



February 9, 2023

Mr. Garrett Foley
Regional Construction Manager
The Kroger Co.
40393 Grand River Avenue
Novi, Michigan 48375

**RE: Asbestos Survey Report
Kroger Store D-715 Renovation
1215 24th Street
Port Huron, Michigan
Project No. 328-214.0001**

Dear Mr. Foley:

Civil & Environmental Consultants, Inc. (CEC) was retained by The Kroger Co. (Kroger) to conduct an asbestos-containing material (ACM) survey at the Kroger Store D-715 Renovation in Port Huron, Michigan (subject property). The survey was conducted in accordance with CEC Proposal No. 328-214, and authorized via Kroger Purchase Order No. 735180, dated December 15, 2022. CEC understands that this asbestos survey was requested due to planned renovation of the subject property structure.

CEC's subcontractor, Micro Air Inc. (Micro Air), conducted the survey on January 10, 2023. The survey was conducted in general accordance with The Kroger Co., Asbestos-Containing Materials Scope of Work and Report Requirements (dated January 2022), the USEPA Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, Subpart M) and the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). The Micro Air report is attached and must be read in its entirety for a comprehensive understanding of the findings of the survey, recommendations, and estimated abatement costs.

PROJECT INFORMATION

The building was constructed in 1977, was extensively renovated in 2018, and encompasses approximately 48,872 square-feet under roof. The building was constructed on a concrete slab foundation supporting concrete block and brick exterior walls, with metal roof joists and a corrugated metal roof deck. Interior finishes consists of wallboard and concrete block walls. Ceilings were suspended acoustical ceiling tiles or exposed roof joists. Floors were carpet, vinyl or ceramic tile, or concrete. The roofing system consisted of a rubber membrane over isocyanate panels and associated sealants.

The subject property consisted of Kroger Store D-715 and asphalt parking lot. The Kroger Store consisted of a grocery sales area, department preparation areas, pharmacy, office area, and a warehouse. Mezzanine areas consist of a mechanical area.

PREVIOUS SURVEYS

Kroger provided a prior asbestos survey report for the building titled *Asbestos Survey Report, Kroger Store D-715 Renovation, 1215 24th Street Road, Port Huron, Michigan*, dated October 4, 2013, and prepared by Amec Environment & Infrastructure, Inc. (Amec). The report summarized a survey conducted in September 2013. A total of 51 bulk samples were collected and submitted for analysis. Asbestos was not identified in the submitted samples; however, one material (black floor tile mastic) was identified as containing less than 1% asbestos. Information presented in the prior report is incorporated into this survey where appropriate. A copy of the Amec report is attached.

FIELD ACTIVITIES

CEC's subcontractor, Micro Air Inc. (Micro Air), utilizing a Michigan-licensed asbestos inspector, conducted the survey. The survey was limited to accessible areas and destructive sampling (e.g., breaking into wall voids) was not conducted.

Survey activities began with a visual inspection of interior and exterior (including roofs) areas of the subject property to identify homogeneous areas of suspect asbestos-containing materials (ACM). A homogeneous area (HA) consists of building materials that appear similar throughout in terms of color, texture and consideration of date of installation or application.

Based on the findings of the visual inspection, bulk samples of suspect ACM were collected in general accordance with AHERA sample collection protocols. Bulk samples were collected of the following suspect materials: drywall and joint compound, concrete block mortar, concrete block expansion joint, brick mortar, poured concrete slab, exterior finishing system, window/door frame caulk, window glazing, clay tile grout, ceramic tile grout, plastic wall adhesive, carpet mastic,

gasket material on cooler/freezer walls, stainless steel sink insulation, seam caulk on HVAC duct, 2' x 4' ceiling tile (two patterns), poured flooring, vinyl base molding and adhesive (three colors), 12" x 12" vinyl floor tile and mastic (two patterns), and woodgrain pattern linoleum flooring and adhesive.

Bulk samples were submitted under chain of custody to a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for analysis by polarized light microscopy (PLM) with dispersion staining techniques per EPA's Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116).

FINDINGS

Ninety-eight bulk samples of suspect ACMs were collected during the inspection and submitted to an accredited laboratory for analysis by PLM. Asbestos was not identified in the samples collected and analyzed.

REGULATORY OVERVIEW

The State of Michigan Department of Environmental Quality (MDEQ), Air Division enforces the USEPA Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 61, Subpart M). The Asbestos NESHAP regulates asbestos fiber emissions, asbestos waste disposal practices, and requires the identification and classification according to friability of existing ACM prior to demolition or renovation activity.

The Occupational Safety and Health Administration (OSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposures to airborne asbestos fibers be maintained below 0.1 fiber per cubic centimeter of air (0.1 f/cc) as an eight hour-time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1. f/cc) over a 30-minute time period, the excursion limit. The TWA and excursion limit together are known as the OSHA permissible exposure limits or PELs. The OSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

Asbestos abatement notifications for all demolition and renovation activities involving the removal or disturbance of RACM and non-friable ACMs should be submitted to the Michigan Department of Environmental Quality (MDEQ) and LARA at least 10-working days prior to the commencement of project activities. If remodeling/renovation efforts include repair, removal or replacement of "load bearing" structural members, this is considered demolition and a 10-day notification to the local municipal agency may be required.

RECOMMENDATIONS

Based on the results of this asbestos survey, CEC does not recommend additional inspection or assessment activities for the subject property building. However, suspect materials, other than those identified during this asbestos survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered during demolition/renovation, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny asbestos content.

GENERAL COMMENTS

This report has been prepared for the exclusive use and reliance of The Kroger Co. and its subsidiaries and affiliates and its authorized representatives (Users), who may solely rely upon the conclusions presented herein. Reliance on this Asbestos Survey by the Users and all authorized parties will be subject to the terms, conditions and limitations stated in the Professional Services and Consulting Agreement (PSCA) signed by Civil & Environmental Consultants, Inc. and the Kroger Co. General Offices (G.O.) on June 20, 2019. The use or reliance by a third party is not permitted without the specific written permission of both the CEC and Kroger. ***This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary.*** CEC does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

Asbestos Hazard Survey
Kroger Store D-715 Renovation
Port Huron, MI
February 9, 2023

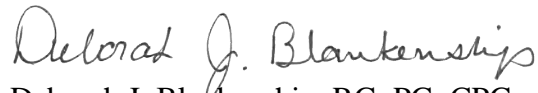
CEC appreciates the opportunity to serve The Kroger Co. on this project. Please call us if we can be of any further assistance.

Sincerely,

Civil & Environmental Consultants, Inc.



Bryan N. Gatlin
Senior Environmental Scientist



Deborah J. Blankenship, RG, PG, CPG
Principal

Attachments

Micro Air Renovation Asbestos Inspection Report, dated January 30, 2023
Amec Asbestos Survey Report, dated October 4, 2013

cc: Cliff Brown, The Kroger Co.
Marty Cristo, The Kroger Co.
Peg Chandler, The Kroger Co.
Brett Smollen, The Kroger Co.
Stephanie Barlow, The Kroger Co.

ATTACHMENT

2023

NESHAP Renovation Asbestos Survey Report

For

**Existing Kroger Store D-715
1215 24th Street
Port Huron, Michigan 48060**

Prepared For:

Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway, Suite 102
St. Charles, MO 63301
Attn: Ms. Deborah J. Blankenship, P.G., R.G., Principal

Prepared By:



Micro Air, Inc.
6320 La Pas Trail
Indianapolis, Indiana 46268

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- 3) Asbestos Bulk Sample Location Drawing
- 4) Asbestos Bulk Sample Report/Chain of Custody
- 5) Certifications

TAB 1

ASBESTOS SURVEY REPORT



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: <http://www.microair.com>

Indoor Air Quality
Catastrophe Services
Microbiology
Asbestos Surveys
Air Monitoring
Industrial Hygiene
Epidemiology
Radon Testing
Water Testing
Lead Testing

January 30th, 2023

Ms. Deborah J. Blankenship, P.G
Senior Project Manager
Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway; Suite 102
Saint Charles, MO 63301

**RE: Renovation Asbestos Inspection
Existing Kroger Store D-715
1215 24th Street
Port Huron, Michigan 48060
Micro Air, Inc. Job #20-18885-D**

Dear Ms. Blankenship:

Micro Air, Inc. was contracted by Civil & Environmental Consultants, Inc. to conduct an asbestos inspection of the Kroger Store D-715 located at 1215 24th Street in Port Huron, Michigan. Mr. Donald G. French of Micro Air, Inc. (State of Michigan asbestos inspector accreditation number A11834, Exp. Date: 03/07/2023) conducted the inspection on January 10th, 2023. The survey was conducted in order to accommodate renovation of the existing Kroger Store at the site.

All survey work was conducted following guidelines established under the EPA National Emission Standard for Asbestos (40 CFR 61 Subpart M) and the EPA "Asbestos Hazard Emergency Response Act (AHERA)" (40 CFR 763 subpart E). **Sampling of the roofing system was not conducted during the course of the survey per the request of Civil & Environmental Consultants, Inc. A previous asbestos survey was conducted of the retail space in September 2013 by AMEC Environment & Infrastructure, Inc. No asbestos-containing materials were identified in the retail space during the survey.**

All bulk samples collected during the inspection were submitted to Micro Air, Inc.'s laboratory for analysis. All bulk samples were analyzed utilizing the EPA approved Polarized Light Microscopy method (EPA Method/600/R-93/116). Following is a synopsis of the findings of the survey:

**Existing Kroger Store D-715
1215 24th Street
Port Huron, Michigan 48060**

Information provided by the Port Huron Township Assessors records the building was constructed in 1977. An extensive interior renovation was apparently conducted in 2018. The building contains approximately 76,175 square feet of floor space. The retail space is constructed of concrete block and brick with exterior finishing system fascia, aluminum soffits, aluminum door and window system and structural steel supporting a corrugated metal roof deck. A non-suspect, rubber membrane roofing system was identified at the site.

Interior finishes consist of drywall interior walls, drop acoustical tile ceilings with carpet, sheet flooring, vinyl floor tile and ceramic tile applied over poured concrete floors. Administrative offices, room, a break room and an ECR room were identified on the ground floor of the store with a compressor room identified on a mezzanine level. A pharmacy was also identified on the ground level of the store.

Domestic water and refrigerant lines throughout the building are insulated with either non-suspect armaflex or fiberglass insulation. Non-suspect wood was identified at interior cooler walls throughout the building. The building is heated by rooftop gas units with supplemental electric cooling.

The following potential, asbestos-containing materials were identified at the retail space and sampled for asbestos content during the inspection:

1. Drywall and associated joint compound
2. Concrete block mortar
3. Concrete block expansion joint
4. Brick mortar
5. Poured concrete slab
6. Exterior finishing system
7. Window/door frame caulk
8. Window glazing
9. Clay tile grout
10. Ceramic tile grout
11. Plastic wall adhesive
12. Carpet mastic
13. Gasket material on cooler/freezer walls
14. Stainless steel sink insulation
15. Seam caulk on HVAC duct
16. 2' x 4' Ceiling tile (two patterns)
17. Poured flooring
18. Vinyl base molding and adhesive (three colors)
19. 12" x 12" Vinyl floor tile and mastic (two patterns)
20. Woodgrain pattern linoleum flooring and adhesive

Ms. Deborah Blankenship, P.G, Senior Project Manager
Civil & Environmental Consultants, Inc.
Renovation Asbestos Inspection– Existing Kroger Store D-715
1215 24th Street, Port Huron, Michigan
Micro Air, Inc. Job #20-18885-D
January 30th, 2023
Page 3

The results of laboratory analysis indicated no asbestos-containing materials present within the Kroger Store D-715 located at 1215 24th Street in Port Huron, Michigan.

Enclosed is a copy of the laboratory bulk sample reports/chain of custody logs, bulk sample location drawings, photographs of materials sampled and inspector/laboratory certifications.

Thank you for the opportunity to provide our asbestos related services. If you have any questions concerning this report or need additional information, please do not hesitate to contact me.

Respectfully submitted,

A handwritten signature in black ink that reads "Donald G. French". The signature is written in a cursive, flowing style.

Donald G. French
Asbestos Inspector
Micro Air, Inc.

