

**ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES
MINGO JUNCTION STEEL WORKS PARCEL F
(ELECTRICAL UTILITY MAINTENANCE BUILDING)
NORTH MAIN STREET
WEIRTON, HANCOCK COUNTY, WEST VIRGINIA**

Prepared For:

**BUSINESS DEVELOPMENT CORPORATION
OF THE NORTHERN PANHANDLE
WEIRTON, WEST VIRGINIA**

Prepared By:

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
EXPORT, PENNSYLVANIA**

CEC Project 164-123.2H2M

November 2017

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1.0 INTRODUCTION AND BACKGROUND

1.1 INTRODUCTION

This Analysis of Brownfields Cleanup Alternatives (ABCA) for the Mingo Junction Steel Works North Weirton Parcel F – Electrical Utility Maintenance Building (Site) was prepared by Civil & Environmental Consultants, Inc. (CEC) on behalf of the current Site owner, the Business Development Corporation of the Northern Panhandle (BDC). The BDC plans to submit an application to the U.S. Environmental Protection Agency (USEPA) for a Brownfields Cleanup Grant to be used for cleanup of the Site.

1.2 SITE DESCRIPTION AND HISTORICAL USE

The Site covers approximately 0.3 acres and is located along North Main Street in the City of Weirton, Hancock County, West Virginia. The Site contains the former Electrical Utility Maintenance Building, a 13,000 square foot steel framed bloc and brick structure with concrete foundations and floors. The Site is located in a mixed-use area consisting of commercial, industrial and residential properties. The Site layout is shown on Figure 1.

The Electrical Utility Maintenance Building was constructed in the early 1900s as part of the former Weirton Steel facility. The building was historically used to store supplies and perform maintenance on equipment related to the facility iron and steel making operations. The iron and steel making operations of the facility ceased around 2011 and the Maintenance Building has remained vacant since that time.

1.3 PREVIOUS SITE INVESTIGATION AND REMEDIATION ACTIVITIES

CEC performed a Phase I Environmental Site Assessment (ESA) of the Site in November 2017. No Recognized Environmental Conditions (RECs) were identified. However, the Phase I ESA did identify the potential for asbestos-containing materials (ACM) given the age and construction of the building.

Mid Atlantic Environmental Consultants, Inc., a West Virginia-licensed asbestos inspector, completed an ACM survey in October 2017. Sixty (60) samples of suspect ACM were collected and analyzed for asbestos. Asbestos was identified in 17 samples associated primarily with pipe wrap/insulation and transite. Some of the identified ACM is friable and creates a potential health hazard. Excerpts from Mid Atlantic's ACM survey report are provided in Appendix A. This ABCA addresses the abatement of ACM that is required prior to the renovation and reuse of the building.

1.4 SITE RE-USE PLANS

The BDC has been in contact with a prospective purchaser that has interest in repurposing the Site as a metal manufacturing/fabricating operation and chemical processing facility. Other potential reuses include operations to support the growing natural gas industry in the Ohio River Valley.

DRAFT

2.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

The asbestos removal and renovation work will be performed in accordance with the requirements of West Virginia Code 45CSR15 and 64CSR63. All required notifications will be made and the work will be performed by a West Virginia Bureau of Public Health licensed asbestos contractor. The lead-contaminated debris that will result from the demolition of the ticket booth will be disposed at an off-site permitted landfill in accordance with 40CFR260 and other applicable laws and regulations.

DRAFT

3.0 EVALUATION OF CLEANUP ALTERNATIVES

3.1 CLEANUP ALTERNATIVES AND ESTIMATED COSTS

Removing the ACM prior to renovating the building is required by West Virginia law. There are no other viable alternatives (other than no action, in which case the building could not be renovated and reused according to current plans).

The estimated cost to complete the ACM removal is as follows:

Work Plan and Notifications.....	\$1,500
ACM Removal/Disposal.....	\$136,000
Third Party Air Sampling.....	\$2,000
Project Management	\$3,000
Total	\$142,500

Contractor proposals that were used as the basis for the above cost estimates are provided in Appendix B.

3.2 RECOMMENDED CLEANUP ALTERNATIVE

Again, removing the ACM prior to renovation is the only viable alternative.

