



***ACM ENGINEERING & ENVIRONMENTAL SERVICES***

---

*SOUTH BEND, INDIANA • FORT WAYNE, INDIANA • ELMHURST, ILLINOIS  
TAMPA, FLORIDA • FORT LAUDERDALE, FLORIDA*

***PRE-DEMOLITION SUSPECT ASBESTOS CONTAINING  
BUILDING MATERIAL SURVEY REPORT***

***FOR:***

*DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
3326 COUNTY ROAD 427  
WATERLOO, INDIANA 46793*

***SURVEY LOCATION:***

*RESIDENTIAL STRUCTURE  
307 WEST 12<sup>TH</sup> STREET  
AUBURN, INDIANA 46706*

***DATE:***

*SEPTEMBER 21, 2017*

***REPORT PREPARED BY:***

*ACM ENGINEERING & ENVIRONMENTAL SERVICES, INC.  
839 MILL LAKE ROAD, SUITE 400  
FORT WAYNE, INDIANA 46845  
260-483-9795*

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**SECTION I:**

***EXECUTIVE SUMMARY***



## ***ACM ENGINEERING & ENVIRONMENTAL SERVICES***

**SOUTH BEND, INDIANA • FORT WAYNE, INDIANA • ELMHURST, ILLINOIS  
TAMPA, FLORIDA • FORT LAUDERDALE, FLORIDA**

### ***EXECUTIVE SUMMARY***

#### **PRE-DEMOLITION SUSPECT ASBESTOS CONTAINING BUILDING MATERIAL SURVEY**

***FOR:***

**DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
3326 COUNTY ROAD 427  
WATERLOO, INDIANA 46793**

***SURVEY LOCATION:***

**RESIDENTIAL STRUCTURE  
307 WEST 12<sup>TH</sup> STREET  
AUBURN, INDIANA 46706**

***DATE:***

**SEPTEMBER 21, 2017**

On September 7, 2017 ACM Engineering and Environmental Services, Inc. (ACM) performed a pre-demolition suspect asbestos containing building material survey at the residential structure located at 307 West 12<sup>th</sup> Street, Auburn, Indiana 46706 for the purpose of planned demolition. The residential structure is a two story wood and wood frame structure on a full basement.

ACM's Indiana Department of Environmental Management (IDEM) licensed asbestos inspector collected a total of forty-four (44) suspect asbestos bulk samples of a total of thirty-four (34) different suspect homogeneous materials. All suspect asbestos bulk samples collected on this project were analyzed for asbestos content in our in-house NVLAP approved laboratory in accordance with the U.S. Environmental Protection Agency (USEPA) "Method for the Determination of Asbestos in Bulk Building Materials," EPA/600/R-93/116.

The following is a summary of regulated asbestos containing building materials (RACM) and Category I or Category II non-friable asbestos containing materials, which will become friable and regulated during demolition activities and must be removed by a State of Indiana licensed asbestos abatement contractor prior to demolition.

**1) Duct seam tape (Sample 307-01):**

The estimated 6 linear feet of asbestos containing duct seam is located on the old exhaust vent in the basement of the residential structure.

**2) Duct wrap (Sample 307-19):**

The estimated 46 square feet asbestos containing duct wrap is located on wood panel on the storage box in the basement and on sheet metal duct work and on the walls of a storage cubby in the hallway on the second floor of the residential structure.

The following is a summary of Category I and Category II non-friable asbestos containing materials which can remain in place during demolition activities if the condition of the material remains non-friable. All waste generated must be disposed of in a State of Indiana sanitary landfill. Any operations which sand, saw, abrade, crumble, pulverize, or reduce the material to a powder (i.e. materials reduction or recycling) will render the material friable and regulated, at which time, removal in compliance with the EPA-NESHAP regulatory standard by a State of Indiana licensed asbestos abatement contractor will be required prior to demolition.

**1) Exterior white caulk (Sample 307-25):**

The estimated <1 square foot of asbestos containing white caulk is located around the electrical box rough-in on the exterior of the residential structure.

See the Bulk Sample Summary and Locations data sheets located in Section II of this report for the locations of all samples collected and building materials which were sampled and tested negative for asbestos content or considered to be not suspect.

