



National Econ Corporation

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

CONFIDENTIAL AND PRIVILEGED

Limited Asbestos Survey

Tredwell Elementary School - Roof

Memphis, TN

September 11, 2024

Volume 1 of 1

Prepared for:

MSCS

160 S. Hollywood St.

Memphis, TN 38112

This report was prepared for **MSCS** by independent consultants and is based, in part, on information not within the control of either **MSCS**, 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 **MSCS** 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 **MSCS**, or the consultants. Use of this report or any **MSCS**, and consultants from and against all liability (including, but not limited but not limited to, liability for special, indirect, or consequential damages) whether arising in contract or due to **MSCS**, and/or consultant's negligence, strict liability or otherwise.

Executive Summary

This report has been prepared for MSCS. Our intent is to provide documentation that will inform you of asbestos containing materials (ACM) used in construction of Tredwell Elementary School in Memphis, Tennessee.

A limited asbestos survey was conducted at the above address. Survey protocols, as established by the Environmental Protection Agency (EPA) were strictly followed. Five (5) bulk samples were collected and transported under chain of custody protocol by Cordell Cooper, to a pre-qualified laboratory for microscopic analysis. Samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining to determine the content and type of asbestos.

Primary Analysis was provided by National Econ Corporation, Memphis, Tennessee. National Econ Corporation participates in the American Industrial Hygiene Association (AIHA) - Bulk Asbestos PAT Program (BAPAT) with an accreditation number- 102259.

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 Materials (MM). Suspect asbestos containing materials (ACM) at the subject location are indicated in the following:

SM

TSI

MM

Roofing Material

***Roof Flashing**

***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 Erwin / Manager
General Manager

Marvinetta Cooper

Marvinetta Cooper
Industrial Hygienist

The presence of ACM has been confirmed located at Tredwell Elementary School in Memphis, Tennessee, as supported by the laboratory reports contained herein. Existing regulations are strictly enforced and a considerable amount of documentation must be provided and maintained to keep within the guidelines set forth by regulatory agencies. Considering the survey's findings the following recommendations are submitted for your review:

Recommendations

Due to the potential hazards of exposure, the ACM material located at Tredwell Elementary School in Memphis, Tennessee, should be abated by trained personnel with control methods prior to demolition, renovation, or disturbance. ***The asbestos containing material(s) identified is the roof flashing.*** There are potential liabilities associated with the presence and removal of ACM. Precautionary measures, as outlined herein, should be taken in accordance with the guidelines set forth by the EPA, the Occupational Safety and Health Administration (OSHA) and other regulatory agencies.

This report is intended for the sole use of MSCS. 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 as a result of legislation or 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: MSCS/ Tredwell Elementary School; Memphis, TN

Date: September 11, 2024

Sample Numbers	Material	Location	Approx. Quantity of ACM Material	Results
1	Roofing Material	South	N/A	No Asbestos Detected
2	Roof Flashing	Southeast	N/A	Chrysotile Asbestos
3	Roofing Material	Northwest	N/A	No Asbestos Detected
4	Roof Flashing	Northwest	N/A	No Asbestos Detected
5	Roofing Material	South	N/A	No Asbestos Detected

National Econ Corporation
 4515 Poplar Avenue, Suite 425 - Memphis, Tennessee 38117
 (901) 761-5431
Bulk Sample Test Report

Date Analyzed: September 11, 2024
 Client / Project Name: MSCS/ Tredwell Elementary School; Memphis, TN

Lab I.D. Number: 20240911
 Analyst: Netta Cooper

Sample Number	1	2	3
	Black Bituminous	Black Bituminous	Black Bituminous
Asbestos Minerals			
Chrysotile		1	
Anthophyllite			
Crocidolite			
Actinolite/ Tremolite			
Non-Asbestos			
Cellulose / Wood Fibers	20	15	20
Fibrous Glass			
Styrofoam			10
Tar	70	40	50
Synthetic		15	
Filler / Binder			
Granular Minerals	10	29	20
Mastic / Glue			
Comments:	No Asbestos Detected	1% Chrysotile Asbestos	No Asbestos Detected

Analyst: *Marvinetta Cooper*

Approved Signatory: *Marvinetta Cooper*

Comments: National Econ Corporation participates in the American Industrial Hygiene Association (AIHA) - Bulk Asbestos PAT Program (BAPAT). For all obviously heterogeneous samples easily separated into sub-samples, and for layered samples, each component was analyzed separately. Disclaimer: Difficult samples such as floor tile, roofing material and samples containing < 1% asbestos, may require additional analysis by TEM or SEM if No Asbestos Detected is reported. The above test report relates only to the items tested. This test report relates only to the material analyzed. This sample was analyzed using the technique contained in 40 CFR 763, Subpart F, Appendix A (AHERA). Results from this report must not be reproduced, except in full, with the approval of National Econ Corporation.