TAB 2

PHOTOGRAPHS



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Exterior Photo



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Drywall and Associated Joint Compound
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Exterior
Concrete Block Mortar and Expansion Joint Caulk
No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Exterior

Brick Mortar

No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Warehouse Delivery Dock and Recycling Center
Poured Concrete Slab and Poured Flooring
No Asbestos Detected



Existing Kroger Store D-715

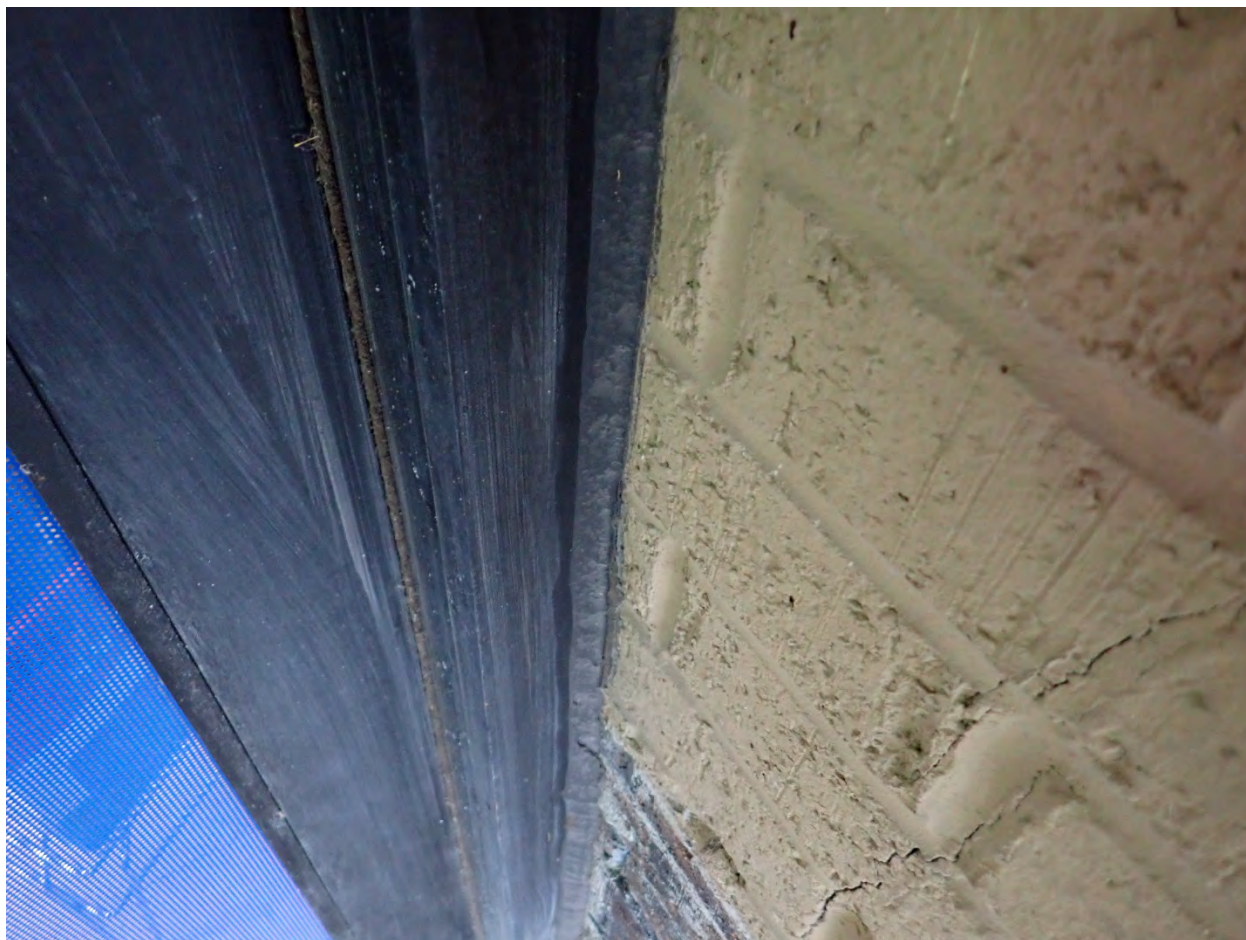
1215 24TH Street

Port Huron, Michigan 48060

Exterior East Side

EFS

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Exterior

Window / Door Frame Caulk

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Exterior East Side

Non-Suspect Metal Soffit



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Exterior East Side

Window Glazing

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Foyer and Food Prep Areas

Clay Tile Grout

No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Restrooms and Food Prep Areas
Ceramic Tile Grout
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Lower Walls of Foyer and Food Prep Areas
Adhesive on Plastic Wall Covering
No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Back Office

Carpet Mastic

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Metal Coolers / Freezers

Gasket at Cooler Walls

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Floral and Pharmacy Sinks

Stainless Steel Sink Insulation

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Warehouse Area

Seam Caulk on HVAC Duct

No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Break Room, Pharmacy, Restroom Hallway
2' x 4' Pinhole Pattern Ceiling Tile
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Food Prep Areas
2' x 4' Drywall Pattern Ceiling Tile
No Asbestos Detected



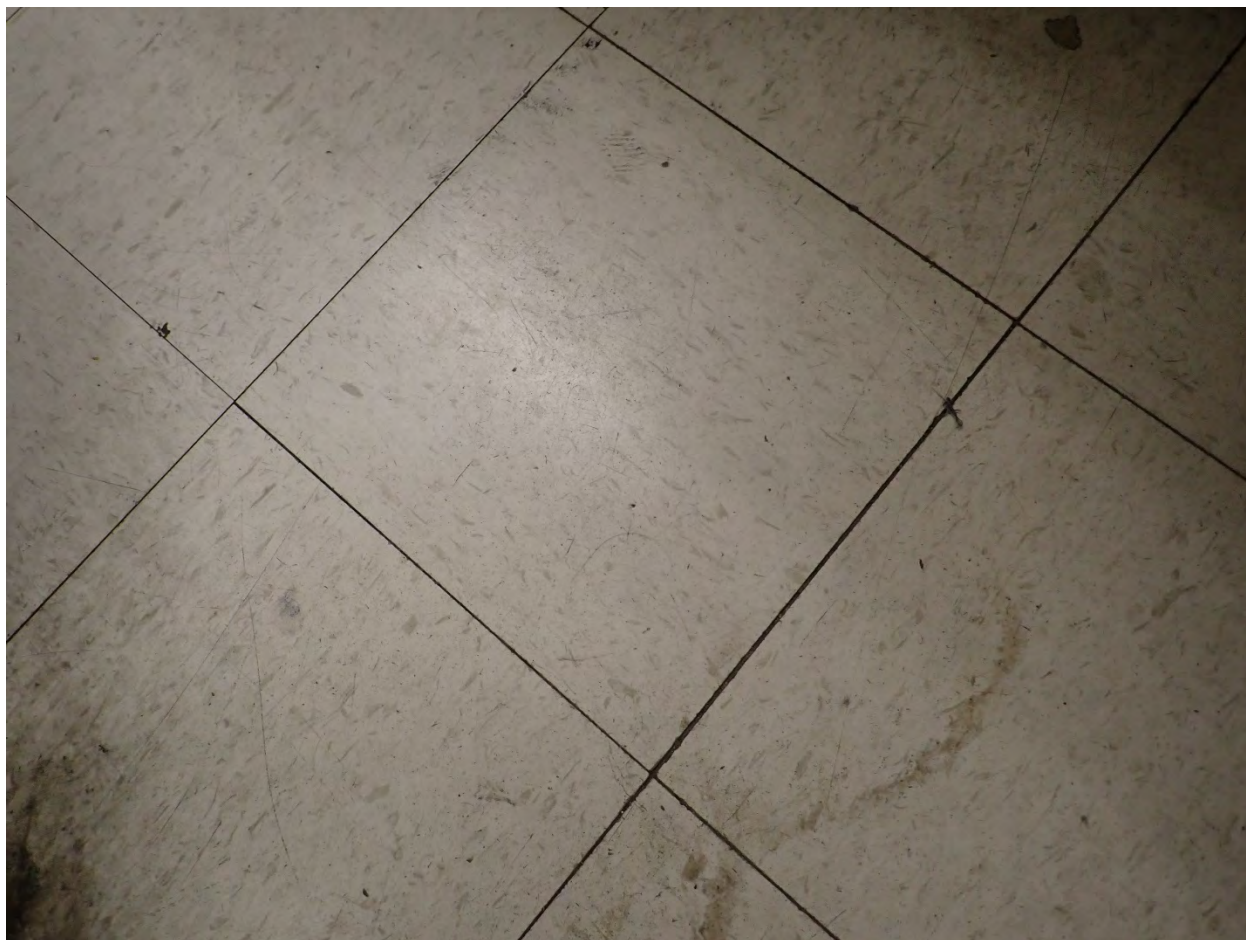
Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Foyer, Store Floor
Black Vinyl Base Molding and Adhesive
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Break Room, Pharmacy, Restroom Hallway
Black Vinyl Base Molding and Adhesive
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Produce Prep, Pharmacy, Customer Services, ECR
Tan Vinyl Base Molding and Adhesive
No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

ECR, Customer Service Areas

12" x 12" White with Grey Streak Pattern Floor Tile and Mastic

No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Store Floor

12" x 12" Cream with White Swirl Pattern Floor Tile and Mastic

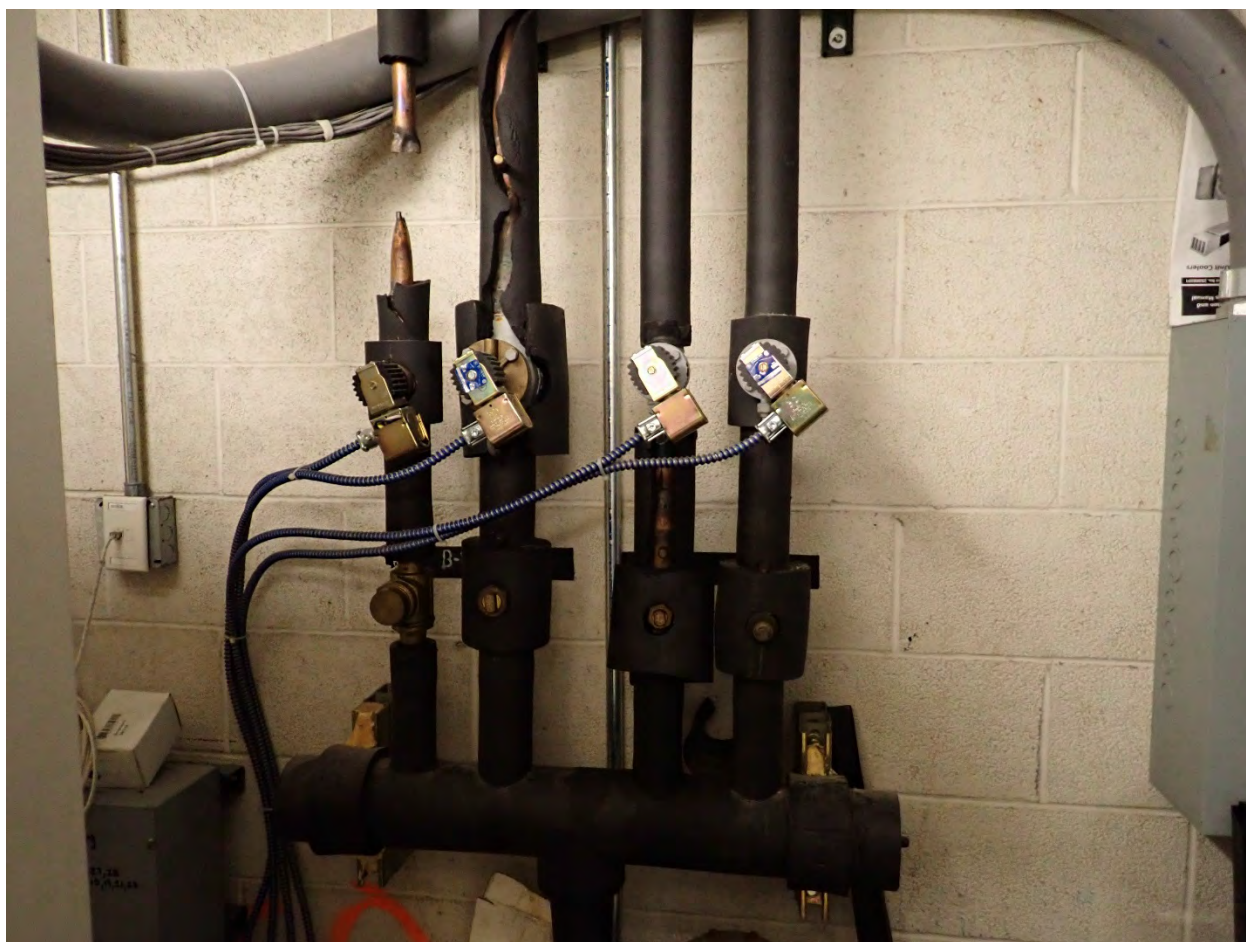
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Produce Department and Break Room
Woodgrain Linoleum Flooring and Adhesive
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Warehouse Areas
Non-Suspect Fiberglass Pipe Insulation
No Asbestos Detected



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Warehouse Areas
Non-Suspect Rubber “Arm-A-Flex” Pipe Insulation
No Asbestos Detected



Existing Kroger Store D-715

1215 24TH Street

Port Huron, Michigan 48060

Warehouse Areas

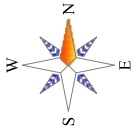
Non-Insulated Roof Drains



Existing Kroger Store D-715
1215 24TH Street
Port Huron, Michigan 48060
Roof
Rubber Membrane Roofing System

