

ADDENDUM No. 1

PROJECT: **PUCKER STREET DAM REMOVAL**
CLIENT: **CITY OF NILES**
ISSUE DATE: 4/10/2019

The following clarifications and changes shall be included in the Plans and Specifications for the above referenced project, as prepared by Wightman & Associates, Inc. dated March 29, 2019. This Addendum shall be deemed a part of the Contract Documents, and to the extent that the provisions of the other Contract Documents are in conflict herewith, this Addendum shall control.

SPECIFICATIONS:

1. The Ad for Bid has been revised to state: "The City of Niles will receive sealed bids for the construction of the Pucker Street Dam Removal and River Restoration Project until, 2:00 pm local time on the 7th of May, 2019." in lieu of the 3rd of May, 2019.
2. Appendix A was added to the Specifications and Contract Documents to include the Asbestos Report, Lead Based Paint Report, and PCB Report as referenced in the Hazardous Waste Cleanup Specification on page PS-14.

ATTACHMENTS:

Asbestos Inspection Report
Lead Based Paint Report
PCB Report

The bidder hereby acknowledges receipt of this Addendum and shall include a signed copy with their bid.

Company

Date

Signature

Title

Print or Type Name



**ENVIRONMENTAL AND TESTING SERVICES
4050 KING DRIVE
P.O. BOX 95
SODUS, MICHIGAN 49126-0095**

April 24, 2014

Wightman & Associates, Inc.
2303 Pipestone Rd
Benton Harbor, Mi 49022

Attention: ***Mr. Oscar Loveless***

RE: ***ASBESTOS INSPECTION REPORT FOR PUCKER STREET DAM, NILES,
MICHIGAN***

Dear Mr. Loveless:

Wightman Environmental, Inc. conducted a National Emissions Standard for Hazardous Air Pollutant (NESHAP) inspection for the referenced structure on March 18, 2014 and on April 4, 2014. The purpose of the inspection was to determine if the referenced structure contained any asbestos containing materials (ACM's). The structure is commonly known as the Pucker Street Dam which is located along Pucker Street between M-51 and Creek Road in Niles, Michigan. The property is owned by the City of Niles located at 333 North Second Street, Niles, Michigan, 49120.

The dam structure consists of a two-story brick and concrete block structure with associated dam and runways. The structure was originally constructed in the mid 1800's.

During the inspection, bulk samples were randomly collected from any suspected ACM's. The samples were then submitted to a NVLAP accredited laboratory for analysis using polarized light microscopy (PLM). A sample is considered an ACM if it contains more than 1% of asbestos. Thermal system insulation (TSI), ceiling tiles, floor tiles, drywall joint compound, plaster, stucco, fireproof doors, mastics, roofing tar, window glaze, and vermiculite are some examples of building materials that may contain asbestos. The attached Table 1 summarizes the sample results and Figure 1 shows the ACM sample locations.

SUMMARY OF TEST RESULTS

Inside the generator room, there are four electrical panels on the north side of the generator. The bottom right electrical panel has some electric wires that are coated with asbestos containing insulation (HM-6).

Sample number 7 contained 35% Chrysotile asbestos. This asbestos containing electric wire insulation is a Category II non-friable ACM. There is less than 1 cubic feet of this ACM.

There is asbestos containing roofing tar (HM-12) covering the roof over the generator room and the office area. Sample numbers 15 and 17 contained 20% Chrysotile asbestos and no asbestos was detected in sample numbers 13 and 14. Even though sample numbers 13 and 14 (HM-11) did not contain any asbestos, all of the roofing tar shall be considered an ACM. This asbestos containing roofing tar is a Category I non-friable ACM. There is approximately 900 square feet of asbestos containing roofing tar.

During renovation or demolition, there is the possibility of finding suspected ACM's hidden within the building that was not seen during the inspection. Work will need to stop and samples will need to be collected from any materials suspected of containing asbestos that were not previously tested.

RECOMMENDATIONS

It is our understanding that the structure is going to be demolished. According to the United States Environmental Protection Agency, demolition is defined as the removal of any load bearing wall. In accordance with 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutant; Asbestos NESHAP Revision; Final Rule, the following requirements must be completed. Any ACM that is friable or is likely to become friable must be removed prior to renovation or demolition. Friable asbestos material means any material containing more than 1 percent asbestos that when dry can be crumbled, pulverized, or reduced to powder by hand pressure.

The asbestos containing electric wire insulation (HM-6) is a Category II non-friable ACM that does not need to be removed by a licensed asbestos abatement contractor as long as the material is not made friable during removal, demolition, or renovation. Anyone removing this ACM or demolishing the structure with this ACM in it shall have met the minimum training requirements set by the Michigan Occupational Safety and Health Administration (MIOSHA). All of the asbestos containing wire insulation shall be disposed of at a licensed disposal facility approved for asbestos disposal. Waste shipment records shall be maintained by the generator, transporter, and disposal facility and be made available for inspection by the Michigan Department of Environmental Quality (MDEQ) and by MIOSHA.

Mr. Loveless
April 24, 2014
Page 3

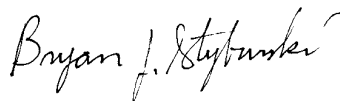
The asbestos containing roofing tar (HM-12) is a Category I non-friable ACM that does not need to be removed by a licensed asbestos abatement contractor as long as the material is not made friable during removal, demolition, or renovation. Anyone removing this ACM or demolishing the structure with this ACM in it shall have met the minimum training requirements set by MIOSHA. All of the roofing tar shall be disposed of at a licensed disposal facility approved for asbestos disposal. This includes any building materials (carpet, wood, concrete, metal, and brick) that still have the roofing tar attached to it. Waste shipment records shall be maintained by the generator, transporter, and disposal facility and be made available for inspection by the MDEQ and MIOSHA.

The MDEQ and MIOSHA are required to be notified in writing at least 10 working days prior to the intent to renovate/demolish. As soon as the project schedule is determined, WEI can complete the notification form. Following the signatures of the owner and demolition contractor, WEI will submit the form to the MDEQ and MIOSHA offices.

Enclosed you will find Table 1, Figure 1, pictures of the structure, and a copy of the analytical report. If you have any questions, please call.

Sincerely yours,

WIGHTMAN ENVIRONMENTAL, INC.

A handwritten signature in black ink, reading "Bryan J. Styburski". The signature is written in a cursive, flowing style.

