

Aultman Project 2020 – City of Canton, Ohio

Exhibit "A"		Aultman Project 2020			
Address	Sq. Footage	Garage	Testing		
619 Arlington Ave SW	1308.00	N/A	See Report		
621 Arlington Ave SW	1751.00	Double	See Report		
627 Arlington Ave SW	1488.00	Double	See Report		
631 Arlington Ave SW	1564.00	Double	See Report		
Parcel #224158	N/A	N/A	N/A		
639 Arlington Ave SW	1456.00	Quad	See Report		
643 Arlington Ave SW	1344.00	N/A	See Report		
647 Arlington Ave SW	1398.00	Single	See Report		

Scope of Work

1. Proper City of Canton permits required
2. Must contact and provide approval from Stark Soil and Water on site plan approval for project
3. Install proper silt fence along the downward slope/side of the project
4. Contractor to submit plan for keeping roadways clean from mud/debris during project
5. Remove all non-building materials from all structures on each property
6. Perform Asbestos Abatement from all properties (Testing results attached to bid)
 - a. Follow all EPA guidelines and notifications
7. Verify Dominion/AEP and all other utilities have disconnected services
8. Remove are Trees/Stumps and Vegetation from each property
9. Remove all Concrete/Gravel Driveways from each property
10. Remove all Concrete Sidewalks/Retaining Walls/Steps and any other pathways from each property
11. Remove all Fences (wood/other) from each property
12. Remove all Wood Decks and components from each property
13. Remove all remaining Rubbish/items left on each property
14. Remove entire dwelling and all components including foundation, basement floor and all brick sidewalks. Follow sewer capping guidelines in section 1319.06
15. Remove Garage and corresponding base/components
16. Contractor will utilize existing soil around each property to fill each void left from removing the foundations, basement floor and all components associated with them. Dirt will be compacted in each void to eliminate settling of the voids to create a crowned surface upon completion.
17. Contractor will provide all additional soil to fill voids on project site if the remaining soil is not adequate to fill all voids from each parcel of the project.
18. Final elevations will be monitored by the Building Department during the entire process and will be approved by them.
19. Omit #'s 7 and 8 from Section 1319.06 from this project
20. Any change orders must be approved by the Building Department per its policy

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	206423
Owner	AULTMAN HEALTH FOUNDATION
Address	619 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14362 WH
Last Inspected	06/03/2019
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 1000

Allotments	
Allotment	Lot
No Allotment Information Available	

Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$10,400	\$3,640	\$19,600	\$6,860
2017	\$9,600	\$3,360	\$9,400	\$3,290	\$19,000	\$6,650
2016	\$9,600	\$3,360	\$9,400	\$3,290	\$19,000	\$6,650
2015	\$9,600	\$3,360	\$9,400	\$3,290	\$19,000	\$6,650
2014	\$9,500	\$3,330	\$9,300	\$3,260	\$18,800	\$6,590
2013	\$9,500	\$3,330	\$9,300	\$3,260	\$18,800	\$6,590
2012	\$9,500	\$3,330	\$9,300	\$3,260	\$18,800	\$6,590
2011	\$16,900	\$5,920	\$13,400	\$4,690	\$30,300	\$10,610
2010	\$16,900	\$5,920	\$13,400	\$4,690	\$30,300	\$10,610
2009	\$16,900	\$5,920	\$13,400	\$4,690	\$30,300	\$10,610
2008	\$17,000		\$16,300		\$33,300	\$11,660

Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

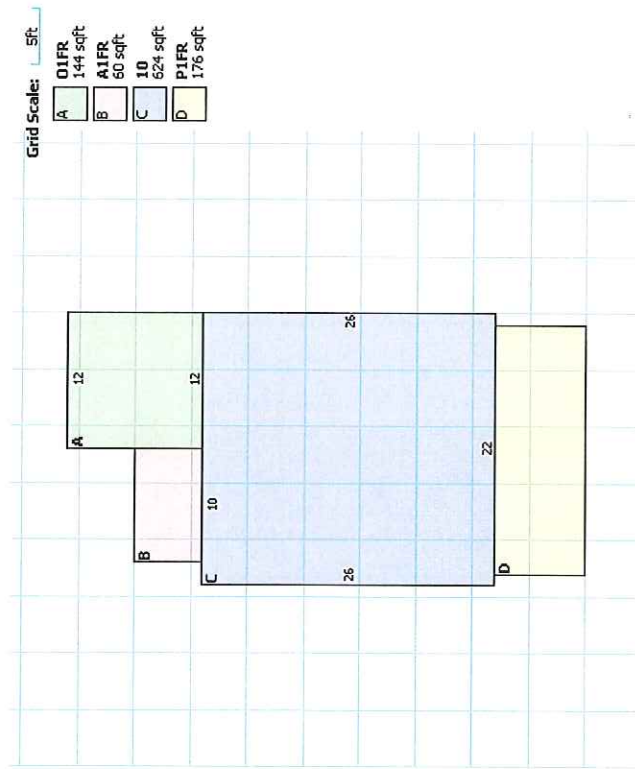
Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
5/20/2019	005384	2019	1	YES	\$170,000	\$11,660
2/18/1992	1541	1992	0	NO	\$0	\$7,500

Exhibit A

Details for Primary Building 7676548					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	1
Year Built	1916	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	4 - FAIR	Heat Type	GAS	Number Of Fireplaces	0
Living Area	1308	Central Air	NO	Family Room	NO
Quality Grade	95	Number Of Bedrooms	3	Primary Value	\$10,400

Details for Improvement 6261450					
Building Type	920 - PERSONAL PROPERTY BLDG	Adjustment Percent	0	Year Built	0
Number Of Stories	0	Value	0	Reason	-
Frontage	10.00	Common Walls	0	Condition	NOT AVAILABLE
Depth	16	Construction Type	NOT AVAILABLE	Grade	0
Area (sqft)	160	Height	0	Value	0





206423 Building ID 7676548

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	231033
Owner	AULTMAN HEALTH FOUNDATION
Address	621 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14361 WH
Last Inspected	07/01/2019
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0900

Allotments	
Allotment	Lot
No Allotment Information Available	

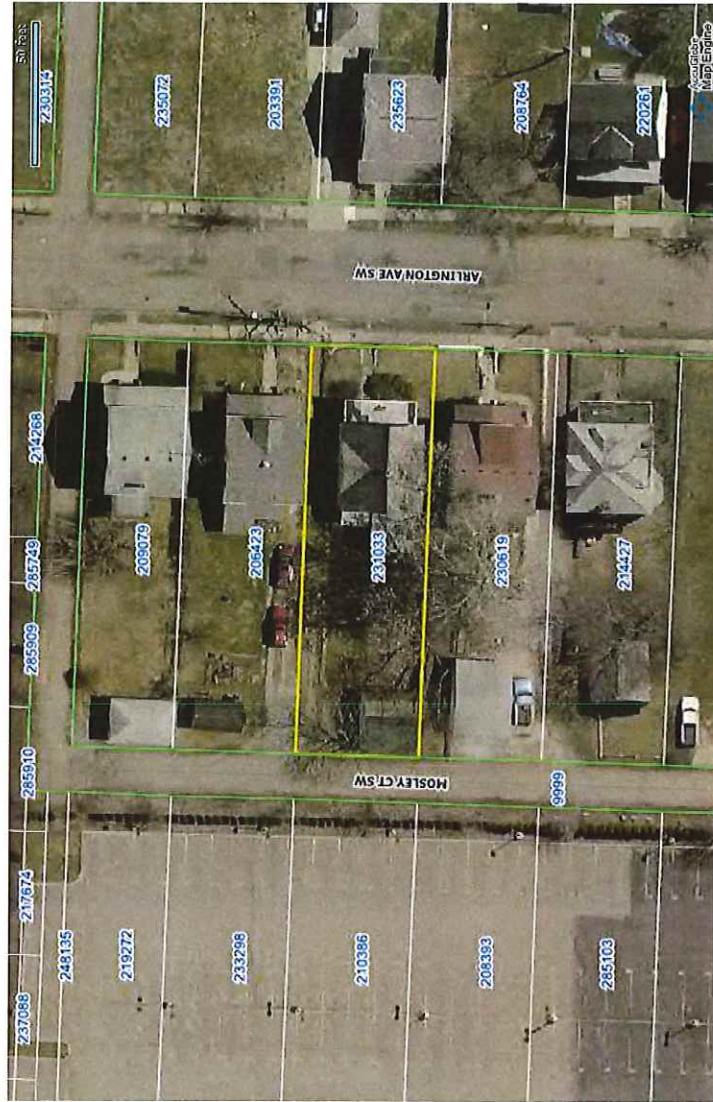
Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$13,800	\$4,830	\$23,000	\$8,050
2017	\$9,600	\$3,360	\$12,800	\$4,490	\$22,400	\$7,850
2016	\$9,600	\$3,360	\$12,700	\$4,450	\$22,300	\$7,810
2015	\$9,600	\$3,360	\$12,700	\$4,450	\$22,300	\$7,810
2014	\$9,500	\$3,330	\$12,600	\$4,410	\$22,100	\$7,740
2013	\$9,500	\$3,330	\$12,600	\$4,410	\$22,100	\$7,740
2012	\$9,500	\$3,330	\$12,600	\$4,410	\$22,100	\$7,740
2011	\$16,900	\$5,920	\$17,500	\$6,130	\$34,400	\$12,050
2010	\$16,900	\$5,920	\$17,700	\$6,200	\$34,600	\$12,120
2009	\$16,900	\$5,920	\$17,700	\$6,200	\$34,600	\$12,120
2008	\$17,000		\$21,600		\$38,600	\$13,510

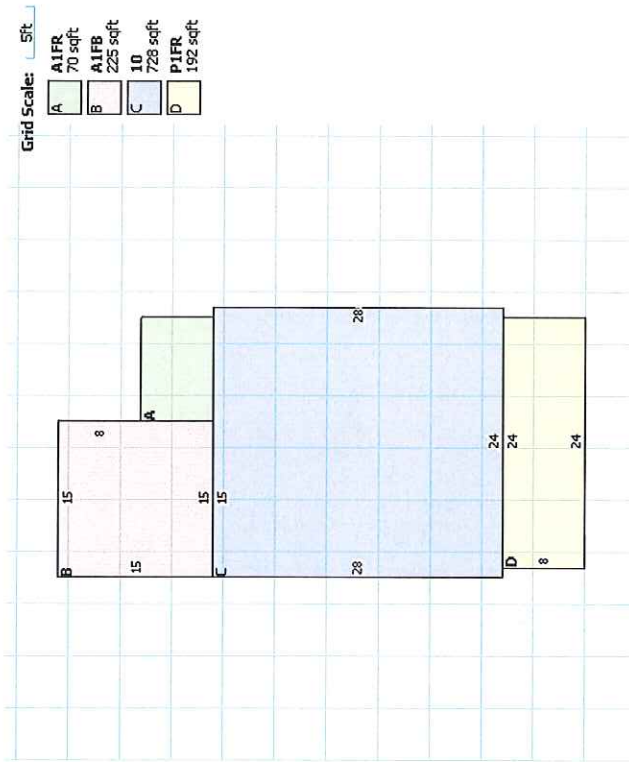
Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
6/19/2019	006837	2019	1	YES	\$27,500	\$13,510
6/19/2019	006835	2019	1	YES	\$27,500	\$13,510

Exhibit A

Details for Primary Building 7690763					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	1
Year Built	1913	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	4 - FAIR	Heat Type	GAS	Number Of Fireplaces	0
Living Area	1751	Central Air	NO	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$13,600





231033 Building ID 7690763

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	230619
Owner	AULTMAN HEALTH FOUNDATION
Address	627 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14360 WH
Last Inspected	07/01/2019
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0800

Allotments	
Allotment	Lot
No Allotment Information Available	

Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$26,500	\$9,280	\$35,700	\$12,500
2017	\$9,600	\$3,360	\$24,500	\$8,580	\$34,100	\$11,940
2016	\$9,600	\$3,360	\$24,400	\$8,540	\$34,000	\$11,900
2015	\$9,600	\$3,360	\$24,400	\$8,540	\$34,000	\$11,900
2014	\$9,500	\$3,330	\$24,100	\$8,440	\$33,600	\$11,770
2013	\$9,500	\$3,330	\$24,100	\$8,440	\$33,600	\$11,770
2012	\$9,500	\$3,330	\$24,100	\$8,440	\$33,600	\$11,770
2011	\$16,900	\$5,920	\$41,600	\$14,570	\$58,500	\$20,490
2010	\$16,900	\$5,920	\$41,600	\$14,570	\$58,500	\$20,490
2009	\$16,900	\$5,920	\$41,600	\$14,570	\$58,500	\$20,490
2008	\$17,000		\$51,000		\$68,000	\$23,800

Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

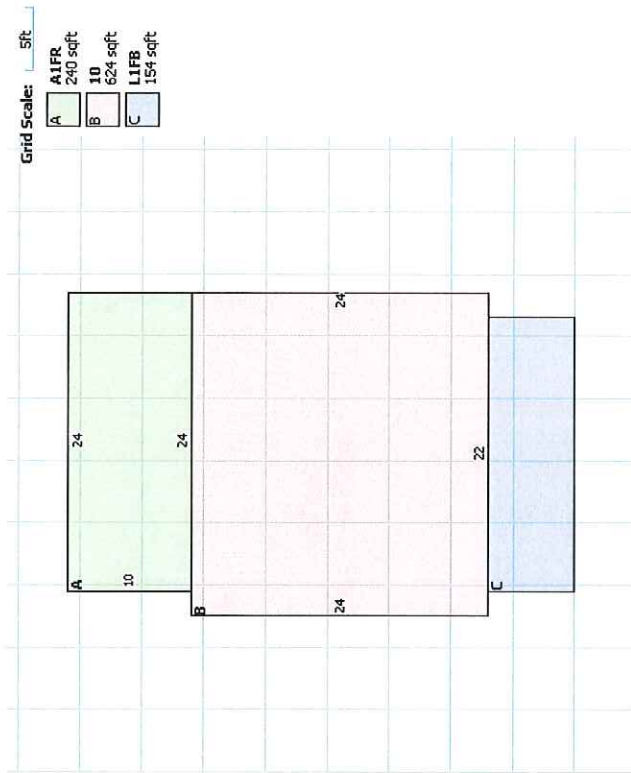
Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
6/19/2019	006831	2019	1	YES	\$170,000	\$23,800
6/14/2019	006658	2019	1	NO	\$0	\$23,800
12/16/1996	14995	1996	1	YES	\$59,900	\$12,220
2/2/1996	1057	1996	1	YES	\$22,000	\$12,220

Exhibit A

Details for Primary Building 7691641					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	2
Year Built	1919	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	3 - AVERAGE	Heat Type	GAS	Number Of Fireplaces	1
Living Area	1488	Central Air	YES	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$25,000

