



Lawhon & Associates, Inc.

ENVIRONMENTAL CONSULTING AND ENGINEERING SERVICES

Columbus
Cleveland
Dayton

July 19, 2022

Brian Gilhousen
Sr. Bridge Engineer
Patrick Engineering, Inc.
4970 Varsity Drive,
Lisle, Illinois 60532
231-954-5304 (office)

Subject: Asbestos Inspection of CUY 00237 06950 (SFN #1810286 / PID #114522) Sr 237 Bridge over Snow Road in Brook Park, OH 44142 (L&A 22-0082)

Brian Gilhousen:

On July 7, 2022, Mr. Matt Geiger, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #35832) of Lawhon & Associates, Inc (L&A) conducted an asbestos survey of CUY 00237 06950 (SFN #1810286 / PID #114522) Sr 237 Bridge over Snow Road in Brook Park, OH 44142. The purpose of the survey was to determine the presence of asbestos-containing materials (ACM) located on the structure.

The survey consisted of an inspection of all accessible areas of the bridge to determine the presence, location and quantities of asbestos-containing materials. Bulk samples were collected from suspect materials that could potentially be impacted during demolition/renovation work activities. Energized electrical components, utility conduits, and materials encased in concrete were not sampled as part of this effort. A diagram of the bridge and asbestos bulk sampling locations can be found in Appendix B. All available bridge plans were reviewed for this bridge and no asbestos containing materials were listed.

Suspect Materials

The materials suspected of being asbestos-containing identified during the survey are presented in Table 1 along with an indication of their friability.

Table 1: Suspected Materials

Material	Locations	Friability
Abutment Caulking (Gray)	Below Deck	Non-Friable
Parapet Exp. Joint	Above Deck	Non-Friable
Performed Exp. Joint	Above Deck	Non-Friable

Sample Descriptions, Locations and Results

Sample descriptions, locations, and asbestos content as determined by Polarized Light Microscopy (PLM) are presented in Table 2.

Table 2: Sample Descriptions, Locations and Results

Sample #	Sample Description and Location	Asbestos %
1	Abutment Caulking (Gray) – South End, East Side	No Asbestos Detected
2	Abutment Caulking (Gray) – North End, East Side	No Asbestos Detected
3	Abutment Caulking (Gray) – North End, West Side	No Asbestos Detected
4	Parapet Expansion Joint – South End, East Side	No Asbestos Detected
5	Parapet Expansion Joint – Middle, East Side	No Asbestos Detected
6	Parapet Expansion Joint – North End, East Side	No Asbestos Detected
7	Preformed Expansion Joint – South End, East Side	No Asbestos Detected
8	Preformed Expansion Joint – South End, East Side	No Asbestos Detected
9	Preformed Expansion Joint – North End, East Side	No Asbestos Detected

Materials Identified as Asbestos-Containing

Under the current EPA/NESHAP regulations, materials that contain greater than 1% asbestos are considered to be an asbestos-containing material (ACM). None of the materials sampled were found to be Asbestos Containing Material as defined by U.S EPA/NESHAP regulations.

Attachments

Appendix A contains the Ohio Environmental Protection Agency Certifications for Mr. Matt Geiger.
Appendix B contains the Bulk Sample Diagram.
Appendix C contains the laboratory results and chain-of-custody documentation for the asbestos bulk samples collected.
Appendix D contains the Ohio Environmental Protection Agency Notification of Demolition and Renovation.

Summary

On July 7, 2022, Mr. Matt Geiger, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #35832) of Lawhon & Associates, Inc (L&A) conducted an asbestos survey of CUY 00237 06950 (SFN #1810286 / PID #114522) Sr 237 Bridge over Snow Road in Brook Park, OH 44142. No Asbestos Containing Materials (ACM) were identified in the course of the survey. If you have any questions, please contact Matt Geiger at (614) 481-8600.