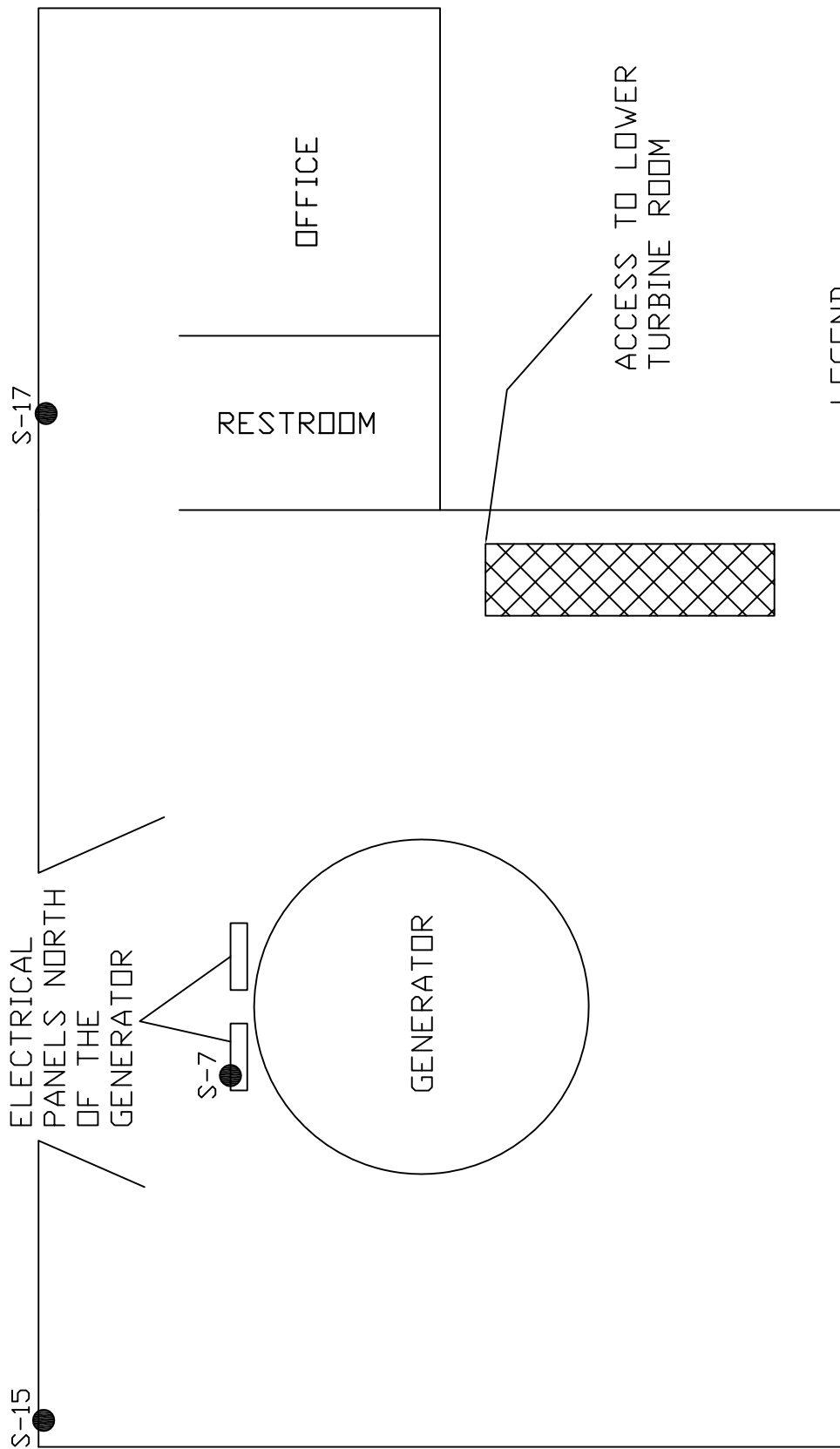
Bryan J. Styburski
Michigan Accredited Asbestos Inspector
Accreditation Number A32055

Analytical Results
Pucker Street Dam, Niles, Michigan

TABLE 1 (PLM Results)

Sample #	Homogeneous Material	Material Description	Analytical Results % & Type	ACM (Yes/No)	Sample Location
1	HM-1	Plaster/Paint, green	None Detected	No	Generator Room, concrete base supporting generator
2	HM-1	Plaster/Paint, green	None Detected	No	Duplicate of sample #1
3	HM-2	Paint, tan	None Detected	No	Generator Room, south wall covering bricks
4	HM-3	Water Pipe Insulation, foam with foil	None Detected	No	Generator Room, water pipe on top of generator
5	HM-4	Black Coating on Plywood	None Detected	No	Generator Room, on wood panel lying against west wall
6	HM-5	Electric Wire Insulation, red 12 gauge +/-	None Detected	No	Generator Room, open junction box on west wall next to electric meter
7	HM-6	Electric Wire Insulation, gray, 6 gauge +/-	35% Chrysotile	Yes	Generator Room, electric panel on north side of generator
8	HM-7	Electric Wire Insulation, yellow, fiberglass	None Detected	No	Generator Room, generator internal wiring
9	HM-8	Plaster, skim coat	None Detected	No	Office, south wall
	HM-9	Plaster, base coat	None Detected	No	
10	HM-8	Plaster, skim coat	None Detected	No	Office, west wall next to south window
	HM-9	Plaster, base coat	None Detected	No	
11	HM-8	Plaster, skim coat	None Detected	No	Office, ceiling
	HM-9	Plaster, base coat	None Detected	No	
12	HM-10	Window Glaze	None Detected	No	Office, south window 35 panes 12"x16" each
13	HM-11	Roofing Tar, black	None Detected	No	Generator Room, roof 24'x28'
14	HM-11	Roofing Tar, black	None Detected	No	Generator Room, roof
15	HM-12	Roofing Tar, gray	20% Chrysotile	Yes	Generator Room, top of ledge on roof
16	HM-13	Paint/Floor Tile, Red	None Detected	No	Generator Room, north of generator on floor
17	HM-12	Roofing Tar, gray	20% Chrysotile	Yes	Office, roof 12'x15'
18	HM-14	Electric Wire Insulation, black	None Detected	No	Office, restroom, electrical panel
19	HM-15	Electric Wire Insulation, black	None Detected	No	Office, restroom, coiled wire in electrical panel
20	HM-5	Electric Wire Insulation, black	None Detected	No	Office, hanging outlet next to restroom
21	HM-16	Electric Wire Insulation, black, rubber	None Detected	No	Generator Room, electrical panel on south wall next to hydraulic pump
22	HM-14	Electric Wire Insulation, brown	None Detected	No	Generator Room, electrical outlet on west wall underneath electric meter
23	HM-16	Electric Wire Insulation, black, rubber	None Detected	No	Generator Room, open electrical panel on west wall underneath electric meter
24	HM-5	Electric Wire Insulation, brown	None Detected	No	Generator Room, open electrical box in the northeast corner of the room
25	HM-14	Electric Wire Insulation, brown	None Detected	No	Generator Room, open electrical box in the northeast corner of the room
26	HM-17	Electric Wire Insulation, green, rubber	None Detected	No	Generator Room, inside conduit for hydraulic gate
27	HM-16	Electric Wire Insulation, black, rubber	None Detected	No	Generator Room, north side of generator, bottom right electrical panel, black wire going to top of generator, was connected to wire with asbestos containing insulation (sample #7)
28	HM-5	Electric Wire Insulation, black	None Detected	No	Generator Room, north side of generator, bottom left electrical panel, wire leading from disconnect to bottom right electrical panel, then to top of generator
29	HM-16	Electric Wire Insulation, black, rubber	None Detected	No	Generator Room, north side of generator, top left electrical panel, wire going into conduit leading to top of generator
30	HM-16	Electric Wire Insulation, black, rubber	None Detected	No	Generator Room, north side of generator, bottom right panel, wire attached to the metal bar that has the wire containing the asbestos insulation (sample #7) attached to it