TAB 3

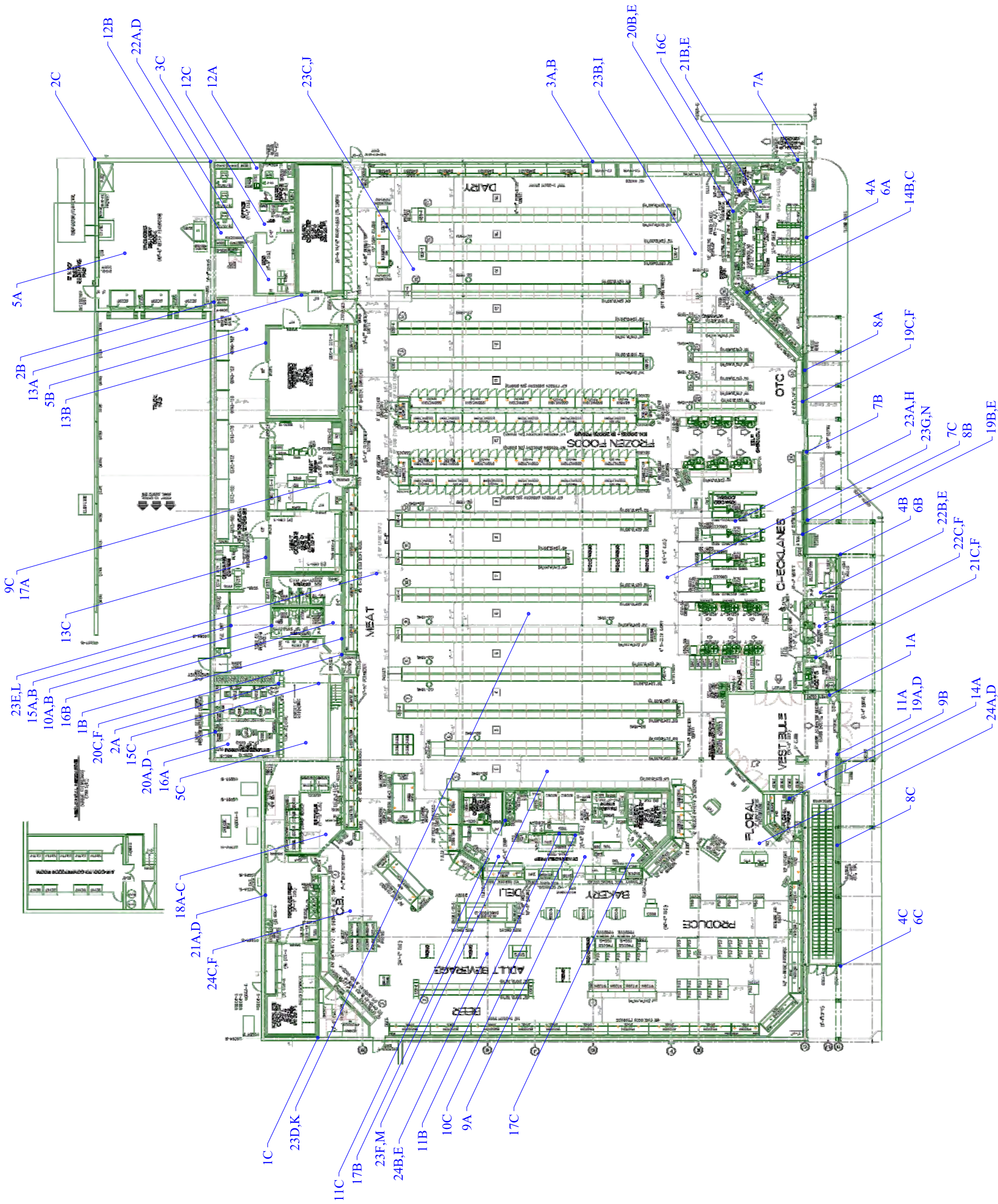
ASBESTOS BULK SAMPLE LOCATION DRAWING



Date: January 2023
Scale: None
Project Mgr.: A.E.B.
Drawn By: D.G.F.
Checked By: A.E.B.

Micro Air, Inc.
6320 La Pas Trail
Indianapolis, Indiana 46268
(317) 293-1533

Existing Kroger Store D-715
1215 24th Street
Port Huron, Michigan
Asbestos Bulk Sample Location Drawing
Drawing #: 20-18885-D SLD



TAB 4

ASBESTOS BULK SAMPLE REPORT/CHAIN OF CUSTODY



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

January 20, 2023

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name:	Existing Kroger Store D-715	Location:	1215 24th St. - Port Huron, MI
Project Number:	20-18885-D	Date Received:	January 16, 2023

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee

Technical Manager

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	1A	1/10/2023	1/16/2023	Drywall & Associated Joint Compound; Foyer	NO	W-BR	NO	N/A	Cellulose 10% Binder 90%
002	1B	1/10/2023	1/16/2023	Drywall & Associated Joint Compound; Restroom Hallway	NO	W	YES	N/A	Cellulose <1% Binder 100%
003	1C	1/10/2023	1/16/2023	Drywall & Associated Joint Compound; Produce Prep	NO	BR-W	NO	N/A	Cellulose 40% Binder 60%
004	2A	1/10/2023	1/16/2023	Concrete Block Mortar; Warehouse - S. End	NO	G	YES	N/A	Binder 100%
005	2B	1/10/2023	1/16/2023	Concrete Block Mortar; Warehouse - N. End	NO	G	YES	N/A	Binder 100%
006	2C	1/10/2023	1/16/2023	Concrete Block Mortar; Exterior - NW Corner	NO	G	YES	N/A	Binder 100%
007	3A	1/10/2023	1/16/2023	Concrete Block Expansion Joint; Exterior - N. Side	NO	BR	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 1/20/2023
Lab Number: 165127

Project Number: 20-18885-D
Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	3B	1/10/2023	1/16/2023	Concrete Block Expansion Joint; Exterior - N. Side	NO	BR	YES	N/A	Binder 100%
009	3C	1/10/2023	1/16/2023	Concrete Block Expansion Joint; Exterior - N. Side	NO	BR	YES	N/A	Binder 100%
010	4A	1/10/2023	1/16/2023	Brick Mortar; Exterior E. Side - N. End	NO	BR	YES	N/A	Binder 100%
011	4B	1/10/2023	1/16/2023	Brick Mortar; Exterior E. Side - Central	NO	BR	YES	N/A	Binder 100%
012	4C	1/10/2023	1/16/2023	Brick Mortar; Exterior E. Side - S. End	NO	BR	YES	N/A	Binder 100%
013	5A	1/10/2023	1/16/2023	Poured Concrete Slab; Delivery Dock	NO	G	YES	N/A	Binder 100%
014	5B	1/10/2023	1/16/2023	Poured Concrete Slab; Warehouse Area - N. End	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	5C	1/10/2023	1/16/2023	Poured Concrete Slab; Warehouse Area - S. End	NO	G	YES	N/A	Binder 100%
016	6A	1/10/2023	1/16/2023	EFS; Exterior	NO	G-W	NO	N/A	Fiberglass 40% Binder 60%
017	6B	1/10/2023	1/16/2023	EFS; Exterior	NO	G-W	NO	N/A	Fiberglass 40% Binder 60%
018	6C	1/10/2023	1/16/2023	EFS; Exterior	NO	G-W	NO	N/A	Fiberglass 40% Binder 60%
019	7A	1/10/2023	1/17/2023	Window/Door Frame Caulk; Pharmacy - Drive-up Window	NO	B	YES	N/A	Binder 100%
020	7B	1/10/2023	1/17/2023	Window/Door Frame Caulk; Exterior E. Side - N. Door	NO	B	YES	N/A	Binder 100%
021	7C	1/10/2023	1/17/2023	Window/Door Frame Caulk; Exterior E. Side - N. Door	NO	B-BR	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 1/20/2023
Lab Number: 165127

Project Number: 20-18885-D
Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	8A	1/10/2023	1/17/2023	Window Glazing; Exterior - East Side, N. End	NO	B	YES	N/A	Binder 100%
023	8B	1/10/2023	1/17/2023	Window Glazing; Exterior - East Side, Central	NO	B	YES	N/A	Binder 100%
024	8C	1/10/2023	1/17/2023	Window Glazing; Exterior - East Side, S. End	NO	B	YES	N/A	Binder 100%
025	9A	1/10/2023	1/17/2023	Clay Tile Grout; Bakery	NO	G	YES	N/A	Binder 100%
026	9B	1/10/2023	1/17/2023	Clay Tile Grout; Foyer	NO	G	YES	N/A	Binder 100%
027	9C	1/10/2023	1/17/2023	Clay Tile Grout; Meat Prep	NO	G	YES	N/A	Binder 100%
028	10A	1/10/2023	1/17/2023	Ceramic Tile Grout; Restroom Wall	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 1/20/2023
Lab Number: 165127

Project Number: 20-18885-D
Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
029	10B	1/10/2023	1/17/2023	Ceramic Tile Grout; Restroom Floor	NO	G	YES	N/A	Binder 100%
030	10C	1/10/2023	1/17/2023	Ceramic Tile Grout; Bakery Wall	NO	G	YES	N/A	Binder 100%
031	11A	1/10/2023	1/17/2023	Plastic Wall Adhesive; Foyer	NO	CLEAR	YES	N/A	Binder 100%
032	11B	1/10/2023	1/17/2023	Plastic Wall Adhesive; Bakery	NO	T	YES	N/A	Binder 100%
033	11C	1/10/2023	1/17/2023	Plastic Wall Adhesive; Deli	NO	CLEAR-T	YES	N/A	Binder 100%
034	12A	1/10/2023	1/17/2023	Carpet Mastic; Back Office	NO	T	YES	N/A	Cellulose <1% Synthetics <1% Binder 100%
035	12B	1/10/2023	1/17/2023	Carpet Mastic; Back Office	NO	T	YES	N/A	Cellulose <1% Synthetics <1% Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
036	12C	1/10/2023	1/17/2023	Carpet Mastic; Back Office	NO	T	YES	N/A	Cellulose <1% Synthetics <1% Binder 100%
037	13A	1/10/2023	1/19/2023	Cooler/Freezer Gasket; Dairy Cooler	NO	G	YES	N/A	Binder 100%
038	13B	1/10/2023	1/19/2023	Cooler/Freezer Gasket; Grocery Freezer	NO	G	YES	N/A	Binder 100%
039	13C	1/10/2023	1/19/2023	Cooler/Freezer Gasket; Meat Cooler	NO	G	YES	N/A	Binder 100%
040	14A	1/10/2023	1/19/2023	Stainless Steel Sink Insulation; Floral Sink	NO	G	YES	N/A	Cellulose 20% Binder 80%
041	14B	1/10/2023	1/19/2023	Stainless Steel Sink Insulation; Pharmacy Sink	NO	G	YES	N/A	Cellulose 20% Binder 80%
042	14C	1/10/2023	1/19/2023	Stainless Steel Sink Insulation; Pharmacy Sink	NO	G	YES	N/A	Cellulose 20% Binder 80%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
043	15A	1/10/2023	1/19/2023	HVAC Duct Seam Caulk; Warehouse - Furnace Unit	NO	G	YES	N/A	Binder 100%
044	15B	1/10/2023	1/19/2023	HVAC Duct Seam Caulk; Warehouse - Furnace Unit	NO	G	YES	N/A	Binder 100%
045	15C	1/10/2023	1/19/2023	HVAC Duct Seam Caulk; Warehouse - South End	NO	G	YES	N/A	Binder 100%
046	16A	1/10/2023	1/19/2023	2' x 4' Pinhole Ceiling Tile; Break Room	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
047	16B	1/10/2023	1/19/2023	2' x 4' Pinhole Ceiling Tile; Restroom Hall	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
048	16C	1/10/2023	1/19/2023	2' x 4' Pinhole Ceiling Tile; Pharmacy	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
049	17A	1/10/2023	1/19/2023	2' x 4' Drywall Ceiling Tile; Meat Prep	NO	W-O	YES	N/A	Cellulose 10% Binder 90%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
050	17B	1/10/2023	1/19/2023	2' x 4' Drywall Ceiling Tile; Deli	NO	W-O	YES	N/A	Cellulose 10% Binder 90%
051	17C	1/10/2023	1/19/2023	2' x 4' Drywall Ceiling Tile; Bakery	NO	W-O	YES	N/A	Cellulose 10% Binder 90%
052	18A	1/10/2023	1/19/2023	Poured Flooring; Recycling Center	NO	BR	YES	N/A	Binder 100%
053	18B	1/10/2023	1/19/2023	Poured Flooring; Recycling Center	NO	BR	YES	N/A	Binder 100%
054	18C	1/10/2023	1/19/2023	Poured Flooring; Recycling Center	NO	BR	YES	N/A	Binder 100%
055	19A	1/10/2023	1/19/2023	Black Base Molding; Foyer	NO	B	YES	N/A	Binder 100%
056	19B	1/10/2023	1/19/2023	Black Base Molding; N. Wall	NO	B	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
057	19C	1/10/2023	1/19/2023	Black Base Molding; Store Floor - NE. Corner	NO	B	YES	N/A	Binder 100%
058	19D	1/10/2023	1/19/2023	Black Base Molding Adhesive; Foyer	NO	T	YES	N/A	Cellulose <1% Binder 100%
059	19E	1/10/2023	1/19/2023	Black Base Molding Adhesive; N. Wall	NO	T	YES	N/A	Cellulose <1% Binder 100%
060	19F	1/10/2023	1/19/2023	Black Base Molding Adhesive; Store Floor - NE. Corner	NO	T	YES	N/A	Cellulose <1% Binder 100%
061	20A	1/10/2023	1/19/2023	Brown Base Molding; Break Room	NO	BR	YES	N/A	Binder 100%
062	20B	1/10/2023	1/19/2023	Brown Base Molding; Pharmacy	NO	BR	YES	N/A	Binder 100%
063	20C	1/10/2023	1/19/2023	Brown Base Molding; Restroom Hallway	NO	BR	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
064	20D	1/10/2023	1/19/2023	Brown Base Molding Adhesive; Break Room	NO	T	YES	N/A	Cellulose <1% Binder 100%
065	20E	1/10/2023	1/19/2023	Brown Base Molding Adhesive; Pharmacy	NO	T	YES	N/A	Cellulose <1% Binder 100%
066	20F	1/10/2023	1/19/2023	Brown Base Molding Adhesive; Restroom Hallway	NO	T	YES	N/A	Cellulose <1% Binder 100%
067	21A	1/10/2023	1/19/2023	Tan Base Molding; Produce Prep	NO	T	YES	N/A	Binder 100%
068	21B	1/10/2023	1/19/2023	Tan Base Molding; Pharmacy	NO	T	YES	N/A	Binder 100%
069	21C	1/10/2023	1/19/2023	Tan Base Molding; Customer Service	NO	T	YES	N/A	Binder 100%
070	21D	1/10/2023	1/19/2023	Tan Base Molding Adhesive; Produce Prep	NO	O	YES	N/A	Cellulose 2% Binder 98%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
071	21E	1/10/2023	1/19/2023	Tan Base Molding Adhesive; Pharmacy	N/A	N/A	M/A	NOT ANALYZED	QUANTITY NON SUFFICIENT
072	21F	1/10/2023	1/19/2023	Tan Base Molding Adhesive; Customer Service	NO	O	YES	N/A	Cellulose <1% Binder 100%
073	22A	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile; ECR	NO	W	YES	N/A	Binder 100%
074	22B	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile; Customer Service Storage	NO	W	YES	N/A	Binder 100%
075	22C	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile; Customer Service Counter	NO	W	YES	N/A	Binder 100%
076	22D	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile Adhesive; ECR	NO	T	T	N/A	Cellulose <1% Binder 100%
077	22E	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile Adhesive; Customer Service Storage	NO	B-O	T	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
078	22F	1/10/2023	1/20/2023	12" x 12" White with Grey Streaks Floor Tile Adhesive; Customer Service Counter	NO	B	T	N/A	Cellulose <1% Binder 100%
079	23A	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor at Checkout	NO	T	YES	N/A	Binder 100%
080	23B	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor by Pharmacy	NO	T	YES	N/A	Binder 100%
081	23C	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor - NW at Aisle 14	NO	T	YES	N/A	Binder 100%
082	23D	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor - Middle of Store at Aisle 9	NO	T	YES	N/A	Binder 100%
083	23E	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor - W. Side by Restrooms	NO	T	YES	N/A	Binder 100%
084	23F	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor - S. End by Aisle 2	NO	T	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
085	23G	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile; Store Floor - E. Side by Aisle 7	NO	T	YES	N/A	Binder 100%
086	23H	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor at Checkout	NO	T	YES	N/A	Cellulose <1% Binder 100%
087	23I	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor by Pharmacy	NO	B-T	YES	N/A	Cellulose 2% Binder 98%
088	23J	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor - NW at Aisle 14	NO	B-O	YES	N/A	Cellulose 2% Binder 98%
089	23K	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor - Middle of Store at Aisle 9	NO	O	YES	N/A	Cellulose <1% Binder 100%
090	23L	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor - W. Side by Restrooms	NO	B-O	YES	N/A	Cellulose 2% Binder 98%
091	23M	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor - S. End by Aisle 2	NO	O	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 1/20/2023
 Lab Number: 165127

