

Columbus Cleveland Dayton

August 25, 2020

Fred Seling, P.E. Project Manager Engineering Associates, Inc. 1935 Eagle Pass Wooster, Ohio 44691 (330) 345-6556

Subject: Asbestos Inspection of the CUY 00043 06070 Bridge (SFN #1803395/PID 104097) on State Route 43 over Tinkers Creek, Solon, Ohio 44139 (L&A 19-0063)

Dear Mr. Seling:

On August 6, 2020 Mr. Josh Rankin, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #36263) and Mr. Austin Harmon (AHES OH #540740) of Lawhon & Associates, Inc (L&A) conducted an asbestos survey of the CUY 00043 06070 Bridge (SFN #1803395/PID 104097) on State Route 43 over Tinkers Creek, Solon, Ohio 44139. 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. A diagram of the bridge and asbestos bulk sampling locations can be found in **Appendix B**. There were no available bridge plans for review for this bridge.

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.

Material	Locations	Friability							
Tar Wrap on Metal Pipe	Below Deck	Friable							
Paint on Concrete	Above/Below Deck	Non-Friable							

Table 1: Suspected Materials

Sample Descriptions, Locations and Results

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

Sample #	Sample Description and Location	Asbestos %								
1	Tar Wrap on Pipe – West End, North Side	60% Chrysotile								
2	Tar Wrap on Pipe – West End, North Side	60% Chrysotile								
3	Tar Wrap on Pipe – West End, North Side	60% Chrysotile								
4	Paint on Concrete – Parapet Wall, West End, North Side	No Asbestos Detected								
5	Paint on Concrete – Parapet Wall, East End, North Side	No Asbestos Detected								
6	Paint on Concrete – Parapet Wall, East End, South Side	No Asbestos Detected								

 Table 2: Sample Descriptions, Locations and Results

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). The Black Tar Wrap on the 6" pipe located below deck on the northern side of the bridge has been confirmed through laboratory analysis to contain asbestos. There is approximately 70 linear feet or 122 square feet of this material present beneath the bridge. This is a Category II asbestos containing material, as defined by EPA, that would become friable if disturbed from renovation/ demolition activities.

Attachments

Appendix A contains the Ohio Environmental Protection Agency Certifications for Mr. Josh Rankin and Mr. Austin Harmon.

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 August 6, 2020 Mr. Josh Rankin, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #36263) and Mr. Austin Harmon (AHES OH #540740) of Lawhon & Associates, Inc. (L&A) conducted an asbestos survey of the CUY 00043 06070 Bridge (SFN #1803395/PID 104097) on State Route 43 over Tinkers Creek, Solon, Ohio 44139. As a result of the inspection, the Tar Wrap on Pipe located below deck on the northern side of the bridge contains asbestos. This material must be removed by a State of Ohio Licensed Asbestos Abatement Contractor prior to impact by renovations or demolition. If you have any questions, please contact Matt Geiger or Trever Berger at (614) 481-8600.

Sincerely,

Matt & Freiger

Matt Geiger, AHES 35832 Project Manager

Trevor Berger, AHES 35890 Northeast Ohio Regional Manager

APPENDIX A OHIO ENVIRONMENTAL PROTECTION AGENCY CERTIFICATIONS



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

2/3/2020

Joshua Rankin Lawhon & Associates, Inc. 1441 King Avenue Columbus, OH 43212

RE: Evaluation Specialist Certification Number: ES36263 Expiration Date: 3/26/2021

Dear Joshua Rankin:

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,

YL

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



The InService Training Network

Asbestos Building Inspector and Management Planner **Refresher Courses**



Josh Rank

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: January 22, 2020

Course Director:

Kurt Varga

Expiration Date: January 22, 2021

(D

Course Location: Worthington, Ohio

Examination Date: January 22, 2020

Certificate Numbers: ITNIR-6810 & ITNMPR-6810

1



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

8/14/2019

Austin Harmon Lawhon & Associates, Inc. 1441 King Avenue Columbus, OH 43212

RE: Evaluation Specialist Certification Number: ES540740 Expiration Date: 8/14/2020

Dear Austin Harmon:

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 <u>asbestoslicensing@epa.ohio.gov</u>.