FIGURE 1
 ASBESTOS SAMPLE LOCATION MAP
 PUCKER STREET DAM PROJECT
 NILES, MICHIGAN



LEGEND

S-7 ● ACM SAMPLE LOCATION

FOR: WIGHTMAN & ASSOCIATES, INC.	WIGHTMAN ENVIRONMENTAL, INC.
JOB NUMBER: 140013	4050 King Drive, P.O. Box 95 Sodus, MI 49126
DATE: APRIL, 2014	Phone: (269) 934-7707 Fax: (269) 934-7414 www.wightman-env.com



SCALE: 1"=5' +/-
 DRAWN BY: BJS

Site Photos
Pucker St Dam
Niles, Michigan



North and east side of the dam.



North and west side of the dam.



**Asbestos containing roofing tar (HM-12)
covering the generator room roof.**

Site Photos
Pucker St Dam
Niles, Michigan



**Asbestos containing roofing tar (HM-12)
covering the generator room roof.**






A view of the office area.






Generator inside the generator room.




Site Photos
Pucker St Dam
Niles, Michigan

 A photograph showing four electrical panels mounted on a metal frame. The panels are heavily corroded and contain various electrical components, including wires and capacitors. A date stamp "04/04/2014" is visible in the bottom right corner of the image.	<p>The four electrical panels on the north side of the generator. The bottom right panel has some electrical wires coated with asbestos containing insulation (HM-6).</p>
 A photograph showing three thick black cables running through a series of copper wire coils. The coils are mounted on a metal frame and appear to be part of a generator or transformer. A date stamp "03/17/2014" is visible in the bottom right corner of the image.	<p>The three wires going through the coils of copper wire have asbestos containing insulation ((HM-6) covering the electric wire.</p>
 A close-up photograph of the three thick black cables as they pass through the copper wire coils. The cables are heavily insulated, and the surrounding metal structure is heavily rusted. A date stamp "03/17/2014" is visible in the bottom right corner of the image.	<p>The three wires going through the coils of copper wire have asbestos containing insulation ((HM-6) covering the electric wire. Sample number 7 was collected from the wire on the right that is cut.</p>

Site Photos
Pucker St Dam
Niles, Michigan

 A close-up photograph of several thick, yellowish-orange cables with black and white markings, bundled together and secured with metal clamps. The date stamp '03/18/2014' is visible in the bottom right corner of the photo.	<p>Fiberglass coated wire (HM-7) on the generator wiring.</p>
 A photograph of an interior wall with three electrical meters. Below the middle meter, a bundle of wires is visible. A green-handled screwdriver is lying on the wall to the right. The date stamp '04/04/2014' is visible in the bottom right corner of the photo.	<p>Electric wire (HM-1) that was sampled from an outlet underneath the electric meter.</p>
 A photograph of a room with peeling and damaged plaster on the walls. A window with multiple panes is visible in the center, and some debris is on the floor. The date stamp '03/18/2014' is visible in the bottom right corner of the photo.	<p>Plaster (HM-8 and HM-9) on the walls of the office.</p>

Site Photos
Pucker St Dam
Niles, Michigan

	<p>A sample of window glaze (HM-10) was collected from this window on the south side of the office.</p>
	<p>A sample of window glaze (HM-10) was collected from this window on the south side of the office.</p>
	<p>A view of the hydraulic pump and the hydraulic gate controls inside the generator room.</p>



ASBESTOS LABORATORY REPORT

Prepared for

Wightman Environmental, Inc.

PROJECT: Pucker Street Dam Niles, Michigan; 140013

CEI LAB CODE: A14-3340

DATE ANALYZED: 03/25/14

DATE REPORTED: 03/26/14

TOTAL SAMPLES ANALYZED: 17

SAMPLES >1% ASBESTOS: 3

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Pucker Street Dam Niles, Michigan;
140013

CEI LAB CODE: A14-3340

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Sample #1		A1672509	Green	Plaster	None Detected
Sample #2		A1672510	Green	Plaster	None Detected
Sample #3		A1672511	Tan	Heterogeneous,	None Detected
Sample #4		A1672512	Grey	Heterogeneous,	None Detected
Sample #5		A1672513	Tan	Heterogeneous,	None Detected
Sample #6		A1672514	Tan,Black	Wire Cover	None Detected
Sample #7		A1672515	Off-white,Black	Wire Cover	Chrysotile 35%
Sample #8		A1672516	Off-white	Cloth	None Detected
Sample #9	Layer 1	A1672517	Orange	Plaster Skim Coat	None Detected
	Layer 2	A1672517	Tan	Plaster Base Coat	None Detected
Sample #10	Layer 1	A1672518	Orange	Plaster Skim Coat	None Detected
	Layer 2	A1672518	Tan	Plaster Base Coat	None Detected
Sample #11	Layer 1	A1672519	White	Plaster Skim Coat	None Detected
	Layer 2	A1672519	Tan	Plaster Base Coat	None Detected
Sample #12		A1672520	White	Glazing	None Detected
Sample #13		A1672521	Black	Tar	None Detected
Sample #14		A1672522	Black	Tar	None Detected
Sample #15		A1672523	Black,Grey	Tar	Chrysotile 20%
Sample #16		A1672524	Red	Heterogeneous,	None Detected
Sample #17		A1672525	Black,Grey	Tar	Chrysotile 20%



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Wightman Environmental, Inc.

4050 King Drive
PO Box 95

CEI Lab Code: A14-3340

Date Received: 03-21-14

Date Analyzed: 03-25-14

Date Reported: 03-26-14

Project: Pucker Street Dam Niles, Michigan; 140013

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Sample #1 A1672509	Plaster	Heterogeneous			85%	Paint	None Detected
		Green			10%	Binder	
		Non-fibrous			5%	Silicates	
		Bound					
Sample #2 A1672510	Plaster	Heterogeneous			85%	Paint	None Detected
		Green			10%	Binder	
		Non-fibrous			5%	Silicates	
		Bound					
Sample #3 A1672511	Heterogeneous, A1672511	Heterogeneous			100%	Binder	None Detected
		Tan					
		Non-fibrous					
		Bound					
Sample #4 A1672512	Heterogeneous, A1672512	Heterogeneous	2%	Cellulose	18%	Binder	None Detected
		Grey			15%	Metal Foil	
		Fibrous			65%	Foam	
		Bound					
Sample #5 A1672513	Heterogeneous, A1672513	Heterogeneous	95%	Cellulose	5%	Binder	None Detected
		Tan					
		Fibrous					
		Bound					
Sample #6 A1672514	Wire Cover A1672514	Heterogeneous	35%	Cellulose	65%	Binder	None Detected
		Tan,Black					
		Fibrous					
		Bound					
Sample #7 A1672515	Wire Cover A1672515	Heterogeneous	15%	Cellulose	50%	Binder	35% Chrysotile
		Off-white,Black					
		Fibrous					
		Bound					



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Wightman Environmental, Inc.