3.3 CONSIDERATION OF CHANGING CLIMATE

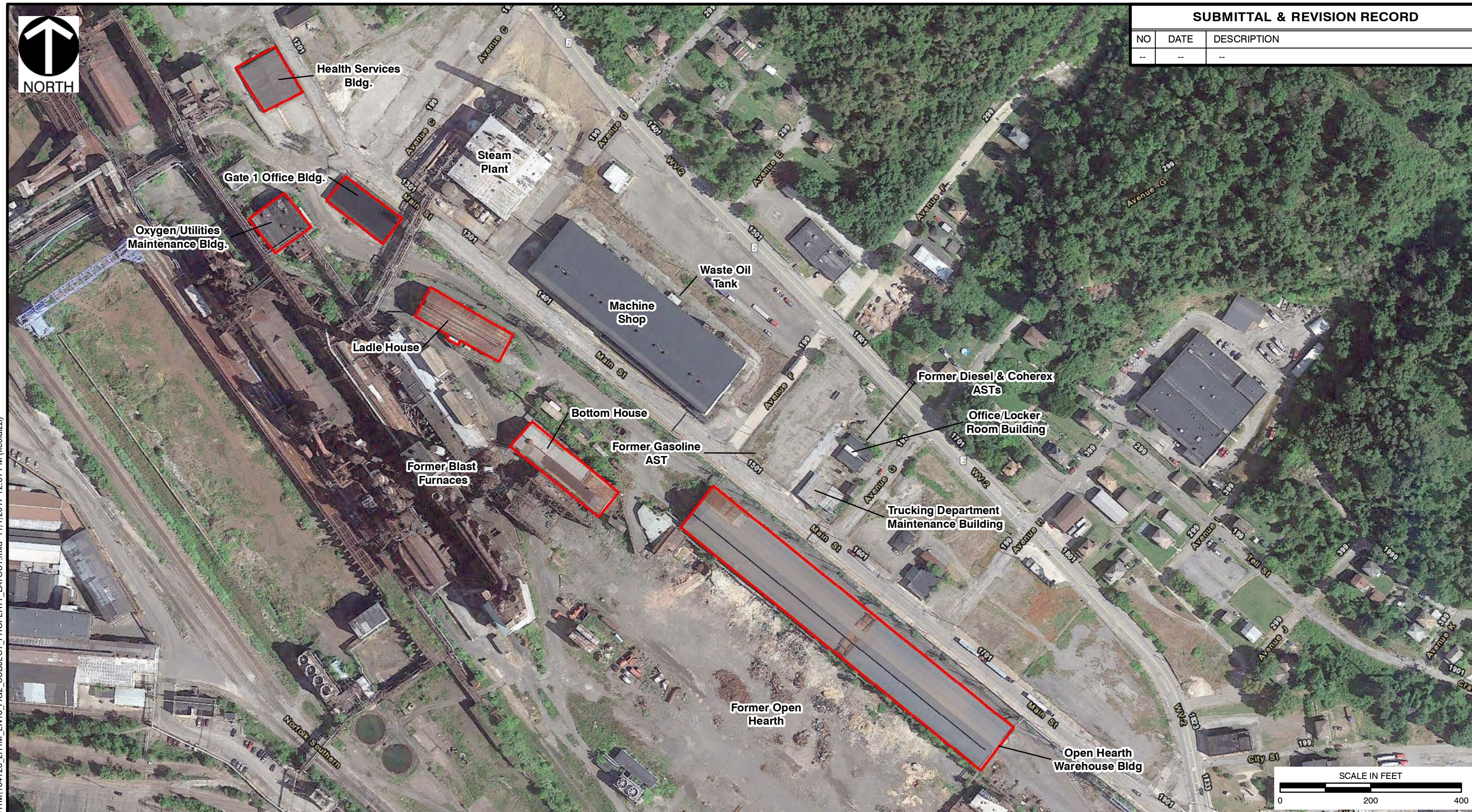
Given the short duration and permanent nature of the project, the effects of climate change will not be a factor.

FIGURE



SUBMITTAL & REVISION RECORD

NO	DATE	DESCRIPTION
--	--	--



LEGEND



APPROXIMATE SUBJECT PROPERTY

REFERENCE

1. AERIAL PHOTOGRAPHY COPYRIGHT
GOOGLE EARTH PRO, EXPORTED 02/16/2017
IMAGERY DATE 08/21/2015.



Civil & Environmental Consultants, Inc.

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BUSINESS DEVELOPMENT CORPORATION OF
THE NORTHERN PANHANDLE
WEIRTON NORTH PROPERTY
WEIRTON, HANCOCK COUNTY, WEST VIRGINIA

SUBJECT PROPERTY LAYOUT MAP

DRAWN BY:

KMC

CHECKED BY:

EAS

APPROVED BY:

DRAFT*

FIGURE NO:
* Hand signature
on file

2

DATE:

11/01/2017

SCALE:

1" = 200'

PROJECT NO:

164-123.2H1M

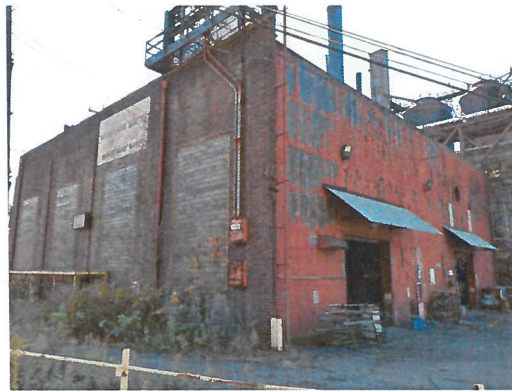
DRAFT

APPENDIX A

EXCERPT FROM ASBESTOS SURVEY REPORT



MINGO JUNCTION STEEL WORKS
NORTH END BUILDINGS
MAINTENANCE BUILDING
WEIRTON, WEST VIRGINIA
(HANCOCK COUNTY)



ASBESTOS SURVEY REPORT

MID ATLANTIC JOB NUMBER: CEC-17-21

OCTOBER 2017

PREPARED FOR:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
4000 TRIANGLE LANE
SUITE 200
EXPORT, PA 15632

PREPARED BY:

MID ATLANTIC ENVIRONMENTAL CONSULTANTS, INC.
5320 N. PIONEER ROAD
GIBSONIA, PA 15044
(724) 444-3460 – OFFICE
(724) 444-3463 – FAX
midatlantic@zoominternet.net – EMAIL



5320 North Pioneer Road
Gibsonia, PA 15044
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Email: midatlantic@zoominternet.net

November 2, 2017

Civil & Environmental Consultants
4000 Triangle Lane
Suite 200
Export, PA 15632

Attn: Mr. Dave Olson

Re: Summary of Asbestos Building Survey – Maintenance Building

To Whom It May Concern:

On Thursday, October 19th, 2017, Mid Atlantic Environmental Consultants, Inc. mobilized and implemented an asbestos demolition survey of the Former Maintenance Building located at the Mingo Junction Steel Facility (North End Buildings) in Weirton, West Virginia. The purpose of this survey was to identify any asbestos containing building materials that may impact the potential future demolition of the building. All visible and accessible suspect asbestos containing building materials were retrieved and analyzed by Polarized Light Microscopy (PLM) with dispersion staining techniques. An asbestos inspection report indicating the results of the survey is enclosed. Mr. Edgar King, an EPA / West Virginia Certified Asbestos Inspector, conducted all survey work. This survey and report are for informational purposes only and are based on the best available information at the time of the survey. The information is intended to provide a basis to solicit bids and develop a plan for abatement work. Additional ACMs may be present which are not able to be identified during the survey. Once abatement and / or demolition activities begin and areas are exposed, additional ACMs may be discovered. A change in the scope of services to identify and categorize additional ACMs may be required.