Details for Improvement 6271470					
Building Type	140 - GARAGE	Adjustment Percent	0	Year Built	1980
Number Of Stories	1.0	Value	1,500	Reason	-
Frontage	20.00	Common Walls	0	Condition	AVERAGE
Depth	24	Construction Type	POLE	Grade	100
Area (sqft)	480	Height	NONE	Value	1,500





230619 Building ID 7691641

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	214427
Owner	AULTMAN HEALTH FOUNDATION
Address	631 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14359 WH
Last Inspected	10/11/2018
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0700

Allotments	
Allotment	Lot
No Allotment Information Available	

Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$13,700	\$4,800	\$22,900	\$8,020
2017	\$9,600	\$3,360	\$12,500	\$4,380	\$22,100	\$7,740
2016	\$9,600	\$3,360	\$17,400	\$6,090	\$27,000	\$9,450
2015	\$9,600	\$3,360	\$17,400	\$6,090	\$27,000	\$9,450
2014	\$9,500	\$3,330	\$17,200	\$6,020	\$26,700	\$9,350
2013	\$9,500	\$3,330	\$17,200	\$6,020	\$26,700	\$9,350
2012	\$9,500	\$3,330	\$17,200	\$6,020	\$26,700	\$9,350
2011	\$16,900	\$5,920	\$31,700	\$11,100	\$48,600	\$17,020
2010	\$16,900	\$5,920	\$31,700	\$11,100	\$48,600	\$17,020
2009	\$16,900	\$5,920	\$31,700	\$11,100	\$48,600	\$17,020
2008	\$17,000		\$38,900		\$55,900	\$19,570

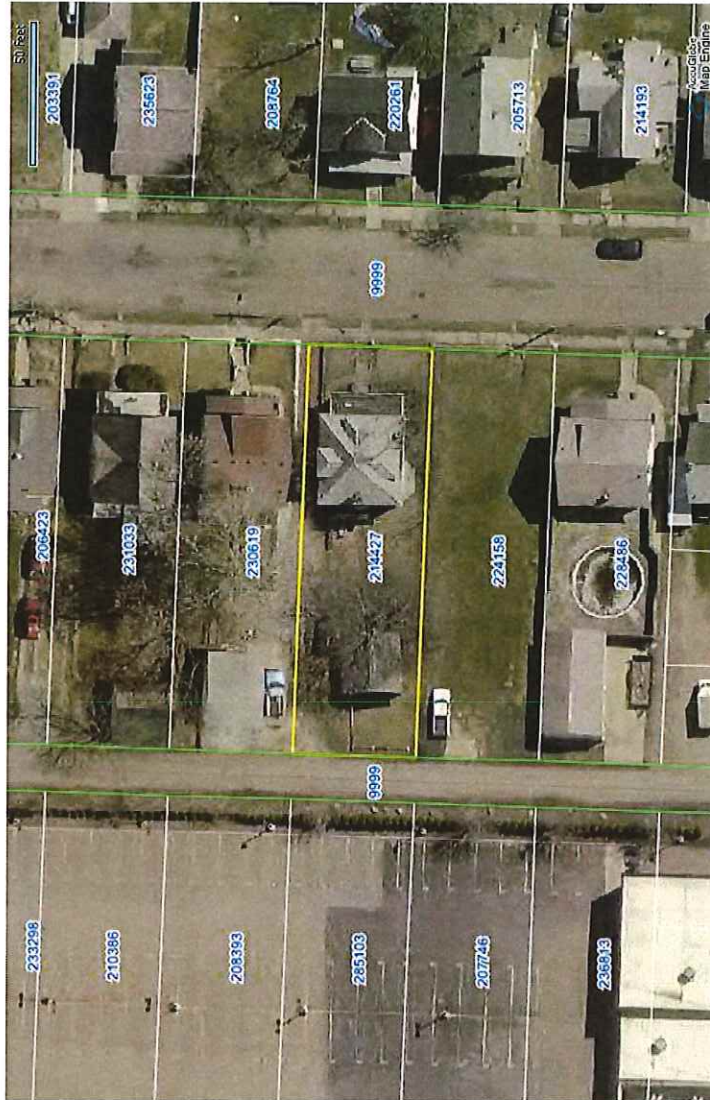
Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

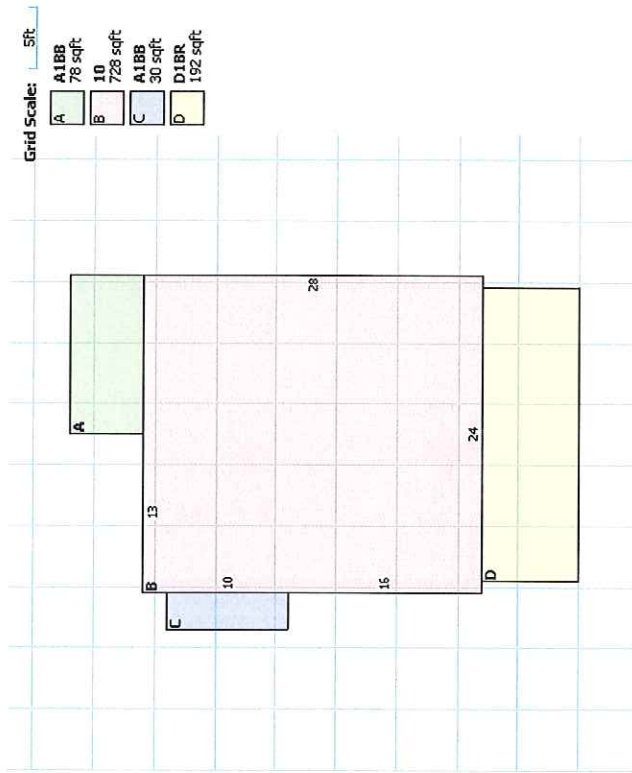
Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
8/20/2018	009805	2018	1	YES	\$40,000	\$19,570
3/18/2003	3013	2003	0	NO	\$0	\$12,570
7/1/1998	8207	1998	1	YES	\$25,000	\$10,820

Exhibit A

Details for Primary Building 7680239					
Building Type	10 - SINGLE FAMILY	Construction Type	2 - BRICK	Full Baths	1
Year Built	1912	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	4 - FAIR	Heat Type	GAS	Number Of Fireplaces	1
Living Area	1564	Central Air	NO	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$13,300

Details for Improvement 6268758					
Building Type	140 - GARAGE	Adjustment Percent	0	Year Built	1920
Number Of Stories	1.0	Value	400	Reason	-
Frontage	18.00	Common Walls	0	Condition	FAIR
Depth	18	Construction Type	WOOD FRAME	Grade	80
Area (sqft)	324	Height	0	Value	400





214427 Building ID 7680239

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	228486
Owner	AULTMAN HEALTH FOUNDATION
Address	639 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14357 WH
Last Inspected	08/02/2017
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0500

Allotments	
Allotment	Lot
No Allotment Information Available	

Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$26,000	\$9,100	\$35,200	\$12,320
2017	\$9,600	\$3,360	\$24,900	\$8,720	\$34,500	\$12,080
2016	\$9,600	\$3,360	\$23,600	\$8,260	\$33,200	\$11,620
2015	\$9,600	\$3,360	\$23,600	\$8,260	\$33,200	\$11,620
2014	\$9,500	\$3,330	\$23,400	\$8,190	\$32,900	\$11,520
2013	\$9,500	\$3,330	\$23,400	\$8,190	\$32,900	\$11,520
2012	\$9,500	\$3,330	\$23,400	\$8,190	\$32,900	\$11,520
2011	\$16,900	\$5,920	\$40,600	\$14,210	\$57,500	\$20,130
2010	\$16,900	\$5,920	\$40,600	\$14,210	\$57,500	\$20,130
2009	\$16,900	\$5,920	\$40,600	\$14,210	\$57,500	\$20,130
2008	\$17,000		\$50,200		\$67,200	\$23,520

Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

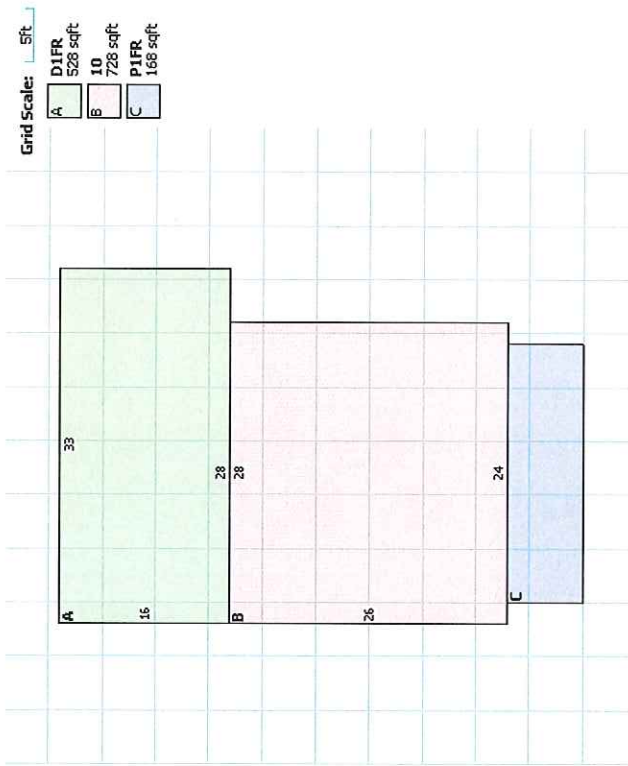
Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
3/31/2017	003484	2017	1	YES	\$75,000	\$23,520
1/5/2017	000091	2017	1	NO	\$0	\$23,520
9/27/1995	10973	1995	0	NO	\$0	\$12,290

Exhibit A

Details for Primary Building 7689020					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	1
Year Built	1916	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	3 - AVERAGE	Heat Type	GAS	Number Of Fireplaces	0
Living Area	1456	Central Air	NO	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$21,800

Details for Improvement 6273629					
Building Type	140 - GARAGE	Adjustment Percent	0	Year Built	1991
Number Of Stories	1.0	Value	4,200	Reason	-
Frontage	20.00	Common Walls	0	Condition	GOOD
Depth	36	Construction Type	WOOD FRAME	Grade	100
Area (sqft)	720	Height	NONE	Value	4,200





228486 Building ID 7689020

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	207632
Owner	AULTMAN HEALTH FOUNDATION
Address	643 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14356 43 X 67'EE
Last Inspected	08/14/2019
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0400

Allotments	
Allotment	Lot
No Allotment Information Available	

Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$5,500	\$1,930	\$21,600	\$7,560	\$27,100	\$9,490
2017	\$5,700	\$2,000	\$19,300	\$6,760	\$25,000	\$8,760
2016	\$5,700	\$2,000	\$19,300	\$6,760	\$25,000	\$8,760
2015	\$5,700	\$2,000	\$19,300	\$6,760	\$25,000	\$8,760
2014	\$5,600	\$1,960	\$19,200	\$6,720	\$24,800	\$8,680
2013	\$5,600	\$1,960	\$19,200	\$6,720	\$24,800	\$8,680
2012	\$5,600	\$1,960	\$19,200	\$6,720	\$24,800	\$8,680
2011	\$10,000	\$3,500	\$35,700	\$12,500	\$45,700	\$16,000
2010	\$10,000	\$3,500	\$35,700	\$12,500	\$45,700	\$16,000
2009	\$10,000	\$3,500	\$35,700	\$12,500	\$45,700	\$16,000
2008	\$10,000		\$44,200		\$54,200	\$18,970

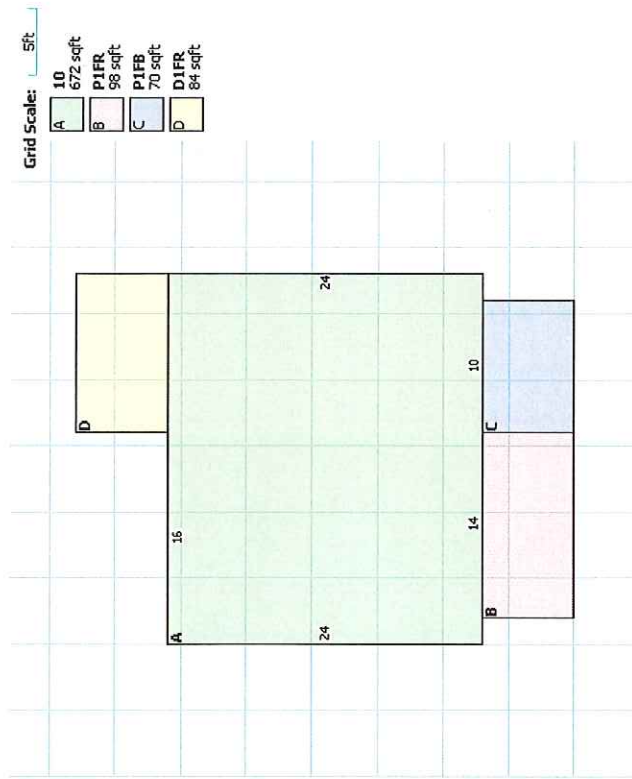
Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	67	2,881	FF	\$470.00	0	\$5,500

Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
8/8/2019	009107	2019	1	YES	\$100,000	\$18,970
12/4/1995	13808	1995	1	YES	\$22,500	\$6,340

Exhibit A

Details for Primary Building 7676986					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	1
Year Built	1916	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	3 - AVERAGE	Heat Type	GAS	Number Of Fireplaces	1
Living Area	1344	Central Air	NO	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$21,600





207632 Building ID 7676986

Property Record Card - Alan Harold, Stark County Auditor

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Subject Property	
Parcel	228447
Owner	AULTMAN HEALTH FOUNDATION
Address	647 ARLINGTON AVE SW CANTON OH 44706-1331
Mailing Address Line 1	AULTMAN HEALTH FOUNDATION
Mailing Address Line 2	2600 6TH ST SW
Mailing Address Line 3	CANTON OH 44710
Legal Description	14355-67'EE
Last Inspected	08/02/2017
Property Class	RESIDENTIAL
DTE Classification	510 - 1-FAMILY DWELLING
Tax District	00020 CANTON CITY - CANTON CSD
School District	7602 CANTON CSD
Township	MCKINLEY TOWNSHIP
City	CANTON CITY
Neighborhood	002-04-09-38
Map Routing Number	02 072B 16 0300