Sincerely,



Matt Geiger, AHES 35832
Project Manager



Chuck Wilson, AHES 31284
Vice President

APPENDIX A
OHIO ENVIRONMENTAL PROTECTION AGENCY CERTIFICATIONS

The InService Training Network

Asbestos Building Inspector and Management Planner Refresher Courses



Matt Geiger

has successfully completed the Asbestos Building Inspector and Management Planner Refresher Courses and passed by at least 70% the course examinations for accreditation under Section 206 of the Toxic Substance Control Act, Title II, and Indiana 326 IAC 18-2
Provided by: The InService Training Network, Inc., 705D Lakeview Plaza Blvd, Worthington, OH 43085 (614) 436-0980

Course Dates: March 23, 2022

Examination Date: March 23, 2022

Course Instructor:


Frank Rowe

Course Location: Worthington, Ohio

Expiration Date: March 23, 2023

Certificate Numbers: ITNIR7230 & ITNMPR7230

ITN

ITN



Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

8/31/2021

Matthew Geiger
Lawhon & Associates, Inc.
1441 King Avenue
Columbus, OH 43212

RE: Evaluation Specialist
Certification Number: ES35832
Expiration Date: 10/14/2022

Dear Matthew Geiger:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at asbestoslicensing@epa.ohio.gov.

Sincerely,

Joshua S. Koch
Manager, Business Operations Support Section
Ohio EPA - Division of Air Pollution Control

State of Ohio
Environmental Protection Agency
Asbestos Program

Asbestos Hazard Evaluation Specialist

Matthew A Geiger

Lawhon & Associates, Inc.
Ohio Environmental Protection Agency
1441 King Avenue
Columbus OH 43212