INSPECTOR:



MICHAEL A. DIALS  
IDEM #193210125  
Exp. 02/23/2018

**SECTION II:**

***BULK SAMPLE SUMMARY AND  
LOCATIONS DATA SHEETS***

# BULK SAMPLE SUMMARY AND LOCATIONS

CLIENT: DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

LOCATION: RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

DATE: SEPTEMBER 7, 2017      BY: M. DIALS / C. MICINSKI

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 - 01	BASEMENT	SEAM TAPE ON OLD EXHAUST ON BASEMENT WALL	44% CHRYSOTILE	REGULATED FRIABLE
307 - 02	BASEMENT	FLUE PACKING AROUND OLD EXHAUST ON BASEMENT WALL	NONE DETECTED	N/A
307 - 03	BASEMENT	CHIMNEY BRICK MORTAR	NONE DETECTED	N/A
307 - 04	BASEMENT	FLUE PACKING ON EXHAUST ON CHIMNEY	NONE DETECTED	N/A
307 - 05	BASEMENT STAIRS	GREEN STAIR TREAD WITH BLACK ADHESIVE	NONE DETECTED	N/A
307 - 06	BACK DOOR FOYER, KITCHEN, AND LAUNDRY ROOM	OFF WHITE SQUARE AND FLORAL DESIGN LINOLEUM	NONE DETECTED	N/A
307 - 07	BACK DOOR FOYER, KITCHEN, AND LAUNDRY ROOM	1"X1" INTER-LOCKING GRID CEILING TILE WHITE WITH INDENTED SURFACE	NONE DETECTED	N/A
307 - 08	INSIDE KITCHEN CABINETS	TAN LINOLEUM INSIDE KITCHEN CABINETS	NONE DETECTED	N/A

Inspector: Michael A. Dials      IDEM Inspector #: 193210125      Expiration: 2/23/18  
 Inspector: Casey Micinski      IDEM Inspector #: 192907077      Expiration: 8/19/18

# BULK SAMPLE SUMMARY AND LOCATIONS

**CLIENT:**

DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

**LOCATION:**

RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

**DATE:**

SEPTEMBER 7, 2017

**BY: M. DIALS / C. MICINSKI**

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 - 09	DINING ROOM	TAR PAPER UNDER CARPET	NONE DETECTED	N/A
307 - 10	MASTER BATHROOM	WHITE SQUARE FLORAL DESIGN LINOLEUM FLOORING	NONE DETECTED	N/A
307 - 11	MASTER BATHROOM	WHITE CAULK AROUND BATHTUB	NONE DETECTED	N/A
307 - 12	MASTER BATHROOM	CERAMIC WALL TILE, GROUT, AND ADHESIVE AROUND SHOWER	NONE DETECTED	N/A
307 - 13	MASTER BEDROOM	BROWN FIBROUS WALL PANELING	NONE DETECTED	N/A
307 - 14	MAIN ENTRY WAY	BLACK ADHESIVE ON WOOD FLOORING	NONE DETECTED	N/A
307 - 15A	KITCHEN CEILING ABOVE CEILING TILE	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 - 15B	DINING ROOM EAST WALL	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A

Inspector: Michael A. Dials  
 Inspector: Casey Micinski

IDEM Inspector #: 193210125  
 IDEM Inspector #: 192907077

Expiration: 2/23/18  
 Expiration: 8/19/18



# BULK SAMPLE SUMMARY AND LOCATIONS

CLIENT:

DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

LOCATION:

RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

DATE:

SEPTEMBER 7, 2017

BY: M. DIALS / C. MICINSKI

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 – 15C	LIVING ROOM WEST WALL	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 – 15D	MASTER BATHROOM SOUTH WALL	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 – 15E	2 <sup>ND</sup> FLOOR NORTHWEST CORNER BEDROOM CEILING	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 – 15F	2 <sup>ND</sup> FLOOR NORTH HALLWAY WALL	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 – 15G	2 <sup>ND</sup> FLOOR NORTHEAST CORNER BEDROOM WEST WALL	HARD WALL AND CEILING PLASTER	NONE DETECTED	N/A
307 – 16A	UTILITY ROOM WEST WALL	DRYWALL WALL, TAPE, AND COMPOUND	NONE DETECTED	N/A
307 – 16B	LIVING ROOM EAST WALL	DRYWALL WALL, TAPE, AND COMPOUND	NONE DETECTED	N/A
307 – 16C	LIVING ROOM CEILING	DRYWALL WALL, TAPE, AND COMPOUND	NONE DETECTED	N/A