4050 King Drive
PO Box 95

CEI Lab Code: A14-3340

Date Received: 03-21-14

Date Analyzed: 03-25-14

Date Reported: 03-26-14

Project: Pucker Street Dam Niles, Michigan; 140013

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Sample #8 A1672516	Cloth	Heterogeneous Off-white Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
Sample #9 Layer 1 A1672517	Plaster Skim Coat	Heterogeneous Orange Non-fibrous Bound			55% 45%	Binder Calc Carb	None Detected
Layer 2 A1672517	Plaster Base Coat	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
Sample #10 Layer 1 A1672518	Plaster Skim Coat	Heterogeneous Orange Non-fibrous Bound			55% 45%	Binder Calc Carb	None Detected
Layer 2 A1672518	Plaster Base Coat	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
Sample #11 Layer 1 A1672519	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			55% 45%	Binder Calc Carb	None Detected
Layer 2 A1672519	Plaster Base Coat	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Wightman Environmental, Inc.

4050 King Drive
PO Box 95

CEI Lab Code: A14-3340

Date Received: 03-21-14

Date Analyzed: 03-25-14

Date Reported: 03-26-14

Project: Pucker Street Dam Niles, Michigan; 140013

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Sample #12 A1672520	Glazing	Heterogeneous White Fibrous Bound	3%	Talc	52% 45%	Binder Calc Carb	None Detected
Sample #13 A1672521	Tar	Heterogeneous Black Fibrous Bound	3%	Cellulose	97%	Tar	None Detected
Sample #14 A1672522	Tar	Heterogeneous Black Fibrous Bound	3%	Cellulose	97%	Tar	None Detected
Sample #15 A1672523	Tar	Heterogeneous Black,Grey Fibrous Bound			80%	Tar	20% Chrysotile
Sample #16 A1672524	Heterogeneous,	Heterogeneous Red Non-fibrous Bound			100%	Binder	None Detected
Sample #17 A1672525	Tar	Heterogeneous Black,Grey Fibrous Bound			80%	Tar	20% Chrysotile



LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: **EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020**

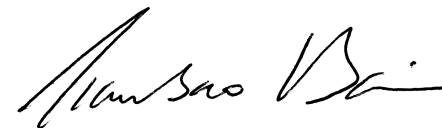
The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

This report may not be reproduced, except in full, without written approval by CEI LABS. CEI LABS makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U. S. Government.

ANALYST: 
Megan Rumble

APPROVED BY: 
Tianbao Bai, Ph.D.
Laboratory Director





CAROLINA ENVIRONMENTAL, INC.

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD ASBESTOS/LEAD ANALYSIS

A14-3340 (17)
A1672509-A1672525

Client: Wightman Environmental, Inc.		Project Manager: Bryan Styburski												
Address: 4050 King Dr, P.O. Box 95 Sodus, MI 49126		Phone: 269-934-7707 Fax: 269-934-7414												
Email: bstyburski@wightman-env.com														
PROJECT	PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS						LEAD PAINT				TURN-AROUND TIME	
			PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk*	TEM Air*	Lead Paint*	Lead Wipe*	Lead Soil*	Lead Air*	Other Analysis	
Sample # 1			X											<div>* Lead and TEM results require 48 Hour TAT or longer</div> <div><input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 3 DAYS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS* <input type="checkbox"/> 4 HOURS*</div>
Sample # 2			X											
Sample # 3			X											
Sample # 4			X											
Sample # 5			X											
Sample # 6			X											
Sample # 7			X											
Sample # 8			X											
Sample # 9			X											
Sample # 10			X											
REMARKS:														
Relinquished By:			Received By: UPS											
Date / Time: 3-19-14			Date / Time:											
Relinquished By:			Received By:											
Date / Time:			Date / Time:											



CAROLINA ENVIRONMENTAL, INC.

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD ASBESTOS/LEAD ANALYSIS

A 14-3340

Client: Wightman Environmental, Inc.		Project Manager: Bryan Styburski											
Address: 4050 King Dr, P.O. Box 95		Phone: 269-934-7707											
Sodus, MI 49126		Fax: 269-934-7414											
Email: bstyburski@wightman-env.com													
PROJECT	Pucker Street Dam Niles, Michigan	Job #: 140013											
PROJECT DESCRIPTION	PROJECT CODE												
Sample # 11		PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk*	TEM Air*	Lead Paint*	Lead Wipe*	Lead Soil*	Lead Air*	Other Analysis	TURN-AROUND TIME * Lead and TEM results require 48 Hour TAT or longer <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> 3 DAYS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS* <input type="checkbox"/> 4 HOURS*
Sample # 12		X											
Sample # 13		X											
Sample # 14		X											
Sample # 15		X											
Sample # 16		X											
Sample # 17		X											
Sample #													CLIENT ID#
Sample #													
Sample #													
Sample #													
REMARKS:													
Samples will be disposed of 30 days after analysis, unless otherwise requested.													
Relinquished By:		Date / Time: 3-19-14				Received By: UPS				Date / Time:			
Relinquished By:		Date / Time:				Received By:				Date / Time:			

Lead-Based Paint Inspection

**Pucker Street Dam Building
Niles, Michigan 49120**

**Prepared For:
Wightman & Associates, Inc.
2303 Pipestone Road
Benton Harbor, Michigan 49022**

**Property Owner:
City of Niles
333 North Second Street
Niles, Michigan 49120**

**Inspection Company:
Wightman Environmental, Inc.
4050 King Drive
Sodus, Michigan 49126
Telephone: (269)934-7707
Fax: (269)934-7414
wei@wightman-env.com
www.wightman-env.com**

**Prepared By: Alexander S. Wallace
Lead Inspector: Alexander S. Wallace, P-05455**

ENVIRONMENTAL AND TESTING SERVICES
4050 KING DRIVE
P.O. BOX 95
SODUS, MICHIGAN 49126-0095

April 22, 2014

Wightman & Associates, Inc.
2303 Pipestone Road
Benton Harbor, MI 49022

Attn: Mr. Oscar Loveless

**RE: LEAD-BASED PAINT INSPECTION REPORT
PUCKER STREET DAM
NILES, MICHIGAN**

Dear Mr. Loveless:

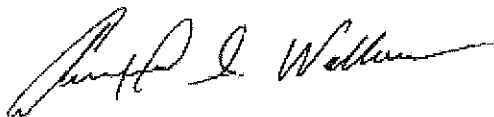
Please find the enclosed lead-based paint inspection report conducted for the structure located at the above referenced property. The inspection was conducted on March 18, 2014.

