

CONNOR

ENVIRONMENTAL
SERVICES AND
ENGINEERING
ASSESSMENTS

PREPARED FOR:

WASHINGTON METROPOLITAN AREA
TRANSIT AUTHORITY
3101 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22314

**ASBESTOS-CONTAINING MATERIALS SURVEY
AT
ROYAL STREET BUS DIVISION
600 N. ROYAL STREET
ALEXANDRIA, VA 22314**

ENVIRONMENTAL SITE
ASSESSMENTS

ENGINEERING,
STRUCTURAL AND
MECHANICAL INSPECTIONS

LEAD PAINT SURVEYS

RISK ASSESSMENTS

CAPITAL NEEDS
ASSESSMENTS

ASBESTOS SURVEYS

EXPERT TESTIMONY

LEAD HAZARD
REDUCTION SUPPLIES

TRAINING

CLEANING SERVICES

PREPARED BY:

CONNOR ENVIRONMENTAL SERVICES
AND ENGINEERING ASSESSMENTS
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CONTRACT NO.:
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JULY 14, 1998

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EXECUTIVE SUMMARY

On July 14, 1998, CONNOR Environmental Services & Engineering Assessments, a division of MIRCON, Inc., (the "Consultant") conducted an Asbestos-Containing Materials (ACM) Survey at the Royal Street Bus Division. The following buildings were included in the survey:

- o Royal Street Bus Garage
- o Service Lane Building

The following table shows all ACM's, their location and the quantity as well as their condition and the method used to determine the presence of asbestos. (Note: All locations are in the Royal Street Bus Garage unless otherwise noted.) The locations are presented on the maps in Appendix D.

MATERIAL	LOCATION	QUANTITY	CONDITION	METHOD
Plaster Ceiling	2 nd Floor Depot Office Area	1,100 SF	Poor	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Janitor's Closet	50 SF	Good	Laboratory Analysis
Orange 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Lounge	2,200 SF	Good	Laboratory Analysis
Orange 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Office Area	120 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Office Area	300 SF	Good	Laboratory Analysis
White 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
White 9" x 9" Vinyl Floor Tiles and Mastic	Depot Men's Room	75 SF	Good	Laboratory Analysis
White 9" x 9" Vinyl Floor Tiles and Mastic	Janitor's Closet	50 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Body Shop Storage	100 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Supervisor's Office	84 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Middle Maintenance Office	84 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Front Maintenance Office	72 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Store Room	180 SF	Good	Laboratory Analysis

MATERIAL	LOCATION	QUANTITY	CONDITION	METHOD
Black 9" x 9" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Body Shop Storage	100 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Supervisor's Office	84 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Middle Maintenance Office	84 SF	Fair	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Front Maintenance Office	72 SF	Fair	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Store Room	180 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Storeroom Office Closet	20 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Store Room	360 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Storage Area	225 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Tan 9" x 9" Vinyl Floor Tiles and Mastic	Storeroom Bathroom	60 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	Storeroom Bathroom	10 SF	Good	Laboratory Analysis
Aircell Pipe Insulation	Goodyear Area	10 LF	Good	Assumed
Fire Doors	Throughout Both Buildings	50 EA	Good	Assumed
Roofing Materials	Roof - Both Buildings	60,000 SF	Good	Assumed

INTRODUCTION

CONNOR Environmental Services & Engineering Assessments, a division of MIRCON, Inc., (the "Consultant") contracted with Washington Metropolitan Area Transit Authority (WMATA) (the "Client") to conduct an Asbestos-Containing Materials Survey of the Royal Street Bus Division (the "Project Site"). The scope-of-services were outlined in the proposal dated November 13, 1997. These services have been incorporated into the Asbestos-Containing Materials Survey.

The purpose of this report ("Asbestos-Containing Materials Survey") is limited to providing the Client a limited environmental assessment concerning environmental conditions, specified in the report, and evident at the site at the time of the assessment. This Asbestos-Containing Materials Survey is designed only for the identification of environmental conditions and shall not be utilized for remediation or abatement. Consultant does not assume responsibility for the discovery and elimination of potential hazards that could cause accidents, injuries, or damage. This assessment includes conditions, operations, and practices as observed during the site walk through. Changes, procedural modifications, or facility renovations made after the site assessment are not included.

Surveyed by: John O'Connor

Written by: John O'Connor

Reviewed by: Timothy C. Connor, REA

Timothy C. Connor
Timothy C. Connor, REA
Vice President

10/16/98
Date

John O'Connor
John O'Connor

10/15/98
Date

ASSESSMENT APPROACH

An on-site Asbestos-Containing Materials Survey was conducted at the Royal Street Bus Division. (Inspector training certificates are included in Appendix A.) The weather condition was clear with temperatures of 78 (°F). The assessment consisted of sampling suspect asbestos-containing materials pursuant to the requirements of the Code of Federal Regulations, Title 29 (Occupational Safety and Health), Part 1910 (Occupational Safety and Health Standards, Section 1001 (Asbestos), Subsection j (Communication of Hazards to Employees). The assessment was to be sufficient to enable Consultant to issue a professional opinion concerning the Project Site status (based on recorded fact) as related to the following regulated activities:

Determine if the Project Site contains, in the areas surveyed, the following:

- o **Materials containing greater than one percent (1%) asbestos** as determined using the method defined in the Code of Federal Regulations, Title 40 (Protection of Environment); Part 763 (Asbestos); Appendix A to Subpart F (Interim Method of the Determination of Asbestos in Bulk Insulation Samples); Section I (Polarized Light Microscopy). This includes materials (Category I Non-Friable, Category II Non-Friable and Friable) defined in the Code of Federal Regulations, Title 40 (Protection of Environment); Part 61 (National Emission Standards of Hazardous Air Pollutants); Subpart M (National Emission Standard for Asbestos); Section 141 (Definitions).

In addition, the assessment was conducted to satisfy the requirements of:

- o The Code of Federal Regulations, Title 29 (Occupational Safety and Health), Part 1910 (Occupational Safety and Health Standards, Section 1001 (Asbestos), Subsection j (Communication of Hazards to Employees).

The laboratory report lists the samples taken from the Project Site and the laboratory analysis results using polarized light microscopy with dispersion staining for asbestos (Interim Method for the Determination of Asbestos in Bulk Insulation Sample - EPA 600/M4-82-020). The Consultant does not assume responsibility for interpretation of test results beyond what is printed in this analytical report.

PROJECT SITE RECONNAISSANCE

Regulated Asbestos-Containing Materials (RACM)

No previous Asbestos Survey Reports were available for this facility.

During the course of our assessment, suspect asbestos-containing materials (ACM) were observed in the following forms:

- o Suspect Category I Non-Friable material
 - Vinyl floor tiles and associated mastic
 - Roofing materials
- o Suspect Category II Non-Friable material
 - Drywall
 - Joint compound
 - Ceiling plaster
 - Cove base molding
- o Suspect Friable material
 - Boiler insulation
 - 2'x4' ceiling tile
 - 2'x2' ceiling tile
 - 1'x1' ceiling tile

Suspect asbestos-containing materials, observed in the form of roofing materials, were not sampled at the time of the assessment because effective roof repairs were not practical and sampling can invalidate existing roof warranties. Sampling of the roof may be done in conjunction with scheduled equipment installation or roof repairs. These materials must be presumed asbestos-containing material (PACM) until sampling is conducted to confirm or deny the presence of asbestos.