DOB: 10/1/93
Card not Valid if Altered

Certification Number **ES35832**

Expiration Date **10/14/22**

APPENDIX B
BULK SAMPLE DIAGRAM

Figure 1: Aerial View of Bridge

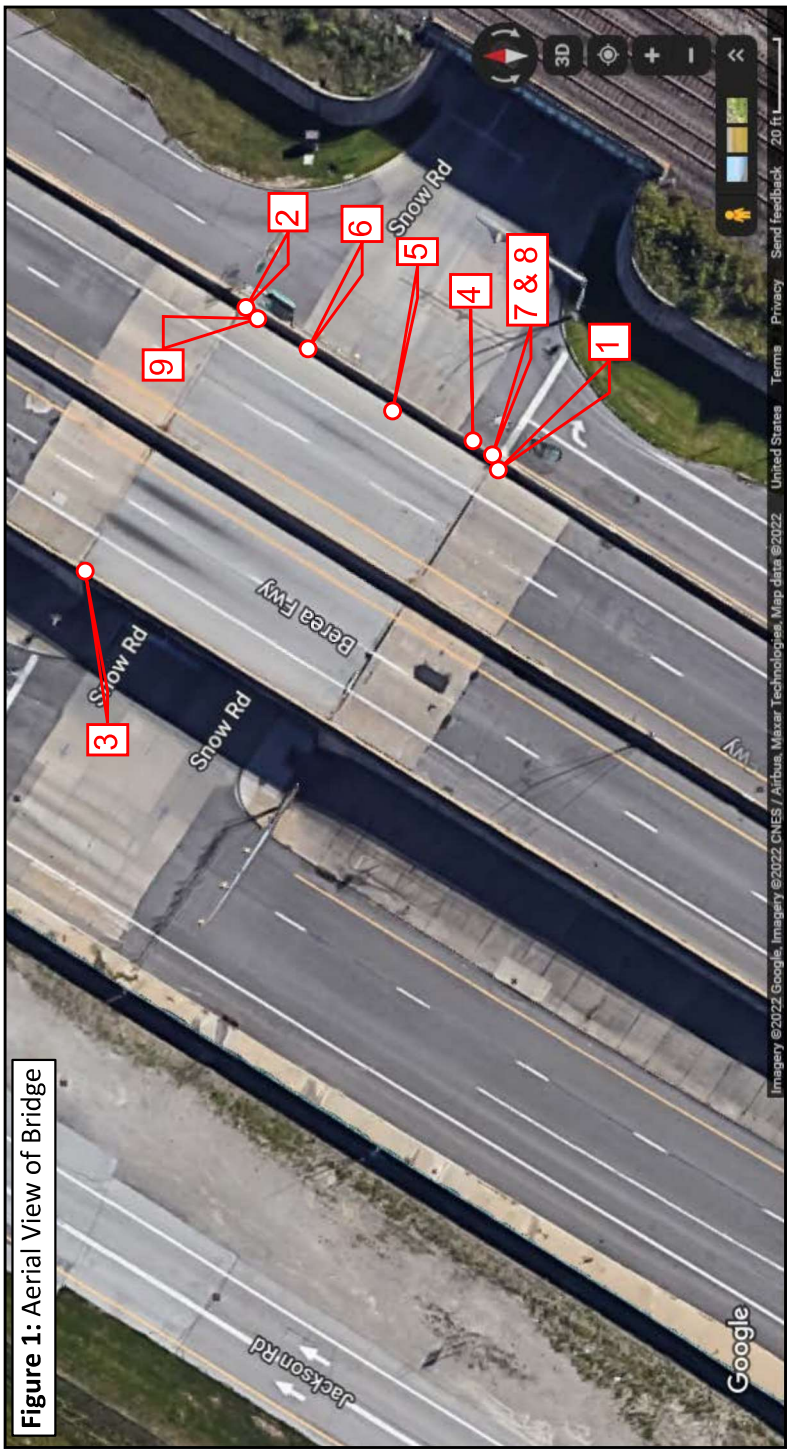


Figure 2: View of Abutment Caulking (Gray)



Figure 3: View of Parapet Expansion Joint

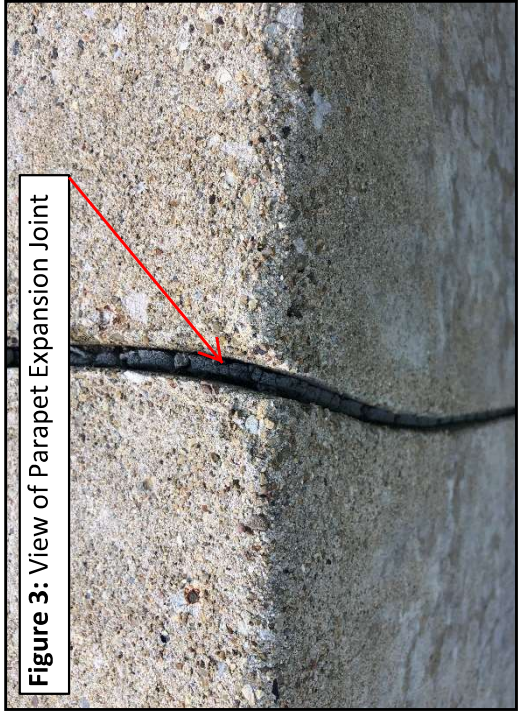
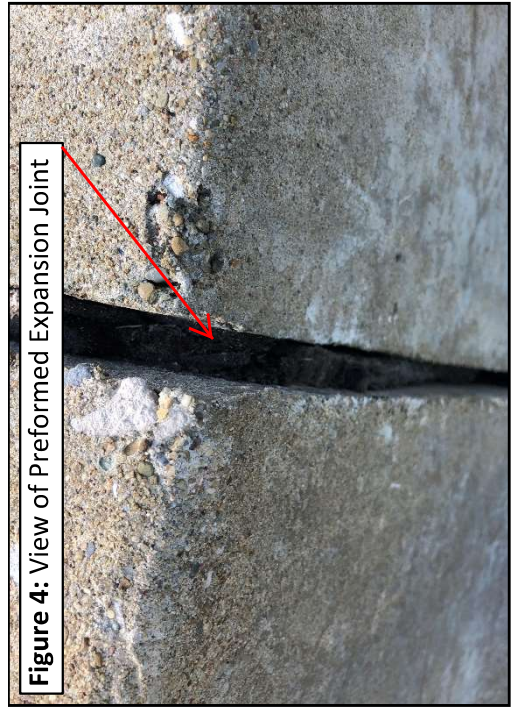


Figure 4: View of Performed Expansion Joint



Lawhon & Associates, Inc.
ENVIRONMENTAL CONSULTING AND ENGINEERING SERVICES

Bulk Sample Diagram

Inventory Bridge Number: CUY 00237 06950

Structure File Number: 1810286

Date Sampled: July 7, 2022

Surveyors: Matt Geiger AHES# 35832

Signature:

1411 King Avenue | Columbus, Ohio 43212 | P: 614-481-8600 | F: 614-481-8810 | www.lawhon-assoc.com

Figure 5: Representative View of Below Deck



Figure 6: View of PVC Drainage Pipe



Figure 7: View Below Deck



Figure 8: View Above Deck



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Signature:

Matt Geiger

1441 King Avenue

Columbus, Ohio 43212

P: 614-481-8800

F: 614-481-8610

www.lawhon-assoc.com

APPENDIX C
LABORATORY RESULTS AND CHAIN OF CUSTODY



The Identification Specialists

Analysis Report
prepared for
Lawhon & Associates, Inc.