The lead-based paint inspection was conducted by Alexander Wallace who is employed by Wightman Environmental, Inc. and is a licensed Lead Inspector/Risk Assessor by the Michigan Department of Community Health (Certification Number P-05455, expiration date March 31, 2015).

If you have any questions or comments, please contact us directly at (269)934-7707.

Sincerely,

Wightman Environmental, Inc.

A handwritten signature in black ink, appearing to read "Alexander S. Wallace", written in a cursive style.

Alexander S. Wallace

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II. EXECUTIVE SUMMARY

Wightman Environmental, Inc. (WEI) has been authorized by Wightman & Associates, Inc. to perform a lead-based paint inspection for the structure known as the Pucker Street Dam in Niles, Michigan. The property is owned by the City of Niles. The property contains one structure which is currently vacant and was formerly utilized as a dam control room/generator room. A total of sixteen (16) painted surfaces were sampled during the lead-based paint inspection. All painted surfaces were not sampled due to inaccessibility and confined space hazards.

The lead-based paint inspection was conducted by collecting paint chip samples from painted surfaces. Paint chip samples were collected according to the specifications described in the protocols for lead-based paint testing in the *Housing and Urban Development (HUD) Guidelines for the Evaluation & Control of Lead-Based Paint Hazards in Housing*. The paint chip sample collection, lead-based paint inspection, and lead-based paint inspection report were conducted by a WEI employed Michigan Department of Community Health Certified Lead Inspector.

As part of the lead-based paint inspection, a surface-by-surface visual inspection of painted surfaces was conducted in conjunction with the paint chip sample collection. The painted surfaces within the structure were observed to be nonintact at the time of the inspection.

WEI has determined that there is nonintact lead-based paint at the property and lead hazard activities will be required.

III. SCOPE OF INSPECTION

A. Building History

One structure was inspected as part of this lead-based paint (LBP) investigation. The structure is commonly known as the Pucker Street Dam which is located along Pucker Street between M-51 and Creek Road in Niles, Michigan. The property is owned by the City of Niles located at 333 North Second Street, Niles, Michigan, 49120. The contact for the City of Niles is Mr. Jeffery Dunlap, Utilities Manager. Mr. Dunlap can be reached at (269)683-4700.

The dam structure consists of a two-story brick and concrete block structure with associated dam and runways. The structure was originally constructed in the mid 1800's.

No written permission was required to access the property as the property is vacant and is owned by the user of this report.

B. Preface

Wightman Environmental, Inc. (WEI) has been contracted by Wightman & Associates, Inc. to perform a surface-by-surface LBP inspection for the dam structure referenced above. The LBP inspection was conducted on March 18, 2014.

C. Training & Personnel

Mr. Alexander Wallace, employed by Wightman Environmental, Inc. (WEI), conducted the LBP inspection. Mr. Wallace is certified by the Michigan Department of Community Health as a Lead Inspector and Risk Assessor; Certification Number P-05455. A copy of Mr. Wallace's certification is enclosed in Appendix C of this LBP inspection report. Mr. Wallace's contact information is as follows:

Wightman Environmental, Inc.
4050 King Drive
Sodus, MI 49126
(269)934-7707

D. Equipment & Methods

The LBP inspection was conducted by collecting paint chip samples from painted surfaces within the interior and exterior of the dam structure. Paint chip samples were collected with a variety of tools including a razor knife, paint scraper, chisel, surgical gloves, surface template and sampling tray. All paint chip samples were collected from a surface area of approximately 1-inch by 1-inch. All equipment was wiped down and cleaned after each sample collection.

E. Limitations

The dam structure consists of a generator room, attached office area, bathroom and lower turbine room. The lower turbine room was deemed unsafe to enter during the site inspection; therefore, no samples were collected from the lower level of the dam structure.

All surfaces of the structure were not evaluated due to inaccessibility and confined spaces. Any surface not tested should be assumed positive for LBP.

Soil and water sampling for lead is outside the scope of this LBP inspection.

This LBP Inspection has been conducted for the demolition of the dam structure. This LBP Inspection does not report on the conditions of the structure for re-occupancy. Furthermore; the dam structure is not considered "target housing" as defined by Title X of the Housing and Community Development Act of 1992 regulations and is therefore exempt from Title X regulations.

F. Results

A total of sixteen (16) paint chip samples were collected from the interior and exterior of the structure. The paint chip samples were mailed to an analytical laboratory which is recognized by the National Lead Laboratory Accreditation Program (NLLAP). A complete copy of the laboratory report is contained in Appendix B of this report.

The Residential Lead-based Paint Hazard Reduction Act (Title X) of the Community Development and Housing Act of 1992 defines lead-based paint as: *"paint, varnish, shellac, or other coating on surfaces that contain 1.0 mg/cm² (5,000 µg/g, 5,000 ppm) or more of lead or 0.5 percent or more lead by weight"*.

The following table shows the paint chip sample results. The far right column indicates whether or not the paint chip sample is considered to be lead-based paint as defined by Title X. Figure 1 in Appendix A of this report shows the layout of the structure and sample locations per the room number, side number and room component.

<u>Sample</u> #	<u>Room</u> #	<u>Side</u>	<u>Component</u>	<u>Paint</u> Color	<u>Paint</u> Condition	<u>Result</u> ppm (µg/g)	<u>Result</u> % by weight	<u>LBP</u> Y/N
1	1	C	Wall	Cream	nonintact	5,700	0.57	Yes
2	1	A	Ext. Door	White	nonintact	22,000	2.2	Yes
3	1	A	Int. Door	Brown	nonintact	43,000	4.3	Yes
4	1	D	Oil Tank	Red	nonintact	1,800	0.18	No
5	1	--	Lower Generator	Green	nonintact	620	0.062	No
6	1	--	Upper Generator	White	nonintact	27,000	2.7	Yes
7	1	--	Generator Ladder	Red	nonintact	35,000	3.5	Yes
8	1	A	Wall	Green	nonintact	7,300	0.73	Yes
9	1	--	Machinery	Green	nonintact	4,000	0.40	No

<u>Sample #</u>	<u>Room #</u>	<u>Side</u>	<u>Component</u>	<u>Paint Color</u>	<u>Paint Condition</u>	<u>Result ppm (µg/g)</u>	<u>Result % by weight</u>	<u>LBP Y/N</u>
10	1	A	Wall	Cream	nonintact	2,000	0.20	No
11	1	--	Painted Steel	Gray	nonintact	1,200	0.12	No
12	2	B	Door	Brown	nonintact	38,000	3.8	Yes
13	3	--	Work Bench	Brown	nonintact	1,300	0.13	No
14	3	D	Wall	White	nonintact	2,400	0.24	No
15	1	--	Floor	Red	nonintact	2,600	0.26	No
16	Ext.	A	Window	White	nonintact	4,500	0.45	No

G. Conclusions

Lead-based paint has been identified at the property. Specifically, LBP was identified in the generator (Room #1) room walls, doors, and painted generator assemblies.