Sampling Activities

Representative samples of the accessible suspect asbestos-containing materials were obtained. The following table lists the samples taken, their location/description, and the findings of the laboratory analysis results. Laboratory data sheets are contained in Appendix B. Sample locations are presented in maps in Appendix C.

SAMPLE NUMBER	LOCATION	DESCRIPTION	ASBESTOS CONTAININ G YES/NO	PHOTO NUMBER
JOC01A	Boiler Room	Boiler Insulation	No	N/A
JOC01B	Boiler Room	Boiler Insulation	No	N/A
JOC01C	Boiler Room	Boiler Insulation	No	N/A
JOC02A	Depot Lounge	2'x4' Ceiling Tile, White, Gypsum, ¾"	No	N/A
JOC02B	Depot Locker Room	2'x4' Ceiling Tile, White, Gypsum, ¾"	No	N/A
JOC02C	Supervisor's Office	2'x4' Ceiling Tile, White, Gypsum, ¾"	No	N/A
JOC03A	Depot Office	Perforated Dot 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC03B	Depot Office	Perforated Dot 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC03C	Depot Lounge	Perforated Dot 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC04A	Depot Office Area	Drywall	No	N/A
JOC04B	Supply Room	Drywall	No	N/A
JOC04C	Mechanic's Locker Room	Drywall	No	N/A
JOC05A	Mechanic's Locker Room	Joint Compound	No	N/A
JOC05B	Mechanic's Locker Room	Joint Compound	No	N/A
JOC05C	Mechanic's Locker Room	Joint Compound	No	N/A
JOC06	Mechanic's Locker Room	Drywall/Joint Compound Composite	No	N/A
JOC07A	Reception Area	Flat 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC07B	Storeroom Closet	Flat 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC07C	Storeroom Closet	Flat 1'x1' Ceiling Tile, White, Gypsum, ½"	No	N/A
JOC08A	Service Lane Building	Plaster Ceiling	No	N/A
JOC08B	Service Lane Building	Plaster Ceiling	No	N/A
JOC08C	Service Lane Building	Plaster Ceiling	No	N/A

SAMPLE NUMBER	LOCATION	DESCRIPTION	ASBESTOS CONTAINING YES/NO	PHOTO NUMBER
JOC08D	Service Lane Building	Plaster Ceiling		
JOC08E	Service Lane Building	Plaster Ceiling	No	N/A
JOC09A	Depot Lounge	Ceiling Plaster	No	N/A
JOC09B	Depot Lounge	Ceiling Plaster	No	N/A
JOC09C	Depot Lounge	Ceiling Plaster	Yes	07
JOC09D	Depot Office Area	Ceiling Plaster	No	N/A
JOC09E	Depot Office Area	Ceiling Plaster	No	N/A
JOC10A1	Supervisor's Office	Cove Base Molding	No	N/A
JOC10A2	Supervisor's Office	Cove Base Molding, Mastic	No	N/A
JOC10B1	Mechanic's Locker Room	Cove Base Molding	No	N/A
JOC10B2	Mechanic's Locker Room	Cove Base Molding, Mastic	No	N/A
JOC10C1	Middle Office	Cove Base Molding		
JOC10C2	Middle Office	Cove Base Molding, Mastic	No	N/A
JOC11A1	Front Office	Black 9" x 9" Vinyl Floor Tiles, 1/8"	No	N/A
JOC11A2	Front Office	Black 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC11B1	Supply Room	Black 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	05
JOC11B2	Supply Room	Black 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC11C1	Goodyear Area	Black 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	05
JOC11C2	Goodyear Area	Black 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC12A1	Supply Room	Red 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	05
JOC12A2	Supply Room	Red 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC12B1	Front Office	Red 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	05
JOC12B2	Front Office	Red 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC12C1	Goodyear area	Red 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	05
JOC12C2	Goodyear area	Red 9" x 9" Vinyl Floor Tiles, Mastic	Yes	05
JOC13A1	Supervisor's Office	Tan with white streaks, 12" x 12" vinyl floor tiles, 1/8"	No	N/A
JOC13A2	Supervisor's Office	Tan with white streaks, 12" x 12" vinyl floor tiles, mastic	No	N/A
JOC13B1	Storeroom Office	Tan with white streaks, 12" x 12" vinyl floor tiles, 1/8"	No	N/A
JOC13B2	Storeroom Office	Tan with white streaks, 12" x 12" vinyl floor tiles, mastic	No	N/A

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SAMPLE NUMBER	LOCATION	DESCRIPTION	ASBESTOS CONTAINING YES/NO	PHOTO NUMBER
JOC13C1	Front Office	Tan with white streaks, 12" x 12" vinyl floor tiles, 1/8"	No	N/A
JOC13C2	Front Office	Tan with white streaks, 12" x 12" vinyl floor tiles, mastic	No	N/A
JOC14A1	Supply Room	Beige 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	06
JOC14A2	Supply Room	Beige 12" x 12" Vinyl Floor Tiles, Mastic	Yes	06
JOC14B1	Goodyear Area	Beige 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	06
JOC14B2	Goodyear Area	Beige 12" x 12" Vinyl Floor Tiles, Mastic	Yes	06
JOC14C1	Storage Area	Beige 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	06
JOC14C2	Storage Area	Beige 12" x 12" Vinyl Floor Tiles, Mastic	Yes	06
JOC15A1	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	04
JOC15A2	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, Mastic	Yes	04
JOC15B1	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	04
JOC15B2	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, Mastic	Yes	04
JOC15C1	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	04
JOC15C2	Storeroom Bathroom	Tan 9" x 9" Vinyl Floor Tiles, Mastic	Yes	04
JOC16A1	Storeroom Bathroom	Green 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC16A2	Storeroom Bathroom	Green 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC16B1	Janitor's Closet	Green 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC16B2	Janitor's Closet	Green 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC16C1	Depot Men's Room	Green 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC16C2	Depot Men's Room	Green 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC17A1	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	01
JOC17A2	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, Mastic	Yes	01
JOC17B1	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	01
JOC17B2	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, Mastic	Yes	01
JOC17C1	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	01
JOC17C2	Depot Lounge	Orange 12" x 12" Vinyl Floor Tiles, Mastic	Yes	01
JOC18A1	Depot Office Area	Green 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02
JOC18A2	Depot Office Area	Green 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC18B1	Depot Men's Room	Green 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02
JOC18B2	Depot Men's Room	Green 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC18C1	Depot Men's Room	Green 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02
JOC18C2	Depot Men's Room	Green 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC19A1	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02

SAMPLE NUMBER	LOCATION	DESCRIPTION	ASBESTOS CONTAININ G YES/NO	PHOTO NUMBER
JOC19A2	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC19B1	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02
JOC19B2	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC19C1	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, 1/8"	Yes	02
JOC19C2	Depot Men's Room	White 12" x 12" Vinyl Floor Tiles, Mastic	Yes	02
JOC20A1	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC20A2	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC20B1	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC20B2	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC20C1	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, 1/8"	Yes	03
JOC20C2	Depot Men's Room	White 9" x 9" Vinyl Floor Tiles, Mastic	Yes	03
JOC21A1	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, 1/8"	No	N/A
JOC20A2	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, Mastic	No	N/A
JOC20B1	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, 1/8"	No	N/A
JOC20B2	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, Mastic	No	N/A
JOC21C1	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, 1/8"	No	N/A
JOC21C2	Reception Area	Blue 12" x 12" Vinyl Floor Tiles, Mastic	No	N/A

