



National Econ Corporation

4515 Poplar Ave. # 425
Memphis, Tennessee 38117
Phone 901-761-5431 / Fax 901-767-2466

CONFIDENTIAL AND PRIVILEGED

Limited Asbestos Survey

Florida Kansas School (affected area)
90 West Olive Avenue
Memphis, TN

February 23, 2024

Volume 1 of 1

Prepared for:

Shelby County Schools BOE
1364 Farmville Road
Memphis, Tennessee

This report was prepared for **Shelby County Schools BOE**, by independent consultants and is based, in part on information not within the control of either **Shelby County Schools BOE**, or consultants. While it is believed that all information contained herein will be dependable under conditions and subject to the limitations set forth herein, neither **Shelby County Schools BOE**, nor the consultants guarantee the accuracy thereof. The use of this report, or any information contained herein, shall be at the user's sole risk, regardless of any fault or negligence **Shelby County Schools BOE**, or the consultants. Use of this report or any **Shelby County Schools BOE**, and consultants from and against all liability (including, but not limited to, liability for special, indirect, or consequential damages) whether arising in contract or due to **Shelby County Schools BOE**, and/or consultant's negligence, strict liability or otherwise.

Executive Summary

This report has been prepared for Shelby County Schools. Our intent is to provide documentation that will inform you of asbestos containing materials (ACM) used in the construction of Florida-Kansas School located at 90 West Olive Avenue in Memphis, Tennessee.

A limited asbestos survey was conducted by National Econ Corporation, where bulk samples were collected of "suspect" ACM at the location. Survey protocols, as established by the Environmental Protection Agency (EPA), were strictly followed and bulk samples collected were subsequently transmitted by Michael Haynes to a pre-qualified laboratory for microscopic analysis.

Forty-eight (48) bulk samples were collected and analyzed by a primary laboratory using Polarized Light Microscopy (PLM) coupled with dispersion staining to determine the content and type of asbestos. Analysis was provided by Environmental Hazards Services, L.L.C. of Richmond, Virginia, a NVLAP accredited laboratory (NVLAP LAB CODE: 101882-0).

Suspect ACM are categorized under the Asbestos Hazardous Emergency Response Act (AHERA) as: 1) Surface Materials (SM), 2) Thermal System Insulation (TSI), and 3) Miscellaneous Material (MM). Suspect asbestos containing material (ACM) at the subject address are indicated in the following:

SM

TSI

Pipe Insulation

MM

Ceiling Tiles (pinhole)
Cove base & Mastic
Drywall & Joint Compound
Floor Tile & Mastic
Paint

***Non – Friable asbestos containing material**

**** Friable asbestos containing material**

National Econ Corporation assumes no responsibility for identification of “atypical” ACM, used in the construction trade.

Sincerely,
National Econ Corporation

Chester Erwin

Chester V. Erwin
Operations Manager

Marvinetta Cooper

Marvinetta Cooper
Industrial Hygienist

No Asbestos containing material(s) were detected during an inspection at Florida-Kansas School located at 90 West Olive Avenue in Memphis, Tennessee, as supported by the laboratory reports contained herein.

NO ASBESTOS DETECTED

LIMITATIONS

The conclusions presented in this report are the professional opinions of National Econ Corporation. These opinions are based solely upon visual observations at the site and laboratory analysis of the tested samples. They are intended exclusively for the purpose outlined herein, and for the site location and project indicated.

This report is intended for the sole use of Shelby County Schools. The use or re-use of this document or the findings, conclusion or recommendations presented herein, by any other party or parties is at the sole risk of said user. Recognizing that even the most comprehensive survey may fail to detect ACBM at a particular site, this study was not intended to identify all potential ACBM present in the building or at the site for such reasons as (1) the possible existence of buried, covered and inaccessible areas and features; and (2) the limited number of samples collected. Samples were collected from materials of similar appearance, age, use, type, color and/or texture. However, this does not guarantee that they are of the same composition. No guarantee is expressed or implied that all ACBM has been identified. National Econ Corporation assumes no responsibility for the identification of suspect asbestos containing materials which are concealed and/or inaccessible (i.e., carpet mastic under carpet, locked rooms, etc.)