Inspector: Michael A. Dials  
 Inspector: Casey Micinski

IDEM Inspector #: 193210125  
 IDEM Inspector #: 192907077

Expiration: 2/23/18  
 Expiration: 8/19/18

# BULK SAMPLE SUMMARY AND LOCATIONS

CLIENT: DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

LOCATION: RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

DATE: SEPTEMBER 7, 2017

BY: M. DIALS / C. MICINSKI

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 – 17A	MASTER BEDROOM	CEILING TEXTURE MATERIAL	NONE DETECTED	N/A
307 – 17B	MASTER BEDROOM	CEILING TEXTURE MATERIAL	NONE DETECTED	N/A
307 – 17C	MASTER BEDROOM	CEILING TEXTURE MATERIAL	NONE DETECTED	N/A
307 – 18	2 <sup>ND</sup> FLOOR BATHROOM	YELLOW SQUARE DESIGN LINOLEUM	NONE DETECTED	N/A
307 – 19	2 <sup>ND</sup> FLOOR HALLWAY CLOSET	DUCT WRAP	44% CHRYSOTILE	REGULATED FRIABLE
307 – 20	ATTIC	BLOWN-IN ATTIC INSULATION	NONE DETECTED	N/A
307 – 21	EXTERIOR	BROWN FIBROUS INSULATION BOARD UNDER ALUMINUM SIDING	NONE DETECTED	N/A
307 – 22	EXTERIOR	SILVER FOIL AND PAPER HOUSE WRAP	NONE DETECTED	N/A

Inspector: Michael A. Dials  
 Inspector: Casey Micinski

IDEM Inspector #: 193210125  
 IDEM Inspector #: 192907077

Expiration: 2/23/18  
 Expiration: 8/19/18

# BULK SAMPLE SUMMARY AND LOCATIONS

**CLIENT:** DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

**LOCATION:** RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

**DATE:** SEPTEMBER 7, 2017      **BY:** M. DIALS / C. MICINSKI

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 - 23	EXTERIOR	BLACK FELT UNDER FOIL HOUSE WRAP	NONE DETECTED	N/A
307 - 24	EXTERIOR	WHITE CAULKING AROUND DRYER VENT	NONE DETECTED	N/A
307 - 25	EXTERIOR	WHITE CAULK AROUND ELECTRICAL BOX	4% CHRYSOTILE	CATEGORY I NON-FRIABLE
307 - 26	EXTERIOR	LIMESTONE MORTAR AROUND FRONT PORCH	NONE DETECTED	N/A
307 - 27	EXTERIOR	WHITE WINDOW FRAME CAULK	NONE DETECTED	N/A
307 - 28	HOUSE ROOF	ASPHALT BASE ROOF SHINGLE	NONE DETECTED	N/A
307 - 29	HOUSE ROOF	ROOF FELT UNDER ASPHALT BASE ROOF SHINGLE	NONE DETECTED	N/A
307 - 30	GARAGE ROOF	ASPHALT BASE ROOF SHINGLE	NONE DETECTED	N/A

Inspector: Michael A. Dials      IDEM Inspector #: 193210125      Expiration: 2/23/18  
 Inspector: Casey Micinski      IDEM Inspector #: 192907077      Expiration: 8/19/18

# BULK SAMPLE SUMMARY AND LOCATIONS

CLIENT: DEKALB COUNTY CENTRAL UNITED SCHOOL DISTRICT  
 3326 COUNTY ROAD 427  
 WATERLOO, INDIANA 46793

LOCATION: RESIDENTIAL STRUCTURE  
 307 WEST 12<sup>TH</sup> STREET  
 AUBURN, INDIANA 46706

DATE: SEPTEMBER 7, 2017      BY: M. DIALS / C. MICINSKI

SAMPLE #	LOCATION	SAMPLE TYPE	ASBESTOS	FRIABLE/ NON-FRIABLE
307 - 31	GARAGE ROOF	ROOF FELT UNDER ASPHALT BASE ROOF SHINGLES	NONE DETECTED	N/A
307 - 32	GARAGE EXTERIOR	BLACK PAPER UNDER ALUMINUM SIDING	NONE DETECTED	N/A
307 - 33	GARAGE EXTERIOR	CAULKING AROUND SIDE DOOR	NONE DETECTED	N/A
307 - 34	GARAGE EXTERIOR	LIMESTONE MORTAR ON THE FRONT OF THE GARAGE	NONE DETECTED	N/A