Discussion

As indicated by the laboratory analysis results and assumed materials, the use of asbestos-containing materials was identified in the following forms (Locations of ACM are presented on the maps in Appendix D):

MATERIAL	LOCATION	QUANTITY	CONDITION	METHOD
Plaster Ceiling	2 nd Floor Depot Office Area	1,100 SF	Poor	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Janitor's Closet	50 SF	Good	Laboratory Analysis
Orange 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Lounge	2,200 SF	Good	Laboratory Analysis
Orange 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Office Area	120 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
Green 9" x 9" Vinyl	2 nd Floor Depot Office	300 SF	Good	Laboratory Analysis

MATERIAL	LOCATION	QUANTITY	CONDITION	METHOD
Floor Tiles and Mastic	Area			
White 12" x 12" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
White 9" x 9" Vinyl Floor Tiles and Mastic	2 nd Floor Depot Men's Room	75 SF	Good	Laboratory Analysis
White 9" x 9" Vinyl Floor Tiles and Mastic	Janitor's Closet	50 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Body Shop Storage	100 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Supervisor's Office	84 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Middle Maintenance Office	84 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Front Maintenance Office	72 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Store Room	180 SF	Good	Laboratory Analysis
Black 9" x 9" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Body Shop Storage	100 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Supervisor's Office	84 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Middle Maintenance Office	84 SF	Fair	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Front Maintenance Office	72 SF	Fair	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Store Room	180 SF	Good	Laboratory Analysis
Red 9" x 9" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Storeroom Office Closet	20 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Supply Room	360 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Storage Area	225 SF	Good	Laboratory Analysis
Beige 12" x 12" Vinyl Floor Tiles and Mastic	Goodyear Area	100 SF	Good	Laboratory Analysis
Tan 9" x 9" Vinyl Floor Tiles and Mastic	Storeroom Bathroom	60 SF	Good	Laboratory Analysis

MATERIAL	LOCATION	QUANTITY	CONDITION	METHOD
Green 9" x 9" Vinyl Floor Tiles and Mastic	Storeroom Bathroom	10 SF	Good	Laboratory Analysis
Aircell Pipe Insulation	Goodyear Area	10 LF	Good	Assumed
Fire Doors	Throughout Both Buildings	50 EA	Good	Assumed
Roofing Materials	Roof - Both Buildings	60,000 SF	Good	Assumed

The black 9" x 9" vinyl floor tiles and mastic and red 9" x 9" vinyl floor tiles and mastic (Category I Non-Friable) were utilized in the body shop storage room, the supervisor, middle and front maintenance offices, the store room and the Goodyear area. The beige 12" x 12" vinyl floor tiles and mastic (Category I Non-Friable) were utilized in the storeroom office closet, the store room, the storage area and the Goodyear area. The tan 9" x 9" vinyl floor tiles and mastic (Category I Non-Friable) were used in the storeroom bathroom. The green 9" x 9" vinyl floor tiles and mastic (Category I Non-Friable) were used in the storeroom bathroom, the depot men's room and the janitor's closet. The orange 12" x 12" vinyl floor tiles and mastic (Category I Non-Friable) were utilized in the depot lounge and the depot office area. The green 12" x 12" vinyl floor tiles and mastic (Category I Non-Friable) were utilized in the depot men's room and the depot office area and the white 9" x 9" vinyl floor tiles and mastic (Category I Non-Friable) were used in the depot men's room and the janitor's closet. Asphalt tile was used primarily from the 1920's until the 1950's when the more commonly known vinyl asbestos tile (VAT) was introduced. VAT and/or asphalt asbestos tile was used until the early 1980's. Vinyl/asphalt tile is a non-homogeneous mixture, therefore, random sampling often will not detect asbestos in vinyl tile. The ceiling plaster (Category II Non-Friable) was utilized in the second floor depot area. The aircell pipe insulation (friable material) was used in the Goodyear area. All asbestos-containing materials were observed to be in good condition with the exception of the ceiling plaster in the 2nd floor depot area, which has several areas of chipping, cracking, holes and water stains. There is also a portion of the ceiling plaster which was removed and the remaining edge has significant damage.

Asbestos-containing materials (ACM) such as these may be maintained in place by the use of an Operation and Maintenance (O&M) Program as defined in the EPA Managing Asbestos In Place: A Building Owner's Guide to Operations and Maintenance Programs for Asbestos Containing Materials. The O&M program, if carried out with prudence and diligence, should be sufficient to maintain the property in accordance with current applicable regulatory standards and sound business practices. The O&M program should include the elements identified in the Conclusions and Recommendations section of this report. Generally, asbestos-containing materials maintained with an O&M program can remain in-place for the life cycle of the individual system, provided the integrity of the material remains intact and undisturbed. Removal can be coordinated with renovations and/or modifications which may effect the ACMs.

CONCLUSIONS AND RECOMMENDATIONS

Develop and implement an Operations and Maintenance (O&M) Program that ensures the integrity of the non-friable vinyl floor tiles. This program needs only to ensure that the non-friable materials are not sanded, ground or mechanically abraded to produce fibers. Non-friable materials have historically been shown not to be a significant environmental threat.

Develop and implement an Operations and Maintenance (O&M) program for the depot area ceiling plaster. Any work involving the plaster ceiling must be done by trained asbestos personnel and under strict supervision.

Develop and implement an O&M program for the Goodyear area aircell pipe insulation.

Any asbestos-containing materials that are scheduled to be disturbed due to planned renovations/remodeling must be abated in accordance with federal, state and local guidelines.

Building owners shall notify the following persons of the presence, location, and quantity of asbestos-containing materials (ACM) and presumed asbestos-containing materials (PACM) at work sites in their buildings and facilities. Notification either shall be in writing, or shall consist of a personal communication between the owner and the person to whom notification must be given or their authorized representatives.

- o WMATA employees who will work in or adjacent to areas containing such material.
- o Prospective contractors applying or bidding for work whose employees reasonably can be expected to work in or adjacent to areas containing such material.

APPENDIX A

INSPECTOR TRAINING CERTIFICATION

John M. O'Connor
Name

Signature

HAS ATTENDED AND PASSED THE EXAM IN
AN ASBESTOS TRAINING COURSE ENTITLED:

Asb. Bldg. Insp. Ref.
Course Name

FOR ACCREDITATION UNDER TSCA TITLE II.

08/08/97

Course Date(s)

08/08/98

Expiration Date

08/08/97

Exam Date

(STATE SEAL IS BLUE)

NO. 032085 ETI

STATE OF MARYLAND

Tr

Environmental Training
International, Inc.

Ac

1702 Industrial Highway, Suite 7

Cl

Cinnaminson, NJ 08077

Pf

Roy Bowman

(609)829-3111

31-00-01

Zip

Name of Training Director

Signature of Training Director

For additional information, call MDE (410) 631-3801.