Allotments	
Allotment	Lot
No Allotment Information Available	

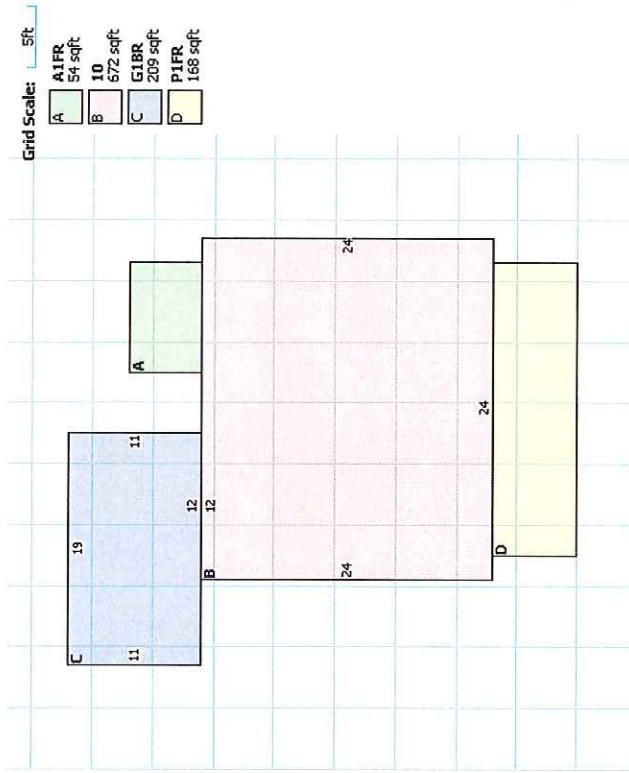
Valuation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$5,500	\$1,930	\$21,700	\$7,600	\$27,200	\$9,530
2017	\$5,700	\$2,000	\$19,700	\$6,900	\$25,400	\$8,900
2016	\$5,700	\$2,000	\$19,700	\$6,900	\$25,400	\$8,900
2015	\$5,700	\$2,000	\$19,700	\$6,900	\$25,400	\$8,900
2014	\$5,600	\$1,960	\$19,500	\$6,830	\$25,100	\$8,790
2013	\$5,600	\$1,960	\$19,500	\$6,830	\$25,100	\$8,790
2012	\$5,600	\$1,960	\$19,500	\$6,830	\$25,100	\$8,790
2011	\$10,000	\$3,500	\$35,300	\$12,360	\$45,300	\$15,860
2010	\$10,000	\$3,500	\$35,300	\$12,360	\$45,300	\$15,860
2009	\$10,000	\$3,500	\$35,300	\$12,360	\$45,300	\$15,860
2008	\$10,000		\$43,700		\$53,700	\$18,800

Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	67	2,881	FF	\$470.00	0	\$5,500

Sales Details						
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value
7/26/2016	008111	2016	1	YES	\$45,000	\$18,800
7/26/2016	008110	2016	1	NO	\$0	\$18,800
5/31/1994	5969	1994	1	YES	\$48,000	\$6,690
2/22/1994	1719	1994	2	YES	\$48,000	\$6,690
12/17/1993	14205	1993	2	YES	\$40,000	\$6,690

Exhibit A

Details for Primary Building 7688899					
Building Type	10 - SINGLE FAMILY	Construction Type	1 - WOOD FRAME	Full Baths	1
Year Built	1916	Quality Basement Finish	0 - NONE	Half Baths	0
Number Of Stories	2.00	Percent Complete	100	Basement	1 - FULL
Condition	3 - AVERAGE	Heat Type	GAS	Number Of Fireplaces	0
Living Area	1398	Central Air	YES	Family Room	NO
Quality Grade	100	Number Of Bedrooms	3	Primary Value	\$21,700



228447 Building ID 7688899

ASBESTOS MATERIAL SURVEY



Residential Structure with Attached Garage

643 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka

Precision Environmental Co.

5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC

Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 3, 2020

Project Number: 19-04-046

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure with attached garage at 643 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Duct wrap

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 643 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

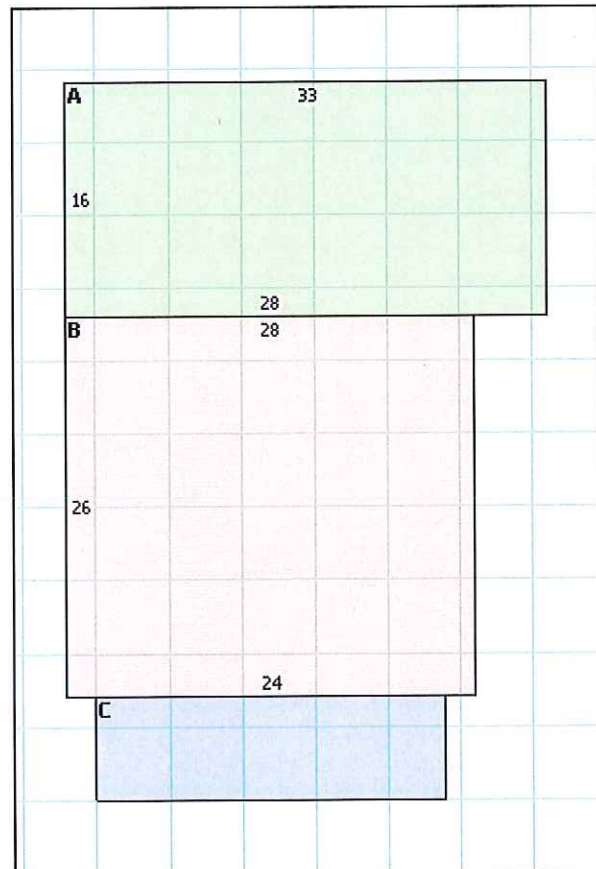
INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel #207632. This is a two-story (third floor is finished) single-family structure with an attached garage and no other outbuildings. The construction date for this structure was 1916 and the total square footage is approximately 1,344. The garage was constructed in 1991.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities

guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 7 homogeneous materials were noted during the inspection. A total of 20 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1	Duct wrap	180 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating duct at ceiling in basement and behind 1st and 2nd floor plaster (PL1) walls and ceilings to 2nd floor heating ducts.



RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders
Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
643-01 & 02	RS1	Asphalt-based roof shingle, gray	N	On garage roof	NF1	N	None Detected
643-03 & 04	RF1	Asphalt-based roof felt, black	N		NF1	N	None Detected
643-05 through 11	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath	NF2	N	None Detected
643-12 & 13	SB1	White sink bottom coating	N	1 st floor kitchen sink	NF2	N	None Detected
643-14, 15 & 16	DW1	Finished drywall (drywall board, joint compound and tape)	N	2 nd floor bathroom walls and ceiling.	NF2	N	None Detected
643-17, 18 & 19	TC1	Textured coating	N	2 nd floor bathroom ceiling	NF2	N	None Detected
643-20	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PL1) walls and ceiling. Basement on heating duct boots at ceiling.	F	Y	75% Chrysotile

Field Notes: Exterior: House has vinyl siding over wood clapboard siding and brick foundation. Garage is part of the basement. Interior: 1st and 2nd floors have carpet over wood floors and wood cove base. 1st floor living room fireplace has no suspect materials. Plastic wood-like flooring at front entrance, dining room and kitchen. Carpet on stairs to basement. 3rd floor attic is not finished and has wood roof joists, wood roof deck and wood floor. Foamboard insulation over windows. Basement has block and brick walls, cement floor and exposed wood joists at ceiling. Some miscellaneous carpet on basement floor. Furnace is gone and metal duct remains. Hot water tank has no suspect materials and pipes are not insulated. Garage area has no suspect materials.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II
RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co. 5500 Old Brecksville Road Independence, Ohio 44131	Report Date: Feb. 3, 2020 Project No.: 20-04-046 Log No.: 3050
---	---

BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Twenty (20) samples from the vacant residential structure at 643 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

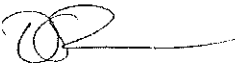
Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 3, 2020

Approved By:


Daniel C. Peders
Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116



Report Date: 02/03/2020
 Project: 20-04-046
 Log No.: 3050

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77171	643-01	Roof shingle	House roof	Gray	0	0	0	0	0	35	0	0	65	
77172	643-02			Gray	0	0	0	0	0	35	0	0	65	
77173	643-03	Roof felt		Black	0	0	0	0	55	0	0	0	45	
77174	643-04			Black	0	0	0	0	55	0	0	0	45	
77175	643-05a	Plaster	1 st floor living room ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	643-05b			Tan	0	0	0	0	0	0	0	5	95	Bottom scratch coat
77176	643-06a		1 st floor living room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	643-06b			Tan	0	0	0	0	0	0	0	5	95	Bottom scratch coat
77177	643-07a		1 st floor kitchen wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	643-07b			Tan	0	0	0	0	0	0	0	3	97	Bottom scratch coat
77178	643-08a		1 st floor dining room ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	643-08b			Tan	0	0	0	0	0	0	0	5	95	Bottom scratch coat
77179	643-09a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	643-09b			Tan	0	0	0	0	0	0	0	3	97	Bottom scratch coat

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 3, 2020

Approved By:
 Daniel C. Peders
 Laboratory Director

Amiantus

Report Date: 02/03/2020
 Project: 20-04-046
 Log No.: 3050

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77180	643-10a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	643-10b			Tan	0	0	0	0	0	0	7	93	Bottom scratch coat		
77181	643-11a		2 nd floor hallway wall	White	0	0	0	0	0	0	0	100	Top finish coat		
	643-11b			Tan	0	0	0	0	0	0	5	95	Bottom scratch coat		
77182	643-12	Sink bottom coating	House wooden window	White	0	0	0	0	0	0	100				
77183	643-13			White	0	0	0	0	0	0	100				
77184	643-14	Finished drywall (drywall board, joint compound and tape)	2 nd floor bathroom wall	White	0	0	0	0	3	0	0	97	All layers analyzed and no asbestos detected in any of the layers		
77185	643-15			White	0	0	0	0	3	0	0	97			
77186	643-16			White	0	0	0	0	3	0	0	97			
77187	643-17	Textured coating	2 nd floor bathroom ceiling	White	0	0	0	0	0	0	0	100			
77188	643-18			White	0	0	0	0	0	0	0	100			
77189	643-19			White	0	0	0	0	0	0	0	100			
77190	643-20	Duct wrap	Behind plaster wall on 1 st floor	Tan	75	0	0	0	0	0	0	25			

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders

Date: February 3, 2020

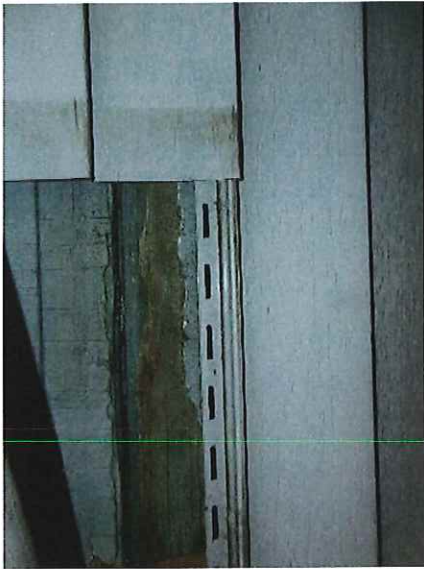
Approved By:



Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation



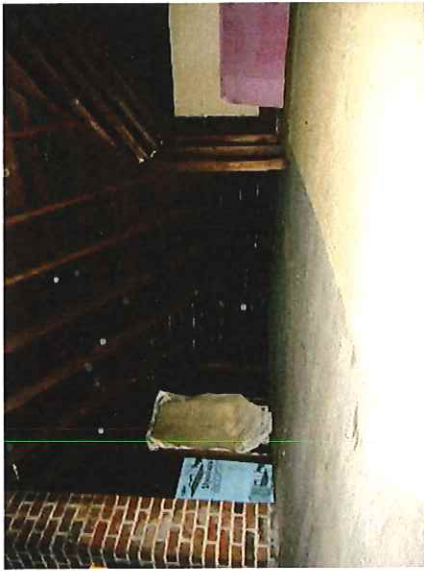
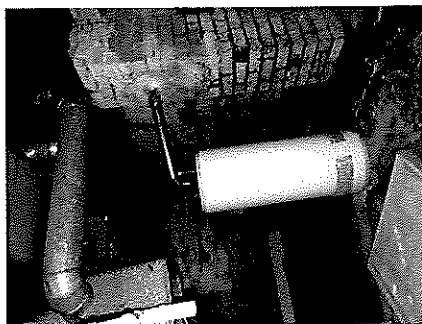
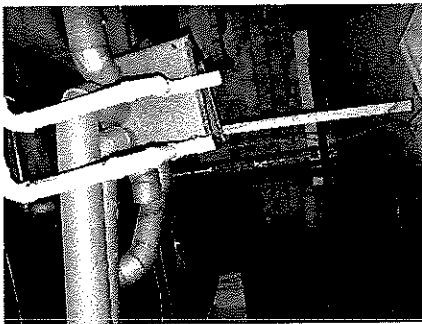


Exhibit A



ASBESTOS MATERIAL SURVEY



Residential Structure and Detached Garage

639 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka
Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC
Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 3, 2020

Project Number: 19-04-045

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure and detached garage at 639 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Duct wrap and duct tape

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

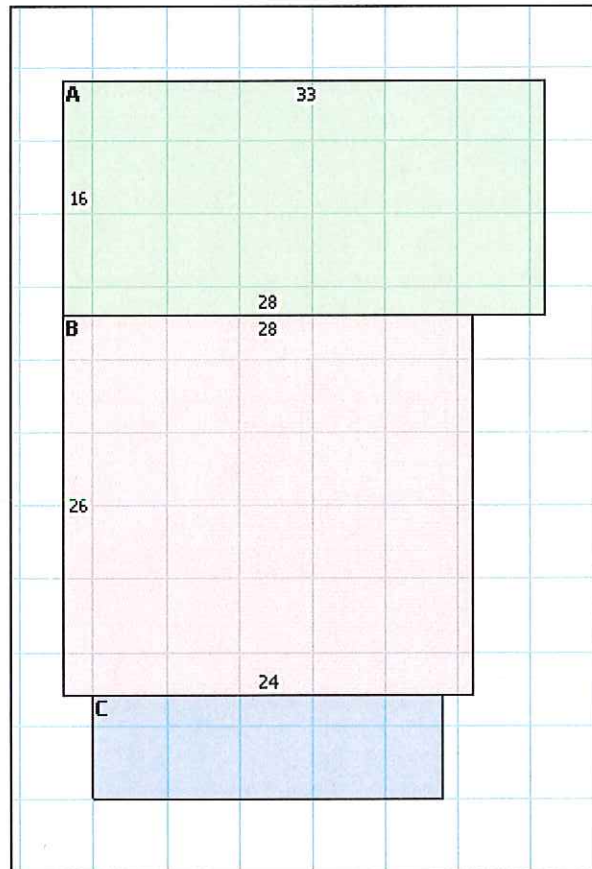
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 639 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel #228486. This is a two-story (third floor is finished) single-family structure with a detached garage and no other outbuildings. The construction date for this structure was 1916 and the total square footage is approximately 1,456. The garage was constructed in 1991.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 13 homogeneous materials were noted during the inspection. A total of 31 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1	Duct wrap	160 S.F.
DT1	Duct tape	<5 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating duct at ceiling in basement and behind 1st and 2nd floor plaster (PL1) walls and ceilings to 2nd floor heating ducts.