Services performed by National Econ Corporation were conducted in a manner consistent with that of the care and skill ordinarily and currently exercised by members of the same profession that even the most comprehensive Scope of Services may fail to detect environmental liabilities on a particular site. Therefore, National Econ Corporation cannot act as insurers and cannot "certify" that a site is free of environmental contamination. No expressed or implied representation or warranty is included or intended in our reports, except that our services were performed, within the limits prescribed by the Scope of Services, with the customary thoroughness and competence of our profession.

Information and opinions presented herein apply to the existing and reasonably foreseeable site conditions at the time of our investigation. They cannot necessarily apply to site changes of which this office is unaware and has not had the opportunity to review. Changes in the conditions of this property may occur with time due to natural processes or works of man on the subject property or on adjacent properties. Changes in applicable standards may also occur because of legislation for the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control. National Econ Corporation trusts that the information presented herein provides the data you require. Should you have any questions or comments, please contact National Econ Corporation.

ASBESTOS SURVEY- PLM Table

Client / Project Name: Shelby County Schools – Florida-Kansas School

Date: February 23, 2024

Sample Numbers	Material	Location	Results
1-5	Paint	East side, front of classroom and hallway	No Asbestos Detected
6-10	Lay-in Ceiling Tiles (pinhole)	West side and office	No Asbestos Detected
11-15	Drywall & Joint Compound	Front office, east side, and front classroom	No Asbestos Detected
16-20	Pipe Insulation	East side	No Asbestos Detected
21-25	White Floor Tile & Mastic	West side and east side rear area	No Asbestos Detected
26-30	Pipe Insulation	East side	No Asbestos Detected
31-35	Cove base & Mastic	Hallway rear area, west side front area and east side	No Asbestos Detected



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 24-02-03184

Client: National Econ Corp.
 4515 Poplar Ave., Ste. 425
 Memphis, TN 38117

Received Date: 02/22/2024
Analyzed Date: 02/22/2024
Reported Date: 02/23/2024

Project/Test Address: SCS; Florida-Kansas

Client Number:
 44-2606

Fax Number:
 901-767-2466

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-001	1		Blue Pliable Paint; Beige Fibrous; Inhomogenous	NAD	8% Cellulose 92% Non-Fibrous
24-02-03184-002	2		Blue Brittle to Pliable Paint; Beige Fibrous; Inhomogenous	NAD	10% Cellulose 90% Non-Fibrous
24-02-03184-003	3		Blue Pliable Paint; White Brittle; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-004	4		Blue Pliable Paint; White Brittle; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-005	5		Blue Pliable Paint; White Brittle Chalky; Inhomogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-006	6		Beige Fibrous; White Paint; Homogenous	NAD	65% Cellulose 20% Fibrous Glass 15% Non-Fibrous
24-02-03184-007	7		Beige Fibrous; White Paint; Homogenous	NAD	65% Cellulose 20% Fibrous Glass 15% Non-Fibrous
24-02-03184-008	8		Beige Fibrous; White Paint; Homogenous	NAD	65% Cellulose 20% Fibrous Glass 15% Non-Fibrous
24-02-03184-009	9		Beige Fibrous; White Paint; Homogenous	NAD	65% Cellulose 20% Fibrous Glass 15% Non-Fibrous
24-02-03184-010	10		Beige Fibrous; White Paint; Homogenous	NAD	65% Cellulose 20% Fibrous Glass 15% Non-Fibrous
24-02-03184-011	11		White Powdery; Brown Fibrous; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-012	12		White Powdery; Brown Fibrous; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-013	13		White Powdery; Brown Fibrous; Inhomogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-014	14		White Powdery; Brown Fibrous; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-015	15		White Powdery; Brown Fibrous; Inhomogenous	NAD	100% Non-Fibrous
24-02-03184-016	16		Yellow Fibrous; Homogenous	NAD	95% Fibrous Glass 5% Non-Fibrous
24-02-03184-017	17		Yellow Fibrous; Homogenous	NAD	95% Fibrous Glass 5% Non-Fibrous
24-02-03184-018	18		Yellow Fibrous; Homogenous	NAD	95% Fibrous Glass 5% Non-Fibrous
24-02-03184-019	19		Yellow Fibrous; Homogenous	NAD	95% Fibrous Glass 5% Non-Fibrous
24-02-03184-020	20		Yellow Fibrous; Homogenous	NAD	95% Fibrous Glass 5% Non-Fibrous
24-02-03184-021A	21	Other *	Clear Gray Brittle; Homogenous	NAD	100% Non-Fibrous