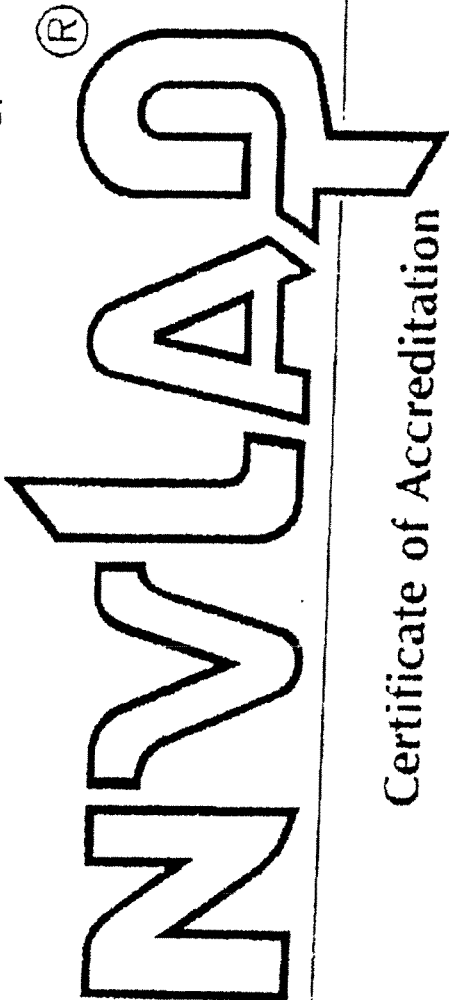
INSPECTOR TRAINING CERTIFICATION

CONNOR Environmental Services and Engineering Assessments
A Division of MIRCON, Inc.
Bare Hills Business Center
1421 Clarkview Road
Baltimore, MD 21209-2188

APPENDIX B

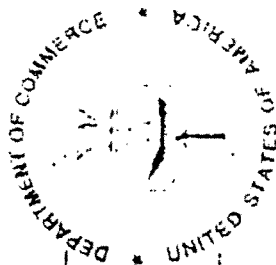
LABORATORY CERTIFICATION AND ANALYTICAL RESULTS

United States Department of Commerce
National Institute of Standards and Technology



ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation



METROPOLITAN ENVIRONMENTAL TESTING SERVICES DBA METS LABORATORIES
WALDORF, MD

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as supplements to calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for

BULK ASBESTOS FIBER ANALYSIS

June 30, 1999

five years through

for the National Institute of Standards and Technology

NVLAP Lab Code 200165-0

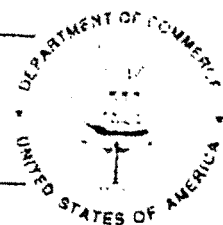
National Institute
of Standards and Technology



National Voluntary
Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation



Page: 1 of 1

NVLAP LAB CODE 200165-0

BULK ASBESTOS FIBER ANALYSIS

METROPOLITAN ENVIRONMENTAL TESTING SERVICES DBA METS LABORATORIES

179 Smallwood Village Center

Waldorf, MD 20602

Ms. Carrie A. Wright

Phone: 301-870-1995 Fax: 301-870-1701

NVLAP Code

Designation

181A01

U.S. EPA's "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 CFR, Part 763, Subpart F, App. A, or the current U.S. EPA method for the analysis of asbestos in building material.

June 30, 1999

Director (through

John L. Galt, Director, National Voluntary Laboratory Accreditation Program



THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION
is proud to acknowledge that

Metropolitan Environmental Testing Services, Inc.
Waldorf, MD
Laboratory ID# 21506

has fulfilled the requirements for the Environmental Lead Laboratory Accreditation Program and has earned distinguished recognition as an

AIHA ELLAP ACCREDITED LABORATORY

06/05/1997 - 06/05/2000

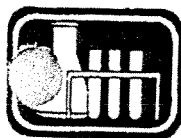
In the following matrices: Paint Soil Dust

This program is recognized by the EPA as meeting the requirements of the National Lead Laboratory Accreditation Program established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Jack Mindorf
Jack Mindorf, Ph.D., CIH, CSP
President, American Industrial Hygiene Association

Bill Constantine
Lisa A. Constantine, CIH
Chair, Environmental Lead Laboratory Accreditation Committee

Donald J. Hart
Don Hart, Ph.D., CIH
Chair, Analytical Accreditation Board


METS
LABORATORIES

179 Smallwood Village Center, Waldorf, Maryland, 20602

 Metro: 301.870.1995
 Toll Free: 800.604.1995
 Fax#: 301.870.1701

Bulk Asbestos Analysis Report

NY ELAP #11603, NVLAP #200165-0

Method EPA 600/R-93/116

Report Number 980717011

Account Number: 11-7804

Client Name: Connor Environmental Services

 Address: 1421 Clarkview Rd Suite 100
 Baltimore MD 21209

Project: Royal Street Bus Division WMATA 809413

 Date Collected: NA
 Date Received: 71798
 Date Analyzed: 72198
 Date Reported: 72298

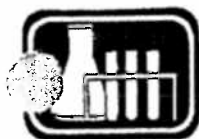
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-001	JOC01A Boiler Room Boiler Insulation	No	Cellulose Trace, Fiberglass 55, NANF 44+	NAD	Gray
980717011-002	JOC01B Boiler Room Boiler Insulation	No	Cellulose 10, Fiberglass 20, NANF 70	NAD	Pink
980717011-003	JOC01C Boiler Room Boiler Insulation	No	Cellulose 5, Fiberglass 55, NANF 40	NAD	Gray
980717011-004	JOC02A Depot Lounge 2X4 Ceiling Tile	No	Cellulose 40, Fiberglass 40, NANF 20	NAD	Gry/Wht
980717011-005	JOC02B Depot Locker Room 2X4 Ceiling Tile	No	Fiberglass 40, Cellulose 40, NANF 20	NAD	Gry/Wht
980717011-006	JOC02C Supervisor Office 2X4 Ceiling Tile	No	Cellulose 40, Fiberglass 40, NANF 20	NAD	Gry/Wht
980717011-007	JOC03A Depot Office Perforated Dot 1X1 Ceiling Tile	No	Cellulose 70, NANF 30	NAD	Multi
980717011-008	JOC03B Depot Office Perforated Dot 1X1 Ceiling Tile	No	Cellulose 70, NANF 30	NAD	Multi
980717011-009	JOC03C Depot Lounge Perforated Dot 1X1 Ceiling Tile	No	Cellulose 70, NANF 30	NAD	Multi

Note: NAD = No Asbestos Detected, NANF = Non-Asbestos Non-Fibrous, * = Presence Noted, Trace = Trace Amounts Noted, < 1%

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Reviewed by:

 Dan Wagner
 Laboratory Manager


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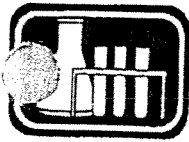
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-010	JOC04A Depot Office Area Drywall	No	Cellulose 20, NANF 80	NAD	Tan/Whi
980717011-011	JOC04B Supply Room Drywall	No	Cellulose 20, NANF 80	NAD	Tan/Whi
980717011-012	JOC04C Mechanic Locker Room Drywall	No	Cellulose 20, NANF 80	NAD	Tan/Whi
980717011-013	JOC5A Mechanic Locker Room Joint Compound	No	Cellulose Trace, NANF 99+	NAD	White
980717011-014	JOC05B Mechanic Locker Room Joint Compound	No	Cellulose Trace, NANF 99+	NAD	White
980717011-015	JOC05C Mechanic Locker Room Joint Compound	No	Cellulose Trace, NANF 99+	NAD	White
980717011-016	JOC06 Mechanic Locker Room Drywall / Joint Compound Composite	No	Cellulose 20, NANF 80	NAD	Whi/Tan
980717011-017	JOC07A Reception Area Flat 1X1 Ceiling Tile	No	Cellulose Trace, Fiberglass 55, NANF 44+	NAD	Multi
980717011-018	JOC07B Storeroom Closet Flat 1X1 Ceiling Tile	No	Cellulose Trace, Fiberglass 55, NANF 44+	NAD	Multi

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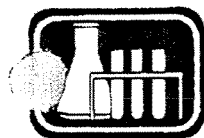
Project: Royal Street Bus Division WMATA 809413

METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-019	JOC07C Storeroom Closet Flat 1X1 Ceiling Tile	No	Cellulose Trace, Fiberglass 55, NANF 44+	NAD	Multi
980717011-020	JOC08A Outhouse Plaster Ceiling	No	Cellulose 1, Fiberglass Trace, NANF 98+	NAD	Gray
980717011-021	JOC08B Outhouse Plaster Ceiling	No	Cellulose Trace, NANF 99+	NAD	Gray
980717011-022	JOC08C Outhouse Plaster Ceiling	No	Cellulose Trace, NANF 99+	NAD	Gray
980717011-023	JOC08D Outhouse Plaster Ceiling	No	Cellulose Trace, NANF 99+	NAD	Gray
980717011-024	JOC08E Outhouse Plaster Ceiling	No	Cellulose Trace, NANF 99+	NAD	Gray
980717011-025	JOC09A Depot Lounge Plaster Ceiling	No	Cellulose 2, Fiberglass 1, NANF 97	NAD	Gry/Wht
980717011-026	JOC09B Depot Lounge Ceiling Plaster	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Gry/Wht
980717011-027	JOC09C Depot Lounge Ceiling Plaster	No	Cellulose Trace, NANF 99+	NAD	Gry/Wht

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[Signature]
Dan Wagner
Laboratory Manager

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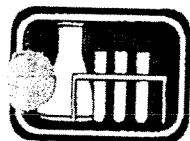
Address: 1421 Clarkview Rd Suite 100
Baltimore MD 21209Date Collected: NA
Date Received: 71798
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Date Reported: 72298

Project: Royal Street Bus Division WMATA 809413

METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-02B	JOC09D Depot Office Area Ceiling Plaster	No	Cellulose Trace, NANF 99+	NAD	Gry/Wht
980717011-029	JOC09E Depot Office Area Ceiling Plaster	No	Cellulose Trace, NANF 99+	NAD	Gry/Wht
980717011-030A	JOC10A Supervisor Office Cove Base Molding (Molding)	No	Cellulose Trace, NANF 99+	NAD	Brown
980717011-030B	JOC10A Supervisor Office Cove Base Molding (Mastic)	No	Cellulose 1, NANF 99	NAD	Beige
980717011-031A	JOC10B Mechanic Locker Room Cove Base Molding (Molding)	No	Cellulose Trace, NANF 99+	NAD	Brown
980717011-031B	JOC10B Mechanic Locker Room Cove Base Molding (Mastic)	No	Cellulose 1, NANF 99	NAD	Beige
980717011-032A	JOC10C Middle Office Cove Base Molding (Molding)	No	Cellulose Trace, NANF 99+	NAD	Brown
980717011-032B	JOC10C Middle Office Cove Base Molding (Mastic)	No	Cellulose 1, NANF 99	NAD	Beige
980717011-033A	JOC11A Front Office Black 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Black

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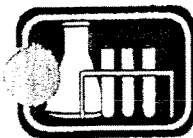
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-033B	JOC11A Front Office Black 9X9 VFT (Mastic)	Yes	Cellulose 1, NANF 97	Chrysotile 2	Brown
980717011-034A	JOC11B Supply Room Black 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Black
980717011-034B	JOC11B Supply Room Black 9X9 VFT (Mastic)	Yes	Cellulose 1, NANF 97	Chrysotile 2	Brown
980717011-035A	JOC11C Goodyear Area Black 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Black
980717011-035B	JOC11C Goodyear Area Black 9X9 VFT (Mastic)	Yes	Cellulose 1, NANF 97	Chrysotile 2	Brown
980717011-036A	JOC12A Supply Room Re 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Red
980717011-036B	JOC12A Supply Room Re 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Black
980717011-037A	JOC12B Front Office Red 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Red
980717011-037B	JOC12B Front Office Red 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Black

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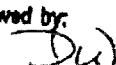
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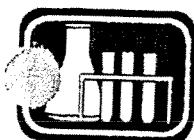
Project: Royal Street Bus Division WMATA 809413

METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-038A	JOC12C Goodyear Area Red 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Red
980717011-038B	JOC12C Goodyear Area Red 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Black
980717011-039A	JOC13A Supervisor Office Tan W/ White Streaks 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Tan
980717011-039B	JOC13A Supervisor Office Tan W/ White Streaks 12X12 VFT (Mastic)	No	Cellulose 1, NANF 99	NAD	Black
980717011-040A	JOC13B Storeroom Office Tan W/ White Streaks 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Tan
980717011-040B	JOC13B Storeroom Office Tan W/ White Streaks 12X12 VFT (Mastic)	No	Cellulose 1, NANF 99	NAD	Black
980717011-041A	JOC13C Front Office Tan W/ White Streaks 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Tan
980717011-041B	JOC13C Front Office Tan W/ White Streaks 12X12 VFT (Mastic)	No	Cellulose 1, NANF 99	NAD	Black
980717011-042A	JOC14A Supply Room Beige 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Beige

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Report Number 980717011

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Baltimore MD 21209

Project: Royal Street Bus Division WMATA 809413

 Date Collected: NA
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METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-042B	JOC14A Supply Room Beige 12X12 VFT (Mastic)	Yes	Cellulose 3, NANF 96	Chrysotile 1	Black
980717011-043A	JOC14B Goodyear Area Beige 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Beige
980717011-043B	JOC14B Goodyear Area Beige 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 1	Black
980717011-044A	JOC14C Storage Area Beige 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Beige
980717011-044B	JOC14C Storage Area Beige 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Black
980717011-045A	JOC15A Storeroom Bathroom Tan 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Tan
980717011-045B	JOC15A Storeroom Bathroom Tan 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-046A	JOC15B Storeroom Bathroom Tan 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Tan
980717011-046B	JOC15B Storeroom Bathroom Tan 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Black