Report Date: 7/13/2022

Project Name: CUY 00237 06950

Project #: 21-0082 A:ACM

SanAir ID#: 22033208



NVLAP LAB CODE 600227-0

11709 Chesterdale Road | Cincinnati, Ohio 45246
888.895.1177 | 513.438.6006 | IAQ@SanAir.com | SanAir.com



Name: Lawhon & Associates, Inc.

Address: 1441 King Ave

Columbus, OH 43212

Phone: 614-481-8600 ext. 142

SanAir ID Number

22033208

FINAL REPORT

7/13/2022 3:12:47 PM

Project Number: 21-0082 A:ACM

P.O. Number:

Project Name: CUY 00237 06950

Collected Date: 7/7/2022

Received Date: 7/8/2022 10:05:00 AM

Dear Matt Geiger,

We at SanAir would like to thank you for the work you recently submitted. The 9 sample(s) were received on Friday, July 08, 2022 via UPS. The final report(s) is enclosed for the following sample(s): 1, 2, 3, 4, 5, 6, 7, 8, 9.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Matthew Daigneault
Asbestos Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 9 samples in Good condition.



Name: Lawhon & Associates, Inc.
Address: 1441 King Ave
 Columbus, OH 43212
Phone: 614-481-8600 ext. 142

Project Number: 21-0082 A:ACM
P.O. Number:
Project Name: CUY 00237 06950
Collected Date: 7/7/2022
Received Date: 7/8/2022 10:05:00 AM

SanAir ID Number
22033208
 FINAL REPORT
 7/13/2022 3:12:47 PM

Analyst: Scales, Sean

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-fibrous	
1 / 22033208-001 Abutment Caulking, South End, East Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
2 / 22033208-002 Abutment Caulking, North End, East Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
3 / 22033208-003 Abutment Caulking, North End, West Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
4 / 22033208-004 Parapet Exp. Joint, South End, East Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
5 / 22033208-005 Parapet Exp. Joint, Middle, East Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
6 / 22033208-006 Parapet Exp. Joint, North End, East Side	Grey Non-Fibrous Homogeneous		100% Other	None Detected
7 / 22033208-007 Performed Exp. Joint, South End, East Side	Black Fibrous Heterogeneous	45% Cellulose	55% Other	None Detected
8 / 22033208-008 Performed Exp. Joint, South End, East Side	Black Fibrous Heterogeneous	45% Cellulose	55% Other	None Detected
9 / 22033208-009 Performed Exp. Joint, North End, East Side	Black Fibrous Heterogeneous	45% Cellulose	55% Other	None Detected

Analyst: *Sean Scales*

Analysis Date: 7/13/2022

Approved Signatory: *Johnathan Wilson*

Date: 7/13/2022

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications NVLAP lab code 600227-0
Rhode Island Certification Number: PLM00144

1441 King Avenue
 Columbus, OH 43212
 Phone: (614) 481-8600
 Fax: (614) 481-8610

Sent To: San Air 22033208
 No. 3295

VIA: _____ Page 1 of 1

Date: July 7, 2022 Turn around: 5-day

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: <u>CUY 00237 06950</u>	Project No.: <u>21-0082 A:Am</u>	Project Contact: <u>Matt Griger</u>	Sampler (print): _____	Signature: <u>[Signature]</u>
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Sample I.D. No.	Homog. Area No.	Sample /Homogeneous Area Description	Sample Location	Remarks
1	1	Abutment Caulking (Gray)	South Side ^{End} , East Side	
2	1		North End, East Side	
3	1		North End, West Side	
4	2	Parapet Exp. Joint	South End, East Side	
5	2		Middle	
6	2		North End	
7	3	Reformed Exp. Joint	South End, East Side	
8	3		South End	
9	3		North End	

SAMPLE ANALYSIS BY EPA METHOD 600/R-93/116 UNLESS OTHERWISE NOTED. Stop 1st Positive Analyze All Samples