According to Chapter 7 of the Housing and Urban Development (HUD) guidelines, if one testing combination (*i.e.* window, door) is positive for lead in an interior or exterior room equivalent, all other similar testing combinations in those areas are assumed to be positive. The same is true for negative results. All inaccessible areas are assumed to be positive.

The commercial structure on the property is exempt as defined by Title X since the structure is non-residential and contains zero bedroom dwellings. Dust should be kept at a minimum during demolition to prevent soil, air or other media from being impacted by the lead-based paint.

In the event that the structure is to be rehabilitated the owner or prospective buyer of the property may wish to obtain additional services of a lead-based paint risk assessor to help understand the positive results and the associated risks. Additionally, if the structure is to

be rehabilitated and occupied, a copy of this report must be provided to new lessees (tenants) and purchasers of this property under Federal Law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

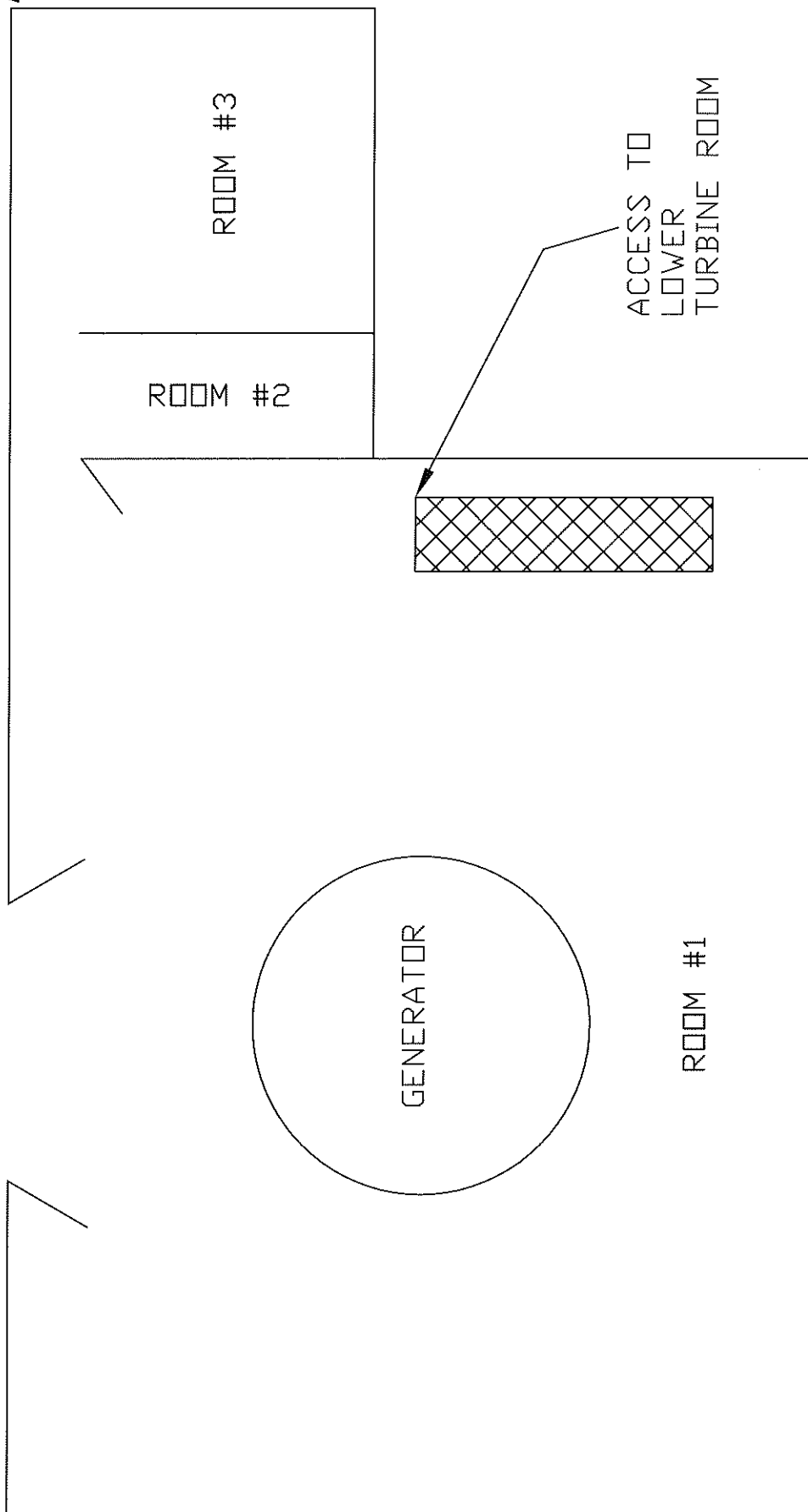
IV. DISCLAIMER

This is our report of a visual survey and results of a lead-based paint inspection which was conducted by collecting paint chip samples of the readily accessible areas of the structure on the property. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the inspection and it should be understood that conditions may change due to deterioration or maintenance. The results and material conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection.

FIGURE 1
SAMPLE LOCATION MAP-LEAD BASED PAINT
PUCKER STREET DAM PROJECT
NILES, MICHIGAN

'A' SIDE

'B' SIDE



'D' SIDE

'C' SIDE

FOR: WIGHTMAN & ASSOCIATES, INC.

JOB NUMBER: 140013

DATE: APRIL, 2014



WIGHTMAN ENVIRONMENTAL, INC.

4050 King Drive, P.O. Box 95
Sodus, MI 49126

Phone: (269) 934-7707 Fax: (269) 934-7414
www.wightman-env.com

SCALE: NO SCALE

DRAWN BY: ASW



CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT LEAD IN PAINT

Client: **Wightman Environmental, Inc.**

4050 King Drive
PO Box 95
Sodus, MI 49126

CEI Lab Code: C14-0206
Received: 03-21-14
Analyzed: 03-25-14
Reported: 03-25-14

Project: Niles Dam; 140013

ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	CEI LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
1	CA47956	5700	0.57
2	CA47957	22000	2.2
3	CA47958	43000	4.3
4	CA47959	1800	0.18
5	CA47960	620	0.062
6	CA47961	27000	2.7
7	CA47962	35000	3.5
8	CA47963	7300	0.73
9	CA47964	4000	0.40
10	CA47965	2000	0.20

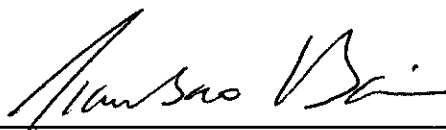
ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	CEI LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
11	CA47966	1200	0.12
12	CA47967	38000	3.8
13	CA47968	1300	0.13
14	CA47969	2400	0.24
15	CA47970	2600	0.26
16	CA47971	4500	0.45

ANALYSIS METHOD: EPA SW846 7000B

CLIENT ID	CEI LAB ID	PPM (µg/g)	CONCENTRATION % BY WEIGHT
-----------	---------------	------------	------------------------------

Reviewed By:



Tianbao Bai, Ph.D.
Laboratory Director

This method has been validated for sample weights of 0.020g or greater. When samples with a weight of less than that are analyzed those results fall outside of the scope of accreditations.