Project Number: 20-18885-D
 Project Name: Existing Kroger Store D-715

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 1215 24th St. - Port Huron, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
092	23N	1/10/2023	1/20/2023	12" x 12" Cream w/ White Swirl Pattern Floor Tile Mastic; Store Floor - E. Side by Aisle 7	NO	O	YES	N/A	Cellulose <1% Binder 100%
093	24A	1/10/2023	1/20/2023	Woodgrain Linolium Flooring; Produce by Floral	NO	BR-B	YES	N/A	Binder 100%
094	24B	1/10/2023	1/20/2023	Woodgrain Linolium Flooring; Produce by Deli	NO	T-B	YES	N/A	Binder 100%
095	24C	1/10/2023	1/20/2023	Woodgrain Linolium Flooring; Produce by Bread	NO	B-G	YES	N/A	Binder 100%
096	24D	1/10/2023	1/20/2023	Woodgrain Linolium Flooring Mastic; Produce by Floral	NO	O	YES	N/A	Cellulose <1% Binder 100%
097	24E	1/10/2023	1/20/2023	Woodgrain Linolium Flooring Mastic; Produce by Deli	NO	T	YES	N/A	Cellulose <1% Binder 100%
098	24F	1/10/2023	1/20/2023	Woodgrain Linolium Flooring Mastic; Produce by Bread	NO	CLEAR	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants

Project Number: 20-18885-D

Report Date: 1/20/2023

Project Name: Existing Kroger Store D-715

Lab Number: 165127

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.

micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

165127

TECHNICIAN Donald G French DATE 1-10-23 JOB # 20-18885-D

LOCATION Kroger Store D-715 PAGE 1 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
004 1A	Foyer			Drywall + Associated
007 B	Restroom Hallway			Tint Compound
005 C	Produce Prep			↓
004 2A	Warehouse - S end			Concrete Block
005 B	Warehouse - N end			Mortar
006 C	Exterior - NW Corner			↓
007 3A	Exterior - N side			Concrete Block
008 B	↓			Expansion Joint
009 C	↓			↓
010 4A	Exterior E side - N end			Brick Mortar
011 B	- Central			↓
012 C	- S end			↓
013 5A	Delivery Dock			Poured Concrete
014 B	Warehouse Area N end			Slab
015 C	Warehouse Area S end			↓
016 6A	Exterior -			EFS
017 B	" "			↓
018 C	" "			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

1/16/23

9/20/23

micro air inc.

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DAILY BULK SAMPLE LOG 165127

TECHNICIAN Donald G French DATE 1-10-23 JOB # 20-18885-D

LOCATION Kroger Store D-715 PAGE 2 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
019 7A	Pharmacy Drive-up Window			Window/Door
020 B	Exterior E side - N Door			Frame Caulk
021 C				↓
022 8A	Exterior East Side - N end			Window Glazing
023 B	↓ - Central			↓
024 C	↓ - S end			
025 9A	Bakery			Clay Tile
026 B	Foyer			Grout
027 C	Meat Prep			↓
028 10A	Restroom Wall			Ceramic Tile
029 B	Restroom Floor			Grout
030 C	Bakery Wall			↓
031 11A	Foyer			Plastic Wall
032 B	Bakery			Adhesive
033 034 C	Deli			↓
034 035 12A	Back Office			Carpet Mastic
035 036 B	↓			↓
036 037 C				

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

1/16/23

9:00am

micro air inc.

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DAILY BULK SAMPLE LOG

165127

TECHNICIAN Donald G French DATE 1-10-23 JOB # 20-18885-D

LOCATION Kroger Store D-715 PAGE 3 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
13 A	Dairy Cooler			Cooler/Freezer
B	Grocery Freezer			Gasket
C	Meat Cooler			↓
14 A	Floral Sink			Stainless Steel
B	Pharmacy Sink			Sink Insulation
C	Pharmacy Sink			↓
15 A	Warehouse - Furnace Unit			HVAC Duct
B	" - Furnace Unit			Seam Caulk
C	" - South end			↓
16 A	Break Room			2'x4' Ceiling Tile
B	Restroom Hall			(Pinhole Pattern)
C	Pharmacy			↓
17 A	Meat Prep			2'x4' Ceiling Tile
B	Deli			(Drywall)
C	Bakery			↓
18 A	Recycling Center			Poured Flooring
B	↓			↓
C				↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

1/16/23
4:00 AM

micro air inc.

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DAILY BULK SAMPLE LOG 165127

TECHNICIAN Donald G French DATE 1-10-23 JOB # 20-18885-D
LOCATION Kroger Store D-715 PAGE 4 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
19 A	Foyer			Black Base Molding
B	N Wall			
C	Store Floor - NE Corner			↓
D				Adhesive
E				on
F				Above
20 A	Break Room			Brown Base Molding
B	Pharmacy			
C	Restroom Hallway			↓
D				Adhesive
E				on
F				Above
21 A	Produce Prep			Tan Base Molding
B	Pharmacy			
C	Customer Service			↓
D				Adhesive
E				on
F				Above
22 A	ECR			12"x12" Floor Tile
B	Customer Service Storage			White with Grey Streaks
C	Customer Service Counter			↓
D				Mastic
E				on
F				Above

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

1/16/23

9:00AM

micro air inc.

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DAILY BULK SAMPLE LOG

165127

TECHNICIAN Donald G French DATE 1-10-23 JOB # 20-18885-D

LOCATION Kroger Store D-715 PAGE 5 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
089 080 080 081 081 082 082 083 083 084 084 085 085 086 23 A	Store Floor @ Check-out			12"X12" Floor Tile
B	by Pharmacy	W BIK Masti		Cream w. White
C	- N side Isle 14			Swirl Pattern
D	- middle of Store @ Isle 9			
E	- W side by Restrooms			
F	- S end by Isle 2			
G	↓ - E side by Isle 7			↓
086 087 087 088 088 089 089 090 090 091 091 092 092 093 23 H	Produce by Floral Same as 23 A			Masti's on Above
I	" " 23 B			
J	" " 23 C			
K	" " 23 D			
L	" " 23 E			
M	" " 23 F			
N	" " 23 G			↓
093 094 094 095 095 096 096 097 097 098 098 099 24 A	Produce by Floral			Woodgrain
B	Produce by Deli			Laminated Flooring
C	Produce by Bread			↓
D				Adhesive
E				on
F	↓			Above

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

9:00 AM

TAB 5
CERTIFICATIONS

Donald G. French

Donald G. French
6320 LaPas Trail
Indianapolis, IN 46268

Inspector

A11834

03/07/2023

157478



**United States Department of Commerce
National Institute of Standards and Technology**



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101221-0

Micro Air, Inc.
Indianapolis, IN

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2022-04-01 through 2023-03-31

Effective Dates




For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Micro Air, Inc.
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ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101221-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program



ASBESTOS SURVEY REPORT

**Kroger Store D-715 Renovation
1215 24th Street Road
Port Huron, Michigan**

Prepared by:



AMEC Environment & Infrastructure, Inc.

15933 Clayton Road, Suite 215
Ballwin, MO 63011
636.386.3800
636.386.3804 (fax)

AMEC Project No. 242413121

October 4, 2013



October 4, 2013

Mr. Josh Minnich
Project Manger
The Kroger Co.
Michigan Division
40393 Grand River
Novi, Michigan 48375

**RE: Asbestos Survey Report
Kroger Store D-715 Renovation
1215 24th Street
Port Huron, MI
Project No. 242413121**

Dear Mr. Minnich:

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to present this Asbestos Survey Report for the above-referenced property (subject property). This work was authorized by Kroger Purchase Order DO813175 dated August 16, 2013. The Asbestos Survey was conducted in accordance with AMEC's proposal dated July 23, 2013. AMEC conducted the site reconnaissance on September 5, 2013.

AMEC appreciates the opportunity to serve The Kroger Co. on this project. Please call us if we can be of any further assistance.

Sincerely,
AMEC Environment & Infrastructure, Inc.

A handwritten signature in blue ink, appearing to read "DS".

Douglas R. Saigh
Certified Asbestos Inspector

A handwritten signature in blue ink, appearing to read "Kevin S. Arnold".

Kevin S. Arnold
Senior Environmental Scientist

A handwritten signature in blue ink, appearing to read "Deborah J. Blankenship".

Deborah J. Blankenship, PG, CPG
Senior Geologist

cc: Keith Oliver, The Kroger Co.
Brett Smollen, The Kroger Co.
Breana Roth, The Kroger Co.

AMEC Environment & Infrastructure, Inc.

15933 Clayton Road, Suite 215, Ballwin, MO 63011 • Phone: 636.200.5121 • Fax: 636.386.3804
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EXECUTIVE SUMMARY

AMEC conducted an asbestos survey of the Kroger Store D-715 located at 1215 24th Street in Port Huron Township, St. Clair County, Michigan. The purpose of this survey was to identify and sample suspect asbestos-containing materials (ACMs) and provide information regarding the identity, location, condition and approximate quantities of interior and exterior ACMs. It is our understanding that Kroger plans to renovate Kroger Store D-715.

The survey was conducted on September 5, 2013, by an Asbestos Hazard Emergency Response Act (AHERA)-accredited and State of Michigan-licensed building inspector in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. Based on the results of the asbestos survey, asbestos in concentrations of more than one percent (1%) was not identified in the materials sampled and analyzed. However, asbestos in concentrations less than one percent (1%) was identified in black mastic associated with the 12" x 12" white with flecks floor tile (K-HA-1).

The black floor tile mastic analytical result was less than one percent asbestos, which is considered non-asbestos containing and is exempt from State of Michigan asbestos renovation and abatement regulations. However, renovation or demolition activities disturbing the black mastic would need to comply with the OSHA Construction Standard (29 CFR 1926.1101), which regulates workplace exposure to asbestos.

Should suspect materials other than those which were identified during this survey be uncovered during the demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny asbestos content.

1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC) conducted an asbestos survey of Kroger Store D-715 located at 1215 24th Street in Port Huron, St. Clair County, Michigan (subject property). The survey was conducted in general accordance with our proposal dated July 23, 2013 and “The Kroger Co., Environmental Site Assessment Specification, v. September 2012” (Kroger Scope of Work). The asbestos survey was authorized by Kroger Purchase Order DO813175 dated August 16, 2013. The survey was conducted by an Asbestos Hazard Emergency Response Act (AHERA)-accredited and State of Michigan-licensed asbestos inspector on September 5, 2013.