Sincerely,

SVL

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



The InService Training Network

釰

変が

Asbestos Building Inspector and Management Planner **Refresher Courses**



 $\langle 0 \rangle$

Austin Harmon

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: July 22, 2020

Course Director:

影

Expiration Date: July 22, 2021

Kurt Varga

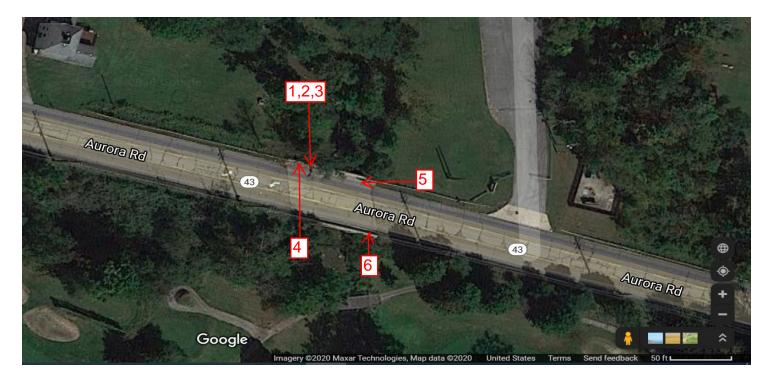
Course Location: Worthington, Ohio

Examination Date: July 22, 2020

((()))

Certificate Numbers: ITNIR-6900 & ITNMPR-6900

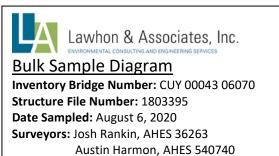
APPENDIX B BULK SAMPLE DIAGRAM











Signature: John Polin At the

Page 1 of 2

Columbus

Cleveland Daytor

| P:614.481.8600 | F:614.481.8610 | www.lawhon-assoc.com 1441 King Avenue | Columbus, Ohio 43212

Non-ACM Paint on Concrete Parapet Wall (De-laminating from wall)









Lawhon & Associates, Inc. EVVIRONMENTAL CONSULTING AND ENGINEERING SERVICES Bulk Sample Diagram Inventory Bridge Number: CUY 00043 06070 Structure File Number: 1803395 Date Sampled: August 6, 2020 Surveyors: Josh Rankin, AHES 36263

Austin Harmon, AHES 540740

Signature: John Polis At the

Page 2 of 2

Columbus

Cleveland Daytor

1441 King Avenue | Columbus, Ohio 43212 | P:614.481.8600 | 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: 8/14/2020 Project Name: EA-CUY 00043 06070 Project #: 19-0063 SanAir ID#: 20044270



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061 888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number 20044270 FINAL REPORT 8/14/2020 2:04:41 PM

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

Project Number: 19-0063 P.O. Number: Project Name: EA-CUY 00043 06070 Collected Date: 8/6/2020 Received Date: 8/7/2020 10:20:00 AM

Dear Josh Rankin,

We at SanAir would like to thank you for the work you recently submitted. The 6 sample(s) were received on Friday, August 07, 2020 via FedEx. The final report(s) is enclosed for the following sample(s): 1, 2, 3, 4, 5, 6.

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,

Sandra Sobient

Sandra Sobrino Asbestos & Materials Laboratory Manager SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions: - 6 samples in Good condition.



Name: Lawhon & Associates, Inc. Address: 1441 King Ave Columbus, OH 43212 Phone: 614-481-8600 ext. 142 Project Number: 19-0063 P.O. Number: Project Name: EA-CUY 00043 06070 Collected Date: 8/6/2020 Received Date: 8/7/2020 10:20:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
1 / 20044270-001 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Wrap	Black Fibrous Homogeneous		40% Other	60% Chrysotile
1 / 20044270-001 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
2 / 20044270-002 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Wrap	Black Fibrous Homogeneous		40% Other	60% Chrysotile
2 / 20044270-002 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
3 / 20044270-003 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Wrap	Black Fibrous Homogeneous		40% Other	60% Chrysotile
3 / 20044270-003 Tar Wrap On Metal Pipe Below Deck-West End, North Side, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
4 / 20044270-004 Paint On Concrete Above Deck On Parapet Wall	Grey Non-Fibrous Homogeneous		100% Other	None Detected
5 / 20044270-005 Paint On Concrete Above Deck On Parapet Wall	Grey Non-Fibrous Homogeneous		100% Other	None Detected
6 / 20044270-006 Paint On Concrete Above Deck On Parapet Wall	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Analysis Date:

the lik 8/14/2020

Approved Signatory:

Johnston Welson

Date: 8/14/2020

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 200870 Citv of Philadelphia: ALL-460 PA Department of Environmental Protection Number: 68-05397 California License Number: 2915 Colorado License Number: AL-23143 Connecticut License Number: PH-0105 Massachusetts License Number: AA000222 Maine License Number: LB-0075 New York ELAP lab ID: 11983 Rhode Island License Number: AAL-126 Texas Department of State Health Services License Number: 300440 Commonwealth of Virginia 3333000323 Washington State License Number: C989 West Virginia License Number: LT000566 Vermont License: AL166318