*** The analysis of composite wipe samples as a single samples is not included under AIHA accreditation.**

Minimum reporting limit is 20 µg total lead. Sample results denoted with a "less than" (<) sign contain less than 20.0 µg total lead, based on a 40ml sample volume.

Lead samples are not analyzed by CEI Labs Lead samples are submitted to an AIHA ELLAP accredited laboratory for lead analysis of soil, dust, paint, and TCLP samples.

Laboratory results represent the analysis of samples as submitted by the client. Information regarding sample location, description, area, volume, etc., was provided by the client. Unless notified in writing to return samples, CEI Labs discards client samples after 30 days. This report shall not be reproduced, except in full, without the written consent of CEI Labs.

**REGULATORY
LIMITS**

OSHA Standard: No safe limit.
Consumer Products Safety Standard: Greater than 0.06% lead by weight.
Federal Lead Standard / HUD: 0.5% lead by weight.

LEGEND

µg = microgram
ml = milliliter

ppm = parts per million
Pb = lead

g = grams
wt = weight

End of Report



**CAROLINA
ENVIRONMENTAL, INC.**

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

C14-0206 (16)
CAY956-CAY97N
**CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS**

Client: Wightman Environmental, Inc.		Project Manager: Alex Wallace	
Address: 4050 King Dr, P.O. Box 95 Sodus, MI 49126		Phone: 269-934-7707 Fax: 269-934-7414	
Email: awallace@wightman-env.com			
PROJECT	Niles Dam	Job #: 140013	
PROJECT DESCRIPTION	PROJECT CODE		
Sample #1		PLM Bulk	PLM Point Count
Sample #2		PCM Air	TEM Bulk
Sample #3		PLM Gravimetric	TEM Air
Sample #4			Lead Paint
Sample #5			Lead Wipe
Sample #6			Lead Soil
Sample #7			Lead Air
Sample #8			Other Analysis
Sample #9			
Sample #10			
REMARKS:			
Relinquished By: [Signature]	Date / Time: 3/19/2014 5:00 pm	Received By: [Signature]	Date / Time: 3/19/14 10:20a
Relinquished By:	Date / Time:	Received By:	Date / Time:



**CAROLINA
ENVIRONMENTAL, INC.**

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

C14-0206
**CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS**

Client: Wightman Environmental, Inc.		Project Manager: Alex Wallace														
Address: 4050 King Dr, P.O. Box 95		Phone: 269-934-7707														
Sodus, MI 49126		Fax: 269-934-7414														
EMail: awallace@wightman-env.com																
PROJECT	Niles Dam	Job #: 140013														
PROJECT DESCRIPTION	PROJECT CODE			ASBESTOS							LEAD PAINT			TURN-AROUND TIME		
Sample #11				PLM Bulk	PLM Point Count	PLM Gravimetric	PCM Air	TEM Bulk*	TEM Air*	Lead Paint*	Lead Wipe*	Lead Soil*	Lead Air*	Other Analysis	<small>* Lead and TEM results require 48 Hour TAT or longer</small> <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 3 DAYS <input checked="" type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS* <input type="checkbox"/> 4 HOURS*	
Sample #12										X						
Sample #13										X						
Sample #14										X						
Sample #15										X						
Sample #16										X						
										X						
REMARKS:															CLIENT ID#	
															Samples will be disposed of 30 days after analysis, unless otherwise requested.	
															<input type="checkbox"/> Accept Samples	<input type="checkbox"/> Reject Samples
Relinquished By: <i>[Signature]</i>				Date / Time: 3/19/2014 5:00 pm				Received By:				Date / Time:				
Relinquished By:				Date / Time:				Received By:				Date / Time:				

Michigan
Department of
Community
Health



Healthy Homes Section

Alexander Wallace

Lead Inspector/Risk Assessor

Cert. number **P-05455**

Annual fee due by March 31, **2015**

*Appropriate refresher training and
exam must be taken to renew this
certification before March 31, **2017***

ENVIRONMENTAL AND TESTING SERVICES
4050 KING DRIVE
P.O. BOX 95
SODUS, MICHIGAN 49126-0095

May 1, 2014

Wightman & Associates, Inc.
2303 Pipestone Road
Benton Harbor, MI 49022

Attn: Mr. Oscar Loveless

**RE: POLYCHLORINATED BIPHENYL INSPECTION REPORT
PUCKER STREET DAM
NILES, MICHIGAN**

Dear Mr. Loveless:

The referenced site was inspected on March 18, 2014 for the presence of polychlorinated biphenyl's (PCBs) in oil compounds. During the inspection two sources of oil were identified: the large generator in the structure and a hydraulic pump.

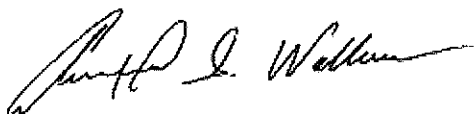
An oil sample was collected from the pan of the hydraulic pump and from a petcock valve on the side of the generator. Both oil samples were sent to an independent analytical laboratory for the analysis of PCBs. Both oil samples were found to be non-detect for PCBs.

A copy of both analytical laboratory reports has been attached to this report as well as pictures showing the sample locations.

We hope this report meets with your current needs. If you have any questions about this project please contact our offices at 269-934-7707.

Sincerely,

Wightman Environmental, Inc.



Alexander S. Wallace



Petcock valve on side of generator where oil sample was collected

Hydraulic pump tank from where oil sample was collected





1049 - 28th Street SE
Grand Rapids, MI 49508

Ph: 616/248-4900

Toll Free: 800/362-LABS

Fax: 616/248-4904

March 25, 2014

Alex Wallace
Wightman Environmental
4050 King Dr.
PO Box 95
Sodus, MI 49126

TEL: (269) 470-0466

FAX (269) 934-7414

RE: Pucker St. Dam

Dear Alex Wallace:

Order No.: 1403069

BIO-CHEM Laboratories, Inc. received 1 sample on 3/19/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Please note that unless otherwise instructed, residual samples will be held for sixty (60) days from the original report date. At that time, all non-hazardous samples will be disposed of in accordance with federal, state and local regulations and ordinances, and hazardous samples shall be returned to you. Please contact the laboratory within thirty (30) days if other arrangements for sample retention need to be made.