Relinquished by: (signature) <u>[Signature]</u>	Date / Time <u>7/7/22 1700</u>	Received by: (signature) <u>RMB</u>	Date / Time <u>7/8/22 10:05 am</u>	Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
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APPENDIX D
OHIO ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF DEMOLITION AND RENOVATION



Notification of Demolition and Renovation/Abatement

Section 1: General Information

Division of Air Pollution Control

Work on projects cannot begin until 10 working days after a COMPLETE original notification form, **including payment**, is submitted to Ohio EPA. Instructions and a worksheet for fee calculation are available at epa.ohio.gov/asbestos. This form can be completed, and payment made, at ebiz.epa.ohio.gov. Questions? asbestos@epa.ohio.gov or (614) 466-0061.

Ohio EPA Use Only	Notification #:	Postmarked: / /	Received: / /	<input type="checkbox"/> Hand-Delivered
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1) Notification Information (Check all that apply)

<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Revision # (count):	<input type="checkbox"/> Installation	<input type="checkbox"/> Emergency	<input type="checkbox"/> Annual	<input type="checkbox"/> Cancellation	County: Cuyahoga	Revised? <input type="checkbox"/>
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2) Owner, Asbestos Abatement Contractor, Billing and Fire Department Information

Owner	
Name: ODOT District 12	Is this a company? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Address: 5500 Transportation Boulevard	
City: Garfield Heights	State: Ohio
Email:	Zip: 44125
Asbestos Abatement Contractor (if applicable)	
Name:	Phone: (216) 5814-2100
Asbestos Abatement Contractor (if applicable)	
Name:	License #: AC
Address:	
Expiration Date: / /	
Contact Person:	
City:	State:
Email:	Phone: () -
Billing Contact	
Contact Person:	
City:	State:
Email:	Phone: () -
Zip: -	
Fax: () -	

Is this contact associated with the Owner, Asbestos Abatement Contractor, or Demolition Contractor (if not installation)?

Address:	
Contact Person:	
City:	State:
Email:	Phone: () -
Zip: -	
Fax: () -	
Fire Department (if applicable)	
Contact Person:	
Name:	State:
Address:	
Contact Person:	
City:	State:
Email:	Phone: () -
Zip: -	
Fax: () -	

3) Ohio Asbestos Hazard Evaluation Specialist and Evaluation Procedure

Evaluation Specialist: Matt Geiger	Certification #: ES 35832	Expiration Date: 10/14/2022	Revised? <input type="checkbox"/>
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Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of regulated asbestos-containing material (RACM) and Category I and Category II non-friable asbestos-containing material: PLM Point Count TEM Other Method (Explain Below):

4) Procedures to be followed should unexpected RACM be discovered (check all that apply)

<input checked="" type="checkbox"/> Stop work and keep wet	<input checked="" type="checkbox"/> Evacuate area	<input checked="" type="checkbox"/> Demarcate area	<input checked="" type="checkbox"/> Contact licensed abatement contractor	Revised? <input type="checkbox"/>
<input checked="" type="checkbox"/> Contact district office/local air authority				
<input type="checkbox"/> Other (Explain):				

5) Planned Demolition (check all that apply)

Describe demolition work to be performed and method(s) to be employed, including demolition techniques to be used:		Revised? <input type="checkbox"/>
<input type="checkbox"/> Implosion	<input type="checkbox"/> Fire Training	<input type="checkbox"/> Wet Methods
<input type="checkbox"/> Manual Demolition	<input type="checkbox"/> Mechanical Demolition	<input type="checkbox"/> Other (Explain):
Description of affected facility components (include attachment if necessary):		

Notification of Demolition and Renovation/Abatement

Section 1: General Information

Continued

Mail completed form and payment to:
 Ohio EPA, DAPC – Asbestos
 50 W. Town St., 7th Floor or P.O. Box 1049
 Columbus, OH 43216-1049

6) Asbestos Description and Engineering Controls (if asbestos is being abated) Revised?