AMEC understands that this asbestos survey was requested due to renovations to Kroger Store D-715. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during demolition or renovation activities. The asbestos NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances.

1.2 Reliance

This report has been prepared for the exclusive use and reliance of The Kroger Co. and its subsidiaries and affiliates and its authorized representatives (Users), who may solely rely upon the conclusions presented herein. Reliance on this asbestos survey report by the Users and all authorized parties will be subject to the terms, conditions and limitations stated in the Master Service Agreement (MSA) No. 3268 signed by AMEC and the Kroger Co. General Offices (G.O.) on June 12, 2008.

2.0 SUBJECT PROPERTY DESCRIPTION

The subject property is occupied by Kroger Store D-715 and is improved with a one single-story building, asphalt and concrete parking areas and drives. According to the Port Huron Township Assessor’s records and information provided by Kroger, the building was constructed in 1977 and contains approximately 76,175 square feet (SF) under roof. The building is constructed of concrete block with brick fascia on a concrete slab foundation. The roof consisted of metal lattice roof joists and corrugated metal roof deck, supporting a Duro-Last roofing system. Interior finishes consists of wallboard and concrete block walls, acoustical ceiling tiles, vinyl and ceramic floor tile, and concrete floors. The building is heated and

cooled by forced-air systems located on the roof. Photographs of the subject property and suspect asbestos-containing materials (ACMs) are contained in Appendix A.

3.0 FIELD ACTIVITIES

The survey was conducted by State of Michigan-certified asbestos inspector, Mr. Mike Dende of AMEC. A copy of Mr. Dende's asbestos inspector certification is contained in Appendix D. The survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, AHERA. A summary of the survey activities is provided in the following subsections.

3.1 Visual Assessment

Survey activities began with a visual inspection of interior and exterior areas of the building to identify homogeneous areas of suspect ACMs and document the location, condition, and approximate quantities of suspect ACMs. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and consideration of date of application. Building materials identified as concrete, glass, wood, masonry, metal or rubber are not considered suspect ACM and, therefore, were not sampled. Also, if information was available to indicate a material did not contain asbestos (i.e., product labels), the material was not sampled.

The interior inspection was limited to accessible areas and destructive sampling (e.g., breaking into wall voids) was not conducted. The exterior assessment was limited to exterior walls, doors, windows, and the roofing system. As relayed by Kroger, the roof for this facility is not under warranty; therefore, sampling was approved by the landlord, Mr. Clay Ralston.

AMEC did not observe additional flooring layers unless mentioned in this report; however, as AMEC could not assess beneath all floor covering in all areas, there may be isolated areas of additional suspect material present beneath existing flooring. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed area, if encountered.

3.2 Bulk Sample Collection

Based on the findings of the visual inspection, bulk samples of suspect ACM were collected in general accordance with AHERA sample collection protocols. Random samples were collected for each suspect homogeneous material identified. Samples were placed in sealable containers, labeled with unique sample numbers, using an indelible marker.

Fifty-one (51) bulk samples representing 17 homogeneous areas (HAs) of suspect ACMs were collected during the inspection. Some bulk samples collected included multiple layers (e.g., floor tile and mastic). Due to safety issues, suspect ACMs identified on electrical and mechanical components were not sampled as part of this survey.

Approximate sample locations are depicted on a Sample Location Plan presented as Figure 1. A Sample Summary containing sample numbers, material description, and sample locations is contained in Appendix B. A summary of confirmed and/or assumed asbestos-containing materials with laboratory results, general locations, and estimated quantities is contained in Appendix C.

3.3 Sample Analysis

Bulk samples were submitted under chain of custody to QuanTEM Laboratories (QuanTEM) in Oklahoma City, Oklahoma, for analysis by polarized light microscopy (PLM) with dispersion staining techniques per EPA's Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116). The percentage of asbestos, where applicable, was established by microscopic visual estimation. QuanTEM is an accredited National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 101959-0) laboratory. The laboratory analytical report is contained in Appendix D.

3.4 Building Plans or Prior Reports

Kroger did not provide prior asbestos survey reports or an Operation and Maintenance Program for the subject property for review. Further, no as-built plans, construction plans, or material schedules were available for review.

4.0 REGULATORY OVERVIEW

The State of Michigan Department of Environmental Quality (MDEQ), Air Division NESHAP Program, enforces the Asbestos NESAHF. The Asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification according to friability of existing ACM prior to demolition or renovation activity.

The NESHAP regulation classifies ACM as either regulated asbestos-containing material (RACM), Category I non-friable ACM, or Category II non-friable ACM. RACM includes friable ACM, along with Category I non-friable ACM that has become friable or will be or has been subjected to sanding, grinding, cutting or abrading, and Category II non-friable ACM that has a high probability of becoming friable in the course of renovation or demolition activity. Friable ACM is a material containing more than 1% asbestos that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, resilient floor covering mastics and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos.

Friable ACM along with Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and could be crushed or pulverized during anticipated renovation or renovation activities are considered RACM. RACM must be removed prior to renovation or demolition activities which will disturb the materials.

The Occupational Safety and Health Administration (OSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposures to airborne asbestos fibers be maintained below 0.1 fiber per cubic centimeter of air (0.1 f/cc) as an eight (8) hour-time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30 minute time period, the excursion limit. The TWA and excursion limit together are known as the OSHA permissible exposure limits or PELs. The OSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

In the State of Michigan, the owner or operator must provide the MDEQ NESHAP Program and the State of Michigan Department of Licensing and Regulatory Affairs (LARA) with written notification at least 10 working days prior to the commencement of any renovation activity which will include the disturbance of at least 160 square feet or 260 linear feet or 35 cubic feet of RACM or prior to the commencement of demolition. Removal of RACM must be conducted by a LARA licensed asbestos abatement contractor. Demolition of any structure, which is defined as removal of a load-bearing member, requires a 10-day notification even when no asbestos is present.

AMEC recommends that for all ACMs, regardless of quantity, removal be completed by an LARA-licensed asbestos abatement contractor. The owner or operator must provide the MDEQ and LARA with written notification at least 10 working days prior to the commencement of asbestos abatement activities that will disturb RACM in amounts greater than or equal to 160 square feet, 260 linear feet or 35 cubic feet.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Findings and Recommendations

The following summarizes AMEC's findings resulting from the completion of the asbestos survey for the Kroger Store D-715 located at 1215 24th Street in Port Huron Township, St. Clair County, Michigan. The survey was conducted by a State of Michigan-licensed asbestos inspector on September 5, 2013.

Based on the results of the asbestos survey, asbestos in concentrations of more than one percent (1%) was not identified in the materials sampled and analyzed. However, asbestos in concentrations less than one percent (1%) was identified in the black mastic associated with 12" x 12" white with flecks floor tile (K-HA-1).

The black floor tile mastic analytical result was less than one percent asbestos, which is considered non-asbestos containing and is exempt from State of Michigan asbestos renovation and abatement regulations. However, renovation or demolition activities disturbing the black mastic would need to comply with the OSHA Construction Standard (29 CFR 1926.1101), which regulates workplace exposure to asbestos.

The black floor tile mastic is apparently remnant mastic from a prior flooring system. The 12" x 12" white with flecks floor tile was visually observed throughout the retail area; however, due to the existing floor tile and mastic, the remnant black mastic layer was not visually verified or present in other floor tile samples collected from the retail area.

It should be noted that suspect materials, other than those identified during the September 5, 2013, survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered during the renovation process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny asbestos content.

6.0 GENERAL COMMENTS

This asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the Kroger Company for specific application to their project as discussed. *This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary.* AMEC does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

FIGURES

Figure 1: Sample Location Plan



APPENDIX A

Photographs

**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 1

Description:

Facing west, showing typical exterior conditions at the subject property.



Photo: 2

Description:

Typical interior conditions in the customer service area.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 3

Description:

Typical interior conditions in the warehouse.

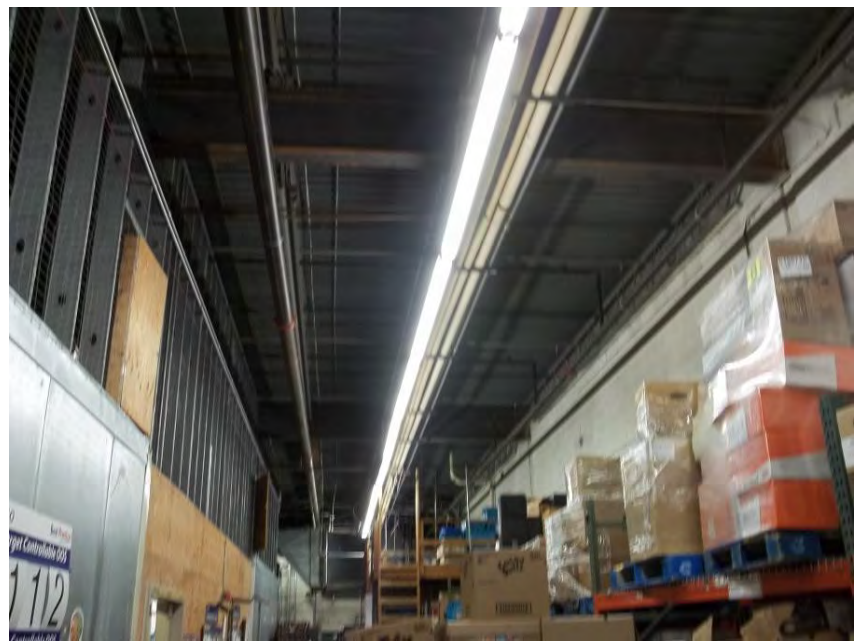
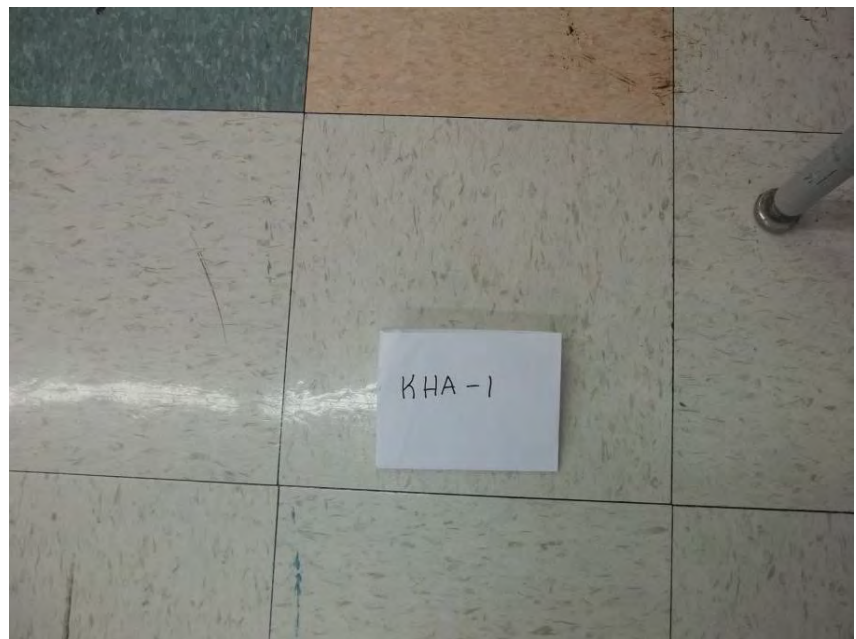


Photo: 4

Description:

View of K-HA-1, 12" x 12" white with flecks floor tile and mastic.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 5

Description:

View of K-HA-2, 12" x 12" pink with flecks floor tile and mastic.