(Right) Asbestos-containing duct tape (DT1) on metal duct seam at ceiling in basement.



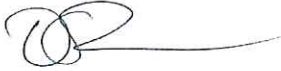
RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders
Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
639-01 & 02	RS1	Asphalt-based roof shingle, brown	N	On garage roof	NF1	N	None Detected
639-03 & 04	RF1	Asphalt-based roof felt, black	N		NF1	N	None Detected
639-05 & 06	WG1	Window glazing	N	House wooden windows	NF2	N	None Detected
639-07, 08 & 09	DW1	Finished drywall (drywall board, joint compound and tape)	N	3 rd floor walls and ceiling. 2 nd floor bathroom walls and ceiling.	NF2	N	None Detected
639-10, 11 & 12	TC1	Textured coating	N	1 st through 3 rd floor ceiling	NF2	N	None Detected
639-13 through 19	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath	NF2	N	None Detected
639-20 & 21	FS1	Floor sheeting, gray 12" squares	N	2 nd floor bathroom	NF1	N	None Detected
639-22 & 23	FS2	Floor sheeting, tan and brown blocks	N	1 st floor kitchen	NF1	N	None Detected
639-24 & 25	CB1	4" dark brown cove base	N		NF1	N	None Detected
639-26 & 27	AD1	Tan panel mastic	N		NF1	N	None Detected
639-28 & 29	SB1	Black sink bottom coating	N	1 st floor kitchen sink	NF1	N	None Detected

Field Notes: Exterior: House has vinyl siding over wood clapboard siding and brick foundation. Garage is wood constructed with vinyl siding over wood, wood roof deck and cement floor. Interior: 1st through 3rd floors have wood floors and wood cove base. 1st and 2nd floors have carpet over wood floors. 3rd floor has some paper-faced fiberglass in attic crawlspace. 2nd floor bathroom has some wood paneling at tub surround. 1st floor living room fireplace has no suspect materials. Kitchen has wood paneling on walls up to 3' and ceramic tile at counter as splash guard. Kitchen has 2' x 2' ceiling tile, vinyl-faced fiberglass in suspended metal grid. Basement has block and brick walls, exposed wood joists at ceiling and cement and brick floor. Furnace has no suspect materials and metal duct. Hot water tank has no suspect materials and pipes are not insulated.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
 EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
639-30	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PL1) walls and ceiling. Basement on duct boots at ceiling.	F	Y	85% Chrysotile
639-31	DT1	Duct tape	Y	Basement on metal duct seam	F	Y	80% Chrysotile

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
 Environmental Consulting
 583 Grayton Road
 Berea, Ohio 44017
 216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co.	Report Date: Feb. 2, 2020
5500 Old Brecksville Road	Project No.: 20-04-045
Independence, Ohio 44131	Log No.: 3049

BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Thirty-one (31) samples from the vacant residential structure at 639 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

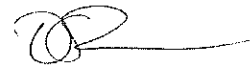
Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 3, 2020

Approved By:


 Daniel C. Peders
 Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Report Date: 02/03/2020
 Project: 20-04-045
 Log No.: 3049

Amianthus

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77140	639-01	Roof shingle	Garage roof	Brown	0	0	0	0	0	0	35	0	65	
77141	639-02			Brown	0	0	0	0	0	0	35	0	65	
77142	639-03	Roof felt		Black	0	0	0	0	0	55	0	0	45	
77143	639-04			Black	0	0	0	0	0	55	0	0	45	
77144	639-05	Window glazing	House wooden window	White	0	0	0	0	0	0	0	0	100	
77145	639-06			White	0	0	0	0	0	3	0	0	97	
77146	639-07	Finished drywall (drywall board, joint compound and tape)	3 rd floor ceiling	White	0	0	0	0	0	3	0	0	97	All layers analyzed and no asbestos detected in any of the layers
77147	639-08		3 rd floor wall	White	0	0	0	0	0	3	0	0	97	
77148	639-09		2 nd floor bathroom wall	White	0	0	0	0	0	3	0	0	97	
77149	639-10	Textured coating	3 rd floor ceiling	White	0	0	0	0	0	0	0	0	100	
77150	639-11		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	
77151	639-12		1 st floor living room ceiling	White	0	0	0	0	0	0	0	0	100	
77152	639-13a	Plaster	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	639-13b			Tan	0	0	0	0	0	0	0	5	95	Bottom scratch coat

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government


Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders

Date: February 3, 2020

Approved By:


 Daniel C. Peders
 Laboratory Director

Report Date: 02/03/2020
 Project: 20-04-045
 Log No.: 3049



Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments				
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials							
77094	639-14a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-14b				Tan	0	0	0	0	0	0	0	0	0	5	95	0	0	0
77095	639-15a		Stairwell to 2 nd floor wall	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-15b				Tan	0	0	0	0	0	0	0	0	3	93	0	0	0	0
77096	639-16a		1 st floor living room ceiling	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-16b				Tan	0	0	0	0	0	0	0	0	5	93	0	0	0	0
77097	639-17a		1 st floor living room wall	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-17b				Tan	0	0	0	0	0	0	0	0	5	95	0	0	0	0
77098	639-18a		1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-18b				Tan	0	0	0	0	0	0	0	0	7	93	0	0	0	0
77099	639-19a		1 st floor kitchen wall	White	0	0	0	0	0	0	0	0	100	0	0	0	0	0	Top finish coat
	639-19b				Tan	0	0	0	0	0	0	0	0	3	90	0	0	0	0
77100	639-20	Floor sheeting	2 nd floor bathroom	Gray	0	0	0	0	0	0	0	25	0	0	0	0	0	75	
77101	639-21			Gray	0	0	0	0	0	0	0	25	0	0	0	0	0	75	
77102	639-22	Floor sheeting	1 st floor kitchen	Tan	0	0	0	0	0	0	0	30	0	0	0	0	0	70	

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders

Date: February 3, 2020

Approved By:

Daniel C. Peders
 Laboratory Director

Report Date: 02/03/2020
 Project: 20-04-045
 Log No.: 3049

Amiantbus

Lab No	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77162	639-23	Floor sheeting	1 st floor kitchen	Tan	0	0	0	0	30	0	0	0	70	
77163	639-24	Cove base		Brown	0	0	0	0	0	0	0	0	100	
77164	639-25			Brown	0	0	0	0	0	0	0	0	100	
77165	639-26	Mastic for cove base		Yellow	0	0	0	0	0	0	0	0	100	
77166	639-27			Yellow	0	0	0	0	0	0	0	0	100	
77167	639-28	Sn bottom coating	1 st floor kitchen sink	Black	0	0	0	0	0	0	0	0	100	
77168	639-29			Black	0	0	0	0	0	0	0	0	100	
77169	639-30	Duct wrap	On heating duct behind 1 st floor wall	White	85	0	0	0	0	0	0	0	15	
77170	639-31	Duct tape	Basement on seam of metal duct	White	80	0	0	0	0	0	0	0	20	


AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

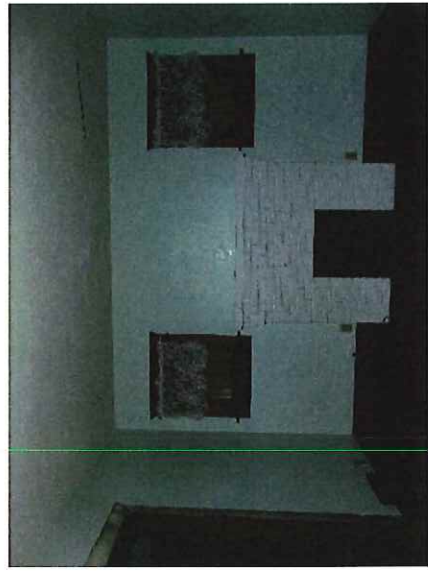
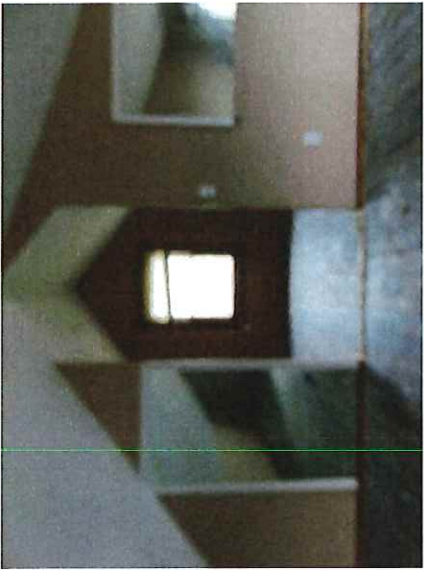
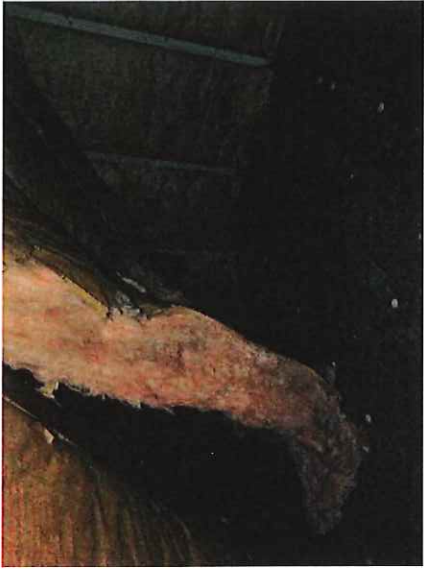
Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

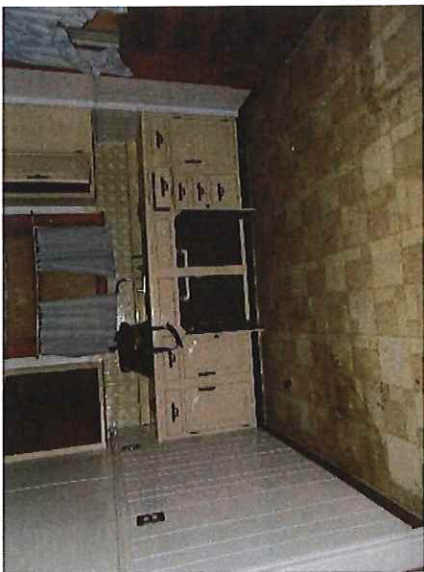
Analysis Performed By: Daniel C. Peders
 Date: February 3, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation





ASBESTOS MATERIAL SURVEY



Residential Structure and Detached Garage

631 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka

Precision Environmental Co.

5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC

Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 3, 2020

Project Number: 19-04-044

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure and detached garage at 631 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Boiler insulation

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. The following Category II non-friable asbestos material were sampled and identified to be asbestos-containing:

- Plaster walls and ceiling

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 631 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

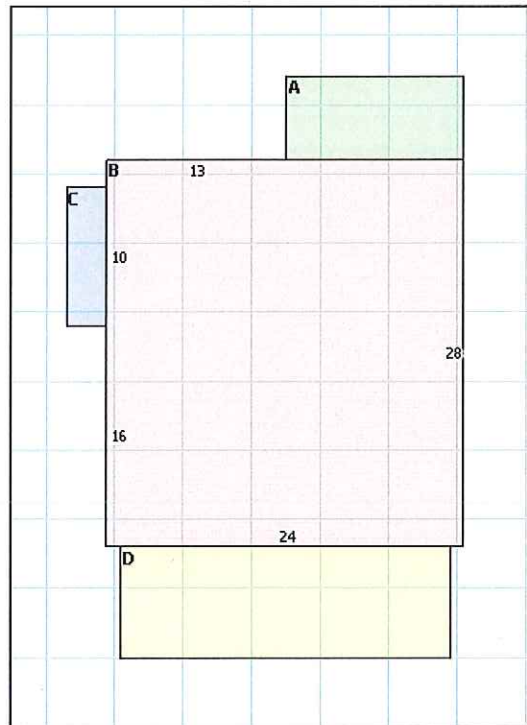
INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel #214427. This is a two-story (third floor is finished) single-family structure with a detached garage and no other outbuildings. The construction date for this structure was 1912 and the total square footage is approximately 1,564. The garage was constructed in 1920.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended.

This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 11 homogeneous materials were noted during the inspection. A total of 28 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
PL1	Plaster walls and ceilings	11,642 S.F.
BI1	Boiler insulation	60 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing plaster (PL1) walls and ceiling on wood lath at 1st through 3rd floor walls and ceiling.



(Right) Asbestos-containing boiler insulation (BI1) on exterior of boiler in basement.



RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders

Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
631-01 & 02	RS1	Asphalt-based roof shingle, gray	N	On house and garage roofs. Some shingles are stored outside next to the garage.	NF1	N	None Detected
631-03 & 04	RF1	Asphalt-based roof felt, black	N				
631-05 & 06	BF1	Asphalt-based building felt, black	N	House under wood shake siding at dormers	NF1	N	None Detected
631-07 & 08	WG1	Window glazing	N	On house and garage wooden windows	NF2	N	None Detected
631-09 through 16	PL1	Plaster walls and ceiling	Y	1 st through 3 rd floor walls and ceilings on wood lath	NF2	Y	1.5% PC – 5% Chrysotile
631-17 & 18	FS1	Floor sheeting, white 4" squares with floral pattern	N	2 nd floor bathroom	NF1	N	None Detected
631-19 & 20	FT1	12" x 12" floor tile, as tan 6" squares, self-adhesive	N	1 st floor kitchen	NF1	N	None Detected
631-21, 22 & 23	TC1	Textured coating	N	1 st floor kitchen and dining room ceiling	NF1	N	None Detected
631-24 & 25	AD1	Black mastic for wood paneling	N	On wood wall and ceiling paneling for stairs to basement	NF1	N	None Detected

Field Notes: Exterior: House brick with brick foundation. Wood shake siding at 3rd floor dormers. Garage is wood constructed with wood clapboards, wood roof deck and cement floor. Garage is filled with junk. Interior: 1st through 3rd floors have wood floors and wood cove base with carpet over wood floors on 1st and 2nd floors. Steam radiators on 1st and 2nd floors have no suspect materials and exposed pipes are not insulated. Expansion tank in 2nd floor hall closet has no suspect materials and pipes are not insulated. 2nd floor radiators are not insulated. Expansion tank in 2nd floor living room fireplace has no suspect materials. Kitchen sink has no suspect coating. Wood paneling on basement stairwell walls and ceiling. Basement has brick walls, exposed wood floor joists and cement floor. Hot water tanks (2) have no suspect materials and pipes are not insulated. Boiler pipes are not insulated.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
 EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

Table 2 -- Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
631-26 & 27	FS1	Floor sheeting, yellow and orange pebbles	N	On stairs to basement	NF1	N	None Detected
631-28	BII	Boiler insulation	Y	On exterior of boiler in basement	F	Y	350% Chrysotile

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
 EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co. 5500 Old Brecksville Road Independence, Ohio 44131	Report Date: Feb. 3, 2020 Project No.: 20-04-044 Log No.: 3048
---	---

BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Twenty-eight (28) samples from the vacant residential structure at 631 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

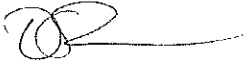
Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25 μ m) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 3, 2020

Approved By: 
Daniel C. Peders
Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Amiantibus

Report Date: 02/03/2020
 Project: 20-04-044
 Log No.: 3048

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77112	631-01	Roof shingle	Garage roof	Gray	0	0	0	0	35	0	0	0	65	
77113	631-02		House roof	Gray	0	0	0	0	35	0	0	0	65	
77114	631-03	Roof felt	Garage roof	Black	0	0	0	0	55	0	0	0	45	
77115	631-04		House roof	Black	0	0	0	0	55	0	0	0	45	
77116	631-05	Building felt	House roof under wood shake siding at dormers	Black	0	0	0	0	65	0	0	0	35	
77117	631-06			Black	0	0	0	0	65	0	0	0	35	
77118	631-07	Roof shingle	Garage window	White	0	0	0	0	0	0	TR	0	100	
77119	631-08		House window	White	0	0	0	0	0	0	0	0	100	
77120	631-09a	Plaster	3 rd floor ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	Tan			1.5 PC	0	0	0	0	0	0	0	5	93.5	Bottom scratch coat
77121	631-10a		3 rd floor wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	Tan			5	0	0	0	0	0	0	3	92	Bottom scratch coat	
77122	631-11a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	Tan			3	0	0	0	0	0	0	5	92	Bottom scratch coat	


AIHA PAT for Bulk Asbestos no. 198622

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Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 3, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

Report Date: 02/03/2020
 Project: 20-04-044
 Log No.: 3048

Amiantbus

Lab No	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77123	631-12a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	631-12b				5	0	0	0	0	0	5	90	Bottom scratch coat		
77124	631-13a		1 st floor living room wall	White	0	0	0	0	0	0	0	100	Top finish coat		
	631-13b				3	0	0	0	0	0	5	92	Bottom scratch coat		
77125	631-14a		1 st floor living room ceiling	White	0	0	0	0	0	0	0	100	Top finish coat		
	631-14b				3	0	0	0	0	0	5	92	Bottom scratch coat		
77126	631-15a		1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	100	Top finish coat		
	631-15b				5	0	0	0	0	0	7	88	Bottom scratch coat		
77127	631-16a		1 st floor dining room wall	White	0	0	0	0	0	0	0	100	Top finish coat		
	631-16b				3	0	0	0	0	0	3	94	Bottom scratch coat		
77128	631-17	Floor sheeting	2 nd floor bathroom	White	0	0	0	0	20	0	0	80			
77129	631-18			White	0	0	0	0	20	0	0	80			
77130	631-19	Floor tile	1 st floor kitchen	Tan	0	0	0	0	0	0	0	100			
77131	631-20			Tan	0	0	0	0	0	0	0	100			


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Amiantibus


Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments	
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77132	631-21	Textured coating	1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	0	0	100	
77133	631-22			White	0	0	0	0	0	0	0	0	0	100	
77134	631-23		1 st floor dining room ceiling	White	0	0	0	0	0	0	0	0	0	100	
77135	631-24	Panel mastic	On basement stairs walls and ceiling	Black	0	0	0	0	0	0	0	0	0	100	
77136	631-25			Black	0	0	0	0	0	0	0	0	0	100	
77137	631-26	Floor sheeting	Om stairs to basement	Yellow	0	0	0	0	0	30	0	0	0	70	
77138	631-27			Orange	0	0	0	0	0	30	0	0	0	70	
77139	631-28	Boiler insulation	Basement boiler exterior	Silver/White	35	0	0	0	0	0	0	0	0	65	

AIHA PAT for Bulk Asbestos no. 198622

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 Analysis Method: EPA 600/R-93/116

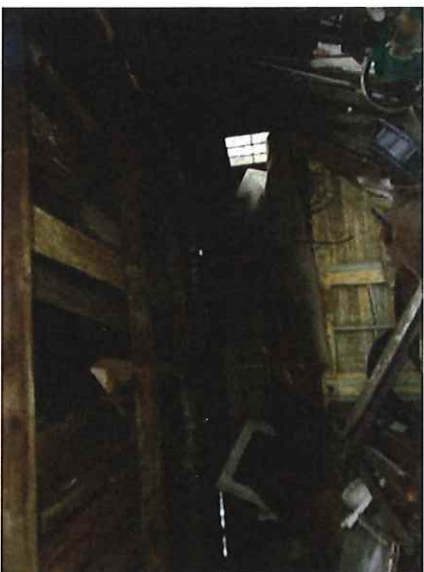
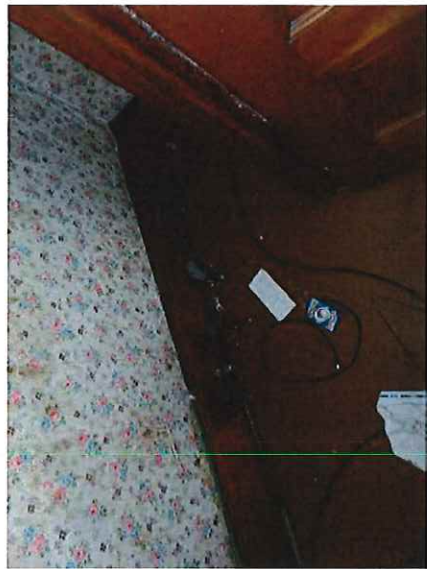
Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

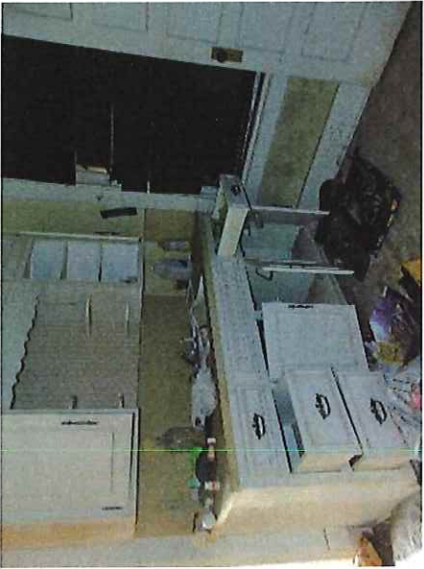
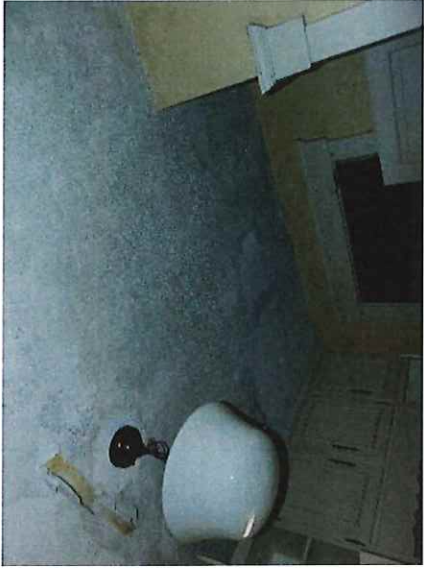
Analysis Performed By: Daniel C. Peders
 Date: February 3, 2020

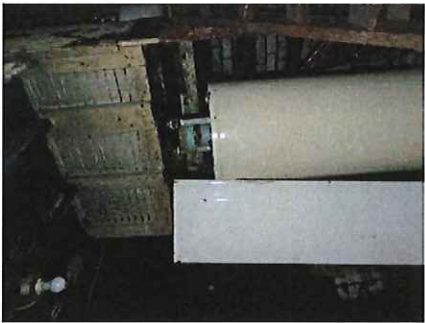
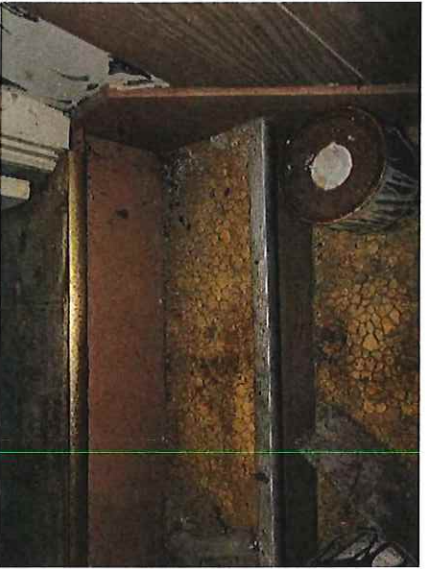
Approved By: 
 Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation









ASBESTOS MATERIAL SURVEY



Residential Structure and Detached Garage

627 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka
Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC
Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 3, 2020

Project Number: 19-04-043

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure and detached garage at 627 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Duct wrap

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

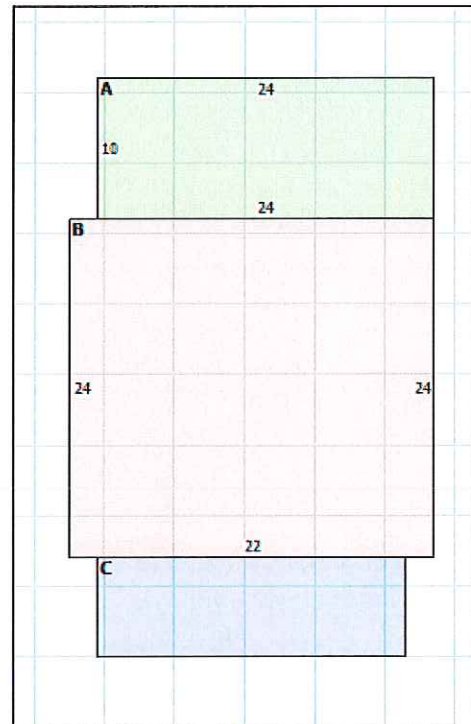
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 627 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel #230619. This is a two-story (third floor is finished) single-family structure with a detached garage and no other outbuildings. The construction date for this structure was 1919 and the total square footage is approximately 1,488. The garage was constructed in 1980.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 12 homogeneous materials were noted during the inspection. A total of 30 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1/DT1	Duct wrap	160 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating duct boots at ceiling in basement and behind 1st and 2nd floor plaster (PL1) walls and ceilings to 2nd floor heating ducts.



RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders

Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
627-01 & 02	RS1	Asphalt-based roof shingle, gray	N	On garage roof	NF1	N	None Detected
627-03 & 04	RF1	Asphalt-based roof felt, black	N		NF1	N	None Detected
627-05 & 06	BF1	Asphalt-based building felt, black	N	Under house aluminum siding	NF1	N	None Detected
627-07 & 08	RS2	Asphalt-based roof shingle, red	N	On house roof	NF1	N	None Detected
627-09 & 10	RF2	Asphalt-based roof felt, black	N		NF1	N	None Detected
627-11, 12 & 13	DW1	Finished drywall (drywall board, joint compound and tape)	N	Under wood wall and ceiling panel on 3 rd floor, 1 st floor kitchen and bathroom walls and ceiling.	NF2	N	None Detected
627-14 through 20	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath	NF2	N	None Detected
627-21 & 22	FS1	Floor sheeting, tan 3" squares and floral pattern	N	2 nd floor hall closet, 1 st floor bathroom in front of shower.	NF1	N	None Detected
627-23, 24 & 25	TC1	Textured coating	N	2 nd floor front corner bedroom ceiling, 1 st floor bathroom, living room and dining room ceilings.	NF2	N	None Detected
627-26 & 27	AD1	Tan panel mastic	N	2 nd floor bathroom at tub surround	NF1	N	None Detected

Field Notes: Exterior: House has aluminum siding over building felt (BF1) over wood clapboard siding and brick foundation. Newer replacement windows with no suspect glazing or caulk. Garage is wood constructed with vinyl siding over wood panels, wood roof deck and cement floor. Interior: 1st through 3rd floors have carpet over wood floors and wood cove base. 3rd floor has a wall mounted electric heater with no suspect materials. 2nd floor bathroom has carpet. Front porch has wood walls and ceiling and carpet over wood floor. 1st floor living room fireplace has no suspect materials. Paper-faced fiberglass insulation behind finished drywall (DW1) on perimeter walls. Kitchen ceiling has wood paneling. Basement has block and brick walls, exposed wood floor joists and cement floor. Furnace has no suspect materials and metal duct. Some black rubber insulation on AC line. No hot water tank and pipes are not insulated. Finished basement corner room has wood wall paneling.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020

Date: January 31, 2020

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homo-geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
627-28	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PLI) walls and ceiling. Basement on duct boots at ceiling.	F	Y	80% Chrysotile
627-29 & 30	FS2	Floor sheeting, tan hexagons with floral pattern	N	1 st floor kitchen	NF1	N	None Detected

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, **NF1** = Non-friable Category I, **NF2** = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.


 Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020

Date: January 31, 2020

APPENDIX B
Analytical Reports



Amianthus LLC
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co. 5500 Old Brecksville Road Independence, Ohio 44131	Report Date: Feb. 2, 2020 Project No.: 20-04-043 Log No.: 3046
---	---

BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Thirty (30) samples from the vacant residential structure at 627 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

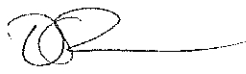
Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 2, 2020

Approved By: 
Daniel C. Peders
Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

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Analysis Method: EPA 600/R-93/116

Amianthus

Report Date: 02/02/2020
 Project: 20-04-043
 Log No.: 3046

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77081	627-01	Roof shingle	Garage roof	Gray	0	0	0	0	0	35	0	0	65		
77082	627-02			Gray	0	0	0	0	0	35	0	0	65		
77083	627-03	Roof felt		Black	0	0	0	0	60	0	0	40			
77084	627-04			Black	0	0	0	0	60	0	0	40			
77085	627-05	Building felt	House roof under aluminum siding	Black	0	0	0	0	65	0	0	35			
77086	627-06			Black	0	0	0	0	65	0	0	35			
77087	627-07	Roof shingle	House roof	Red	0	0	0	0	35	0	0	65			
77088	627-08			Red	0	0	0	0	35	0	0	65			
77089	627-09	Roof felt		Black	0	0	0	0	55	0	0	45			
77090	627-10			Black	0	0	0	0	55	0	0	45			
77091	627-11	Finished drywall (drywall board, joint compound and tape)	3 rd floor ceiling	White	0	0	0	0	3	0	0	97	All layers analyzed and no asbestos detected in any of the layers		
77092	627-12		1 st floor bathroom wall	White	0	0	0	0	3	0	0	97			
77093	627-13		1 st floor kitchen wall	White	0	0	0	0	3	0	0	97			
77094	627-14a	Plaster	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat		
	627-14b			Tan	0	0	0	0	0	0	0	5	95	Bottom scratch coat	

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Analysis Method: EPA 600/R-93/116

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Date: February 2, 2020

Approved By:


 Daniel C. Peders
 Laboratory Director

Report Date: 02/02/2020
 Project: 20-04-043
 Log No.: 3046



Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77095	627-15a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-15b														Tan
77096	627-16a		2 nd floor bathroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-16b														Tan
77097	627-17a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-17b														Tan
77098	627-18a		1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-18b														Tan
77099	627-19a		1 st floor living room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-19b														Tan
77100	627-20a		1 st floor bathroom ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat	
	627-20b														Tan
77101	627-21	Floor sheeting	1 st floor bathroom	Tan	0	0	0	0	20	0	0	0	80		
77102	627-22			Tan	0	0	0	0	20	0	0	0	80		
77103	627-23	Textured coating	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100		

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 Date: February 2, 2020

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 Laboratory Director

Amiantibus

Report Date: 02/02/2020
 Project: 20-04-043
 Log No.: 3046

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77104	627-24	Textured coating	1 st floor bathroom ceiling	White	0	0	0	0	0	0	0	0	0	100	
77105	627-25		1 st floor dining room ceiling	White	0	0	0	0	0	0	0	0	0	100	
77106	627-26	Panel mastic	2 nd floor bathroom	Tan	0	0	0	0	0	0	0	0	0	100	
77107	627-27			Tan	0	0	0	0	0	0	0	0	0	100	
77108	627-28	Duct wrap	2 nd floor on duct at vent	White	80	0	0	0	0	0	0	0	0	20	
77109	627-29	Floor sheeting	1 st floor kitchen	Tan	0	0	0	0	0	30	0	0	0	70	
77110	627-30			Tan	0	0	0	0	0	30	0	0	0	70	


AIHA PAT for Bulk Asbestos no. 198622

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Analysis Method: EPA 600/R-93/116

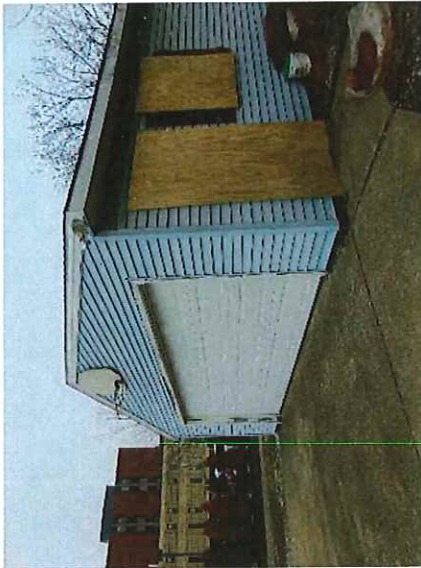
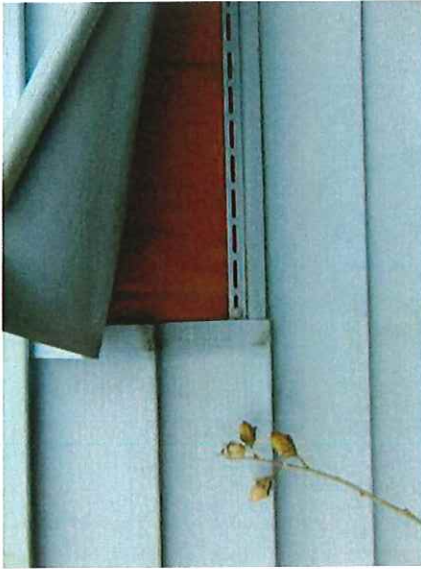
Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

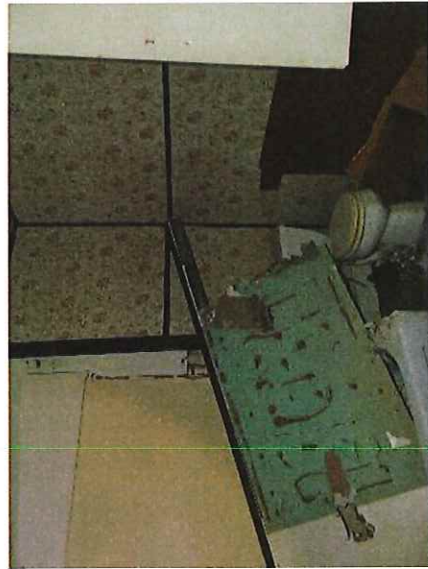
Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

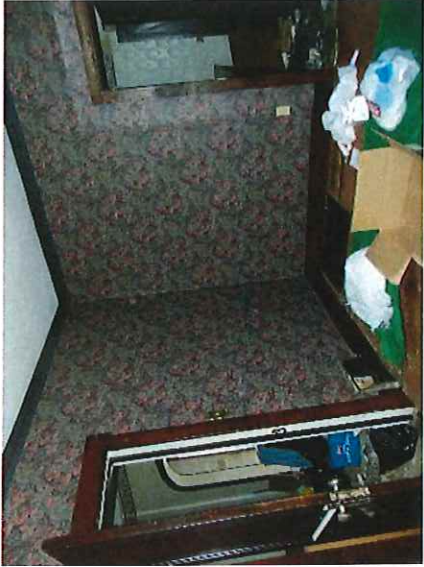
Approved By: 
 Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation









ASBESTOS MATERIAL SURVEY



Residential Structure and Detached Garage

621 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka

Precision Environmental Co.

5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC

Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 2, 2020

Project Number: 19-04-042

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure and detached garage at 621 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos materials were sampled and identified to be asbestos-containing:

- Duct wrap and duct tape

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

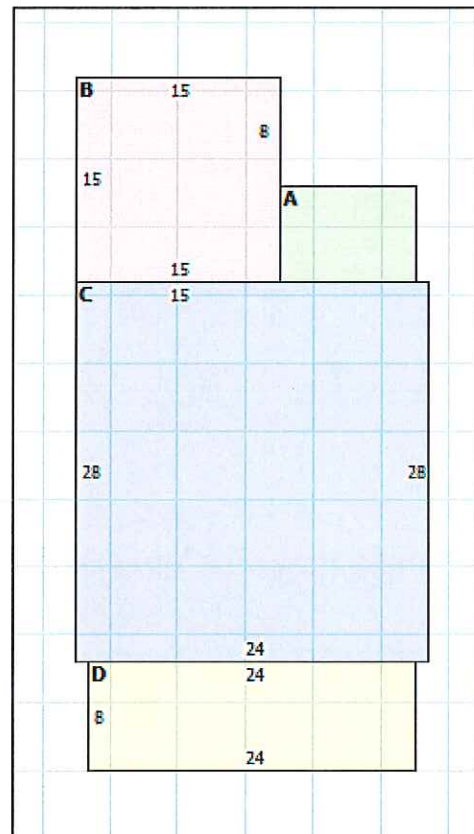
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 621 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel # 231033. This is a two-story (third floor is finished) single-family structure with a detached garage and no other outbuildings. The construction date for this structure was 1913 and the total square footage is approximately 1,751.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 16 homogeneous materials were noted during the inspection. A total of 36 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1/DT1	Duct wrap and duct tape	220 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating ducts in basement and behind 1st and 2nd floor plaster (PL1) walls and ceilings to 2nd and 3rd floor heating ducts. One section of duct on 1st floor has been removed and is on the ground. Also on ground as debris in basement



(Below) Asbestos-containing duct tape (DT1) on duct seams in basement.



RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders

Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
621-01 & 02	RS1	Asphalt-based roof shingle, brown and black	N	On garage roof	NF1	N	None Detected
621-03 & 04	RF1	Asphalt-based roof felt, black	N	Under garage roof shingles	NF1	N	None Detected
621-05 & 06	RF2	Asphalt-based roof felt, black	N	Under house slate shingles	NF1	N	None Detected
621-07 & 08	RSH1	Asphalt-based roof sheeting, gray	N	On house back one-story structure	NF1	N	None Detected
621-09 & 10	WG1	Window glazing	N	On wooden windows of house	NF2	N	None Detected
621-11 & 12	CBD1	Wall and ceiling panel	N	3 rd floor walls and ceiling	NF1	N	None Detected
621-13 & 14	FS1	Floor sheeting. Floral pattern	N	3 rd floor bedrooms and at stair landing to 3 rd floor	NF1	N	None Detected
621-15, 16 & 17	DW1	Finished drywall (drywall board, joint compound and tape)	N	3 rd floor at top of stairs. 1 st floor dining room ceiling over plaster (PL1). Back one-story addition walls and ceiling.	NF2	N	None Detected
621-18 & 19	SS1	Brown stair tread	N	On stairs to 3 rd floor, nailed	NF1	N	None Detected
621-20 through 26	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath	NF2	N	None Detected
621-27 & 28	FT1	12" x 12" floor tile, white ornate, self-adhesive	N	2 nd floor bathroom	NF1	N	None Detected

Field Notes: Exterior: House has wood clapboard siding and block foundation. Slate (stone) roof shingles. 3rd floor roof peak has wood shake siding. Back one-story addition on house has corrugated metal roof. Garage is wood constructed with wood clapboards on walls, wood roof deck and cement floor. Interior: 1st through 3rd floors have wood floors and wood cove base. 1st floor has some carpet over wood floor. Basement has block walls, exposed wood floor joists and cement floor. Furnace is gone and metal duct remains. No hot water tank and pipes are not insulated. Finished basement corner room has wood wall paneling.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
 EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
621-29	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd and 3 rd floor vents behind plaster (PL1) walls and ceiling. One section of duct on 1 st floor has been removed and is on the ground. Basement on original duct in block wall and on duct boots.	F	Y	85% Chrysotile
621-30 & 31	CT1	2' x 4' ceiling tile, random dots & fissures	N	1 st floor kitchen in suspended metal grid	F	N	None Detected
621-32 & 33	FS1	Floor sheeting, tan and orange geometric patter	N	1 st floor kitchen	NF1	N	None Detected
621-34	DT1	Duct tape	Y	Basement on duct seams	F	Y	75% Chrysotile
621-35 & 36	BF1	Asphalt-based building felt, black	N	Under wood shake siding at 3 rd floor roof peaks	NF1	N	None Detected

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
 EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
 Environmental Consulting
 583 Grayton Road
 Berea, Ohio 44017
 216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co.	Report Date: Feb. 2, 2020
5500 Old Brecksville Road	Project No.: 20-04-042
Independence, Ohio 44131	Log No.: 3046

BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Thirty-six (36) samples from the vacant residential structure at 621 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

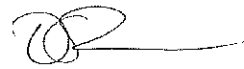
Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 2, 2020

Approved By:


 Daniel C. Peders
 Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Amianthus

Report Date: 02/02/2020
 Project: 20-04-042
 Log No.: 3046

Lab No	Client No.	Description	Location	Color	Asbestos Type(s) Detected				Non-Asbestos Materials				Comments	
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77045	621-01	Roof shingle	Garage roof	Black	0	0	0	0	0	25	0	0	75	
77046	621-02			Brown	0	0	0	0	10	20	0	0	70	
77047	621-03	Roof felt	House roof under slate shingles	Black	0	0	0	0	55	0	0	0	45	
77048	621-04			Black	0	0	0	0	55	0	0	0	45	
77049	621-05	Roof felt	House roof under slate shingles	Black	0	0	0	0	55	0	0	0	45	
77050	621-06			Black	0	0	0	0	55	0	0	0	45	
77051	621-07	Roofing debris	Back 1-stpry addition sloped roof	Gray	0	0	0	0	25	20	0	0	55	
77052	621-08			Gray	0	0	0	0	25	20	0	0	55	
77053	621-09	Window glazing	House wooden windows	White	0	0	0	0	0	0	0	0	100	
77054	621-10			White	0	0	0	0	0	0	0	0	100	
77055	621-11	Wall and ceiling panels	3 rd floor wall	Brown	0	0	0	0	95	0	0	0	5	
77056	621-12		3 rd floor ceiling	Brown	0	0	0	0	95	0	0	0	5	
77057	621-13	Ceiling tile	3 rd floor ceiling	White/Brown	0	0	0	0	95	0	0	0	5	
77058	621-14		1 st floor kitchen ceiling	White/Brown	0	0	0	0	95	0	0	0	5	

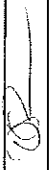
AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

Report Date: 02/02/2020
 Project: 20-04-042
 Log No.: 3046



Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77059	621-15	Finished drywall (drywall board, joint compound and tape)	3 rd floor at top of stairs wall	White	0	0	0	0	3	0	0	0	97	All layers analyzed and no asbestos detected in any of the layers
77060	621-16				0	0	0	0	3	0	0	0	97	
77061	621-17				0	0	0	0	3	0	0	0	97	
77062	621-18	Stair tread	On stairs to 3 rd floor	Brown	0	0	0	0	0	0	0	100		
77063	621-19				0	0	0	0	0	0	0	100		
77064	621-20a	Plaster	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat	
	621-20b				0	0	0	0	0	0	5	95		Bottom scratch coat
77065	621-21a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat	
	621-21b				0	0	0	0	0	0	7	93		Bottom scratch coat
77066	621-22a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat	
	621-22b				0	0	0	0	0	0	7	93		Bottom scratch coat
77067	621-23a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat	
	621-23b				0	0	0	0	0	0	5	95		Bottom scratch coat
77068	621-24a		1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	100	Top finish coat	
	621-24b				0	0	0	0	0	0	7	93		Bottom scratch coat

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By:
 Daniel C. Peders
 Laboratory Director

Amianthus

Report Date: 02/02/2020
 Project: 20-04-042
 Log No.: 3046

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77069	621-25a	Plaster	1 st floor living room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	621-25b													
77070	621-26a	Floor tile	1 st floor living room ceiling above drywall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	621-26b													
77071	621-27	Floor tile	2 nd floor bathroom	White	0	0	0	0	0	0	0	0	100	
77072	621-28	Duct wrap	1 st floor on duct behind plaster wall	White	85	0	0	0	0	0	0	0	15	
77073	621-29	Ceiling tile	1 st floor kitchen	White	0	0	0	0	0	0	0	0	55	
	621-30													
77074	621-31	Floor sheeting	1 st floor kitchen	White	0	0	0	0	0	0	0	0	55	
77075	621-32	Duct tape	Basement on duct seam	Yellow	0	0	0	0	0	35	0	0	65	
	621-33													
77076	621-34	Building felt	Under wood shake siding at 3 rd floor roof peak	Gray	75	0	0	0	0	0	0	0	25	
77077	621-35			Black	0	0	0	0	0	65	0	0	35	
77078	621-36			Black	0	0	0	0	0	65	0	0	35	


AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-fragile organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation



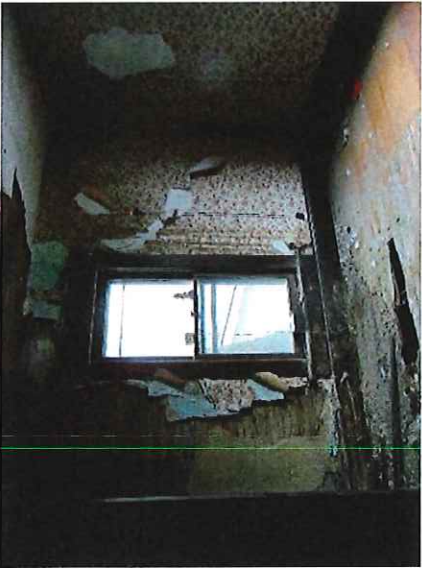


Exhibit A



ASBESTOS MATERIAL SURVEY



Residential Structure

619 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka
Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC
Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 2, 2020

Project Number: 20-04-041

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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure at 619 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Duct wrap

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

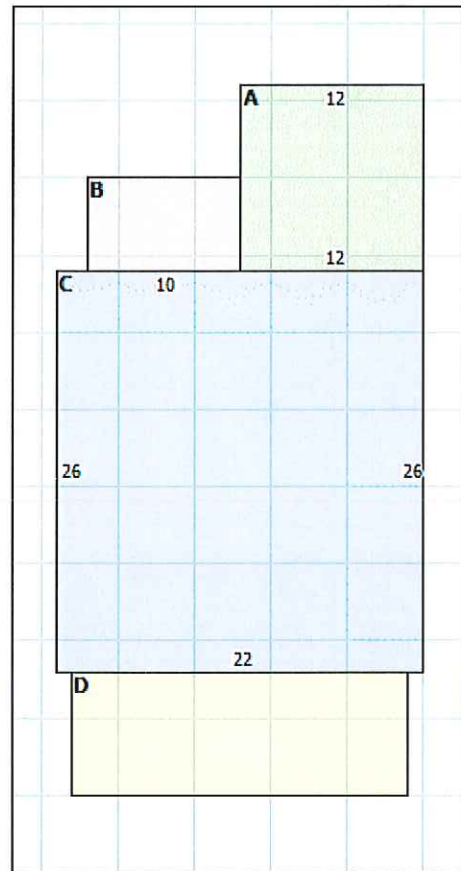
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure at 619 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel # 206423. This is a two-story (third floor is finished) single-family structure with no garage (garage was torn down) or other outbuildings. The construction date for this structure was 1916 and the total square footage is approximately 1,308.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 18 homogeneous materials were noted during the inspection. A total of 41 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1	Duct wrap	180 S.F.

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating ducts in basement and behind 1st floor plaster (PL1) walls and ceilings to 2nd floor heating ducts.




RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders
Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
619-01 & 02	RS1	Asphalt-based roof shingle, brown	N	On house roofs	NF1	N	None Detected
619-03 & 04	RF1	Asphalt-based roof felt, black	N		NF1	N	None Detected
619-05 & 06	WG1	Window glazing	N	On wooden windows of house	NF2	N	None Detected
619-07 & 08	RFX	Asphalt-based roofing debris	N	On back yard where garage was	NF1	N	None Detected
619-09 & 10	CBD1	Wall panels	N	3 rd floor walls and ceiling	F	N	None Detected
619-11 & 12	CT1	12" x 12" ceiling tile, plain white	N	3 rd floor ceiling nailed onto wood joists. 1 st floor kitchen nailed onto wood joists and above suspended	F	N	None Detected
619-13, 14 & 15	BL1	Blown-in insulation, gray	N	In perimeter walls and on ground as debris	F	N	None Detected
619-16 through 22	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath. 2 nd floor has wood wall paneling over PL1 and ceiling plaster is above 2' x 4' ceiling tiles	NF2	N	None Detected*
619-23 & 24	FT1	12" x 12" floor tile, tan marble, self-adhesive	N	2 nd floor bathroom	NF1	N	None Detected

Field Notes: Exterior: Wood clapboard siding and brick foundation. Interior: 3rd floor attic is finished and has wood floor and wood cove base. 1st and 2nd floor has floorboards cut out and removed. Stairs to 2nd floor have been removed but is accessible. 2nd floor has wood wall paneling over plaster walls and has 2' x 4' ceiling tile that are vinyl-faced fiberglass in suspended metal grid. *One of the plaster samples had a trace asbestos by visual estimation but when point counted there was no asbestos detected. 1st floor has wood paneling on kitchen walls. Kitchen sink has no suspect coating. Living room fireplace has no suspect materials. Basement has block and brick walls, exposed wood joists at ceiling and cement floor. Furnace has no suspect materials and metal duct. No hot water tank and pipes are not insulated.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, **NF1** = Non-friable Category I, **NF2** = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020

Date: January 31, 2020

Table 2 – Summary of Asbestos-Containing Materials

Page 2 of 2

Sample Number	Homo-geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
619-25	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PL1) walls and ceiling, Basement on original duct in block wall and on duct boots.	F	Y	85% Chrysotile
619-26 & 27	CB1	4" tan cove base	N	2 nd floor bathroom	NF1	N	None Detected
619-28 & 29	AD1	Yellow mastic for CB1	N		NF1	N	None Detected
619-30 & 31	CT2	2' x 2' ceiling tile, random dost & fissures	N	1 st floor kitchen in suspended metal grid	F	N	None Detected
619-32 & 33	FT2	12" x 12" floor tile, wood block pattern, self-adhesive	N	1 st floor kitchen	NF1	N	None Detected
619-34 & 35	FT3	4" x 12" floor tile, white pebble pattern	N	On stairs from 1 st floor to side entrance	NF1	N	None Detected
619-36 & 37	AD2	Black mastic for FT3	N		NF1	N	None Detected
619-38 & 39	FT4	9" x 9" floor tile, white mottled light blue	N	On stair landing at side entrance	NF1	N	None Detected
619-40 & 41	AD3	Yellow mastic for FT4	N		NF1	N	None Detected

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II
RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.
 Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co. 5500 Old Brecksville Road Independence, Ohio 44131	Report Date: Feb. 2, 2020 Project No.: 20-04-041 Log No.: 3045
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BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Forty-one (41) samples from the vacant residential structure at 619 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

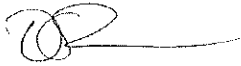
Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 2, 2020

Approved By: 
Daniel C. Peders
Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Amianthus

Report Date: 02/02/2020
 Project: 20-04-041
 Log No.: 3045

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments	
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77004	619-01	Roof shingle	House roof	Black	0	0	0	0	0	0	30	0	0	70	
77005	619-02			Black	0	0	0	0	0	0	30	0	0	70	
77006	619-03	Roof felt		Black	0	0	0	0	0	55	0	0	0	45	
77007	619-04			Black	0	0	0	0	0	55	0	0	0	45	
77008	619-05	Window glazing	House wooden windows	White	0	0	0	0	0	0	0	0	0	100	
77009	619-06			White	0	0	0	0	0	0	0	0	0	100	
77010	619-07	Roofing debris	Backyard at former garage location	Black	0	0	0	0	0	55	0	0	0	45	
77011	619-08			Black/Gray	0	0	0	0	0	35	0	0	0	65	
77012	619-09	Wall panels	3 rd floor walls	Brown	0	0	0	0	0	95	0	0	0	5	
77013	619-10			Black/Brown	0	0	0	0	0	95	0	0	0	5	
77014	619-11	Ceiling tile	3 rd floor ceiling	White/Brown	0	0	0	0	0	95	0	0	0	5	
77015	619-12		1 st floor kitchen ceiling	White/Brown	0	0	0	0	0	95	0	0	0	5	
77016	619-13	Blown-in insulation	2 nd floor in perimeter walls and on ground as debris	Gray	0	0	0	0	0	85	5	0	0	10	
77017	619-14			Gray	0	0	0	0	0	80	5	0	0	15	
77018	619-15			Gray	0	0	0	0	0	90	0	0	0	10	


AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count. Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director



Report Date: 02/02/2020
 Project: 20-04-041
 Log No.: 3045

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77019	619-16a	Plaster	On stairwell wall to 3 rd floor	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-16b													
77020	619-17a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-17b													
77021	619-18a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-18b													
77022	619-19a		On stairwell wall to 2 nd floor	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-19b													
77023	619-20a		1 st floor living room ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-20b													
77024	619-21a		1 st floor living room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-21b													
77025	619-22a		1 st floor kitchen ceiling above ceiling tiles	White	0	0	0	0	0	0	0	0	100	Top finish coat
	619-22b													

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020
 Approved By: [Signature]
 Daniel C. Peders
 Laboratory Director

Report Date: 02/02/2020
 Project: 20-04-041
 Log No.: 3045

Amiantbus

Lab No	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77026	619-23	Floor tile	2 nd floor bathroom	Tan	0	0	0	0	0	0	0	0	100	
77027	619-24			Tan	0	0	0	0	0	0	0	0	100	
77028	619-25	Duct wrap	1 st floor on duct behind plaster wall	White	85	0	0	0	0	0	0	0	15	
77029	619-26	Cove base	2 nd floor bathroom	Tan	0	0	0	0	0	0	0	0	100	
77030	619-27			Tan	0	0	0	0	0	0	0	0	100	
77031	619-28	Mastic for cove base		Yellow	0	0	0	0	0	0	0	0	100	
77032	619-29			Yellow	0	0	0	0	0	0	0	0	100	
77033	619-30	Ceiling tile	1 st floor kitchen	White	0	0	0	0	20	25	0	55		
77034	619-31			White	0	0	0	0	20	25	0	55		
77035	619-32	Floor tile	1 st floor kitchen	Brown	0	0	0	0	0	0	0	100		
77036	619-33			Brown	0	0	0	0	0	0	0	100		
77037	619-34	Floor tile	Stairs to side entrance	White	0	0	0	0	0	0	0	100		
77038	619-35			White	0	0	0	0	0	0	0	100		
77039	619-36	Mastic for floor tile		Black	0	0	0	0	0	0	0	100		


AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

Amianthus

Report Date: 02/02/2020
 Project: 20-04-041
 Log No.: 3045

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments	
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Class/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77040	619-37	Mastic for floor tile	Stairs to side entrance	Black	0	0	0	0	0	0	0	0	0	100	
77041	619-38	Floor tile	On stair landing at side entrance	White	0	0	0	0	0	0	0	0	0	100	
77042	619-39			White	0	0	0	0	0	0	0	0	0	100	
77043	619-40	Mastic for floor tile		Yellow	0	0	0	0	0	0	0	0	0	100	
77044	619-41			Yellow	0	0	0	0	0	0	0	0	0	100	

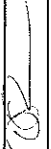
AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantification. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

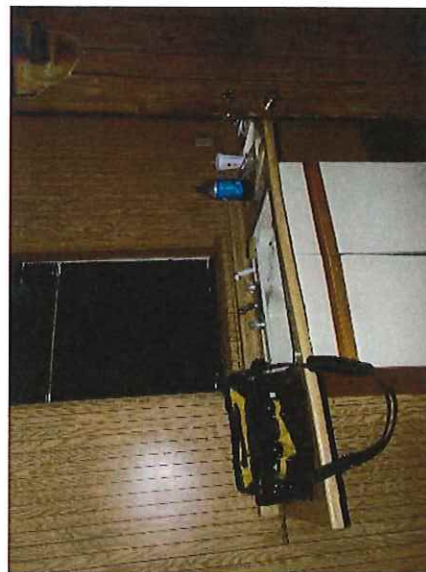
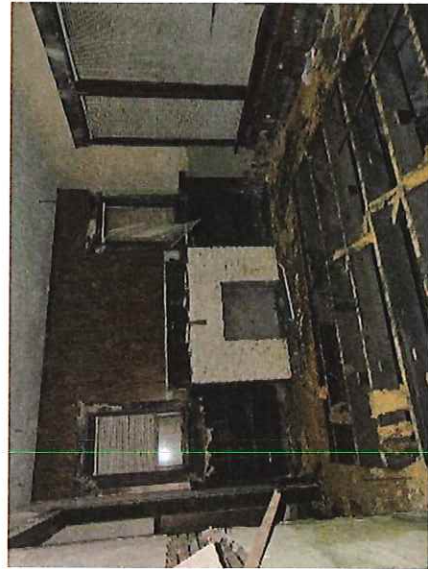
Analysis Performed By: Daniel C. Peders
 Date: February 2, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director

APPENDIX C
Photographic Documentation









ASBESTOS MATERIAL SURVEY



Residential Structure with Attached Garage

647 Arlington Avenue SW
Canton, Ohio 44706

PREPARED FOR:

Mr. Dan Eureka
Precision Environmental Co.
5500 Old Brecksville Road
Independence, Ohio 44131
(216) 642-6040

PREPARED BY:

Amianthus LLC
Daniel C. Peders, CAHES #31134
583 Grayton Road
Berea, Ohio 44017

February 3, 2020

Project Number: 19-04-047

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APPENDIX B - Analytical Reports	
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PROJECT SUMMARY

Amianthus LLC performed an asbestos material survey of the vacant residential structure with attached garage at 647 Arlington Avenue SW in Canton, Ohio. The asbestos material survey was performed to identify potential asbestos exposure concerns prior to demolition of the structure as required by the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) NESHAPS. Sampling was performed in accordance with AHERA 763.86 sampling protocol.

Mr. Daniel C. Peders, performed an inspection of all areas on January 31, 2020. Mr. Peders suspect materials identified during the asbestos abatement. Mr. Peders identified the following:

Friable Asbestos-Containing Materials - Friable asbestos is strictly regulated and must be removed prior to building demolition and/or equipment dismantling. The following Friable asbestos material were sampled and identified to be asbestos-containing:

- Duct wrap and duct tape

Non-friable asbestos is materials that cannot be crumbled by hand pressure when dry and is divided into two categories: Category I and Category II.

Category I non-friable material is material such as floor covering and roof shingles that are not expected to release significant amounts of asbestos fibers during normal demolition activities. These materials are also strictly regulated and can remain in place as long as it will not be subjected to sanding, grinding, cutting or abrading. There were no Category I non-friable asbestos materials identified for this structure.

Category II non-friable material is material such as asbestos-cement products, drywall or plaster that is expected to release significant amounts of asbestos fibers during normal demolition activities. Depending on the potential for fiber release these materials may be required to be removed prior to demolition if the material is expected to release significant fibers. There were no Category II non-friable asbestos materials identified for this structure.

Table 1 in the report provides a summary of estimated quantities. Table 2 in Appendix A provides summary of the suspect asbestos-containing materials and the analytical results.

