Columbus

Cleveland

Dayton

October 1, 2021

Mr. Gery Noirot, P.E. District 4 Deputy Director 2088 South Arlington Street Akron, OH 44306-4243 330-786-3100

Attn: Edward W. Deley, Jr., District 4 Environmental Coordinator

Subject: Asbestos Inspection of TRU 00046 25150 (SFN# 7802994/PID 115443) State Route 46

over Mosquito Creek in North Bloomfield, OH 44450. (L&A 20-0076)

Dear Mr. Deley:

On September 28, 2021 Mr. Matt Geiger, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #35832) and Mr. Will Arnold, OEPA (AHES OH #545305) of Lawhon & Associates, Inc (L&A) conducted an asbestos survey of TRU 00046 25150 (SFN# 7802994/PID 115443) State Route 46 over Mosquito Creek in North Bloomfield, OH 44450. 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. 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
White Paint	Above Deck	Non-Friable
Waterproofing Membrane and Tar	Above Deck	Non-Friable
Abutment to Wingwall Tar	Below 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.

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

Table 2: Sample Descriptions, Locations and Results

Sample #	Sample Description and Location	Asbestos %
1	White Paint on Concrete - East Side, North End	No Asbestos Detected
2	White Paint on Concrete - East Side, South End	No Asbestos Detected
3	White Paint on Concrete - West Side, North End	No Asbestos Detected
4a	Waterproofing Membrane – East Side, North End	No Asbestos Detected
4b	Tar – East Side, North End	No Asbestos Detected
5a	Waterproofing Membrane – East Side, North End	No Asbestos Detected
5b	Tar – East Side, North End	No Asbestos Detected
6a	Waterproofing Membrane – West Side, South End	No Asbestos Detected
6b	Tar – West Side, South End	No Asbestos Detected
7	Abutment to Wingwall Tar – East Side, North End	No Asbestos Detected
8	Abutment to Wingwall Tar – West Side, North End	5% Chrysotile
9	Abutment to Wingwall Tar – East Side, South End	5% Chrysotile

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). Therefore, two samples of the Abutment to Wingwall Tar were found to be Asbestos Containing Material as defined by U.S. EPA/NESHAP regulations.

Any contractors disturbing this material must adhere to OSHA 29 CFR 1910 and 29 CFR 1926. The Abutment to Wingwall Tar is black in color and was noted on the north and south ends of the bridge between the wingwall and abutment. After reviewing the provided bridge plans this material is assumed to be equated with the 1" preformed expansion joint filler. This material encompasses a total of approximately 195 square feet (approximately 97.5 square feet associated with each side). An Image depicting the material can be found in Figure 4 of Appendix B.

Attachments

Appendix A contains the Ohio Environmental Protection Agency Certifications for Mr. Matt Geiger and Mr. Will Arnold.

Appendix B contains a 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 September 28, 2021 Mr. Matt Geiger, Ohio Environmental Protection Agency (OEPA) Certified Asbestos Hazard Evaluation Specialist (AHES OH #35832) and Mr. Will Arnold, OEPA (AHES OH #545305) of Lawhon & Associates, Inc (L&A) conducted an asbestos survey of TRU 00046 25150 (SFN# 7802994/PID 115443) State Route 46 over Mosquito Creek in North Bloomfield, OH 44450. Asbestoscontaining materials (ACM) were identified over the course of the survey. If you have any questions, please contact Matt Geiger at (614) 481-8600.

Sincerely,

Matt Geiger, AHES 35832

Matt & Feign

Project Manager

Will Arnold, AHES 545305 Environmental Technician

APPENDIX A OHIO ENVIRONMENTAL PROTECTION AGENCY CERTIFICATIONS

The InService Training Network

Asbestos Building Inspector and Management Planner Refresher Courses



Matthew 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: April 14, 2021/

Course Director:

Murt Varga

Expiration Date: April 14, 2022

Examination Date: April 14, 2021

Course Location: Worthington, OH

Certificate Numbers: ITNIR7061 & ITNMPR7061



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

RF.

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

SKL



The InService Training Network

Asbestos Building Inspector Initial Course



William Arnold

has successfully completed the Asbestos Building Inspector Initial Course and passed by at least 70% the course examination 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: June 14 - 16, 2021

Course Director:

Kurt Varga

Expiration Date: June 16, 2022

Examination Date: June 16, 2021

Course Location: Worthington, Ohio

Certificate Number: ITNII1997

The InService Training Network

Asbestos Management Planner Initial Course



Will Arnold

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

Course Dates: June 17 - 18, 2021

Expiration Date: June 18, 2022

Examination Date: June 18, 2021

Course Location: Worthington, Ohio

Certificate Number: ITNMI1997



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

6/22/2021

William Arnold Lawhon & Associates, Inc. 1441 King Ave Columbus, OH 43212

RE:

Evaluation Specialist Certification Number: ES545305 Expiration Date: 6/22/2022

Dear William Arnold:

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.