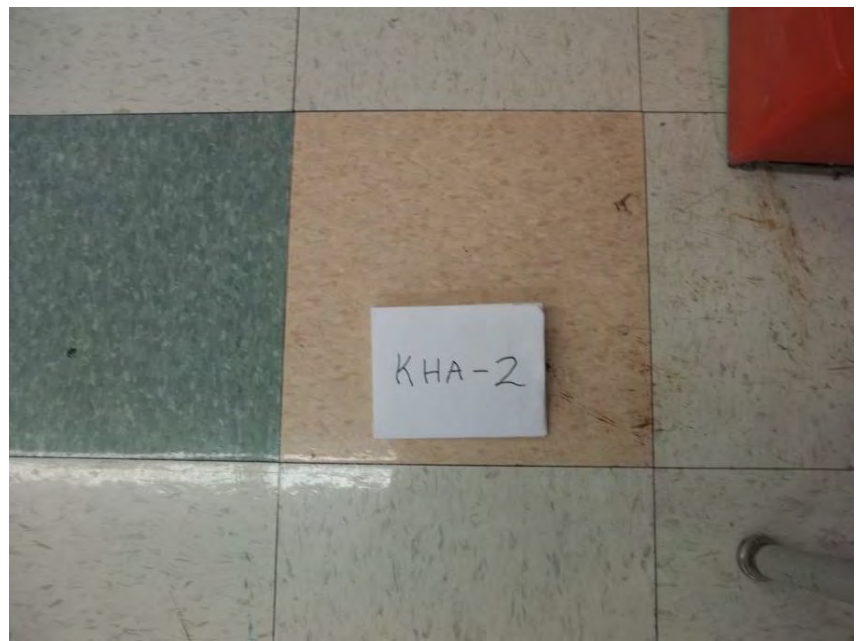
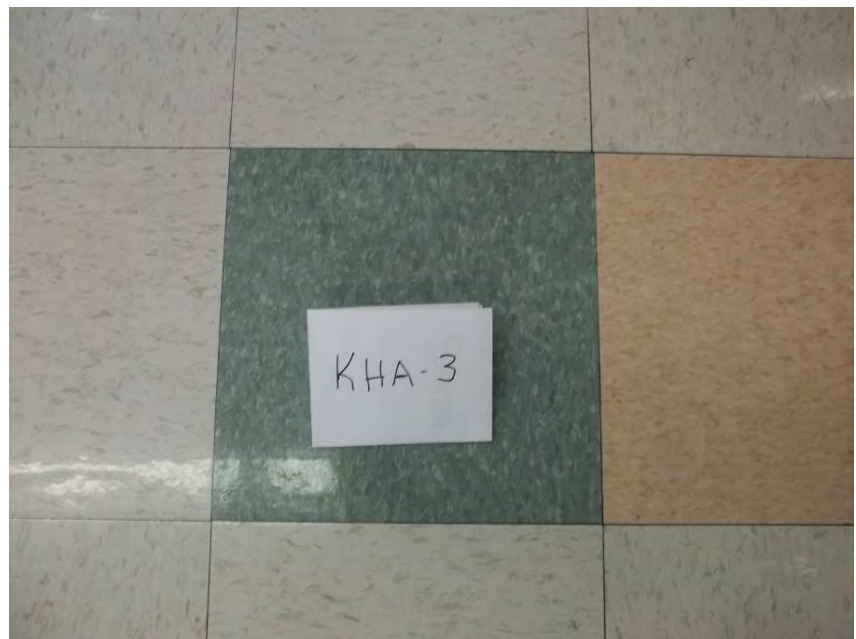


Photo: 6

Description:

View of K-HA-3, 12" x 12" green with flecks floor tile and mastic.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 7

Description:

View of K-HA-4, tan baseboard and mastic.

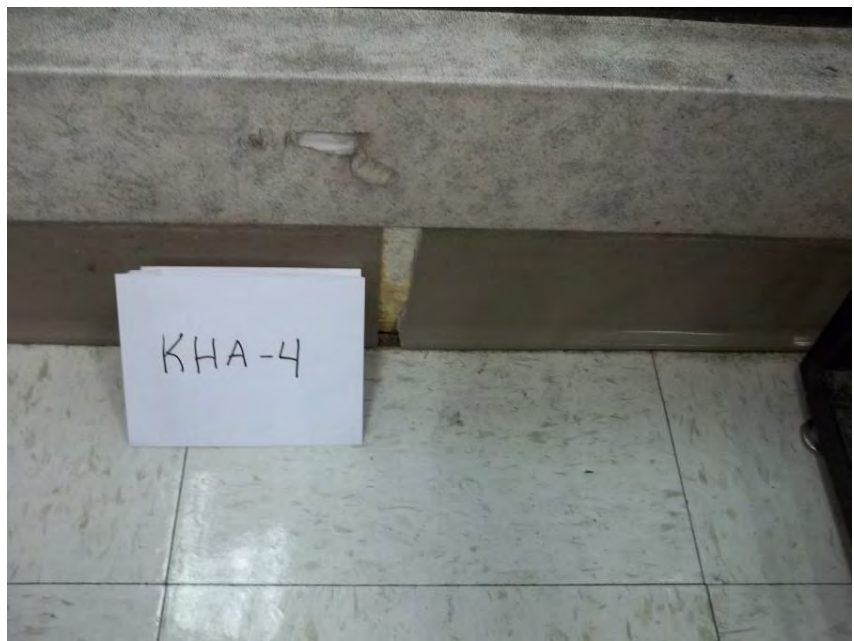


Photo: 8

Description:

View of K-HA-5, 12" x 12" tan with multi-flecks floor tile and mastic.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 9

Description:

View of K-HA-6, 12" x 12" black with multi-flecks floor tile and mastic.



Photo: 10

Description:

View of K-HA-7, 12" x 12" green with multi-flecks floor tile and mastic.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 11

Description:

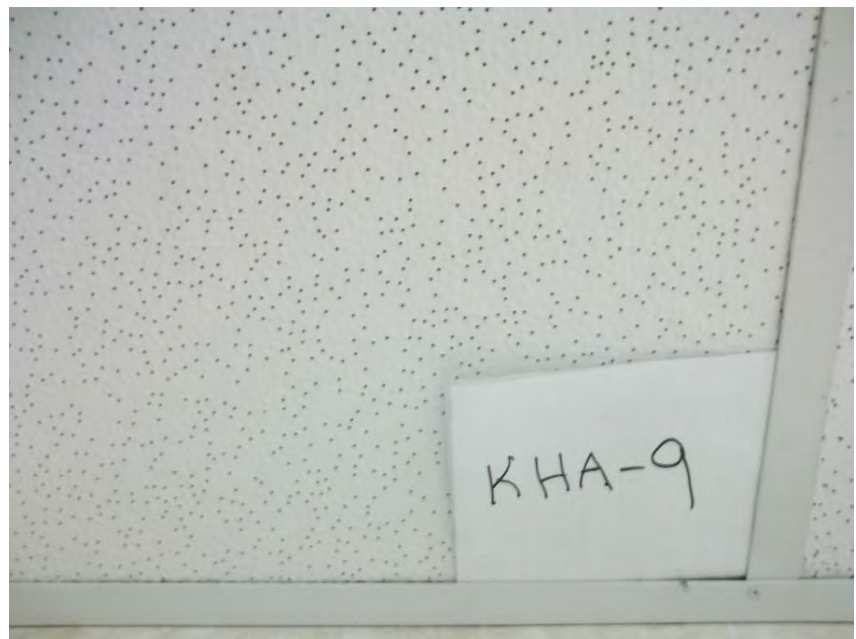
View of K-HA-8, brown baseboard and mastic.



Photo: 12

Description:

View of K-HA-9, 2' x 4' pinhole ceiling tile.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 13

Description:

View of K-HA-10, 2' x 4'
smooth ceiling tile.

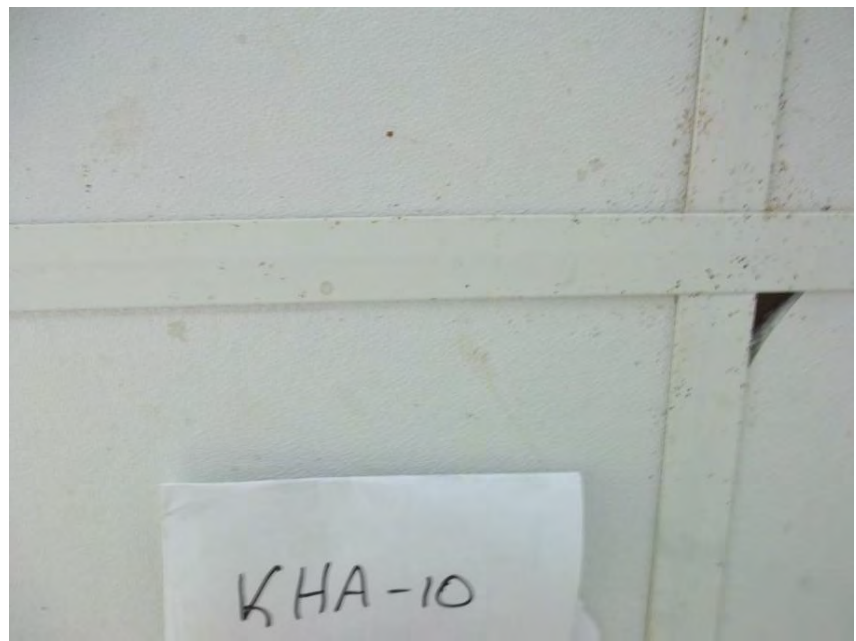
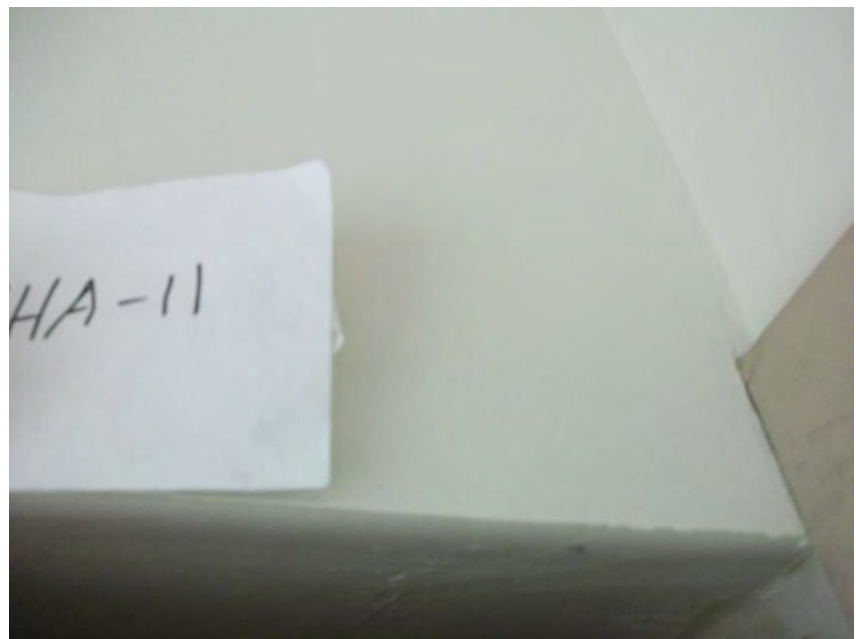


Photo: 14

Description:

View of K-HA-11,
drywall/joint compound on
interior walls.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 15

Description:

View of K-HA-12,
drywall/joint compound on
perimeter walls.

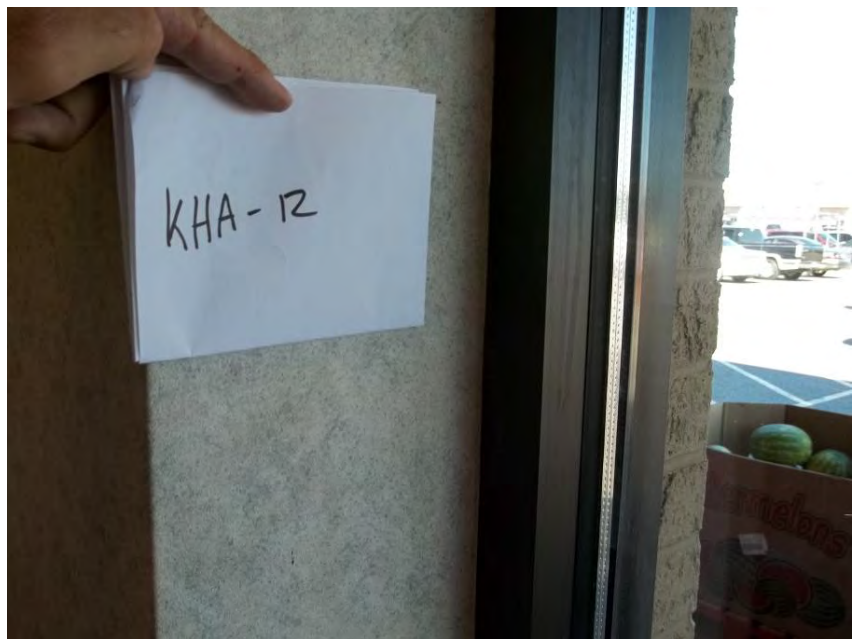
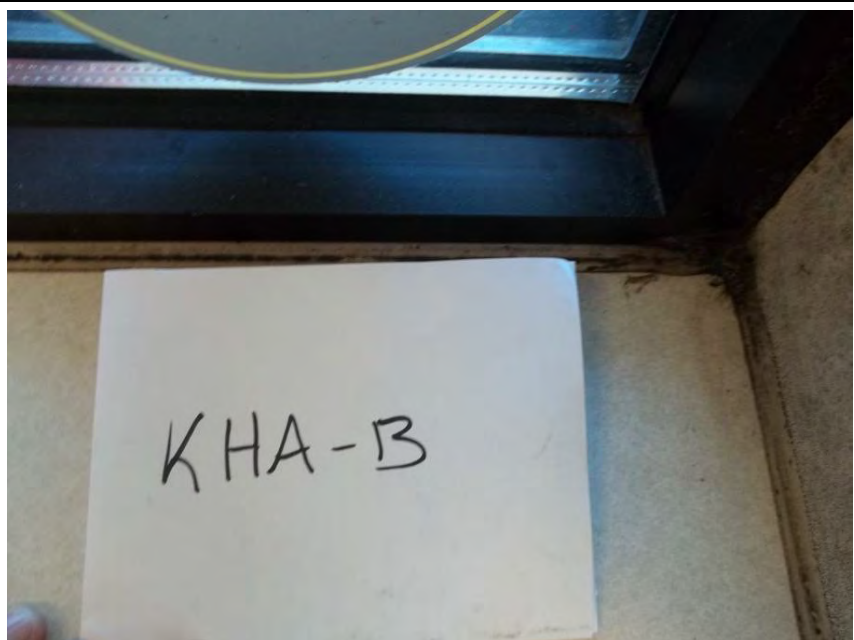


Photo: 16

Description:

View of K-HA-13, interior
window caulk.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 17

Description:

View of K-HA-14, exterior window caulk.