Inspector: Michael A. Dials      IDEM Inspector #: 193210125      Expiration: 2/23/18  
 Inspector: Casey Micinski      IDEM Inspector #: 192907077      Expiration: 8/19/18

**SECTION III:**

***ANALYSIS OF SUSPECT ASBESTOS  
CONTAINING BUILDING MATERIALS  
REPORT***



# ANALYSIS OF SUSPECT ASBESTOS CONTAINING BUILDING MATERIALS

## METHOD:

All analyses and quantifications are performed in accordance with the U.S. Environmental Protection Agency's "Method for the Determination of Asbestos in Bulk Building Materials", EPA/600/R-93/116 & EPA/600/M4-82/020: "Interim Method for the Determination of Asbestos in Bulk Insulation Samples." ACM Engineering & Environmental Services is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope of accreditation under NVLAP lab code 101977-0. These methods utilize stereoscopic examination of bulk samples, as well as utilizing the polarized light microscope (PLM). To determine the refractive index, the central stop dispersion staining method is used, as well as matching with refractive index oil and using light matching the sodium D line wavelength. Identification of non-asbestos species is less rigorous, as they are of secondary interest.

Gross samples are examined under a 10X or 20X stereoscope where homogeneity (need for sub-samples), texture and /or any other distinguishing characteristics are determined. Any fibrous material is mounted in high dispersion oil for further microscope examination utilizing PLM. Any possible asbestos fibers are analyzed for morphology, color and pleochroism, index of refraction parallel and perpendicular to elongation, birefringence, extinction characteristic and sign of elongation, and any other distinguishing characteristics observed.

The percentage of asbestos and other fibrous materials are then determined according to sample area coverage and thickness. The limit of quantitation is one percent (1%). The above is recorded on the laboratory analysis sheet and maintained for three years. The error involved for reported percentages of fibrous is 100% error for 1% to 5%, 50% error for 5% to 20%, and 25% error for 20% to 100%. All percentages will be reported in a range indicating error or a single value, in which case the above error should be applied. When the value 1% or greater is reported this indicates asbestos is present in the sample.

## THE REPORT:

The attached report quantifies the fibrous materials found in each sample submitted for analysis. A complete fibrous analysis of samples is given for each sample followed by a breakdown analysis of any sub-samples for heterogeneous material.

- *The first column* is the client sample number identification.
- *The second column* is the laboratory sample number. The laboratory number for the overall sample analysis is a digit number. The laboratory number followed by a letter designation (A,B,C. etc.) indicates a sub-sample analysis.
- *The third column* is the sample identification, which indicates whether the sample is homogeneous or heterogeneous, the color of the sample, and the physical description (cementitious, fibrous, cloth, etc.)
- *The fourth column* indicates the types and percentages of asbestos identified if any.
- *The fifth column* indicates the types and percentages of cellulose (CELL) non-asbestos identified.
- *The sixth column* indicates the types and percentages of non-fibrous, non-asbestos material (NON -FIB NON-ACBM ) identified.
- *The seventh column* indicates the types and percentages of fibrous non-asbestos material (FIB NON ACBM ) in the sample or sub-sample.

## SAMPLE RETENTION:

Samples will be retained for 6 months unless otherwise instructed. After this period, the sample(s) will be disposed of appropriately. Upon written request, the samples will be returned by mail or delivery for a nominal fee to cover postage and handling. There would be no charge for samples picked-up at ACM Engineering & Environmental Services.

## DISCUSSION AND RECOMMENDATIONS:

In order to reduce the risk of introducing asbestos fibers into the air, care should be taken not to disturb the asbestos containing building materials. If renovation, demolition or other activities might disturb known asbestos containing building materials, a reputable asbestos consultant should be contacted to help effectively design and implement an asbestos management program.