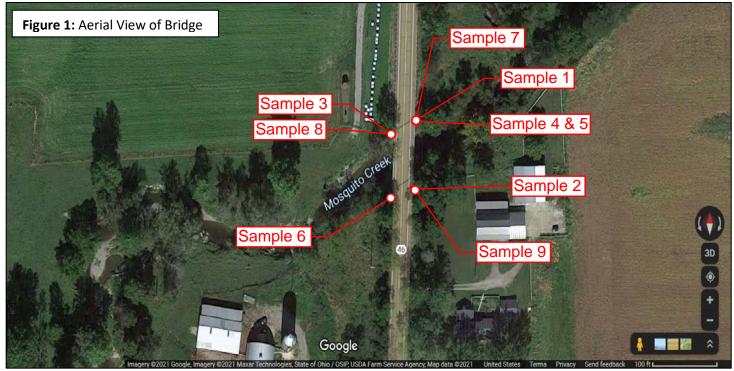
If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at asbestoslicensing@epa.ohio.gov.

Sincerely,

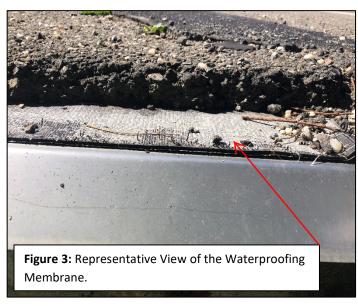
Joshua S. Koch Manager, Business Operations Support Section Ohio EPA - Division of Air Pollution Control



APPENDIX B BULK SAMPLE DIAGRAM











APPENDIX C LABORATORY RESULTS AND CHAIN OF CUSTODY



The Identification Specialists

Analysis Report prepared for Lawhon & Associates, Inc.

Report Date: 9/30/2021 Project

Name: TRU 00046 25150 Project

#: 20-0076

SanAir ID#: 21052487



NVLAP LAB CODE 600227-0

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



SanAir ID Number 21052487 **FINAL REPORT** 9/30/2021 3:30:47 PM

Name: Lawhon & Associates, Inc.

Address: 1441 King Ave

Columbus, OH 43212

Phone: 614-481-8600 ext. 142

Project Number: 20-0076

P.O. Number:

Project Name: TRU 00046 25150

Collected Date: 9/18/2021

Received Date: 9/29/2021 12:00:00 PM

Dear Matt Geiger,

We at SanAir would like to thank you for the work you recently submitted. The 9 sample(s) were received on Wednesday, September 29, 2021 via FedEx. 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.



SanAir ID Number
21052487
FINAL REPORT
9/30/2021 3:30:47 PM

Name: Lawhon & Associates, Inc.

Address: 1441 King Ave

Columbus, OH 43212 **Phone:** 614-481-8600 ext. 142

Project Number: 20-0076

P.O. Number:

Project Name: TRU 00046 25150

Collected Date: 9/18/2021

Received Date: 9/29/2021 12:00:00 PM

Analyst: Leitholf, Isabel

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic	Com	ponents	
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers
1 / 21052487-001 Paint on Concrete - East Side, North End	White Non-Fibrous Homogeneous		100% Other	None Detected
2 / 21052487-002 Paint on Concrete - East Side, South End	White Non-Fibrous Homogeneous		100% Other	None Detected
3 / 21052487-003 Paint on Concrete - West Side, North End	White Non-Fibrous Homogeneous		100% Other	None Detected
4 / 21052487-004 Waterproofing Membrane / Tar - East Side, North End, Membrane	Black Non-Fibrous Heterogeneous	2% Synthetic	98% Other	None Detected
4 / 21052487-004 Waterproofing Membrane / Tar - East Side, North End, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
5 / 21052487-005 Waterproofing Membrane / Tar - East Side, North End, Membrane	Black Non-Fibrous Heterogeneous	2% Synthetic	98% Other	None Detected
5 / 21052487-005 Waterproofing Membrane / Tar - East Side, North End, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
6 / 21052487-006 Waterproofing Membrane / Tar - West Side, South End, Membrane	Black Non-Fibrous Heterogeneous	2% Synthetic	98% Other	None Detected
6 / 21052487-006 Waterproofing Membrane / Tar - West Side, South End, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
7 / 21052487-007 Abatement to Wingwall Tar - East Side, North End	Black Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Isabel Leithof

Approved Signatory:

Analysis Date: 9/30/2021

Date: 9/30/2021



SanAir ID Number
21052487
FINAL REPORT
9/30/2021 3:30:47 PM

Name: Lawhon & Associates, Inc.