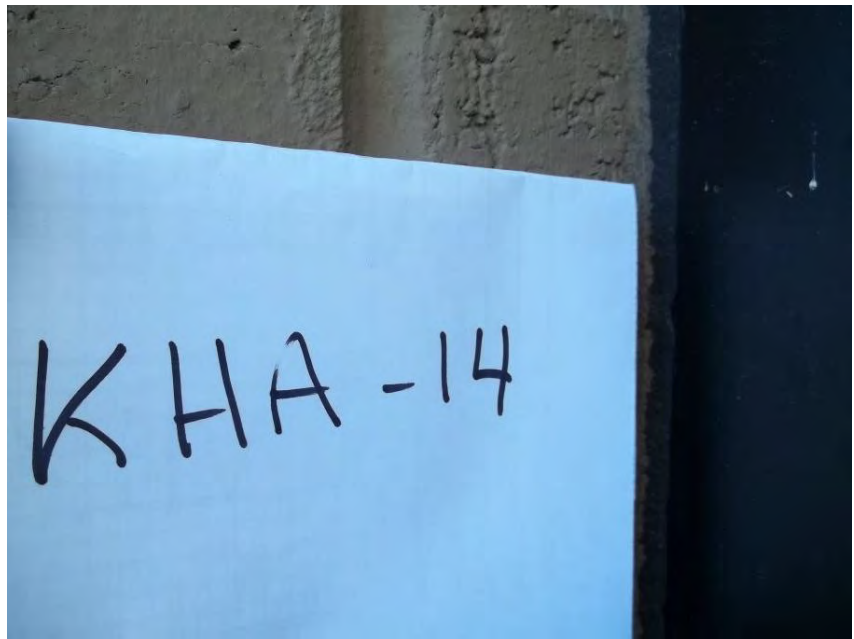
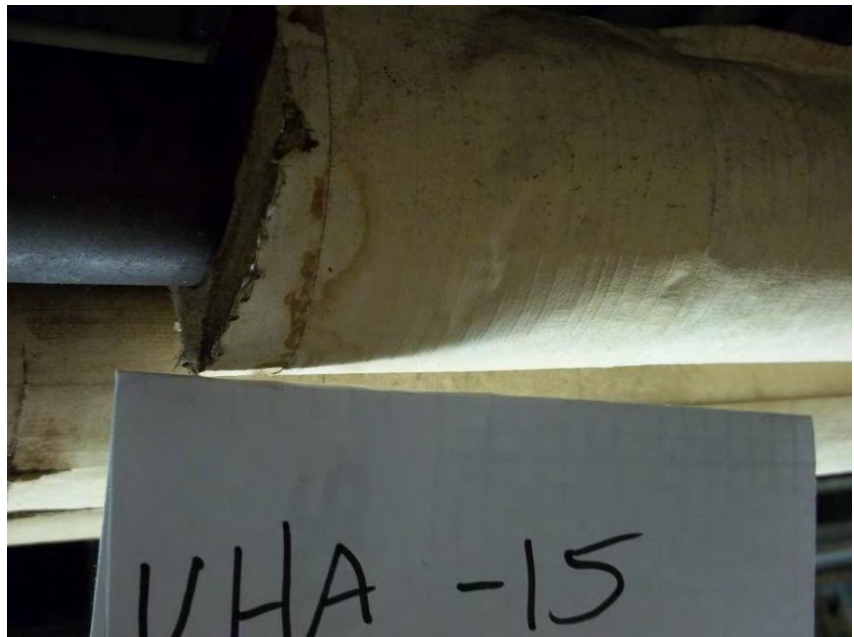


Photo: 18

Description:

View of K-HA-15, tape wrap on fiberglass pipe covering.



**Photographic Documentation
The Kroger Co.
Kroger Store D-715 Renovation
Port Huron, Michigan
Project No. 242413121**

Photo: 19

Description:

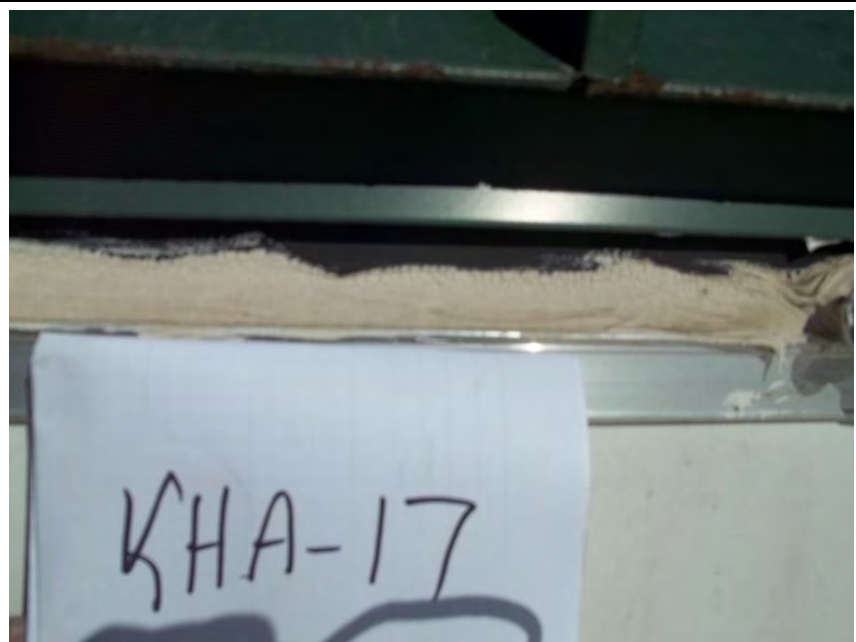
View of K-HA-16,
membrane roofing system.



Photo: 20

Description:

View of K-HA-17, roof
caulk.





APPENDIX B
Asbestos Sample Summary



ASBESTOS SAMPLE SUMMARY Kroger Store D-715 Renovation 1215 24 th Street Port Huron Township, Michigan AMEC Project No. 242413121			
HA	Sample No.	Description	Sample Location
1	K-HA-1-1	12"x12" White with Flecks Floor Tile and Mastic	Retail (checkout lane)
	K-HA-1-2		Retail (aisle)
	K-HA-1-3		Retail (near frozen)
2	K-HA-2-1	12"x12" Pink with Flecks Floor Tile and Mastic	Retail (office)
	K-HA-2-2		Retail (aisle)
	K-HA-2-3		Retail (near frozen)
3	K-HA-3-1	12"x12" Green with Flecks Floor Tile and Mastic	Retail (office)
	K-HA-3-2		Retail (aisle)
	K-HA-3-3		Retail (near frozen)
4	K-HA-4-1	Tan Vinyl Baseboard and Mastic	Retail (checkout lane)
	K-HA-4-2		Retail (near pharmacy)
	K-HA-4-3		Retail (dairy)
5	K-HA-5-1	12"x12" Tan with Multi Flecks Floor Tile and Mastic	Retail (produce)
	K-HA-5-2		Retail (floral)
	K-HA-5-3		Retail (produce)
6	K-HA-6-1	12"x12" Black with Multi Flecks Floor Tile and Mastic	Retail (produce)
	K-HA-6-2		Retail (floral)
	K-HA-6-3		Retail (produce)
7	K-HA-7-1	12"x12" Green with Multi Flecks Floor Tile and Mastic	Retail (produce)
	K-HA-7-2		Retail (floral)
	K-HA-7-3		Retail (produce)
8	K-HA-8-1	Brown Vinyl Baseboard and Mastic	Employee Break Room
	K-HA-8-2		Employee Break Room
	K-HA-8-3		Employee Break Room
9	K-HA-9-1	2'x4' White Pinhole Ceiling Tile	Employee Break Room
	K-HA-9-2		Mezzanine Stairwell
	K-HA-9-3		Employee Restroom Hallway
10	K-HA-10-1	2'x4' White Smooth Ceiling Tile (drywall)	Meat Preparation Area
	K-HA-10-2		Meat Preparation Area
	K-HA-10-3		Meat Preparation Area
11	K-HA-11-1	Drywall/Joint Compound (interior)	Warehouse
	K-HA-11-2		Warehouse
	K-HA-11-3		Warehouse
12	K-HA-12-1	Drywall/Joint Compound (perimeter)	Retail (cart vestibule)
	K-HA-12-2		Retail (cart vestibule)
	K-HA-12-3		Retail (near dairy)
13	K-HA-13-1	Interior Window Caulk	Retail (cart vestibule)
	K-HA-13-2		Retail (cart vestibule)
	K-HA-13-3		Retail (cart vestibule)
14	K-HA-14-1	Exterior Window Caulk	East exterior wall
	K-HA-14-2		East exterior wall
	K-HA-14-3		East exterior wall



ASBESTOS SAMPLE SUMMARY Kroger Store D-715 Renovation 1215 24 th Street Port Huron Township, Michigan AMEC Project No. 242413121			
HA	Sample No.	Description	Sample Location
15	K-HA-15-1	Tape Wrap on fiberglass pipe cover	Warehouse
	K-HA-15-2		Warehouse
	K-HA-15-3		Warehouse
16	K-HA-16-1	Roofing System	East Roof
	K-HA-16-2		West Roof
	K-HA-16-3		North Roof
17	K-HA-17-1	Roofing Caulk	West Roof
	K-HA-17-2		South Roof
	K-HA-17-3		East Roof



APPENDIX C
Confirmed Asbestos-Containing Materials



CONFIRMED ASBESTOS-CONTAINING MATERIALS

Kroger Store D-715 Renovation
1215 24th Street
Port Huron, Michigan
AMEC Project No. 242413121

HA	Description	Material Location	Percent/Type Asbestos	NESHAP	Condition	Estimated Quantity
K-HA-1	12"x12" White with Flecks Floor Tile and Mastic	Retail Area	Tile: ND Yellow Mastic: ND Black Mastic: <1% C	I	Fair	32,000 SF

ND = None Detected

C = Chrysotile

SF = Square feet

Laboratory analytical data sheets should be reviewed for potential asbestos content within individual layers of a sample for each material. The laboratory analytical report is in Appendix D



APPENDIX D
Laboratory Reports



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

AMEC NOVI, MI
Doug Saigh
46850 Magellan Drive Ste 190
Novi, Michigan 48377

Re: QuantEM ID 226519

QuantEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuantEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuantEM Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519	Client: AMEC NOVI, MI
Account Number: B894	Doug Saigh
Date Received: 09/09/2013	46850 Magellan Drive Ste 190
Received By: Alex Raymond	Novi, Michigan 48377
Date Analyzed: 09/12/2013	Project: Kroger D-715 (REVISED)
Analyzed By: Gayle Ooten	Project Location: Port Huron, MI
Methodology: EPA/600/R-93/116	Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	KHA-1-1	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
001a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
002	KHA-1-2	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
002a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose	2 Glue
002b		Layered	Black Mastic	Asbestos Present Chrysotile <1	NA	Tar
003	KHA-1-3	Layered	White Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
003a		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

Received By: Alex Raymond

Date Analyzed: 09/12/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	KHA-2-1	Layered	Peach Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
004a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
004b		Layered	Black Mastic	Asbestos Not Present	NA	Tar
005	KHA-2-2	Layered	Peach Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
005a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
005b		Layered	Black Mastic	Asbestos Not Present	Cellulose 5	Tar
006	KHA-2-3	Layered	Peach Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

Received By: Alex Raymond

Date Analyzed: 09/12/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
007	KHA-3-1	Layered	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
007a		Layered	Black/Yellow Mastic	Asbestos Not Present	Cellulose	3 Glue Tar
008	KHA-3-2	Layered	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
008a		Layered	Black/Yellow Mastic	Asbestos Not Present	Cellulose	3 Glue Tar
009	KHA-3-3	Layered	Green Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
009a		Layered	Black Mastic	Asbestos Not Present	Cellulose	3 Tar

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519	Client: AMEC NOVI, MI
Account Number: B894	Doug Saigh
Date Received: 09/09/2013	46850 Magellan Drive Ste 190
Received By: Alex Raymond	Novi, Michigan 48377
Date Analyzed: 09/12/2013	Project: Kroger D-715 (REVISED)
Analyzed By: Gayle Ooten	Project Location: Port Huron, MI
Methodology: EPA/600/R-93/116	Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	KHA-4-1	Layered	Tan Cove Base	Asbestos Not Present	NA	CaCO3 Binder
010a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
011	KHA-4-2	Layered	Tan Cove Base	Asbestos Not Present	NA	CaCO3 Binder
011a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
012	KHA-4-3	Layered	Tan Cove Base	Asbestos Not Present	NA	CaCO3 Binder
012a		Layered	Yellow Cove Base Mastic	Asbestos Not Present	NA	Glue
013	KHA-5-1	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

Received By: Alex Raymond

Date Analyzed: 09/12/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
014	KHA-5-2	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
014a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
015	KHA-5-3	Layered	Tan Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
015a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
016	KHA-6-1	Layered	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
016a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	226519	Client:	AMEC NOVI, MI
Account Number:	B894		Doug Saigh
Date Received:	09/09/2013		46850 Magellan Drive Ste 190
Received By:	Alex Raymond		Novi, Michigan 48377
Date Analyzed:	09/12/2013	Project:	Kroger D-715 (REVISED)
Analyzed By:	Gayle Ooten	Project Location:	Port Huron, MI
Methodology:	EPA/600/R-93/116	Project Number:	242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3
017	KHA-6-2	Layered	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
017a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018	KHA-6-3	Layered	Black Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
019	KHA-7-1	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
019a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