We appreciate the opportunity to assist Civil & Environmental Consultants, Inc. with this project and look forward to assisting you on future assignments. Should you have any further questions or concerns do not hesitate to contact us at (724) 444-3460 or by e-mail at midatlantic@zoominternet.net.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Edgar J. King'.

Edgar J. King
Asbestos Building Inspector
WV License # AI009156

A handwritten signature in blue ink, appearing to read 'Timothy E. Daniels'.

Timothy E. Daniels
Managing Partner
WV License #: AD003952

North End Buildings - Former Maintenance Building

Mid Atlantic Environmental Consultants, Inc. (MAEC) was retained by Civil & Environmental Consultants, Inc. to conduct an asbestos demolition survey at the Former Maintenance Building located at the Mingo Junction Steel Facility (North End Buildings) in Weirton, West Virginia (Hancock County). Mid Atlantic representative Mr. Edgar King, accompanied by Mr. Dennis Smith, performed the visual inspection and collection of suspect asbestos containing building materials. Mr. King is an EPA / West Virginia Certified Asbestos Inspector (License #: AI009156).

At the time of Mid Atlantic's on-site investigation / asbestos survey, the Former Maintenance Building was un-occupied and in poor condition. The building has been vacant for a number of years and some delamination of the existing building structure has occurred. MAEC's survey team, to the best of their ability, performed this asbestos survey for due diligence purposes given the existing conditions of the building. The purpose of this survey was to identify any suspect asbestos containing building materials (including the rooftop) that may impact planned future demolition of the building.

Bulk samples of suspect asbestos containing building materials were collected throughout the building and from the rooftops. A total of fifty-four (54) samples, (60) including splits were collected at this time. Of those samples, seventeen (17) were identified as being ACM. An asbestos containing material is defined as any material containing greater than one percent (>1%) asbestos. For a summary of all identified ACM, refer to Table 1—Asbestos Containing Materials. The complete listing of materials sampled is indicated in Appendix A—Building Inspection Results. Refer to Appendix B- for Sample Location Diagrams.

TABLE 1—ASBESTOS CONTAINING MATERIALS

MATERIAL	LOCATION	APPROX. QUANTITY	FRIABLE / NON-FRIABLE	ASBESTOS CONTENT
White Insulation	Maintenance Building 1 st Floor Labeled Asbestos Blue Painted 12" Pipe	200 Ln Ft Visible	Friable	15 % Chrysotile 35% Amosite
Grey Transite	Maintenance Building Basement Electrical Room In Electrical Boxes	100 Sq Ft	Non-Friable	25 % Chrysotile
Orange / Black Tar Paper / Insulation	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	210 Ln Ft Visible	Friable	15 % Chrysotile
Orange / Black Tar Paper / Insulation	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	210 Ln Ft Visible	Friable	15-20 % Chrysotile
Orange / White Insulation	Maintenance Building Basement Orange Painted 8" Not Labeled	80 Ln Ft Visible	Non-Friable	15-25 % Chrysotile 30-35% Amosite

North End Buildings - Former Maintenance Building

AmeriSci Laboratories of Richmond, Virginia analyzed the bulk samples by Polarized Light Microscopy (PLM) methods. PLM analysis utilizes dispersion staining techniques as described by the Environmental Protection Agency (EPA) Method 600/M4-82-020. Refer to Appendix C for laboratory analysis results.

All asbestos abatement work should be conducted by a licensed asbestos abatement contractor prior to implementing any demolition activity procedures. Prior to the initiation of any asbestos abatement work, ensure that all of the delegated state and local pollution control agencies in the area and / or the EPA regional office are notified.

Refer to appendices for further information.

Appendix A—Building Inspection Results

Appendix B—Sample Location Diagrams

Appendix C—Laboratory Analysis Results

Appendix D—Accreditation

Should you have any further questions, feel free to contact our office at (724) 444-3460.

DISCLAIMER

DATE OF ISSUE— November 2, 2017

This asbestos survey report was prepared by Mid Atlantic Environmental Consultants, Inc. The purpose of this survey is to provide general information for the potential upcoming demolition project related to the Former Maintenance Building located at the Mingo Junction Steel Facility (North End Buildings) in Weirton, West Virginia regarding the presence of accessible and / or exposed building materials (including the roofs) that commonly contain asbestos. There is the distinct possibility that conditions exist which could not be identified within the scope of the study or which were not apparent during the site visit. Unexposed and / or physically inaccessible areas are not warranted in regards to this specific asbestos survey. No warranties expressed or implied are made by Mid Atlantic or its employees, as to the use of any information, apparatus, product or process, disclosed in this report. If project bidding is to be performed in regards to asbestos abatement, it is recommended that all potential abatement contractors re-quantify all given quantities provided in this report. All given quantities of building materials are approximations only. This report is provided for the sole purpose of identifying visible / accessible asbestos containing building materials as outlined herein.