For the material listed in each project, describe the type(s) of ACM to be abated, engineering controls and work practices to be used to minimize emissions and ensure proper waste handling:

Type of ACM to be abated:	<input type="checkbox"/> Surfacing	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other
Engineering Controls:	<input type="checkbox"/> Wet Methods	<input type="checkbox"/> Glove Bag	<input type="checkbox"/> AFD <input type="checkbox"/> NPE <input type="checkbox"/> Other:
Work Practices:	<input type="checkbox"/> Intact Removal	<input type="checkbox"/> Manual	<input type="checkbox"/> Mechanical <input type="checkbox"/> Other:

7) Asbestos Waste Transporter (if applicable) Revised?

Transporter #1 Name:		Contact Person:	
Address:			
City:	State:	Zip:	-
Email:	Phone: () -	Fax: () -	-
Transporter #2 Name (if applicable):			
Address:		Contact Person:	
City:	State:	Zip:	-
Email:	Phone: () -	Fax: () -	-

8) Asbestos Waste Disposal Site (if applicable) Revised?

Name:		Contact Person:	
Address:			
City:	State:	Zip:	-
Email:	Phone: () -	Fax: () -	-

9) Emergency Demolition (complete if you checked "Emergency" above and "Demolition" for any project) Revised?

A copy of the issued order, including the following information, must be attached to this notification.

Government Official Issuing Order:	Title:
Agency:	Authority of Order (Citation of Code):
Date of Order: / /	Demolition Date: / /

10) Emergency Renovation/Abatement (complete if you checked "Emergency" above and "Renovation/Abatement" for any project) Revised?

Date of Emergency: / /	Time of Emergency: : <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
Description of Sudden, Unexpected Event:	
Explanation of how the event caused unsafe conditions or equipment damage:	

11) Attestation Revised?

In accordance with Ohio Administrative Code rule 3745-20-03(A)(4)(p), I certify that at least one person trained as required by paragraph (B) of rule 3745-20-04 of the Administrative Code will supervise the stripping and removal described by this notification. I acknowledge that the submission of false or misleading statements is prohibited by law and I certify that facts contained in this notification are true, accurate, and complete.

Signature:	Date: / /
Name:	Title:
Organization:	



Notification of Demolition and Renovation/Abatement

Section 2: Project Address Specific Information

Division of Air Pollution Control

Please complete Section 2 for the address included with this notification. If the project is an "Installation" per OAC 3745-20, complete a separate Section 2 page for each address associated with this notification.

Ohio EPA Use Only Project ID #:

A. Facility Description Revised?

Building Name (if applicable): CUY 00237 06950 Site Location (specific): Approx 1Mi E Koltthoff Dr

Address: 41°24'16.56"N 81°50'12.37"W County: Cuyahoga

City: Brook Park State: OH

Building Size (square feet): 7,241 Zip: 44142-

Present Use: Bridge No. of Floors: Age: 35

Prior Use:

B. Type of Operation (check all that apply) Revised?

Demolition Renovation/Abatement – Type: Removal Repair Encapsulation Enclosure

C. Asbestos Present (check one) Revised?

Yes No No, previously abated Year Abated:

D. Approximate Amount of Asbestos-Containing Materials (complete table below and Section 1 #6 if asbestos is present) Revised?

	Material to be Removed		Material NOT to be Removed
	Non-friable Asbestos-Containing Material	Non-friable Asbestos-Containing Material	
Pipes (linear feet)	RACM	Category I	Category I
Surface area on other facility components (ft ²)			Category II
Volume if length or area cannot be measured (ft ³)			

E. Asbestos Abatement Schedule and Abatement Specialist (original notification is required 10 working days prior to the start of work) Revised?

Setup Date: / /	Abatement Date: / /	Complete Date: / /
(Shift 1) Time start/end on site	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Monday Tuesday Wednesday Thursday Friday Saturday Sunday
Abatement Specialist Name:	Certification #: AS	Expiration Date: / /
(Shift 1) Time start/end on site	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Monday Tuesday Wednesday Thursday Friday Saturday Sunday
Abatement Specialist Name:	Certification #: AS	Expiration Date: / /

F. Demolition Contractor (if applicable) Revised?

Name: _____

Address: _____ Contact Person: _____

City: _____ State: _____ Zip: _____

Email: _____ Phone: () - - Fax: () -

G. Demolition Schedule (original notification is required 10 working days prior to the start of work) Revised?

Start Date: / / Complete Date: / /

H. Project Hold Revised?

Hold Begin Date: / / Work Resume Date: / /