*Brittle Material

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-021B	21	Tile	Off-White Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-021C	21	Mastic	Black Brittle Chalky; Homogenous	NAD	100% Non-Fibrous
24-02-03184-022A	22	Other *	Clear Gray Brittle; Homogenous	NAD	100% Non-Fibrous
*Brittle Material					
24-02-03184-022B	22	Tile	Off-White Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-022C	22	Mastic	Black Brittle Chalky; Homogenous	NAD	100% Non-Fibrous
24-02-03184-023A	23	Other *	Clear Gray Brittle; Homogenous	NAD	100% Non-Fibrous
*Brittle Material					
24-02-03184-023B	23	Tile	Off-White Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-023C	23	Mastic	Black Brittle Chalky; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-024A	24	Other *	Clear Gray Brittle; Homogenous	NAD	100% Non-Fibrous
*Brittle Material					
24-02-03184-024B	24	Tile	Off-White Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-024C	24	Mastic	Black Brittle Chalky; Homogenous	NAD	100% Non-Fibrous
24-02-03184-025A	25	Other *	Clear Gray Brittle; Homogenous	NAD	100% Non-Fibrous
*Brittle Material					
24-02-03184-025B	25	Tile	Off-White Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-025C	25	Mastic	Black Brittle Chalky; Homogenous	NAD	100% Non-Fibrous
24-02-03184-026	26		Gray Fibrous; Homogenous	NAD	100% Non-Fibrous
24-02-03184-027	27		Gray Fibrous; Homogenous	NAD	5% Cellulose 75% Fibrous Glass 20% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-028	28		Gray Fibrous; Homogenous	NAD	5% Cellulose 75% Fibrous Glass 20% Non-Fibrous
24-02-03184-029	29		Gray Fibrous; Homogenous	NAD	5% Cellulose 75% Fibrous Glass 20% Non-Fibrous
24-02-03184-030	30		Gray Fibrous; Homogenous	NAD	5% Cellulose 75% Fibrous Glass 20% Non-Fibrous
24-02-03184-031	31		Black Rubbery Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-032	32		Black Rubbery Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-033A	33	Cove Base	Black Rubbery Vinyl-Like; Homogenous	NAD	100% Non-Fibrous
24-02-03184-033B	33	Mastic	Off-White Pliable Adhesive; Homogenous	NAD	100% Non-Fibrous
24-02-03184-034A	34	Cove Base	Black Rubbery Vinyl-Like; Homogenous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 44-2606

Report Number: 24-02-03184

Project/Test Address: SCS; Florida-Kansas

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-02-03184-034B	34	Mastic	Off-White Pliable Adhesive; Homogenous	NAD	100% Non-Fibrous
24-02-03184-035	35		Black Rubbery Vinyl-Like; Homogenous	NAD	100% Non-Fibrous

QC Sample: 98-M22012-1

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Kay Harris

Reviewed By Authorized Signatory: Melissa Kanode

Melissa Kanode
QA/QC Clerk

These results are based on a comparative visual estimate. The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Company Name	National Ecom	Account #	
Company Address	4515 Poplar Ave #425	City/State/Zip	Memphis TN
Phone	901-834-2199	Email	cdervinnec@earthlink.net
Project Name/Test Address	SCS-Florida-Kansas		
PO Number		Collected By	M. Haynes
Turn-Around Time	<input type="radio"/> 3 DAY <input checked="" type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

PLM New York Protocol
 PLM New Jersey Protocol
 PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK						AIR			COMMENTS
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402	Time In Total Minutes	Flow Rate In L/Min	
1		X	X	2-20-24										Paint
2	330													
3	330													
4	330													
5	330													
6	330													pinhole Ceiling Tile
7	330													
8	330													
9	330													
10	330													
11	330													Drywall Joint Compound
12	330													
13	330													
14	330													
15	330													