## COMPONENTS DESCRIPTION:

### ASBESTOS MATERIALS

A = Amosite  
 AC = Actinolite  
 AN = Anthophyllite  
 C = Chrysotile  
 CR = Crocidolite  
 T = Tremolite  
 ---- = No Asbestos Detected

### NON-ASBESTOS MATERIALS

CF = Ceramic Fibers N = Nylon  
 CO = Cotton O = Other  
 G = Fibrous Glass S = Synthetics  
 H = Hair V = Vermiculite  
 M = Mineral Wool

NOTE: ACM Engineering & Environmental Services does not deviate from the test method described in this report. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items above. This report must not be reproduced, except in full, without the written consent of ACM Engineering & Environmental Services.



**CLIENT:** Dekalb County Central United  
 School District  
 3326 County Road 427  
 Walterloo, IN 46793

**ANALYSIS METHODS:** EPA/600/R-93-116 &  
 EPA/600/M4-82-020  
**NVLAP LAB CODE:** 101977-0  
**MATRIX:** Bulk  
**Sample Date:** 9/7/17  
**Analysis Date:** 9/8/17  
**ACM PROJECT #:** 27312

**LOCATION:** Residential Structure  
 307 West 12<sup>th</sup> Street  
 Auburn, IN 46706

CLIENT SAMPLE #	LAB SAMPLE #	SAMPLE IDENTIFICATION	ASBEST	CELL	NON FIB NON ACBM	FIB NON ACBM
307-01	1711862	WHITE FIBROUS MATL	44% C	56%	----	----
307-02	1711863	GREY/WHITE GRAINY MATL	----	----	100%	----
307-03	1711864	WHITE/BROWN GRAINY MATL	----	----	100%	----
307-04	1711865	WHITE GRAINY MATL	----	----	100%	----
307-05	1711866	LIGHT GREEN PLIABLE MATL	----	----	100%	----
307-05	1711866A	BLACK ADHESIVE MATL	----	----	100%	----
307-06	1711867	WHITE PLIABLE MATL	----	----	100%	----
307-07	1711868	TAN/WHITE FIBROUS MATL	----	49%	----	51% G
307-08	1711869	WHITE PLIABLE MATL	----	----	100%	----
307-09	1711870	DARK BROWN FIBROUS MATL	----	91%	9%	----
307-10	1711871	WHITE PLIABLE MATL	----	----	100%	----
307-11	1711872	WHITE PLIABLE MATL	----	----	100%	----
307-12	1711873	WHITE GRAINY MATL	----	----	100%	----
307-13	1711874	WHITE/RED/BROWN GRAINY MATL	----	93%	7%	----
307-14	1711875	DARK BROWN ADHESIVE MATL	----	----	100%	----
307-15A	1711876	GREY/WHITE GRAINY MATL	----	7%	93%	----
307-15B	1711877	GREY/WHITE GRAINY MATL	----	6%	94%	----
307-15C	1711878	GREY/WHITE GRAINY MATL	----	7%	93%	----
307-15D	1711879	GREY/WHITE GRAINY MATL	----	5%	95%	----
307-15E	1711880	GREY/WHITE GRAINY MATL	----	6%	94%	----
307-15F	1711881	GREY/WHITE GRAINY MATL	----	4%	96%	----
307-15G	1711882	GREY/WHITE GRAINY MATL	----	6%	94%	----
307-16A	1711883	WHITE FLAKY MATL	----	29%	71%	----
307-16B	1711884	WHITE FLAKY MATL	----	23%	77%	----
307-16C	1711885	WHITE FLAKY MATL	----	3%	97%	----
307-17A	1711886	WHITE FLAKY MATL	----	----	100%	----
307-17B	1711887	WHITE FLAKY MATL	----	----	100%	----
307-17C	1711888	WHITE FLAKY MATL	----	----	100%	----
307-18	1711889	TAN PLIABLE MATL	----	73%	27%	----