Appendix A – Building Inspection Results

Mid Atlantic Environmental Consultants, Inc.
 5320 N. Pioneer Road
 Gibsonsia, PA 15044
 (724) 444-3460 Phone (724) 444-3463 Fax
 Email: midatlantic@zoominternet.net

Building Inspection Results

Client: Civil & Environmental Consultants, Inc. Date: October 19, 2017
 Project: Mingo Junction Steel Works – North End Buildings Inspector: Edgar King
 Maintenance Building – Weirton, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-21

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
01A	Maintenance Building Trailer Left Rear of Building	Grey 12 x 12 Floor Tile	480 Sq Ft (A)	Poor	High	None
01B	Maintenance Building Trailer Left Rear of Building	Transparent Yellow Floor Tile Adhesive	(A)	Poor	High	None
02A	Maintenance Building Trailer Left Rear of Building	Grey 12 x 12 Floor Tile	(A)	Poor	High	None
02B	Maintenance Building Trailer Left Rear of Building	Transparent Yellow Floor Tile Adhesive	(A)	Poor	High	None
03A	Maintenance Building Trailer Left Rear of Building	Grey 12 x 12 Floor Tile	(A)	Poor	High	None
03B	Maintenance Building Trailer Left Rear of Building	Transparent Yellow Floor Tile Adhesive	(A)	Poor	High	None
04	Maintenance Building Trailer Left Rear of Building	White / Brown Ceiling Panels	480 Sq Ft (B)	Poor	High	None
05	Maintenance Building Trailer Left Rear of Building	White / Brown Ceiling Panels	(B)	Poor	High	None
06	Maintenance Building Trailer Left Rear of Building	White / Brown Ceiling Panels	(B)	Poor	High	None
07	Maintenance Building Trailer Left Rear of Building Windows	Clear Window Caulking	6 Windows @ 12 Ln Ft Each (C)	Poor	High	None

Please be advised that the letter / symbol under the approximate quantities column denotes approximate duplicate quantities through-out this survey for that particular material.

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
08	Maintenance Building Trailer Left Rear of Building Windows	Clear Window Caulking	(C)	Poor	High	None
09	Maintenance Building Trailer Left Rear of Building Windows	<i>*Insufficient amount material. Not analyzed.</i>	(C)	Poor	High	NA
10A	Maintenance Building Trailer Right Rear of Building	Grey 12 x 12 Floor Tile	480 Sq Ft (D)	Poor	High	None
10B	Maintenance Building Trailer Right Rear of Building	Transparent Yellow Floor Tile Adhesive	(D)	Poor	High	None
11A	Maintenance Building Trailer Right Rear of Building	Grey 12 x 12 Floor Tile	(D)	Poor	High	None
11B	Maintenance Building Trailer Right Rear of Building	Transparent Yellow Floor Tile Adhesive	(D)	Poor	High	None
12A	Maintenance Building Trailer Right Rear of Building	Grey 12 x 12 Floor Tile	(D)	Poor	High	None
12B	Maintenance Building Trailer Right Rear of Building	Transparent Yellow Floor Tile Adhesive	(D)	Poor	High	None
13	Maintenance Building Trailer Right Rear of Building	White / Brown Ceiling Panels	480 Sq Ft (E)	Poor	High	None
14	Maintenance Building Trailer Right Rear of Building	White / Brown Ceiling Panels	(E)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
15	Maintenance Building Trailer Right Rear of Building	White / Brown Ceiling Panels	(E)	Poor	High	None
16	Maintenance Building Trailer Right Rear of Building Windows	Clear Window Caulking	6 Windows @ 12 Ln Ft Each (F)	Poor	High	None
17	Maintenance Building Trailer Right Rear of Building Windows	Clear Window Caulking	(F)	Poor	High	None
18	Maintenance Building Trailer Right Rear of Building Windows	Clear Window Caulking	(F)	Poor	High	None
19	Maintenance Building 1 st Floor Labeled Non-Asbestos 6" Pipe	Black / White Tar Paper / Insulation	800 Ln Ft Visible (G)	Poor	High	None
20	Maintenance Building 1 st Floor Labeled Non-Asbestos 6" Pipe	Black / White Tar Paper / Insulation	(G)	Poor	High	None
21	Maintenance Building 1 st Floor Labeled Non-Asbestos 6" Pipe	Black / White Tar Paper / Insulation	(G)	Poor	High	None

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SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
22	Maintenance Building 1 st Floor Labeled Asbestos Blue Painted 12" Pipe	White Insulation	200 Ln Ft Visible (H)	Poor	High	50 %
23	Maintenance Building 1 st Floor Labeled Asbestos Blue Painted 12" Pipe	White Insulation	(H)	Poor	High	50 %
24	Maintenance Building 1 st Floor Labeled Asbestos Blue Painted 12" Pipe	White Insulation	(H)	Poor	High	50 %
25	Maintenance Building 1 st Floor Break Room	Tan 12 x 12 Floor Tile	200 Sq Ft (I)	Poor	High	None
26	Maintenance Building 1 st Floor Break Room	Tan 12 x 12 Floor Tile	(I)	Poor	High	None
27	Maintenance Building 1 st Floor Break Room	Tan 12 x 12 Floor Tile	(I)	Poor	High	None
28	Maintenance Building Basement Electrical Room In Electrical Boxes	Grey Transite	100 Sq Ft (J)	Poor	High	25 %
29	Maintenance Building Basement Electrical Room In Electrical Boxes	Grey Transite	(J)	Poor	High	25 %
30	Maintenance Building Basement Electrical Room In Electrical Boxes	Grey Transite	(J)	Poor	High	25 %
31	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Black Tar Paper / Insulation	210 Ln Ft Visible (K)	Poor	High	15 %

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Building Inspection Results

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 Maintenance Building – Weirton, West Virginia EPA / West Virginia Lic. No: AI009156
 Job Number: CEC-17-21