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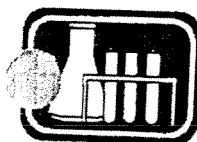
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-047A	JOC15C Storeroom Bathroom Tan 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Tan
980717011-047B	JOC15C Storeroom Bathroom Tan 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 94+	Chrysotile 5	Black
980717011-048A	JOC16A Storeroom Bathroom Green 9X9 VFT (Floor Tile)	Yes	Cellulose 1, NANF 97	Chrysotile 2	Green
980717011-048B	JOC16A Storeroom Bathroom Green 9X9 VFT (Mastic)	Yes	Cellulose 1, NANF 96	Chrysotile 3	Black
980717011-049A	JOC16B Janitor Closet Green 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Green
980717011-049B	JOC16B Janitor Closet Green 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-050A	JOC16C Depot Men's Room Green 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Green
980717011-050B	JOC16C Depot Men's Room Green 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-051A	JOC17A Depot Lounge Orange 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Orange

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Report Number 980717011

Account Number: 11-7804

Client Name: Connor Environmental Services

Address: 1421 Clarkview Rd Suite 100
Baltimore MD 21209

Project: Royal Street Bus Division WMATA 809413

 Date Collected: NA
 Date Received: 71798
 Date Analyzed: 72198
 Date Reported: 72298

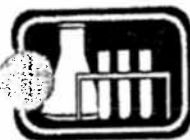
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-051B	JOC17A Depot Lounge Orange 12X12 VFT (Mastic)	Yes	Cellulose 1, NANF 96	Chrysotile 3	Black
980717011-052A	JOC17B Depot Lounge Orange 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Orange
980717011-052B	JOC17B Depot Lounge Orange 12X12 VFT (Mastic)	Yes	Cellulose 1, NANF 96	Chrysotile 3	Black
980717011-053A	JOC17C Depot Lounge Orange 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Orange
980717011-053B	JOC17C Depot Lounge Orange 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-054A	JOC18A Depot Office Area Green 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Green
980717011-054B	JOC18A Depot Office Area Green 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-055A	JOC18B Depot Men's Room Green 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Green
980717011-055B	JOC18B Depot Men's Room Green 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black

Note: NAD = No Asbestos Detected, NANF = Non-Asbestos Non-Fibrous, * = Presence Noted, Trace = Trace Amounts Noted, < 1%

These results apply only to the samples analyzed. Collection procedures, protocols, and sample locations are based on sampler and/or submitting company. Therefore, it is the policy of METS Laboratory to disclaim any knowledge of and liability for the accuracy of the information provided. This Report will not be used by the Client to claim product endorsement by NVLAP or any other government agency and shall not be reproduced except in full without the written approval of METS Environmental Testing Services, Inc.

 Reviewed by:

 Dan Wagner
 Laboratory Manager


METS
LABORATORIES

179 Smallwood Village Center, Waldorf, Maryland, 20602

 Metro: 301.870.1995
 Toll Free: 800.604.1995
 Fax#: 301.870.1701

Bulk Asbestos Analysis Report

NY ELAP #11603, NVLAP #200165-0

Method EPA 600/R-93/116

Report Number 980717011

Account Number: 11-7804
Client Name: Connor Environmental Services
Address: 1421 Clarkview Rd Suite 100
 Baltimore MD 21209
Project: Royal Street Bus Division WMATA 809413

Date Collected: NA
Date Received: 71798
Date Analyzed: 72198
Date Reported: 72298

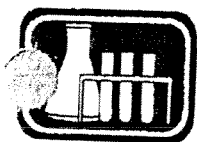
METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-056A	JOC18C Depot Men's Room Green 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	Green
980717011-056B	JOC18C Depot Men's Room Green 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 98+	Chrysotile 3	Black
980717011-057A	JOC19A Depot Men's Room White 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	White
980717011-057B	JOC19A Depot Men's Room White 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-058A	JOC19B Depot Men's Room White 12X12 VFT (Floor Tile)	Yes	Cellulose 1, NANF 97	Chrysotile 2	White
980717011-058B	JOC19B Depot Men's Room White 12X12 VFT (Mastic)	Yes	Cellulose Trace, NANF 98+	Chrysotile 3	Black
980717011-059A	JOC19C Depot Men's Room White 12X12 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	White
980717011-059B	JOC19C Depot Men's Room White 12X12 VFT (Mastic)	Yes	Cellulose 1, NANF 96	Chrysotile 3	Black
980717011-060A	JOC20A Depot Men's Room White 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	White

Note: NAD = No Asbestos Detected. NANF = Non-Asbestos Non-Fibrous, * = Presence Noted, Trace = Trace Amounts Noted, < 1%

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Bulk Asbestos Analysis Report

NY ELAP #11603, NVLAP #200165-0

Method EPA 600/R-93/116

Report Number 980717011

Account Number: 11-7804

Client Name: Connor Environmental Services

Address: 1421 Clarkview Rd Suite 100
Baltimore MD 21209

Project: Royal Street Bus Division WMATA 809413

 Date Collected: NA
 Date Received: 71798
 Date Analyzed: 72198
 Date Reported: 72298

METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-060B	JOC20A Depot Men's Room White 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-061A	JOC20B Depot Men's Room White 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	White
980717011-061B	JOC20B Depot Men's Room White 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 96+	Chrysotile 3	Black
980717011-062A	JOC20C Depot Men's Room White 9X9 VFT (Floor Tile)	Yes	Cellulose Trace, NANF 97+	Chrysotile 2	White
980717011-062B	JOC20C Depot Men's Room White 9X9 VFT (Mastic)	Yes	Cellulose Trace, NANF 98+	Chrysotile 1	Black
980717011-063A	JOC21A Reception Area Blue 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Blue
980717011-063B	JOC21A Reception Area Blue 12X12 VFT (Mastic)	No	Cellulose Trace, NANF 99+	NAD	White
980717011-064A	JOC21B Reception Area Blue 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Blue
980717011-064B	JOC21B Reception Area Blue 12X12 VFT (Mastic)	No	Cellulose Trace, NANF 99+	NAD	White

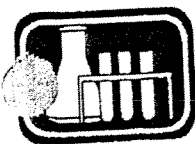
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 Dan Wagner
 Laboratory Manager

**METS**
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Bulk Asbestos Analysis Report

NY ELAP #11603, NVLAP #200165-0

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Project: Royal Street Bus Division WMATA 809413

METS Sample No.	Client Sample ID	Asbestos Detected	Non Asbestos %	Asbestos / %	Color
980717011-065A	JOC21C Reception Area Blue 12X12 VFT (Floor Tile)	No	Cellulose Trace, NANF 99+	NAD	Blue
980717011-065B	JOC21C Reception Area Blue 12X12 VFT (Mastic)	No	Cellulose Trace, NANF 99+	NAD	White

Note: NAD = No Asbestos Detected, NANF = Non-Asbestos Non-Fibrous, * = Presence Noted, Trace = Trace Amounts Noted, < 1%