**ACM RECOMMENDS POINT COUNTING ANALYSIS ON ALL BULK SAMPLES  
 WITH LESS THAN 10% (<10%) ASBESTOS CONTENT.**

Microscopist: \_\_\_\_\_

*Lany Malae*

Title: Laboratory Director

Date: 9/8/17



**CLIENT:** Dekalb County Central United  
 School District  
 3326 County Road 427  
 Waterloo, IN 46793

**ANALYSIS METHODS:** EPA/600/R-93-116 &  
 EPA/600/M4-82-020  
**NVLAP LAB CODE:** 101977-0  
**MATRIX:** Bulk  
**Sample Date:** 9/7/17  
**Analysis Date:** 9/8/17  
**ACM PROJECT #:** 27312

**LOCATION:** Residential Structure  
 307 West 12<sup>th</sup> Street  
 Auburn, IN 46706

CLIENT SAMPLE #	LAB SAMPLE #	SAMPLE IDENTIFICATION	ASBEST	CELL	NON FIB NON ACBM	FIB NON ACBM
307-18	1711889A	YELLOW ADHESIVE MATL	----	----	100%	----
307-19	1711890	GREY/WHITE FIBROUS MATL	44% C	56%	----	----
307-20	1711891	TAN FIBROUS MATL	----	100%	----	----
307-21	1711892	DARK BROWN FIBROUS MATL	----	92%	8%	----
307-22	1711893	SILVER METALLIC MATL	----	40%	60%	----
307-23	1711894	BLACK FIBROUS MATL	----	89%	11%	----
307-24	1711895	WHITE PLIABLE MATL	----	----	100%	----
307-25	1711896	YELLOW/WHITE FLAKY MATL	4% C	----	96%	----
307-26	1711897	GREY GRAINY MATL	----	----	100%	----
307-27	1711898	WHITE PLIABLE MATL	----	----	100%	----
307-28	1711899	BLACK FIBROUS MATL	----	62%	38%	----
307-29	1711900	BLACK FIBROUS MATL	----	94%	6%	----
307-30	1711901	BLACK FIBROUS MATL	----	56%	30%	14% G
307-31	1711902	BLACK FIBROUS MATL	----	73%	27%	----
307-32	1711903	BLACK FIBROUS MATL	----	77%	23%	----
307-33	1711904	WHITE PLIABLE MATL	----	----	100%	----
307-34	1711905	GREY/WHITE GRAINY MATL	----	----	100%	----

**ACM RECOMMENDS POINT COUNTING ANALYSIS ON ALL BULK SAMPLES WITH LESS THAN 10% (<10%) ASBESTOS CONTENT.**

Microscopist: \_\_\_\_\_

*Jamy Malau*

Title: Laboratory Director \_\_\_\_\_

Date: 9/8/17



27312

ACM ENGINEERING & ENVIRONMENTAL SERVICES INC.  
 839 MILL LAKE ROAD, SUITE 400  
 FORT WAYNE, INDIANA 46845  
 PHONE (260) 483-9795

PAGE 1 OF 1

LABORATORY CHAIN OF CUSTODY DOCUMENT

CLIENT NAME		REPORT TO	PHONE	EMAIL	SAMPLED BY		
DeKalb County Central United School District		Mike Diels	800-483-9795	mdiels@acmenv.com	M. Diels / K. Merinski		
ADDRESS			PROJECT NAME & LOCATION				
3326 County Road 487			Residential Structure 307 West 12th Street Auburn, Indiana 46706				
CITY	STATE	ZIP	DATE COLLECTED	SAMPLE TYPE BULK/AIR/WIPE	REQUESTED ANALYSIS		
Waterloo	Indiana	46795	9/7/17	Bulk	Asbestos by PIV		
SAMPLE IDENTIFICATION							
307-01	307-13	307-25					
02	14	26					
03	15A, B, C, D, E, F, G	27					
04	16A, B, C	28					
05	17A, B, C	29					
06	18	30					
07	19	31					
08	20	32					
09	21	33					
10	22	34					
11	23						
12	24						
TRANSFER NO.	RELINQUISHED BY	DATE	TIME	ACCEPTED BY	DATE	TIME	CONDITION
1	Casper	9/7/17		Christina	9/18/15	9:15	Good
2	Samy	9/8/17					
3							
ADDITIONAL COMMENTS (PLEASE RECORD SPECIAL HANDLING/HAZARD INFORMATION)							

**SECTION IV:**

***INSPECTOR AND LABORATORY  
ACCREDITATION AND LICENSING***



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**ACM Engineering & Environmental Services, Inc.**