Address: 1441 King Ave

Columbus, OH 43212

Phone: 614-481-8600 ext. 142

Project Number: 20-0076

P.O. Number:

Project Name: TRU 00046 25150

Collected Date: 9/18/2021

Received Date: 9/29/2021 12:00:00 PM

Analyst: Leitholf, Isabel

Asbestos Bulk PLM EPA 600/R-93/116

	Stereoscopic			Components					
SanAir ID / Description	Appearance	% Fibrous	% Non-fibrous	Asbestos Fibers					
8 / 21052487-008 Abatement to Wingwall Tar - West Side, North End	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile					
9 / 21052487-009 Abatement to Wingwall Tar - East Side, South End	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile					

Analyst: Isabel Leithal

Approved Signatory: Mo

Analysis Date: 9/30/2021

Date: 9/30/2021

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

Lawhon & Associates, Inc.

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

Sent To:	San AIR	
VIA: F	12 Ex	

21052487 Nº 2678 €

a / 1 - 1 - 1

Pate: $\frac{9/15/2071}{1-0a_7}$

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name:			Project No.:	Proje	ect Contact:		Sample	er (print):	Is	ignature
TRU 0004	6	25150	20-0076	l .	lat+ (Triger -		_		log Alsh
Sample I.D. No.	Homog. Area No.	Sample /Homo	geneous Area Description			Sample L	ocation	,	7	Remarks
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3	(<u> </u>		west	Side - N		End		
4	Z	water procking	Memberne/	Tar	East			v d		·
5	2	, ,	!		7	(7			
(,	2	J.	•		W/5+ 5	(dc, 500)	rh End			
7	3	Abstract to	wingwall To	<i>ب</i> ر	Kast	1	th En	θ		
8	3	1	J		~34 -	. /	th En			
9	>				Bast '	5.00 500		1		
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			,							
							 			
		<u></u>								
							,			
SAMPLE ANALYSIS BY	EPA MET	 ГНОD 600/R-93/116 UNL	ESS OTHERWISE NOT	ED.		-			☐ Stop 1st Positiv	ve Analyze All Samples
Relinquished by: (signature)	101	Pate / Time Received by 21 13 00 M VH	y: (signature)	Date / Time		ned by: (signature)	Date / Tin	ne Receive	d by: (signature)	Date / Time