Distributor: White - File; Yellow - Lab	Relinquisped by: (signature) B(6/2	SAMPLE ANALYSIS BY EPA METHOD 600/R-93/116 UNLESS OTHERWISE NOTED.				e	5	4		2	Sample I.D. No. Area No.		Froject Name:		Fax: (614) 481-8610	1441 King Avenue Columbus, OH 43212 Phone: (614) 481-8600	Lawhon & A
- Lab	Story Upm Received	'HOD 600/R-93/116 UN						Paint		Jarwo	Sample /Homog	00	17 NG070	ASBE	22 24	Doint	Lawhon & Associates, Inc.
	Received by: (signature)	LESS OTHERWISE NO				f	-	On Concre	ŀ	n metal Y	Jene	1	Project No.:	ASBESTOS BULK SAMPLE CHAIN-OF-C	Simpless 31 or Less Acr	Doint Count Friables EVER's	•
10:20m	AUG 0 7 2020 Relinquished by: (signature))TED.						te A		pe gelow			Project Contact:	SAMPLE CH	or less Ac	str Ever	
	shed by: (signature)							have noch	4	y Deck - West	Sample Location	UN MAD	Palla	AIN-OF-CUS	M Date:_	VIA:	Sent To:
	Date / Time Receiv					ŀ	-	on Parapt Wall.	-	End North			Sampler (print):	USTODY RECORD	8/6/7	red ex	
	Received by: (signature)	Stop 1st Positive						* Po Not x		Side			S	RD			i 20
	Date / Time	ve Analyze All Samples				+	1	Analyze Convertex			Remarks	the second	Signature D		Turn around: 5- Days	of	044240 № 09798 age 5 of 5

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 #:		Postmark	ed: /	/		Received:	/ /	П На	nd-Delivered	
1) Notification Information (Check	all that apply)									
Original Revision # (count)	: Installation	Emerge	ncy [Annual		Cancellation	County:	CUYAHOGA		
2) Owner, Asbestos Abatement Contractor, Billing and Fire Department Information Revised?										
Owner										
Name: ODOT District 12								Is this a company? [>	Yes 🗌 No	
Address: 5500 E 98th St				Contact	Pers	on:				
City: Garfield Heights State: Ohio Zip: 44125 -										
Email: Phone: () - Fax: () -										
Asbestos Abatement Contractor (if ap	plicable)									
Name:				License #: /	٩C			Expiration Date:	/ /	
Address:				Contact	Pers	on:				
City:			State:				Zip:	-		
Email:			Phone: ()	-		Fax:	() -		
Billing Contact										
Is this contact associated with the] Owner, 🗌 Asbestos Aba	atement Cor	tractor, o	or 🗌 Demol	itior	n Contractor (i	f not inst	allation)?		
Address:				Contact	Pers	on:				
City:			State:				Zip:	-		
Email:			Phone: ()	-		Fax:	() -		
Fire Department (if applicable)										
Name:										
Address:				Contact	Pers	on:				
City:			State:				Zip:	-		
Email:			Phone: ()	-		Fax:	() -		
3) Ohio Asbestos Hazard Evaluation	n Specialist and Evaluation	Procedure							Revised?	
Evaluation Specialist: Josh Rankin			С	ertification #	: ES	5 36263	Exp	piration Date: 3 / 26 / 2	2021	
Procedure, including analytical metho Category I and Category II non-friable			f and to e					tos-containing materi ther Method (Explain I		
4) Procedures to be followed shoul	d unexpected RACM be dis	covered (ch	eck all th	at apply)					Revised?	
Stop work and keep wet	🛛 Evacuate area	🛛 De	emarcate	area		X C	ontact lic	ensed abatement cont	tractor	
Contact district office/local air au	thority	·				-				
Other (Explain):										
5) Planned Demolition (check all that apply) Revised?										
Describe demolition work to be performed and method(s) to be employed, including demolition techniques to be used: Implosion I Fire Training Wet Methods Manual Demolition Mechanical Demolition Other (Explain):										
Description of affected facility components (include attachment if necessary): Page 1 of 3										