Received By: Alex Raymond

Date Analyzed: 09/12/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020	KHA-7-2	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
020a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
021	KHA-7-3	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO ₃
021a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022	KHA-8-1	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO ₃ Binder
022a		Layered	Cream Cove Base Mastic	Asbestos Not Present	NA	Glue
023	KHA-8-2	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO ₃ Binder

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

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Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023a		Layered	Cream Cove Base Mastic	Asbestos Not Present	NA	Glue
024	KHA-8-3	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO ₃ Binder
024a		Layered	Cream Cove Base Mastic	Asbestos Not Present	NA	Glue
025	KHA-9-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30 Paint Perlite
026	KHA-9-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30 Paint Perlite
027	KHA-9-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30 Paint Perlite
028	KHA-10-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	25 Gypsum Vinyl

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Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	KHA-10-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 25	Gypsum Vinyl
030	KHA-10-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 25	Gypsum Vinyl
031	KHA-11-1	Layered	Gray Wall Paper	Asbestos Not Present	Cellulose 40	Vinyl
031a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
032	KHA-11-2	Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
032a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
033	KHA-11-3	Layered	White Texture	Asbestos Not Present	NA	CaCO3

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Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
033b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
034	KHA-12-1	Layered	Gray Wall Paper	Asbestos Not Present	Cellulose 40	Vinyl
034a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
034b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
035	KHA-12-2	Layered	Gray Wall Paper	Asbestos Not Present	Cellulose 40	Vinyl
035a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519	Client: AMEC NOVI, MI
Account Number: B894	Doug Saigh
Date Received: 09/09/2013	46850 Magellan Drive Ste 190
Received By: Alex Raymond	Novi, Michigan 48377
Date Analyzed: 09/12/2013	Project: Kroger D-715 (REVISED)
Analyzed By: Gayle Ooten	Project Location: Port Huron, MI
Methodology: EPA/600/R-93/116	Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
036	KHA-12-3	Layered	Gray Wall Covering	Asbestos Not Present	Cellulose 40	Vinyl
036a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
036b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
037	KHA-13-1	Homogeneous	Gray Caulk	Asbestos Not Present	NA	Silicone
038	KHA-13-2	Homogeneous	Gray Caulk	Asbestos Not Present	NA	Silicone
039	KHA-13-3	Homogeneous	Gray Caulk	Asbestos Not Present	NA	Silicone

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Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
040	KHA-14-1	Homogeneous	Black Caulk	Asbestos Not Present	Synthetic	6 Silicone
041	KHA-14-2	Homogeneous	Black Caulk	Asbestos Not Present	Synthetic	6 Silicone
042	KHA-14-3	Homogeneous	Black Caulk	Asbestos Not Present	Synthetic	5 Silicone
043	KHA-15-1	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
044	KHA-15-2	Homogeneous	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
045	KHA-15-3	Layered	Tan Paper	Asbestos Not Present	Cellulose	60 Foil
045a		Layered	Gray Insulation	Asbestos Not Present	Glass Fiber	99 Binder

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Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

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Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
046	KHA-16-1	Layered	Black/White Sealant	Asbestos Not Present	NA	Rubber
046a		Layered	Black Tar	Asbestos Not Present	Cellulose 20	Tar
046b		Layered	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
046c		Layered	Brown Insulation	Asbestos Not Present	Cellulose 80	Perlite
046d		Layered	Yellow Insulation	Asbestos Not Present	NA	Foam
047	KHA-16-2	Layered	Black/White Sealant	Asbestos Not Present	NA	Rubber
047a		Layered	Black Tar	Asbestos Not Present	Cellulose 20	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

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Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
047b		Layered	Yellow Insulation	Asbestos Not Present	NA	Foam
047c		Layered	Brown Insulation	Asbestos Not Present	Cellulose 80	Perlite
048	KHA-16-3	Layered	Black Sealant	Asbestos Not Present	NA	Rubber
048a		Layered	Black Tar	Asbestos Not Present	Cellulose 20	Tar
048b		Layered	Tan Insulation	Asbestos Not Present	Cellulose 99	Binder
048c		Layered	Brown Insulation	Asbestos Not Present	Cellulose 80	Perlite
048d		Layered	Yellow Insulation	Asbestos Not Present	NA	Foam

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 226519

Account Number: B894

Date Received: 09/09/2013

Received By: Alex Raymond

Date Analyzed: 09/12/2013

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: AMEC NOVI, MI

Doug Saigh

46850 Magellan Drive Ste 190

Novi, Michigan 48377

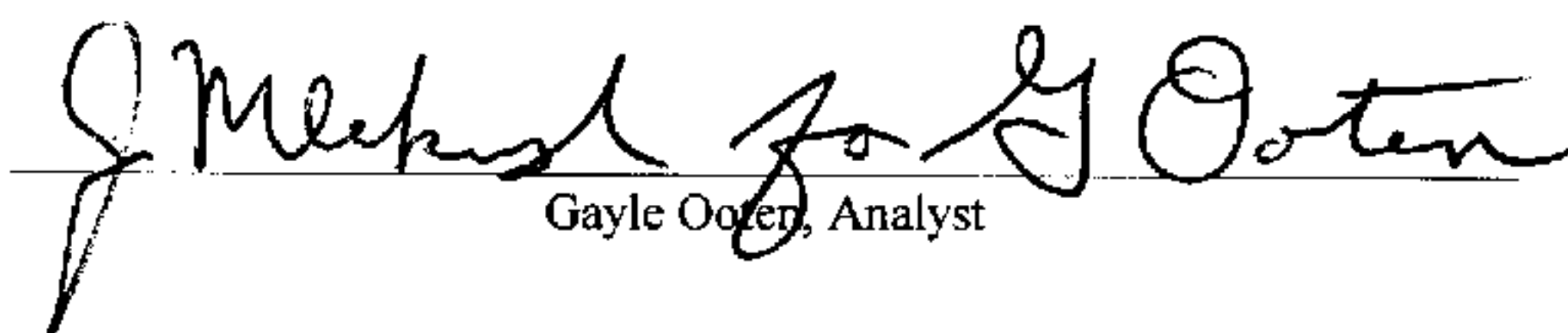
Project: Kroger D-715 (REVISED)

Project Location: Port Huron, MI

Project Number: 242413121

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
049	KHA-17-1	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone
050	KHA-17-2	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone
051	KHA-17-3	Homogeneous	White Caulk	Asbestos Not Present	NA	Silicone

Revised 9/27/13, #002a split, #002b added.


Gayle Ooten, Analyst

9/27/2013
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact Information		Project Information	
Company: AMEC	Phone: (248) 313-3691	Project Name: Kroger D-715	Report Results (one box)
Contact: Douglas Saigh	Cell Phone: (586) 382-0850	Project Location: Port Huron, MI	<input type="checkbox"/> Quantem Website
Account #: C012502319	E-mail: doug.saigh@amec.com	Project ID: 242413121	<input checked="" type="checkbox"/> Other email

Sampled By: Mike Dende		Relinquished By: [Signature]		Date & Time	
Name: Mike Dende		Name: [Signature]		Date & Time: 6/9/13 10:00	
Date: 9/6/13		Via: FEDEX		Received By: [Signature]	

REQUESTED SERVICES (Please check the appropriate boxes)					
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	TURNAROUND TIME
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation		<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input checked="" type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/A-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	KHA-1-1	<input checked="" type="checkbox"/>	WHITE	VFT + YELLOW & BLACK MASTIC	-	Test each HA under test until positive
2	KHA-1-2	<input checked="" type="checkbox"/>	"	"	-	Hold samples between 1% - 10% result
3	KHA-1-3	<input checked="" type="checkbox"/>	"	"		YELLOW & BLACK MASTIC
4	KHA-2-1	<input checked="" type="checkbox"/>	PINK	VFT + YELLOW & BLACK MASTIC		ON KHA-1 TO KHA-3
5	KHA-2-2	<input checked="" type="checkbox"/>	"	"		MAY BE MIXED / UNABLE
6	KHA-2-3	<input checked="" type="checkbox"/>	"	"		TO SEPARATE
7	KHA-3-1	<input checked="" type="checkbox"/>	GREEN	VFT + YELLOW & BLACK MASTIC		
8	KHA-3-2	<input checked="" type="checkbox"/>	"	"		
9	KHA-3-3	<input checked="" type="checkbox"/>	"	"		
10	KHA-4-1	<input checked="" type="checkbox"/>	TAN	CR + YELLOW MASTIC		



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Page 2 of 4

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Lab No. _____
Accept _____
Reject _____

Project Information				Project Name: Kroger D-715	Project Location: Port Huron, MI	
Company: AMEC						
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	KHA-4-2	<input type="checkbox"/>	TAN	CB + YELLOW MASTIC		
12	KHA-4-3	<input type="checkbox"/>	"	"		
13	KHA-5-1	<input type="checkbox"/>	TAN	VFT + YELLOW MASTIC		
14	KHA-5-2	<input type="checkbox"/>	"	"		
15	KHA-5-3	<input type="checkbox"/>	"	"		
16	KHA-6-1	<input type="checkbox"/>	BLACK			
17	KHA-6-2	<input type="checkbox"/>				
18	KHA-6-3	<input type="checkbox"/>				
19	KHA-7-1	<input type="checkbox"/>	GREEN & WHITE	VFT + YELLOW MASTIC		
20	KHA-7-2	<input type="checkbox"/>	"	"		
21	KHA-7-3	<input type="checkbox"/>	"	"		
22	KHA-8-1	<input type="checkbox"/>	BROWN	CB + CREAM MASTIC		
23	KHA-8-2	<input type="checkbox"/>	"			
24	KHA-8-3	<input type="checkbox"/>	"			
25	KHA-9-1	<input type="checkbox"/>	WHITE	ACT W DOTS		
26	KHA-9-2	<input type="checkbox"/>	"	"		
27	KHA-9-3	<input type="checkbox"/>	"	"		
28	KHA-10-1	<input type="checkbox"/>	WHITE	ACT DRYWALL		
29	KHA-10-2	<input type="checkbox"/>	"	"		
30	KHA-10-3	<input type="checkbox"/>	"	"		



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220514

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Lab No. _____
Accept _____
Reject _____

Project Information				Project Name: Kroger D-715		Project Location: Port Huron, MI	
Company: AMEC							
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
31	KHA-11-1	<input checked="" type="checkbox"/>	WHITE	DRYWALL + WALL PAPER		INTERIOR	
32	KHA-11-2	<input checked="" type="checkbox"/>	"	DRYWALL + MUD + TAPE		"	
33	KHA-11-3	<input checked="" type="checkbox"/>	"	" " "		"	
34	KHA-12-1	<input checked="" type="checkbox"/>	WHITE	DRYWALL + WALL PAPER + MUD + TAPE		EXTERIOR	
35	KHA-12-2	<input checked="" type="checkbox"/>	"			"	
36	KHA-12-3	<input checked="" type="checkbox"/>	"			"	
37	KHA-13-1	<input checked="" type="checkbox"/>	WHITE	WINDOW CAULK		INTERIOR	
38	KHA-13-2	<input checked="" type="checkbox"/>	"	"		"	
39	KHA-13-3	<input checked="" type="checkbox"/>	"	"		"	
40	KHA-14-1	<input checked="" type="checkbox"/>	BROWN	WINDOW CAULK		EXTERIOR	
41	KHA-14-2	<input checked="" type="checkbox"/>	"	"		"	
42	KHA-14-3	<input checked="" type="checkbox"/>	"	"		"	
43	KHA-15-1	<input checked="" type="checkbox"/>	WHITE/SILVER	TEI TAPE			
44	KHA-15-2	<input checked="" type="checkbox"/>	"	"			
45	KHA-15-3	<input checked="" type="checkbox"/>	"	"			
46	KHA-16-1	<input checked="" type="checkbox"/>	WHITE/BLACK BROWN	MEM-BRAN + ROOF TSEALANT + TAPE	TAR INSULATION + TAR FELT + INSULATION		
47	KHA-16-2	<input checked="" type="checkbox"/>	"	+ INSULATION			
48	KHA-16-3	<input checked="" type="checkbox"/>	"				
49	KHA-17-1	<input checked="" type="checkbox"/>	WHITE	CAULK		EXTERIOR	
50	KHA-17-2	<input checked="" type="checkbox"/>	"				



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Lab No. _____
Accept _____ Reject _____

Project Information				Project Name: Kroger D-715	Project Location: Port Huron, MI	
Company: AMEC						
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	KHA -17-3	<input checked="" type="checkbox"/>	WHITE	CAULK		EXTERIOR
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
0		<input type="checkbox"/>				
1		<input type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
0		<input type="checkbox"/>				




APPENDIX E

Certifications

State of Michigan
Department of Licensing and Regulatory Affairs
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Management Planner


Michael J. Dende
1125 Funnycide Way
Howell, MI 48842




DOB: 02/05/1979


Accreditation Number **A40192** Expiration Date **05/16/2013**


This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.


Accreditation card is not valid if altered. **99616**

State of Michigan
Department of Licensing and Regulatory Affairs
Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector


Michael Dende
1125 Funnycide Way
Howell, MI 48842




DOB: 02/05/1979

Accreditation Number **A40192** Expiration Date **06/17/2013**

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. **99044**