SCOPE OF WORK

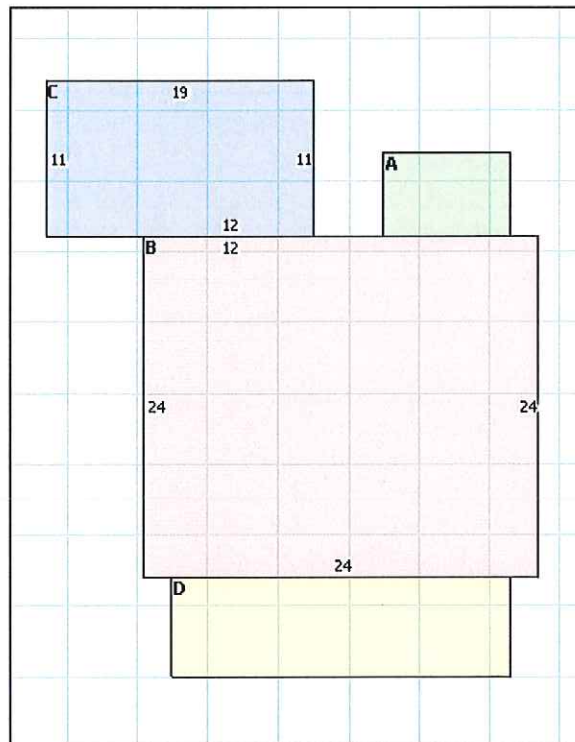
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 647 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected all accessible areas of these structures.

INSPECTION'S LIMITATIONS

The structure to be surveyed was identified by the Mr. Dan Eureka of Precision Environmental Co. All areas were accessible by the inspector.

The following description and drawing to the right are from the Stark County's Auditor online Property Information for Parcel #228447. This is a two-story single-family structure with an attached garage and no other outbuildings. The construction date for this structure was 1916 and the total square footage is approximately 1,398.

This report describes the locations of Asbestos-Containing Materials (ACM) identified in the building at the time of assessment. Amianthus LLC represents that our services are performed within the limits prescribed by applicable regulations and in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representation is made to the client, expressed or implied, and no warranty or guarantee is included or intended. This report is not to be utilized as bidding documents nor is the quantities guaranteed to be accurate. This Assessment is not a Project Design for asbestos abatement activities. All quantities listed are only estimates and should be verified by any/all interested Contractors.



RESULTS

All accessible friable and non-friable materials in the identified functional spaces were sampled and submitted for analysis. A total of 12 homogeneous materials were noted during the inspection. A total of 29 bulk samples were collected from these materials.

The bulk samples were analyzed by Amianthus Labs LLC laboratory that is enrolled in the American Industrial Hygiene Associations Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program, laboratory ID number 198622, for the analysis of asbestos bulk material samples.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of visual area estimation. As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliable detection for asbestos using the PLM method is approximately one percent (1%) by volume.

When "None Detected" (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method (1%). Material reported to contain 1% or less of asbestos by point count analysis is not considered hazardous by U.S. EPA, and therefore, do not require removal and disposal prior to demolition or renovation.

The following table summarizes the type of ACM identified in this limited survey:

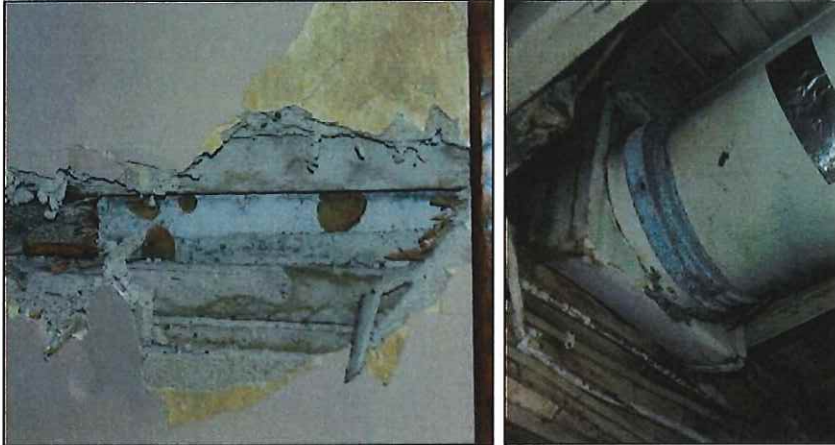
Table 1: ACM Estimated Quantity Summary

Homogeneous Group #	Material Description	Estimated Quantity
DWR1	Duct wrap	160 S.F.
DT1	Duct tape	< 5 S.F.

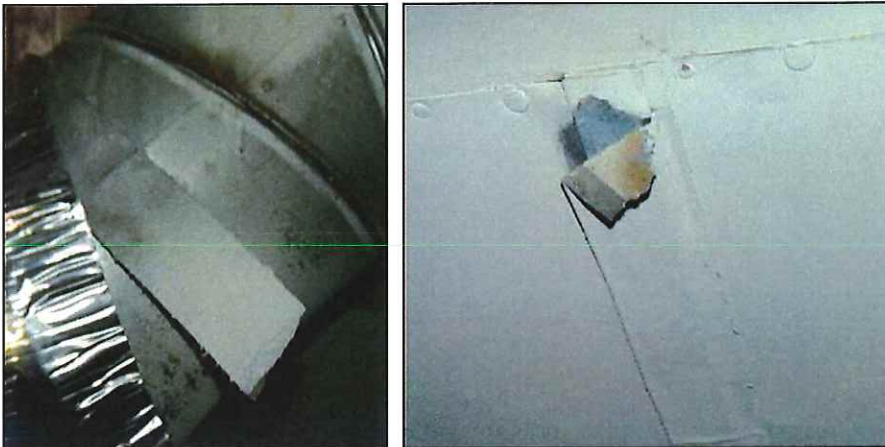
S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPHS

(Below) Asbestos-containing duct wrap (DWR1) on metal heating duct at ceiling in basement and behind 1st and 2nd floor plaster (PL1) walls and ceilings to 2nd floor heating ducts.



(Below) Asbestos-containing duct tape (DT1) on seams of metal heating duct at ceiling in basement



RECOMMENDATIONS

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that Regulated Asbestos Containing Material (RACM) that will be disturbed during demolition be removed. RACM is defined as; (a) friable ACM; (b) category I non-friable ACM that has become friable; (c) category I non-friable ACM that will be or has been subjected to sanding, grinding cutting or abrading; or (d) category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by forces expected to act on the material in the course of demolition or renovation operation.

Based on the understanding that this structure will be demolished, EPA NESHAP regulation requires the removal of all RACM prior to demolition or renovation activities that may disturb these materials.

If you have any questions or concerns regarding the above information, please contact the undersigned at 216-346-7694.

Sincerely,



Daniel C. Peders
Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020



APPENDIX A

Table 2: Asbestos-Containing Material Summary

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
647-01 & 02	RS1	Asphalt-based roof shingle, brown	N	On garage and house roof	NF1	N	None Detected
647-03 & 04	RF1	Asphalt-based roof felt, black	N		NF1	N	None Detected
647-05 & 06	RSH1	Asphalt-based roof sheeting, gray	N	Back 1-story addition sloped roof	NF1	N	None Detected
647-07 through 13	PL1	Plaster walls and ceiling	N	1 st and 2 nd floor walls and ceilings on wood lath	NF2	N	None Detected
647-14, 15 & 16	DW1	Finished drywall (drywall board, joint compound and tape)	N	2 nd floor bathroom walls at tub surround. 1 st floor kitchen ceiling.	NF2	N	None Detected
647-17, 18 & 19	TC1	Textured coating	N	2 nd floor ceilings and bathroom walls. 1 st floor ceilings.	NF2	N	None Detected
647-20 & 21	FT1	12" x 12" floor tile, black and green marble geometric	N	2 nd floor bathroom. 1 st floor bathroom, kitchen and on stairs to basement	NF1	N	None Detected
647-22 & 23	AD1	Yellow mastic for FT1	N		NF1	N	None Detected
647-24 & 25	SB1	Black sink bottom coating	N	1 st floor kitchen sink	NF1	N	None Detected
647-26 & 27	FS1	Floor sheeting, white 6" squares with center black diamond	N	Basement remnant on floor	NF1	N	None Detected

Field Notes: Exterior: House has vinyl siding over wood clapboard siding and brick foundation with glass block foundation. Newer replacement windows with no suspect glazing or caulk. Garage has brick walls with glass block windows. Interior: 3rd floor attic is not finished and has wood roof joists, wood roof deck and wood floor. Foamboard insulation over windows and some fiberglass batt insulation in between wood rafters. 1st and 2nd floors have wood floors and wood cove base. 1st floor has some carpet over wood floors. 1st floor living room fireplace has no suspect materials. 1st floor bathroom has wood tile-like wall paneling. Basement has block and brick walls, cement floor and exposed wood joists at ceiling. Some miscellaneous carpet on basement floor. Furnace has no suspect materials and metal ducts with some foil-faced fiberglass insulation. Hot water tank has no suspect materials and pipes are either not insulated or have black rubber pipe insulation. Garage area has no suspect materials. Garage interior has cement block and brick walls, cement floor and wood roof deck.

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.

Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

Table 2 – Summary of Asbestos-Containing Materials

Sample Number	Homogeneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
647-28	DWRI	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PL1) walls and ceiling. Basement on heating duct boots at ceiling.	F	Y	85% Chrysotile
647-29	DT1	Duct tape	Y	Basement on seams of heating ducts	F	Y	65% Chrysotile

Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method.
EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II

RACM classification is based on normal demolition procedures and does not apply if the structure will be burned intentional for live fire training or recycled.



Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020

APPENDIX B
Analytical Reports

Amianthus

Amianthus LLC
Environmental Consulting
583 Grayton Road
Berea, Ohio 44017
216-346-7694 fax 440-891-0022

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co. 5500 Old Brecksville Road Independence, Ohio 44131	Report Date: Feb. 3, 2020 Project No.: 20-04-047 Log No.: 3051
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BULK SAMPLE ANALYSIS SUMMARY

Sample Identification:

Twenty-nine (29) samples from the vacant residential structure at 647 Arlington Avenue SW, Canton, Ohio were submitted by Daniel C. Peders.

These bulk samples were delivered to Amianthus LLC laboratory in Berea, Ohio for asbestos content determination.

Analytical Method:

Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-619-116). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites.

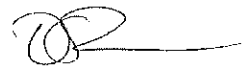
Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

Analysis Performed By: Daniel C. Peders
Date: February 3, 2020

Approved By:


Daniel C. Peders
Laboratory Director

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those item(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

Report Date: 02/03/2020
 Project: 20-04-047
 Log No.: 3051

Amianthus

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments	
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77191	647-01	Roof shingle	Garage roof	Brown	0	0	0	0	0	0	30	0	0	70	
77192	647-02			Brown	0	0	0	0	0	0	30	0	0	70	
77193	647-03	Roof felt		Black	0	0	0	0	0	55	0	0	0	45	
77194	647-04			Black	0	0	0	0	0	55	0	0	0	45	
77195	647-05	Roof sheeting	House back 1-story sloped roof	Gray	0	0	0	0	0	20	15	0	0	65	
77196	647-06			Gray	0	0	0	0	0	20	15	0	0	65	
77197	647-07a	Plaster	2nd floor stairwell wall to 3 rd floor	White	0	0	0	0	0	0	0	0	0	100	Top finish coat
	647-07b			Tan	0	0	0	0	0	0	0	0	3	97	Bottom scratch coat
77198	647-08a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	0	100	Top finish coat
	647-08b			Tan	0	0	0	0	0	0	0	0	5	95	Bottom scratch coat
77199	647-09a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	0	100	Top finish coat
	647-09b			Tan	0	0	0	0	0	0	0	0	3	97	Bottom scratch coat
77200	647-10a		Stairwell ceiling to 2 nd floor	White	0	0	0	0	0	0	0	0	0	100	Top finish coat
	647-10b			Tan	0	0	0	0	0	0	0	0	5	95	Bottom scratch coat


AIHA PAT for Bulk Asbestos no. 198622

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Analysis Method: EPA 600/R-93/116

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantitation. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders
 Date: February 3, 2020

Approved By: 
 Daniel C. Peders
 Laboratory Director



Report Date: 02/03/2020
 Project: 20-04-047
 Log No.: 3051

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials				Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials		
77201	647-11a	Plaster	1st floor stairwell ceiling	White	0	0	0	0	0	0	0	0	100	Top finish coat
	647-11b													
77202	647-12a		1st floor dining room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	647-12b													
77203	647-13a		1st floor living room wall	White	0	0	0	0	0	0	0	0	100	Top finish coat
	647-13b													
77204	647-14	Finished drywall (drywall board, joint compound and tape)	2nd floor bathroom wall	White	0	0	0	0	3	0	0	0	97	All layers analyzed and no asbestos detected in any of the layers
77205	647-15		2nd floor bathroom ceiling	White	0	0	0	0	3	0	0	0	97	
77206	647-16		White	0	0	0	0	3	0	0	0	97		
77207	647-17	Textured coating	2nd floor bedroom ceiling	White	0	0	0	0	0	0	0	0	100	
77208	647-18		Stairwell ceiling to 2nd floor	White	0	0	0	0	0	0	0	0	100	
77209	647-19		1st floor living room ceiling	White	0	0	0	0	0	0	0	0	100	
77210	647-20	Floor tile	2nd floor bathroom	Black	0	0	0	0	0	0	0	0	100	
77211	647-21		Stair to basement	Green	0	0	0	0	0	0	0	0	100	
77212	647-22	Mastic for floor tile	2nd floor bathroom	Yellow	0	0	0	0	0	0	0	0	100	

AIHA PAT for Bulk Asbestos no. 198622

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Analysis Performed By: Daniel C. Peders
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Amiantibus

Report Date: 02/03/2020
 Project: 20-04-047
 Log No.: 3051

Lab No.	Client No.	Description	Location	Color	Asbestos Type(s) Detected					Non-Asbestos Materials					Comments
					% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials			
77213	647-23	Mastic for floor tile	Stair to basement	Yellow	0	0	0	0	0	0	0	0	0	100	
77214	647-24	Sink bottom coating	Kitchen	Black	0	0	0	0	0	0	0	0	0	100	
77215	647-25			Black	0	0	0	0	0	0	0	0	0	100	
77216	647-26	Floor sheeting	Basement	White	0	0	0	0	20	0	0	0	0	80	
77217	647-27			White	0	0	0	0	20	0	0	0	0	80	
77218	647-28	Duct wrap	Behind plaster wall on 1 st floor	White	85	0	0	0	0	0	0	0	0	15	
77219	647-29	Duct tape	Basement on duct seam	Gray	65	0	0	0	0	0	0	0	0	35	

3 of 3

AIHA PAT for Bulk Asbestos no. 198622

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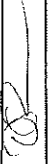
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Analysis Performed By: Daniel C. Peders

Date: February 3, 2020

Approved By:


 Daniel C. Peders
 Laboratory Director

APPENDIX C

Photographic Documentation