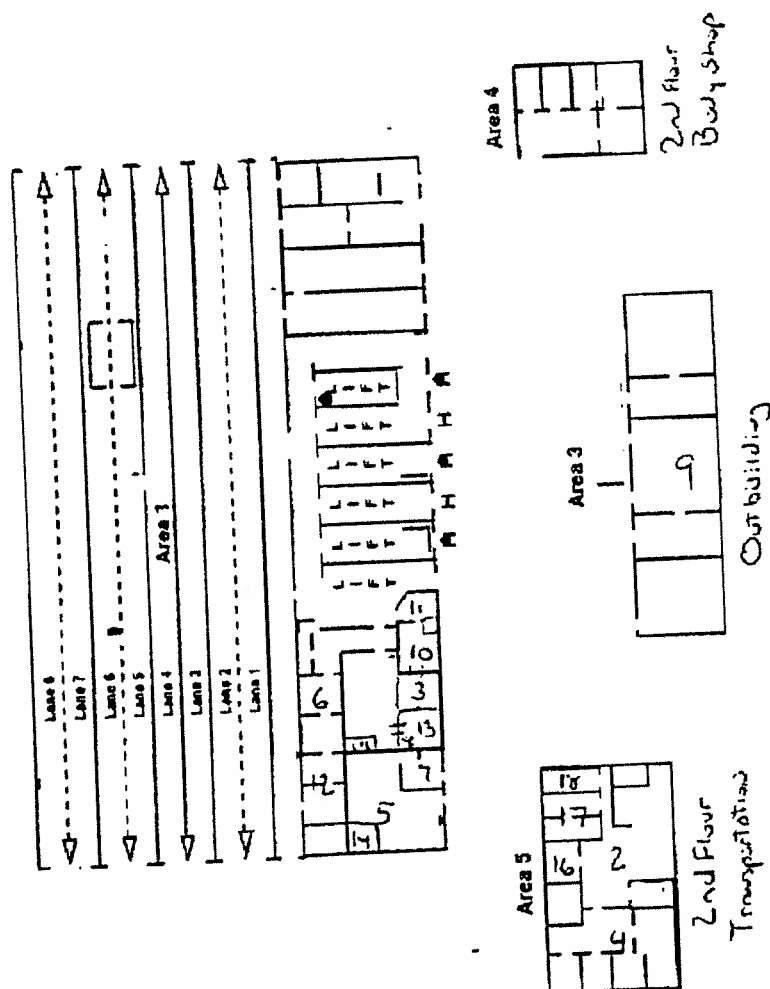
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Reviewed by:

Dan Wagner
Laboratory Manager

APPENDIX C
SAMPLE LOCATION MAP

Royal Street Division



1-JOC015S.13
2-JOC01A
JOC03C
JOC09A-C
JOC17S.13
3-JOC02C
JOC10A1,2
JOC13A1,2

4-JOC03A-B
JOC04A
JOC09D,E
JOC08A1,2
5-JOC04D
JOC11B1,2
JOC12A1,2
JOC14A1,2

6-JOC04C
JOC05S.13
JOC06
JOC10B1,2
7-JOC07A
JOC11S.13
8-JOC07B-C

9-JOC08S.13
10-JOC10C1,2
11-JOC11A1,2
JOC12B1,2
JOC13C1,2
12-JOC11C1,2
JOC11C1,2
JOC14B1,2

13-JOC13B1,2
14-JOC14C1,2
15-JOC15S.13
JOC16A1,2
16-JOC16B1,2
17-JOC16C1,2
JOC18B1,2C1,2
JOC19S.13
JOC20S.13

18-JOC02D

SAMPLE LOCATION MAP

CONNOR Environmental Services and Engineering Assessments
A Division of MIRCON, Inc.
Bare Hills Business Center
1421 Clarkview Road
Baltimore, MD 21209-2188

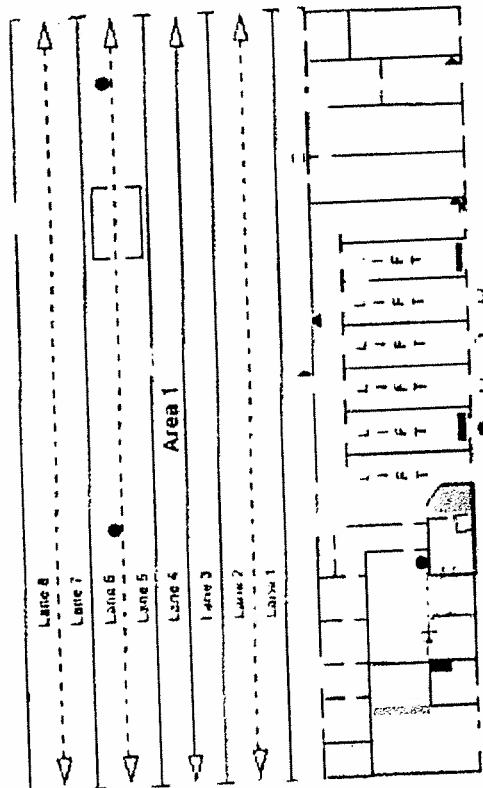
APPENDIX D
ACM LOCATION MAP

Asbestos Containing VFT

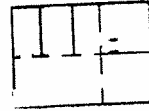
Asbestos Containing VFT & Plaster

Asbestos Containing VFT & Thermal Pipe Insulation

Royal Street Division



Area 4

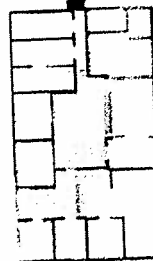


2nd floor
Body shop

Area 3



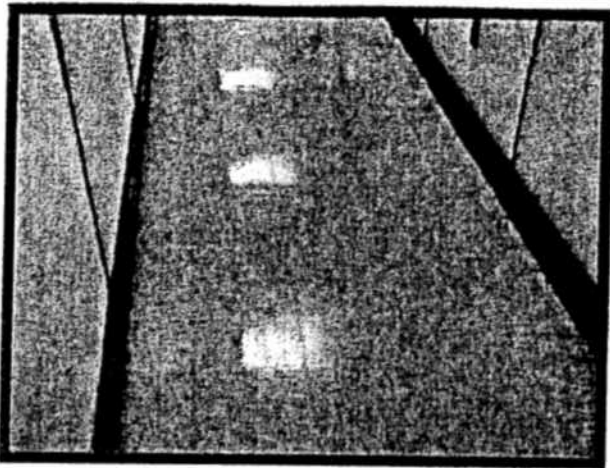
Area 5



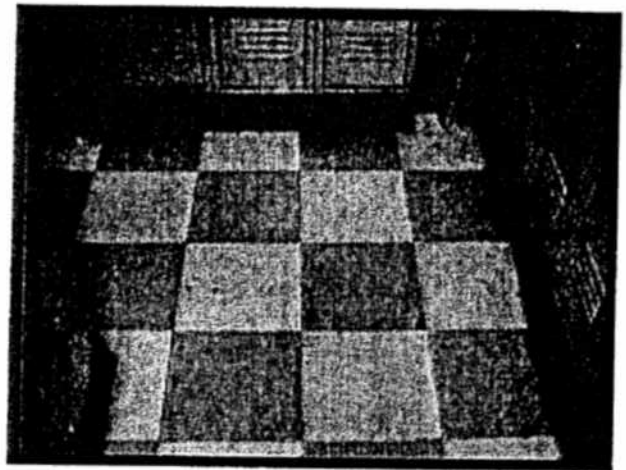
2nd floor
Transportation

ACM LOCATION MAP

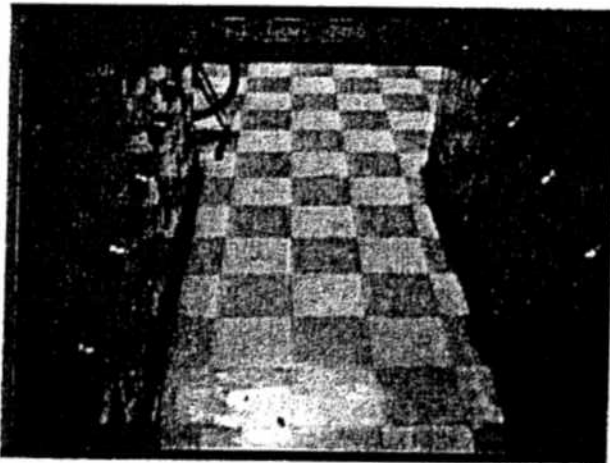
CONNOR Environmental Services and Engineering Assessments
A Division of MIRCON, Inc.
Bare Hills Business Center
1421 Clarkview Road
Baltimore, MD 21209-2188



