	<u>Brown/yel glue</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>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: IH-01-376-26

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, -

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>Wood panel glue</u>

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Therese Chaudhury  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Brown/yel glue</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% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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**Bulk Asbestos Analysis Report**

**Enviromed Services, Inc.**

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

Sample ID #: I.H-01-376-27

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaquer Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Exterior

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>paper on exterior insulation</u>

Collected by: J.F. & R.G.

Analyzed by: Theresa C. ...

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PO# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A 000049 NY Lab # 11187 CT Lab #PH-0571  
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Sample ID #: IH-01-376-28

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKalven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, -

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>Asbestos ext. insulation</u>

Collected by: J.F. & R.G.

Analyzed by: Therese Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>25% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PO# 2001-02672

Sample ID #: IH-01-376-29

Lab # 149-39

Client Name, Address: City of Middletown  
2457 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Exterior/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: <u>Blk Shingle - Asph.</u>
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Theresa Chamberlain

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>30% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>70% particulate</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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**Bulk Asbestos Analysis Report**

Enviromed Services, Inc.

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

Sample ID #: IH-01-376-30Lab # 149-39Client Name, Address: City of Middletown  
245/DeKoven Drive. 06457Sample Location: (Including Room, Building) 32 Miller St, - 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: <u>81K Asphalt shingle</u>
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.Analyzed by: Timmy ClarklandDate: 06/11/01Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>25% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non- fibrous) Materials Present	<u>75% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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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Rev. 10/98

**Bulk Asbestos Analysis Report**

**EnviroMed Services, Inc.**

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

Sample ID #: I.H-01-376-31

Lab # 149-39

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

Sample Location: (Including Room, Building) 32 Miller St, - 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: <u>Felt</u>
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.  
Date: 06/11/01

Analyzed by: Tracy Chamberland  
Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>45% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>55% particulate</u>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PO# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A 000049 NY Lab # 11187 CT Lab #PH-0571  
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**Bulk Asbestos Analysis Report**

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

**EnviroMed Services, Inc.**

Sample ID #: I.H-01-376-32

Lab # 149-39

Client Name, Address: City of Middletown  
245 DeKoven Drive - 06457

Sample Location: (Including Room, Building) 32 Miller St, - 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: <u>Felt</u>
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: Tony Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black 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>		
<b>Total % Asbestos (sample)</b>	<u>0%</u>		

Comments: PO# 2001-02672

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

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

Sample ID #: I.H-01-376-33Lab # 149-39Client Name, Address: City of Middletown  
245 Delcoen Drive. 06457Sample Location: (Including Room, Building) 32 Miller St, - 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>Blk Flash compound</u>
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.Analyzed by: Tracy ChamberlandDate: 06/11/01Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black Fibers</u>		
Type of Asbestos Present	<u>Chrysotile</u>		
Percent Asbestos	<u>20%</u>		
Morphology	<u>wavy</u>		
Refractive Index Parallel/Perpendicular	<u>1.556 / 1.547</u>		
Dispersion Colors Parallel/Perpendicular	<u>Magenta / Blue</u>		
Extinction Characteristics (parallel, oblique, wavy)	<u>P</u>		
Sign of Elongation (+/-)	<u>+</u>		
Pleochroism (color) Parallel/Perpendicular	<u>N</u>		
Birefringence (o,l,m,h)	<u>v</u>		
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>60% particulate</u>		
Total % Asbestos (sample)	<u>20% Chrysotile</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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Rev. 10/98

Sample ID #: IH-01-376-34

Lab # 199-39

Client Name, Address: City of Middletown  
2457 DeLaven Drive - 06457

Sample Location: (Including Room, Building) 32 Miller St, - 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>BK Flash compound</u>
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

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

Date: 06/11/01

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			
<b>Total % Asbestos (sample)</b>			

Comments: PO# 2001-02672

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

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**Bulk Asbestos Analysis Report**

EnviroMed Services, Inc.

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

Sample ID #: I.H-01-376-35

Lab # 149-39

Client Name, Address: City of Middletown  
2457 De Haven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Ex., Bsmnt window

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

HEATING 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>Bsmnt window glazing</u>

Collected by: J.F. & R.G.

Analyzed by: Tracy Chamberland

Date: 06/11/01

Date: 7/1/01

**Analytical Method: Polarized Light Microscopy with Dispersion Staining**

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Brown glazing</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: PC# 2001-02672

NVLAP Lab Code #1514 Mass. Certificate #A A 00049 NY Lab # 11187 CT Lab #PH-0571

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

Sample ID #: IH-01-376-36

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delcoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, -Ext, Brnt. window

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>Brnt window glazing</u>

Collected by: J.F. & R.G.

Analyzed by: Theresa Chamberland

Date: 06/11/01

Date: 7/19/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining

	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>brown granular</u>		
Type of Asbestos Present	<u>cro</u>		
Percent Asbestos	<u>0%</u>		
Morphology	<u>6</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% particulate</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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25 Science Park New Haven, CT (203)786-5580

Sample ID #: IH-01-376-37

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Ext., Brnt window

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>Brnt window glazing</u>

Collected by: J.F. & R.G.

Analyzed by: Weg Chamberland

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Brown glazing</u>		
Type of Asbestos Present	<u>0%</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>10% Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>90% particulate</u>		
<b>Total % Asbestos (sample)</b>	<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 #: IH-01-376-10 OC

Lab # 149-39

Client Name, Address: City of Middletown  
2407 DeKoven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Kitchen

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. & R.G.  
 Date: 06/11/01

Analyzed by: [Signature]  
 Date: 7/16/01

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>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)	<u>100 fibers per</u>		
Type(s) of Non-Asbestos Fibers Present (and %)	<u>100 asbestos</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>100 asbestos</u>		
Total % Asbestos (sample)		<u>06</u>	

Comments: OC-110

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 #: I.H.-01-376-2000

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Dehaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - Bath

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: <u>12" x 6" tile</u>
Duct Insulation:	Wallboard Compound:	Flooring Mastic:
Tank Insulation:		Linoleum:
Flexible Duct Connector:		Roofing Material:
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: [Signature]

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>yellow fib</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>36 Cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>976 Paraffin</u>		
Total % Asbestos (sample)		<u>0%</u>	

Comments: CC #20

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

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Sample ID #: I.H-01-376-300

Lab # 149-39

Client Name, Address: City of Middletown  
2457 Delaven Drive, 06457

Sample Location: (Including Room, Building) 32 Miller St, - 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: <u>Blk. Asphalt shingle</u>
Valve Body Insulation:		Roof Flashing:
		Transite:
		Wallboard:
		Other:

Collected by: J.F. & R.G.

Analyzed by: [Signature]

Date: 06/11/01

Date: 7/10/01

Analytical Method: Polarized Light Microscopy with Dispersion Staining			
	A	B	C
Homogeneous (y,n)			
Gross Appearance (color, texture)	<u>Black fibrous</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>25% cellulose</u>		
Non-Asbestos Fibers Optical Property			
Type(s) & Percent of (non-fibrous) Materials Present	<u>75% particulate</u>		
Total % Asbestos (sample)		<u>75</u>	

Comments: OC #30

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