Sincerely,

Cindy Euwema
Office Manager

1403069
and Rapids, MI 49508
Free: 800-362-LABS
Fax: (616) 248-4904

Chain of Custody

BioChem
LABORATORIES, INC.

[illegible]

BIO-CHEM Laboratories, Inc.

Date: 25-Mar-14

CLIENT: Wightman Environmental
Project: Pucker St. Dam
Lab Order: 1403069

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received
1403069-01A	Sample #1	Oil	3/18/2014	3/19/2014

CLIENT: Wightman Environmental**Project:** Pucker St. Dam**Lab Order:** 1403069**CASE NARRATIVE**

Samples are routinely analyzed using methods outlined in the following references:

(SW) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Ed.

(E) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.

(A) Standard Methods for the Examination of Water and Wastewater, APHA, 18th Ed.

(D) Annual Book of ASTM Standards.

Specific methods utilized for this project are provided in the analytical report and are identified by the reference document abbreviation () followed by the method number.

All QA/QC and sample analyses met method, laboratory and/or regulatory data quality objectives unless otherwise specified below.

No data qualifications required.

BIO-CHEM Laboratories, Inc.

Date: 3/25/2014

ANALYTICAL REPORT

CLIENT: Wightman Environmental
Lab Order: 1403069
Project: Pucker St. Dam
Lab Sample ID: 1403069-01A

Project Number: 140013
Client Sample ID: Sample #1
Collection Date: 3/18/2014
Matrix: OIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
PCBs in Oil by GC/ECD								
1. Aroclor 1016	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
2. Aroclor 1221	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
3. Aroclor 1232	SW8082	< 4.0		4.0	mg/Kg	1	LEB	3/24/2014
4. Aroclor 1242	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
5. Aroclor 1248	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
6. Aroclor 1254	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
7. Aroclor 1260	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
8. Aroclor 1262	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014
9. Aroclor 1268	SW8082	< 2.0		2.0	mg/Kg	1	LEB	3/24/2014

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

This report shall not be reproduced except in full, without the written approval of BIO-CHEM Laboratories, Inc.

1 of 1

Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

3/25/2014

Lab Order: 1403069
Client: Wightman Environmental
Project: Pucker St. Dam

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
-----------	------------------	--------	-----------	-----------------	-------------------	-----------	----------	------------------	------------------

1403069-01A	Sample #1	Oil	PCBs in Oil by GC/ECD	3/18/2014		3/21/2014	36308	3/24/2014	GC_E_FID_140324A
-------------	-----------	-----	-----------------------	-----------	--	-----------	-------	-----------	------------------



1049 - 28th Street SE
Grand Rapids, MI 49508

Ph: 616/248-4900

Toll Free: 800/362-LABS

Fax: 616/248-4904

April 03, 2014

Alex Wallace
Wightman Environmental
4050 King Dr.
PO Box 95
Sodus, MI 49126

TEL: (269) 470-0466

FAX (269) 934-7414

RE: Pucker St. Dam

Dear Alex Wallace:

Order No.: 1403111

BIO-CHEM Laboratories, Inc. received 1 sample on 3/28/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Please note that unless otherwise instructed, residual samples will be held for sixty (60) days from the original report date. At that time, all non-hazardous samples will be disposed of in accordance with federal, state and local regulations and ordinances, and hazardous samples shall be returned to you. Please contact the laboratory within thirty (30) days if other arrangements for sample retention need to be made.

Sincerely,

Rob Stevens
Laboratory Director



Chain of Custody

1049 28th Street SE • Grand Rapids, MI 49508
Ph: (616) 248-4900 • Toll Free: 800-362-LABS
Fax: (616) 248-4904

Firm Name Wrightman Environmental		Turn around time Normal		Project Name Packer St. Drain		State Samples Taken From MI		Contact Person Alex Wallace		Sample Description (sample type: water, soil, other) OIL		Number of Containers 1		Analysis Desired (One per line) PCBs		Date Due		Project Number 140014	
Firm Address 4050 King Dr.		City, State, Zip Spartanburg, SC 29126		Phone 269-934-7707		Fax 269-934-7414		Client Sample Number Sample #2		Date Taken 3/19/14		Time Taken 4:00p		Time		Date		Laboratory use only	
Lab I.D.		Client Sample Number		Date Taken		Time Taken		Sample Description		Number of Containers		Analysis Desired		Date Due		Project Number		Laboratory use only	
1		2		3		4		5		6		7		8		9		10	
Released by [Signature]		Received by [Signature]		Date 3/19/14		Time 4:30		Date		Time		Date		Time		Date		Laboratory use only	
																		Blue Ice <input type="checkbox"/>	
																		<input checked="" type="checkbox"/> Regular Ice	
																		<input type="checkbox"/> No Coolant	

BIO-CHEM Laboratories, Inc.**Date:** 03-Apr-14

CLIENT: Wightman Environmental
Project: Pucker St. Dam
Lab Order: 1403111

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received
1403111-01A	Sample #2	Oil	3/19/2014	3/28/2014

BIO-CHEM Laboratories, Inc.**Date:** 03-Apr-14**CLIENT:** Wightman Environmental**Project:** Pucker St. Dam**Lab Order:** 1403111**CASE NARRATIVE**

Samples are routinely analyzed using methods outlined in the following references:

(SW) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Ed.

(E) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.

(A) Standard Methods for the Examination of Water and Wastewater, APHA, 18th Ed.

(D) Annual Book of ASTM Standards.

Specific methods utilized for this project are provided in the analytical report and are identified by the reference document abbreviation () followed by the method number.

All QA/QC and sample analyses met method, laboratory and/or regulatory data quality objectives unless otherwise specified below.

No data qualifications required.

BIO-CHEM Laboratories, Inc.

Date: 4/3/2014

ANALYTICAL REPORT**CLIENT:** Wightman Environmental**Project Number:** 140014**Lab Order:** 1403111**Client Sample ID:** Sample #2**Project:** Pucker St. Dam**Collection Date:** 3/19/2014**Lab Sample ID:** 1403111-01A**Matrix:** OIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
PCBs in Oil by GC/ECD								
1. Aroclor 1016	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
2. Aroclor 1221	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
3. Aroclor 1232	SW8082	< 4.0		4.0	mg/Kg	1	LEB	4/2/2014
4. Aroclor 1242	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
5. Aroclor 1248	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
6. Aroclor 1254	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
7. Aroclor 1260	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
8. Aroclor 1262	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014
9. Aroclor 1268	SW8082	< 2.0		2.0	mg/Kg	1	LEB	4/2/2014

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL; Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

This report shall not be reproduced except in full, without the written approval of BIO-CHEM Laboratories, Inc.

1 of 1

Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

4/3/2014

Lab Order: 1403111

Client: Wightman Environmental

Project: Pucker St. Dam

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1403111-01A	Sample #2	Oil	PCBs in Oil by GC/ECD	3/19/2014		4/1/2014	36343	4/2/2014	GC_G_ECD1_140402A