26598 US-20 West

South Bend, IN 46628

Mr. Larry Malone

Phone: 574-234-8435 · Fax: 574-234-6800

Email: [staff@acmenv.com](mailto:staff@acmenv.com)

<http://www.acmenv.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101977-0**

**Bulk Asbestos Analysis**

**Code**

**Description**

18/A01

EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples

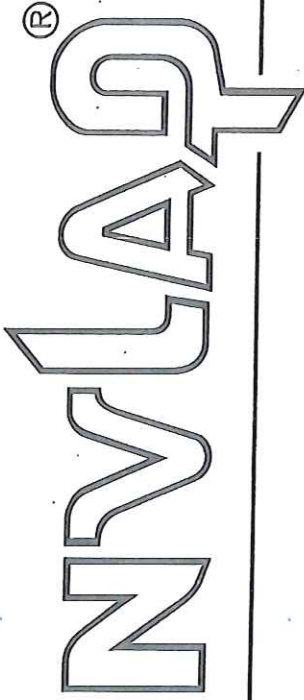
18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in black ink, appearing to read "Dana S. Haman".

*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 101977-0

**ACM Engineering & Environmental Services, Inc.**  
South Bend, 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 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2017-07-01 through 2018-06-30

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Lamm".

For the National Voluntary Laboratory Accreditation Program

Indiana Department of Environmental Management  
100 N. Senate Avenue  
Mail Code 61-52 IGCN 1003  
Indianapolis, IN 46204-2251



February 21, 2017

000004

Michael A. Dials  
ACM Engineering & Environ Svcs Inc  
622 Water Meade PL  
Fort Wayne IN 46825

Re: Asbestos Inspector # 193210125

Based upon the review of your license application, the Office of Air Quality has determined that you have fulfilled the requirements of 326 IAC 18 and are eligible for licensing in the following discipline:

Asbestos Inspector

Your Asbestos Inspector license is attached below. The license is waterproof and tear resistant. Please sign your license and do not laminate or alter your license in anyway. Your license must be available for review at all times while implementing an asbestos project. This license may be revoked, pursuant to 326 IAC 18-1-7, if you:

- (1) Violate any requirements of these rules (326 IAC 18), 326 IAC 14-10, or any requirement of the Asbestos-Containing Materials in Schools Rule or any other federal, state, or local regulation pertaining to asbestos in buildings or to asbestos projects.
- (2) Falsify information on your application for licensing.
- (3) Fail to meet any qualifications specified in 326-IAC 18-1-4.
- (4) Conduct asbestos project, or related asbestos handling activity, in a manner which is hazardous to the public health.

Your license is valid effective 02/23/2017, and will expire on 02/23/2018, as indicated on your card. We suggest that you attend the required training and submit an application for license renewal early to insure your license does not lapse. NOTE: 326 IAC 18-1-4(h) and 326 IAC 18-1-6(e) require that any individual who has an eighteen (18) month lapse between any two training courses of the same discipline to attend an initial training course for the discipline in which they are seeking a license. In order to avoid re-taking the initial training course you must have attended a refresher in the discipline you are seeking a license within eighteen (18) months from the date of issuance of your last training course certificate.

Office of Air Quality, Asbestos Licensing Section (317) 233-3861



Indiana Dept. of Environmental Management

Michael A. Dials

Asbestos Inspector License #: 193210125

Effective: 02/23/2017	Expiration: 02/23/2018
Birth Date: 12/06/1968	Gender: M
Height: 6-03	Eye Color: BRO
Weight: 220	Hair Color: BRO

ENVIRONMENTAL SAFETY ASSURANCE INSTITUTE

1435 Sadler Circle West Drive

Indianapolis, Indiana 46239

(317) 352-1270 / (317) 352-0669

**MICHAEL A. DIALS**

3659

Has Successfully Completed The Course  
Required Under TSCA Title II  
And Passed The Written Examination  
With a Score of 70% or Better  
For

**ASBESTOS BUILDING INSPECTOR REFRESHER**

Accredited by the  
Indiana Department of Environmental Management

**Certificate # ES17/BIR2080**

Course Dates : 02/09/2017

Test Date: 02/09/2017 Expires: 02/09/2018



*Sharyn Reyes*

Sharyn Reyes  
Manager