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
32	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Black Tar Paper / Insulation	210 Ln Ft Visible (L)	Poor	High	15 %
33	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange Insulation	210 Ln Ft (M)	Poor	High	None
34	Maintenance Building Basement Orange Painted 8" Not Labeled	Orange / White Insulation	80 Ln ft Visible (N)	Poor	High	55 %
35	Maintenance Building Basement Orange Painted 8" Not Labeled	Orange / White Insulation	(N)	Poor	High	55 %
36	Maintenance Building Basement Orange Painted 8" Not Labeled	Orange / White Insulation	(N)	Poor	High	55 %
37	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Yellow Insulation	(K)	Poor	High	25 %
38	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Yellow Insulation	(L)	Poor	High	20 %
39	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Yellow Insulation	(K)	Poor	High	20 %
40	Maintenance Building Basement Orange Painted 4" Labeled Non-Asbestos	Orange / Yellow Insulation	(L)	Poor	High	20 %

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 Job Number: CEC-17-21

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
41	Maintenance Building Basement Orange Painted 4" Labeled Asbestos	Orange / White Insulation	(M)	Poor	High	55 %
42	Maintenance Building Basement Orange Painted 4" Labeled Asbestos	Orange / White Insulation	(M)	Poor	High	55 %
43	Maintenance Building Basement 4" Not Painted or Labeled	Black / White Insulation	270 Ln Ft Visible (N)	Poor	High	None
44	Maintenance Building Basement 4" Not Painted or Labeled	Black / White Insulation	(N)	Poor	High	None
45	Maintenance Building Basement 4" Not Painted or Labeled	Black / White Insulation	(N)	Poor	High	None
46	Maintenance Building Roof Larger Area	Brown Roofing	5,100 Sq Ft (O)	Poor	High	None
47	Maintenance Building Roof Larger Area	Brown Roofing	(O)	Poor	High	None
48	Maintenance Building Roof Larger Area	Brown Roofing	(O)	Poor	High	None
49	Maintenance Building Roof Smaller Center Area	Black / Yellow Roofing	3,100 Sq Ft (P)	Poor	High	None
50	Maintenance Building Roof Smaller Center Area	Black / Yellow Roofing	(P)	Poor	High	None

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 Job Number: CEC-17-21

SAMPLE	LOCATION	DESCRIPTION	APPROX QUANTITY	CONDITION	POTENTIAL FOR DAMAGE	ASBESTOS CONTENT
51	Maintenance Building Roof Smaller Center Area	Black / Yellow Roofing	(P)	Poor	High	None
52	Maintenance Building Exterior on Metal Front Wall	Brown / Black Paint	5,100 Sq Ft (Q)	Poor	High	None
53	Maintenance Building Exterior on Metal Front Wall	Brown / Black Paint	(Q)	Poor	High	None
54	Maintenance Building Exterior on Metal Front Wall	Brown / Black Paint	(Q)	Poor	High	None

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ASBESTOS INSPECTION QUESTIONNAIRE

DATE of inspection: 10-19-17 INSPECTOR: Edgar King

CLIENT: CEC

LOCATION: Mingo Junction steel North End Bldgs (maint shop)

ADDRESS: Weirton W.V.

COUNTY: Hancock

Please circle one—

Purpose of survey: Demolition Renovation Real estate transaction Other
If other, explain _____

This survey is Complete Limited
If limited, explain _____

The building is currently Occupied Unoccupied

The general condition of the building is Good Fair Poor

Number of buildings included in the survey 1

Number of floors in the building 4

Main exterior building component (i.e. yellow brick, concrete block, etc...) Brick

Please answer yes or no.

Was the basement included? yes

Was the attic included? NA

Was the roof included? yes

Is a map included? yes

Were any areas inaccessible? NO If yes, explain _____

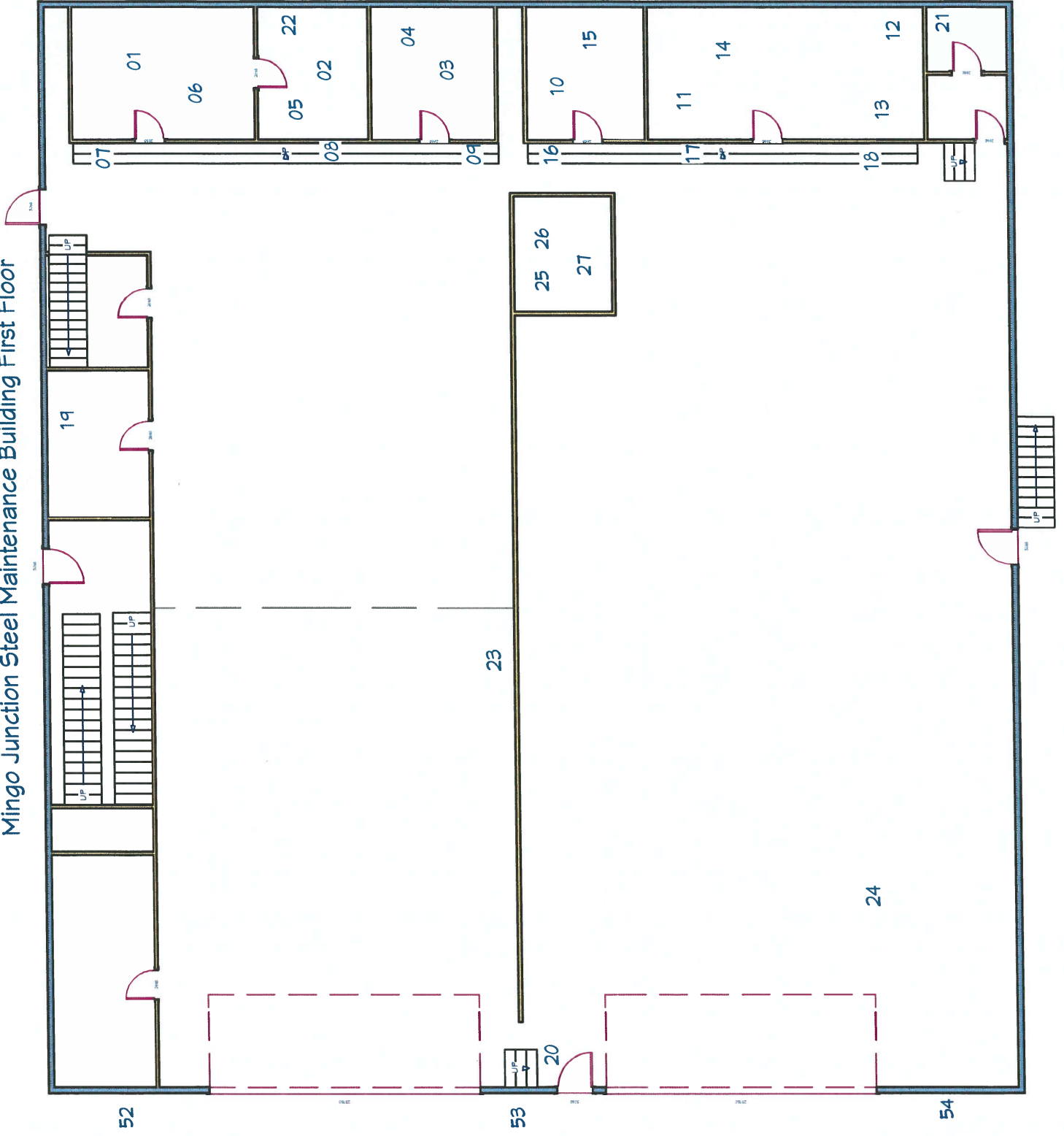
Were you accompanied by anyone yes If yes, who Dennis Smith