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, <u>including payment</u>, 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:	/	/	Г	☐ Hand-Delivered	d
<u>i</u>	mation (Check all that a	pply)	L				.±			L -		
☑ Original ☐ Rev	ision # (count):	☐ Installation	☐ Emerge	ency [Annual		Cancellation	County	: Trumbull			
2) Owner, Asbestos Abatement Contractor, Billing and Fire Department Information Revised?												
Owner									.			
Name: ODOT District 4									Is this a	compan	y? 🛛 Yes 🗌 N	No
Address: 2088 S. Arling	ton Road				Contac	t Pers	son:					
City: Akron				State: Oh	nio			Zip:	: 44306			
Email:				Phone: (3	330) 786-31	.00		Fax	: ()			
Asbestos Abatement Co	ontractor (if applicable)							·				
Name:					License #	: AC			Expira	ation Da	te: / /	
Address:					Contac	t Pers	son:					
City:				State:				Zip:	: -			
Email:				Phone: ()	-		Fax	:()	-		
Billing Contact												
Is this contact associate	ed with the 🔲 Owner,	Asbestos Aba	tement Co	ntractor,	or 🔲 Dem	olitio	n Contractor (i	if not ins	stallation)?)		
Address:					Contac	t Pers	son:					
City:				State:				Zip	-			
Email:				Phone: ()	-		Fax	:()	-		
Fire Department (if app	licable)											
Name:												
Address:					Contac	t Pers	son:					
City:				State:				Zip:	-			
Email:				Phone: ()	-		Fax	:()	-		
3) Ohio Asbestos Haz	ard Evaluation Specialis	t and Evaluation	Procedure								Revise	ed? 🗌
Evaluation Specialist: N	latt Geiger			C	Certification	#: E	S 35832	Ex	piration D	ate: 10/	14/2022	
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:												
4) Procedures to be f	ollowed should unexped	ted RACM be dis	covered (ch	neck all tl	hat apply)						Revise	ed? 🗌
Stop work and keep	o wet 🔀 Evacı	uate area	⊠ De	emarcate	area		⊠ c	ontact li	censed aba	atemen	contractor	
Contact district offi	ce/local air authority											
Other (Explain):												
5) Planned Demolitio	n (check all that apply)										Revise	ed? 🗌
	ork to be performed and re Training	method(s) to be o ethods							Explain):			
Description of affected	facility components (inc	ude attachment	f 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	l Engineering Controls (if	asbestos is being aba	ited)							Revised?
For the material listed in each ensure proper waste handling		e(s) of ACM to be abat	ted, engineerir	ng con	ntrols and work prac	ctices to	be used	to minimi	ze emissi	ons and
Type of ACM to be abated:	Surfacing	☐ Mechanical	☐ Other							
Engineering Controls:	☐ Wet Methods	Glove Bag	☐ NPE		☐ AFD	Oth	er:			
Work Practices:	☐ Intact Removal	Manual	☐ Mechan	ical	Other:					
7) Asbestos Waste Transpor	rter (if applicable)				•					Revised?
Transporter #1 Name:										
Address:				Cont	tact Person:					
City:			State:				Zip:	-		
Email:			Phone: ()	-		Fax: ()	-	
Transporter #2 Name (if applic	cable):									
Address:				Cont	tact Person:					
City:			State:				Zip:	-		
Email:			Phone: ()	-		Fax: ()	-	
8) Asbestos Waste Disposal	Site (if applicable)									Revised?
Name:										
Address:			_	Contact Person:						
City:			State:	State: Zip:			Zip:	-		
Email:			Phone: ()	-	1	Fax: ()	-	
9) Emergency Demolition (c	omplete if you checked "	Emergency" above a	nd "Demolitio	n" for	any project)					Revised?
A copy of the issued order, inc	luding the following infor	mation, must be atta	ched to this no	otifica	tion.					
Government Official Issuing O	rder:		Title:							
Agency:			Authority	of Or	rder (Citation of Cod	de):				
Date of Order: / /			Demolitic	on Dat	te: / /					
10) Emergency Renovation/A	Abatement (complete if ye	ou checked "Emerger	ncy" above and	d "Rei	novation/Abateme	nt" for a	any proje	ct)		Revised?
Date of Emergency: / /			Time of E	merg	ency: : \square] a.m. [p.m.			
Description of Sudden, Unexp	ected Event:									
Explanation of how the event	caused unsafe conditions	or equipment damag	з е:							
11) Attestation										Revised?
In accordance with Ohio Admi Administrative Code will super prohibited by law and I certify	rvise the stripping and ren	noval described by th	is notification.	I ack	nowledge that the	•				
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 Descri	iption								Revised?	
Building Name (if ap	oplicable): TRU	J 00046 25150		Site Location (specific): 1.44 Mi N Of Sr 87						
Address: 41°28'57.8	Address: 41°28'57.86"N 80°44'48.45"W					Cou	nty: Trumbull			
City: North Bloomfi	City: North Bloomfield					Zip:	44450-			
Building Size (square feet): 2,280					o. of Floors:			Age: 36		
Present Use: Bridge	e			Pri	ior Use:					
B. Type of Opera	ation (check a	ll that apply)							Revised?	
☐ Demolition ☐ Renovation/Abatement – Type: ☐ Removal ☐ Repair ☐ Encaps							Enclosure			
C. Asbestos Pres	ent (check on	ie)							Revised?	
⊠ Yes □ No		No, previously abated	Year Al	oated:						
D. Approximate	Amount of As	bestos-Containing Mate	rials (complete t	table bel	ow and Section 1 #6	if asbesto	s is present)		Revised?	
			Material to l	oe Remov	ved		Ma	aterial NOT to b	e Removed	
			Non-frial	ble Asbes	stos-Containing Mate	erial	Non-frial	ble Asbestos-Co	ntaining Material	
		RACM	Catego	ry I	Categor	y II	Categ	gory I	Category II	
Pipes (linear feet)										
Surface area on oth	er facility			195						
components (ft²) Volume if length or	area cannot									
be measured (ft ³)										
E. Asbestos Aba	tement Sched	ule and Abatement Spe	cialist (original n	otificatio	on is required 10 wo	rking days	prior to the sta	art of work)	Revised?	
Setup Date: /	/	Abaten	nent Date: /	/		Co	mplete Date:	/ /		
(Shift 1) Time	Monday	, Tuesday	Wednes	day	Thursday	Fri	day	Saturday	Sunday	
start/end on site								_		
Abatement Speciali	st Name:			Certification #: AS				Expiration Da	te: / /	
(Shift 1) Time	Monday	/ Tuesday	Wednes	day	Thursday	hursday Friday		Saturday	Sunday	
start/end on site								_		
Abatement Speciali	st Name:			Certific	cation #: AS			Expiration Da	te: / /	
F. Demolition Co	ontractor (if a	pplicable)							Revised?	
Name:										
Address: Contact Person:										
City: Sta							Zip:	-		
Email:				Phone: (() -		Fax:	()	-	
G. Demolition Sc	chedule (origin	nal notification is require	ed 10 working da	ys prior	to the start of work)			Revised?	
Start Date: /	1			Complete Date: / /						
H. Project Hold									Revised?	
Hold Begin Date: / /				Work Resume Date: / /						