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

Notification of Demolition and Renovation/Abatement

Section 1: General Information

Continued

6) Asbestos Description and	d Engineering Controls (if asbestos is being ab	ated)						Revised? 🗌			
For the material listed in each ensure proper waste handling		pe(s) of ACM to be aba	ated, engineerii	ng cor	itrols and work p	practices to be use	d to mini	mize emis	ssions and			
Type of ACM to be abated:	of ACM to be abated: Surfacing Mechanical					🔀 Other Pipe Wrap						
Engineering Controls:	Wet Methods	Glove Bag	NPE NPE		🛛 AFD	Other:						
Work Practices:	Intact Removal	🛛 Manual	🛛 Mechan	nical	Other:							
7) Asbestos Waste Transpo	rter (if applicable)								Revised?			
Transporter #1 Name:												
Address:				Cont	act Person:							
City:			State:			Zip:	-					
Email:			Phone: ()	-	Fax: ()	-				
Transporter #2 Name (if appli	cable):											
Address:				Cont	act Person:							
City:			State:			Zip:	-					
Email:			Phone: ()	-	Fax: ()	-				
8) Asbestos Waste Disposa	l Site (if applicable)								Revised?			
Name:												
Address:				Contact Person:								
City:			State:	State: Zip: -								
Email:			Phone: ()	-	Fax: ()	-				
9) Emergency Demolition (complete if you checked	"Emergency" above a	and "Demolitio	n" for	any project)				Revised?			
A copy of the issued order, in	cluding the following info	ormation, must be att	ached to this no	otifica	tion.							
Government Official Issuing C)rder:		Title:									
Agency:			Authority	Authority of Order (Citation of Code):								
Date of Order: / /			Demolitio	Demolition Date: / /								
10) Emergency Renovation/	Abatement (complete if	you checked "Emerge	ency" above an	d "Rei	novation/Abate	ment" for any pro	ject)		Revised?			
Date of Emergency: /	/		Time of E	Emerg	ency: :	🗌 a.m. 🔲 p.m	•					
Description of Sudden, Unexp	pected Event:											
Explanation of how the event	t caused unsafe condition	ns or equipment dama	age:									
11) Attestation									Revised?			
In accordance with Ohio Adm Administrative Code will supe prohibited by law and I certify	ervise the stripping and r	emoval described by t	his notification.	l ack	nowledge that th							
Signature:					Date: /	/						
Name:			Title:									
Organization:												

Page 2 of 3



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 #	<i>t</i> :											
A. Facility Description Revised?													
Building Name (if applicable): CUY 00043 06070 Site Location (specific): .4 Mi. E. Of Richmond Rd. Address 4482 445 22/00 24520/02 45/000 Site Location (specific): .4 Mi. E. Of Richmond Rd.													
Address: 41°24'15.33"N 81°29'12.45"W County: CUYAHOGA													
City: Solon State: OH Zip: 44139 -													
Building Size (squar	e feet): 1,53	57			No. of	Floors:				Age: 84			
Present Use: Bridge Prior Use:													
B. Type of Operation (check all that apply) Revised?													
Demolition	Demolition Renovation/Abatement – Type: Removal Repair Encapsulation Enclosure												
C. Asbestos Pres	ent (check on	e)										Revised?	
🛛 Yes 🗌 No	E	No, previously abated	l Year Al	pated:									
D. Approximate	Amount of As	bestos-Containing Mate	erials (complete	table b	pelow a	and Section 1 #6	6 if asbe	estos is presen	t)			Revised?	
			Material to	oe Ren	noved				Ma	terial NOT to	be Rem	noved	
			Non-fria	ble Ast	bestos-	Containing Mat	terial	Non	-friab	le Asbestos-C	Asbestos-Containing Material		
		RACM	Catego	ry I		Catego	ory II	0	Catego	ory I	C	Category II	
Pipes (linear feet)													
Surface area on oth components (ft ²)	er facility			122									
Volume if length or be measured (ft ³)	area cannot												
E. Asbestos Aba	tement Sched	ule and Abatement Spe	cialist (original n	otifica	tion is	required 10 wo	orking d	ays prior to th	e sta	rt of work)		Revised?	
Setup Date: /	/	Abater	nent Date: /	/				Complete Dat	te:	/ /			
(Shift 1) Time	Monday	v Tuesday	Wednes	day		Thursday		Friday	Saturday			Sunday	
start/end on site													
Abatement Speciali	st Name:			Certification #: AS					Expiration Date		ate:	/ /	
(Shift 1) Time	Monday	v Tuesday	Wednes	day		Thursday		Friday		Saturday		Sunday	
start/end on site													
Abatement Speciali	st Name:			Cert	ificatio	n #: AS				Expiration D	ate:	/ /	
F. Demolition Co	ontractor (if a	pplicable)										Revised?	
Name:													
Address:						Contact Pers	son:						
City:	City: State: Zip: -												
Email:				Phon	e: () -			Fax: ()	-		
G. Demolition Sc	chedule (origin	nal notification is requir	ed 10 working da	ays pri	or to tl	he start of work	k)					Revised?	
Start Date: /	/			Comp	lete Da	ite: / /							
H. Project Hold												Revised?	
Hold Begin Date:	Nold Begin Date: / Work Resume Date: /												