Were any commonly found materials, not present? (Floor tile, plaster, window caulking, etc...)? yes If yes, list and explain NO Plaster, Caulking or Glazing.

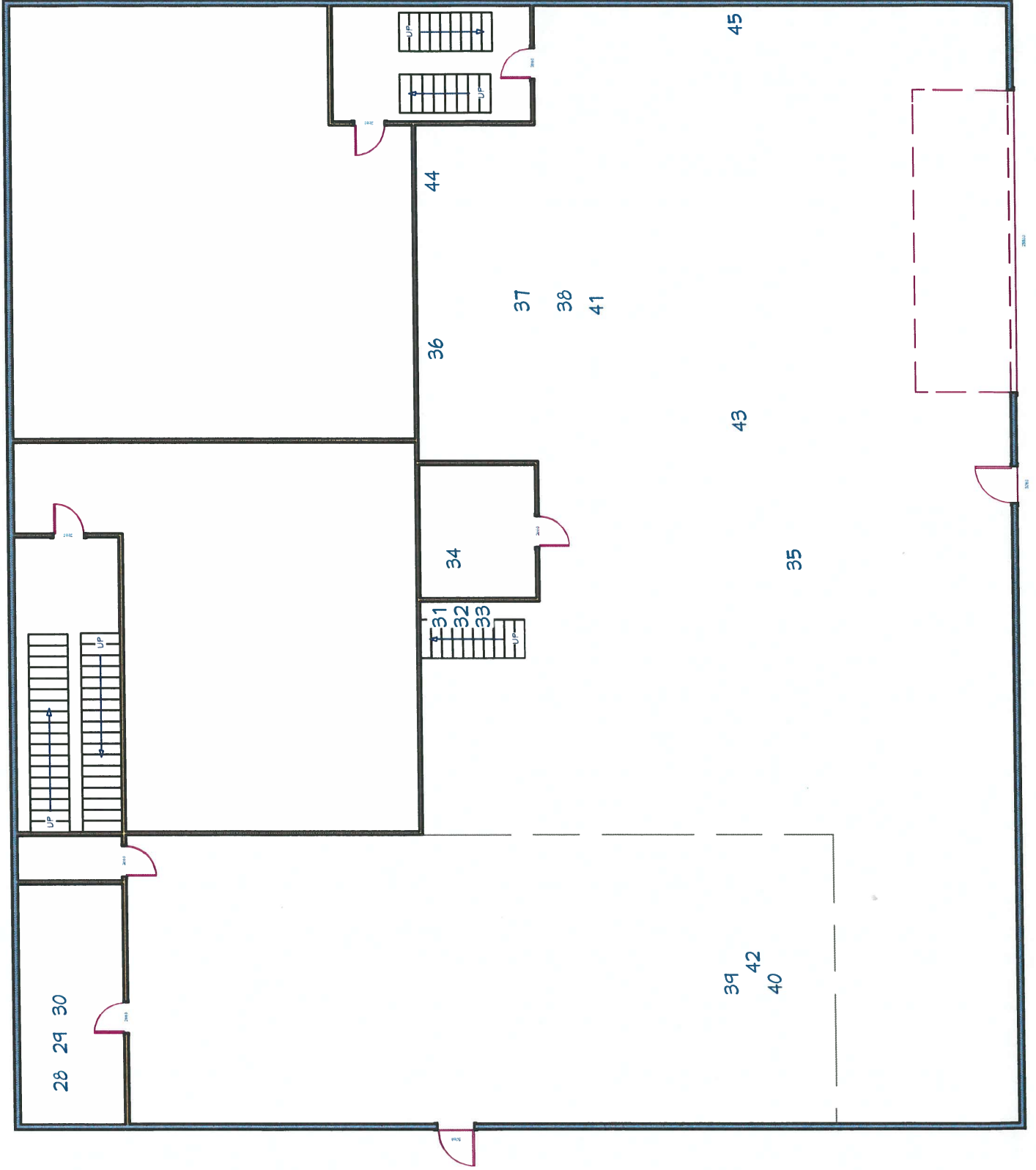
Any other important / relevant observations:

Appendix B – Sample Location Diagrams

Mingo Junction Steel Maintenance Building First Floor



Mingo Junction Steel Maintenance Building Basement



Mingo Junction Steel Maintenance Building Roof

47

48

51

49

50

46

Appendix C – Laboratory Analysis Results



5320 N. Pioneer Road
Gibsonia, PA 15044
Phone: 724-444-3460 Fax: 724-444-3463

117101884

Chain of Custody Form

SAMPLE	LAB ID NUMBER	TYPE OF ANALYSIS	TURNAROUND TIME
01		PLM Asbestos	standard
54			

Project Site: Mingo Junction Steel Mill ^{Maint Bldg} Sampler Signature: [Signature] JN# CEC-17-01
Client / Address: CEC Phone: _____ Fax: _____
Relinquished By: Edgar King Date: 10-20-17 Time: 0600
Relinquished By: [Signature] Date: 10/20/17 Time: 8:08 am
Received By (AmeriSci) _____ Date: _____ Time: _____

Additional Information:

- Please indicate Mid Atlantic's job # on all results and invoices
- Email results to midatlantic@zoominternet.net

RECEIVED

OCT 23 2017

By [Signature]



Please Reply To:

AmeriSci Richmond

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

FACSIMILE TELECOPY TRANSMISSION

To: Tim Daniels
Mid Atlantic Environmental Consultants, Inc
Fax #:
Email: MIDATLANTIC@ZOOMINTERNET.NET

From: J. Samuel Baird
AmeriSci Job #: 117101884
Subject: PLM 5 day Results
Client Project: CEC-17-21; CEC; Mingo Junction
Steel Weirton Maint Bldg

Date: Monday, October 30, 2017
Time: 14:56:35
Comments:

Number of Pages: 17
(including cover sheet)



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PLM Bulk Asbestos Report

Mid Atlantic Environmental Consultants, **Date Received** 10/23/17 **AmeriSci Job #** 117101884
Attn: Tim Daniels **Date Examined** 10/27/17 **P.O. #**
5320 North Pioneer Road **Page** 1 **of** 11
RE: CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg
Gibsonia, PA 15044

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
01	117101884-01L1 Location: Maint Bldg Trailer Left Rear Of Bldg	No	NAD (by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
01	117101884-01L2 Location: Maint Bldg Trailer Left Rear Of Bldg	No	NAD (by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
02	117101884-02L1 Location: Maint Bldg Trailer Left Rear Of Bldg	No	NAD (by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			
02	117101884-02L2 Location: Maint Bldg Trailer Left Rear Of Bldg	No	NAD (by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
03	117101884-03L1 Location: Maint Bldg Trailer Left Rear Of Bldg	No	NAD (by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
03	117101884-03L2	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
04	117101884-04	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
05	117101884-05	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
06	117101884-06	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
07	117101884-07	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg Window			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Clear, Heterogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
08	117101884-08	No	NAD
Location: Maint Bldg Trailer Left Rear Of Bldg Window			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Clear, Heterogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09	117101884-09		NA
Location: Maint Bldg Trailer Left Rear Of Bldg Window			
Analyst Description: Insufficient Material			
Asbestos Types:			
Other Material:			
10	117101884-10L1	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES)
			by J. Samuel Baird
			on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
10	117101884-10L2	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES)
			by J. Samuel Baird
			on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
11	117101884-11L1	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES)
			by J. Samuel Baird
			on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
11	117101884-11L2	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES)
			by J. Samuel Baird
			on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
12	117101884-12L1	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES)
			by J. Samuel Baird
			on 10/27/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
12	117101884-12L2	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Transparent Yellow, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
13	117101884-13	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
14	117101884-14	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
15	117101884-15	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Ceiling Tile			
Asbestos Types:			
Other Material: Cellulose 100 %			
16	117101884-16	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg Windows			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Clear, Heterogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
17	117101884-17	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg Windows			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Clear, Heterogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
18	117101884-18	No	NAD
Location: Maint Bldg Trailer Right Rear Of Bldg Windows			(by CVES) by J. Samuel Baird on 10/27/17
Analyst Description: Clear, Heterogeneous, Non-Fibrous, Caulk			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
19	117101884-19	No	NAD
Location: Maint Bldg 1st FI Labeled Non Asb 6" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Non-fibrous 25 %			
20	117101884-20	No	NAD
Location: Maint Bldg 1st FI Labeled Non Asb 6" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Non-fibrous 25 %			
21	117101884-21	No	NAD
Location: Maint Bldg 1st FI Labeled Non Asb 6" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Non-fibrous 25 %			
22	117101884-22	Yes	50 %
Location: Maint Bldg 1st FI Labeled Non Asbestos Blue Painted 12" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %, Amosite 35.0 %			
Other Material: Non-fibrous 50 %			
23	117101884-23	Yes	50 %
Location: Maint Bldg 1st FI Labeled Non Asbestos Blue Painted 12" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %, Amosite 35.0 %			
Other Material: Non-fibrous 50 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
24	117101884-24	Yes	50 %
Location: Maint Bldg 1st FI Labeled Non Asbestos Blue Painted 12" Pipe			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %, Amosite 35.0 %			
Other Material: Non-fibrous 50 %			
25	117101884-25	No	NAD
Location: Maint Bldg 1st FI Labeled Break Room			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
26	117101884-26	No	NAD
Location: Maint Bldg 1st FI Labeled Break Room			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
27	117101884-27	No	NAD
Location: Maint Bldg 1st FI Labeled Break Room			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Floor Tile			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
28	117101884-28	Yes	25 %
Location: Maint Bldg Basement Electrical Room In Elect Boxes			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75 %			
29	117101884-29	Yes	25 %
Location: Maint Bldg Basement Electrical Room In Elect Boxes			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75 %			