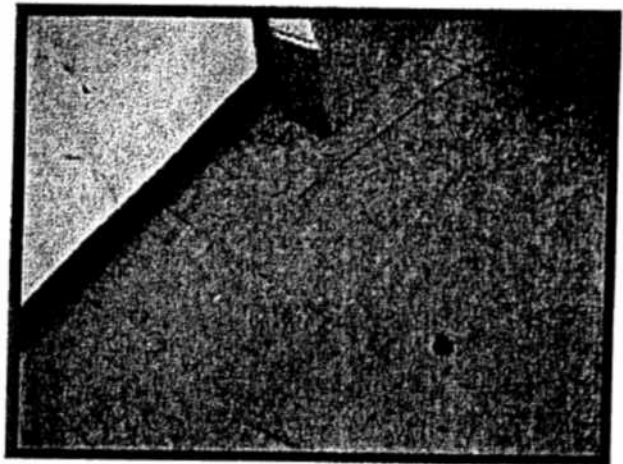
01 - ORANGE 12"X12" VFT & MASTIC



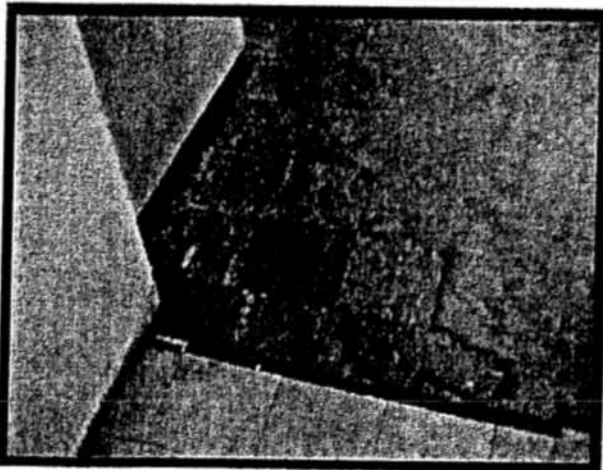
02 - GREEN 12"X12" VFT & MASTIC &
WHITE 12"X12" VFT & MASTIC



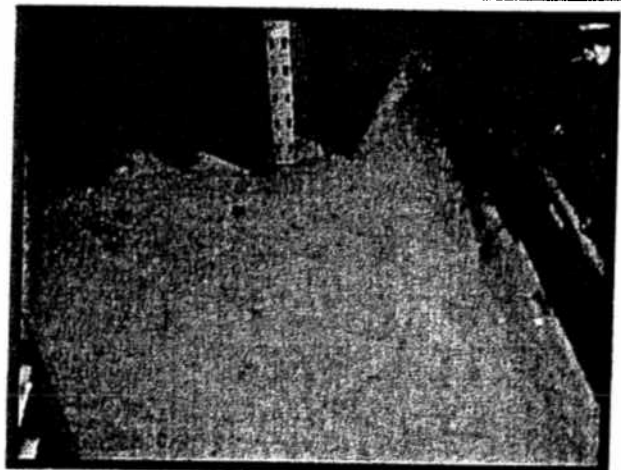
03 - GREEN 9"X9" VFT & MASTIC & WHITE
9"X9" VFT & MASTIC



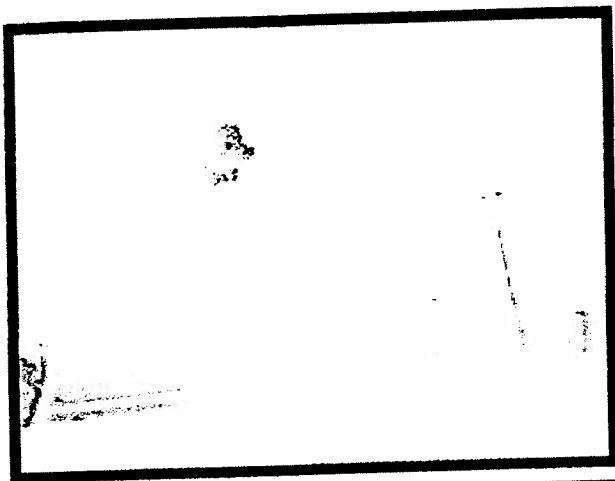
04 - TAN 9"X9" VFT & MASTIC



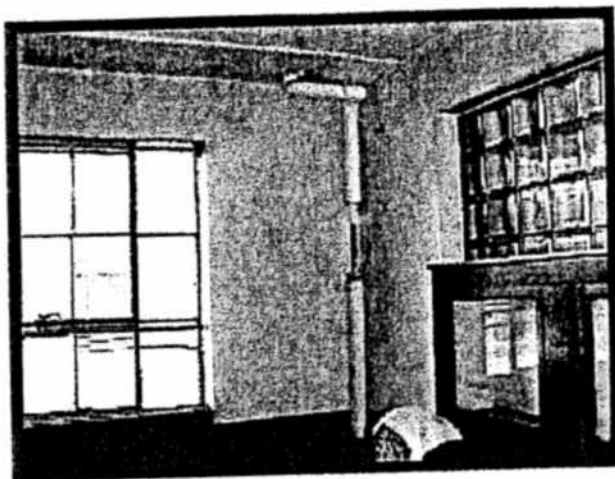
05 - RED 9"X9" VFT & MASTIC & BLACK
9"X9" VFT & MASTIC



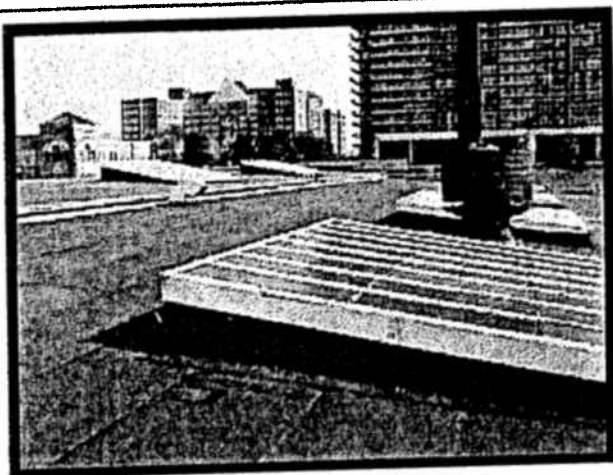
06 - BEIGE 12"X12" VFT & MASTIC



07 - CEILING PLASTER



08 - AIR CELL PIPE INSULATION



09 - ROOF



10 - ROOF