Released By: Netta Cooper Date: 2-21-24 Time: 12:00

Signature: Netta Cooper


LAB USE ONLY - BELOW THIS LINE

Received By: J Sedler

Signature: J Sedler

Date: 2/22/24 Time: 2:30 AM PM

24-02-03184



Due Date: 02/26/2024 (Monday) AE

KMK *35 PM*

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Company Name	National Econ Corp	Account #	
Company Address	4515 Poplar Ave # 425	City/State/Zip	Memphis, TN
Phone	901-834-2199	Email	cdervinne@earthlink.net
Project Name/Test Address	SCS- Florida / Kansas		
PO Number		Collected By	M. Haynes
Turn-Around Time	<input type="radio"/> 3 DAY <input checked="" type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

PLM New York Protocol
 PLM New Jersey Protocol
 PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK			AIR				COMMENTS		
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402		Time In Total Minutes	Flow Rate In L/Min
1	16	X		2-20-24									Insulation	
2	17													
3	18													
4	19													
5	20													
6	21													White FTM
7	22													
8	23													
9	24													
10	25													
11	26													Insulation (East Side)
12	27													
13	28													
14	29													
15	30													

Released By:	Netta Cooper	Date:	2-21-24	Time:	1200
Signature:	<i>Netta Cooper</i>				

LAB USE ONLY - BELOW THIS LINE

Received By: Boiler
 Signature: *Boiler*
 Date: 2/22/24 Time: 2:30 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

3184

Laboratories

Attach Laboratory Label Here

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Company Name	National Econ	Account #	
Company Address	4315 Poplar Ave #425	City/State/Zip	Memphis, TN
Phone		Email	cdervinnec@earthlink
Project Name/Test Address	SCS-Florida-Kansas		
PO Number		Collected By	M Haynes
Turn-Around Time	<input type="radio"/> 3 DAY <input checked="" type="radio"/> 2 DAY <input type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

PLM New York Protocol
 PLM New Jersey Protocol
 PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK			AIR			COMMENTS	
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA		NIOSH 7402
1	32 31	X	X	2-20-24								Cove base & mastic
2	33 32											
3	34 33											
4	35 34											
5	31 35											
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Released By:	Neth Cooper	Date:	2-20-24	Time:	12:00
Signature:	Neth Cooper				

LAB USE ONLY - BELOW THIS LINE

Received By: J. Sedler

Signature: J. Sedler


Date: 2/22/24 Time: 2:30 AM PM

Portal Contact Added

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com

3184



EHS

Laboratories

Attach Laboratory Label Here



THE STATE OF TENNESSEE

Department of Environment and Conservation Division of Solid Waste Management
Toxic Substances Program

William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 14th Floor Nashville TN 37243

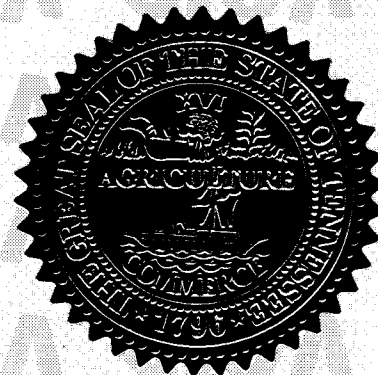
By virtue of the authority vested by the Division of Solid Waste Management, the
Company named below is hereby accredited to offer and/or conduct Asbestos activities
pursuant to Rule 1200-01-20:

National Econ Corporation

4515 Poplar Avenue Suite 425 Memphis TN, 38117

to conduct ASBESTOS ACTIVITIES in schools or public and commercial buildings in Tennessee.
This firm is responsible for compliance with the applicable requirements of Rule 1200-01-20.

Discipline	Type	Accreditation Number	Effective Date	Expiration Date
Accreditation	Re-Accreditation	A-F-468-138916	September 01, 2023	September 30, 2024



Given under the Seal of the State of Tennessee in Nashville.

This 15th Day of August 2023

Division of Solid Waste Management
Toxic Substance Program

CN-1324 (Rev 6/13)

RDA-3020

THE STATE OF TENNESSEE

Department of Environment and Conservation
Division of Solid Waste Management
Toxic Substances Program

142946-73425



Michael Haynes Sr.
DOB: 29-Sep-1969
Sex: M
HGT: 5'11"
WGT: 217

Discipline: Inspector
Accreditation: A-I-199124-139224
Expiration: Jun-30-2024

Date Issued: 6/29/2013
Initial

Asbestos Accreditation