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
30	117101884-30	Yes	25 %
Location: Maint Bldg Basement Electrical Room In Elect Boxes			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Non-fibrous 75 %			
31	117101884-31	Yes	15 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %			
Other Material: Cellulose 20 %, Fibrous glass 60 %, Non-fibrous 5 %			
32	117101884-32	Yes	15 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %			
Other Material: Cellulose 20 %, Fibrous glass 60 %, Non-fibrous 5 %			
33	117101884-33	No	NAD
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asbestos			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Fibrous glass 15 %, Non-fibrous 10 %			
34	117101884-34	Yes	50 %
Location: Maint Bldg Basement Orange Painted 8" Not Labeled			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 15.0 %, Amosite 35.0 %			
Other Material: Non-fibrous 50 %			
35	117101884-35	Yes	55 %
Location: Maint Bldg Basement Orange Painted 8" Not Labeled			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %, Amosite 30.0 %			
Other Material: Cellulose 15 %, Non-fibrous 30 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
36	117101884-36	Yes	55 %
Location: Maint Bldg Basement Orange Painted 8" Not Labeled			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %, Amosite 30.0 %			
Other Material: Cellulose 15 %, Non-fibrous 30 %			
37	117101884-37	Yes	25 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %			
Other Material: Cellulose 15 %, Fibrous glass 55 %, Non-fibrous 5 %			
38	117101884-38	Yes	20 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Cellulose 25 %, Fibrous glass 45 %, Non-fibrous 10 %			
39	117101884-39	Yes	20 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Cellulose 35 %, Fibrous glass 35 %, Non-fibrous 10 %			
40	117101884-40	Yes	20 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Non Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 20.0 %			
Other Material: Cellulose 35 %, Fibrous glass 35 %, Non-fibrous 10 %			
41	117101884-41	Yes	55 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %, Amosite 30.0 %			
Other Material: Cellulose 20 %, Non-fibrous 25 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
42	117101884-42	Yes	55 %
Location: Maint Bldg Basement Orange Painted 4" Labeled Asb			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Orange/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 25.0 %, Amosite 30.0 %			
Other Material: Cellulose 20 %, Non-fibrous 25 %			
43	117101884-43	No	NAD
Location: Maint Bldg Basement Not Painted On Labeled 4"			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 55 %, Fibrous glass 10 %, Non-fibrous 35 %			
44	117101884-44	No	NAD
Location: Maint Bldg Basement Not Painted On Labeled 4"			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 55 %, Fibrous glass 10 %, Non-fibrous 35 %			
45	117101884-45	No	NAD
Location: Maint Bldg Basement Not Painted On Labeled 4"			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 55 %, Fibrous glass 10 %, Non-fibrous 35 %			
46	117101884-46	No	NAD
Location: Maint Bldg Roof Longer Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			
47	117101884-47	No	NAD
Location: Maint Bldg Roof Longer Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
48	117101884-48	No	NAD
Location: Maint Bldg Roof Longer Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 95 %, Non-fibrous 5 %			
49	117101884-49	No	NAD
Location: Maint Bldg Roof Smaller Center Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Fibrous glass 15 %, Synthetic fibers 20 %, Non-fibrous 30 %			
50	117101884-50	No	NAD
Location: Maint Bldg Roof Smaller Center Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Fibrous glass 15 %, Non-fibrous 50 %			
51	117101884-51	No	NAD
Location: Maint Bldg Roof Smaller Center Area			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Black/Yellow, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Fibrous glass 20 %, Non-fibrous 45 %			
52	117101884-52	No	NAD
Location: Maint Bldg Exterior On Metal Front Wall			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown/Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
53	117101884-53	No	NAD
Location: Maint Bldg Exterior On Metal Front Wall			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown/Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Mid Atlantic Environmental Consultants, Inc

PLM Bulk Asbestos Report

CEC-17-21; CEC; Mingo Junction Steel Weirton Maint Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
54	117101884-54	No	NAD
Location: Maint Bldg Exterior On Metal Front Wall			(by CVES) by J. Samuel Baird on 10/30/17
Analyst Description: Brown/Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed by: J. Samuel Baird



Date: 10/27/2017 Reviewed by:



*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Appendix D – Accreditation



WEST VIRGINIA

Asbestos Program

Edgar J. King

IS LICENSED AS AN
ASBESTOS INSPECTOR

License # AI009156

Issued: 3/13/2017

Expires: 3/31/2018

Walter M. Dwyer

Director
WV OEHS



WEST VIRGINIA

Asbestos Program

Timothy E. Daniels

IS LICENSED AS AN
**ASBESTOS PROJECT
DESIGNER**

License # AD003952

Issued: 10/10/2017

Expires: 10/31/2018

Walter M. Dray

Director
WV OEHS



WEST VIRGINIA

Asbestos Program

**Mid-Atlantic Environmental
Consultants, Inc.**

IS LICENSED AS AN

**ASBESTOS LABORATORY -
AIR AND BULK**

License # LT000563

Issued: 5/31/2017

Expires: 5/31/2018

**Director
WV OEHS**

William M. Argy

State of West Virginia

Bureau for Public Health
Office of Environmental Health Services
Radiation, Toxics and Indoor Air Division

This is to certify that

Mid-Atlantic Environmental Consultants

5320 N. Pioneer Road

Gibsonia, PA 15044

Has complied with Chapter 16, Article 32, of the Asbestos Abatement Licensing Rules and Regulations and is hereby licensed as an Asbestos Air and Bulk Sample Analytical Laboratory.

Asbestos Laboratory License Number:

LT000563

Issued:

5/31/2017

Expires:

5/31/2018

Walter M. Ivey

**Walter M. Ivey, Director
Office of Environmental Health Services**

DRAFT

APPENDIX B

CONTRACTOR COST ESTIMATES