National Econ Corporation
 4515 Poplar Avenue, Suite 425 - Memphis, Tennessee 38117
 (901) 761-5431
Bulk Sample Test Report

Date Analyzed: September 11, 2024
 Client / Project Name: MSCS/ Tredwell Elementary School; Memphis, TN

Lab I.D. Number: 20240911
 Analyst: Netta Cooper

Sample Number	4	5	
	Black Bituminous	Black Bituminous	
<u>Asbestos Minerals</u>			
Chrysotile			
Anthophyllite			
Crocidolite			
Actinolite/ Tremolite			
<u>Non-Asbestos</u>			
Cellulose / Wood Fibers	20	20	
Fibrous Glass			
Styrofoam	15	10	
Tar	45	40	
Synthetic	5	5	
Filler / Binder			
Granular Minerals	15	25	
Mastic / Glue			
Comments:	No Asbestos Detected	No Asbestos Detected	

Analyst: *Marvinetta Cooper*

Approved Signatory: *Marvinetta Cooper*

Comments: National Econ Corporation participates in the American Industrial Hygiene Association (AIHA) - Bulk Asbestos PAT Program (BAPAT). For all obviously heterogeneous samples easily separated into sub-samples, and for layered samples, each component was analyzed separately. Disclaimer: Difficult samples such as floor tile, roofing material and samples containing < 1% asbestos, may require additional analysis by TEM or SEM if No Asbestos Detected is reported. The above test report relates only to the items tested. This test report relates only to the material analyzed. This sample was analyzed using the technique contained in 40 CFR 763, Subpart F, Appendix A (AHERA). Results from this report must not be reproduced, except in full, with the approval of National Econ Corporation.

Asbestos Chain-of-Custody Form

~ For Lab Use Only ~

Company Name: National Econ Corporation Account Number: _____

Address: 4515 Poplar Avenue #425 City/State/Zip: Memphis, TN 38117

Phone #: 901-761-5431 Email: Cdervinnec@earthlink.net Fax: _____

Project Name / Testing Address: MSCS/ Tredwell Elementary School City/State (Required): Memphis, Tennessee

Collected by: Cordell Cooper P.O. # _____

TURN AROUND TIMES: IF NO TAT IS SPECIFIED, SAMPLE(S) WILL BE PROCESSED AND CHARGED AS 3 - DAY TAT.

		1 Day	2 Day	3 Day	* Same Day – Must Call Ahead				* Weekend – Must Call Ahead	
No.	Client Sample ID	HA Area #	Collection		PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	TEM - Bulk	Comments
			Date	Time						
1	1	South	9/10/2024	11:00 AM						Roofing Material
2	2	Southeast		AM / PM						Roof Flashing
3	3	Northwest		AM / PM						Roofing Material
4	4	Northwest		AM / PM						Roof Flashing
5	5	South		AM / PM						Roofing Material
6				AM / PM						
7				AM / PM						
8				AM / PM						
9				AM / PM						
10				AM / PM						
Released by: Cordell Cooper					Signature: <i>Cordell Cooper</i>				Date/Time: 9/10/24 11:00 AM	
Received by: Marvinetta Cooper					Signature: <i>Marvinetta Cooper</i>				Date/Time: 9/10/21	



THE STATE OF TENNESSEE

Department of Environment and Conversation
Division of Solid Waste Management
Toxic Substances Program
Davy Crockett Tower, 7th Floor
500 James Robertson Parkway, 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	Expires
Accreditation	Re-Accreditation	A-F-468-162944	9/1/2024	9/30/2025



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

This **19th** Day of **August 2024**

Division of Solid Waste Management
Toxic Substance Program

THE STATE OF TENNESSEE

Department of Environment and Conservation
Division of Solid Waste Management

Toxic Substances Program

124020-85718



Date Issued: 6/4/2024

Re-Accreditation

Cordell C Cooper

DOB 30-Sep-1966 Sex M HGT 5' 6" WGT 215

Discipline	Accreditation	Expiration
Inspector	A-I-157425-160208	Jun-30-2025
Project Monitor	A-PM-157425-160207	Apr-30-2025

Asbestos Accreditation

