Aultman Project 2020 – City of Canton, Ohio

Exhibit "A"		Aultman Project 2020					
Address	Sq. Footage	Garage	Testing	di			
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
- Perform Asbestos Abatement from all properties (Testing results attached to bid)

 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 sidewalls. 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

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

aluation 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

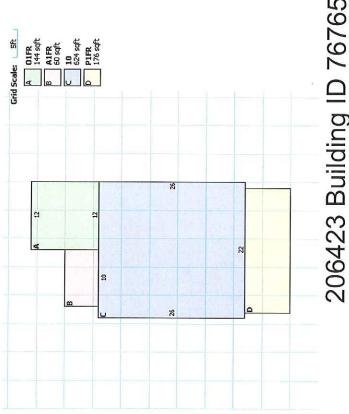
Land Details											
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value			
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200			

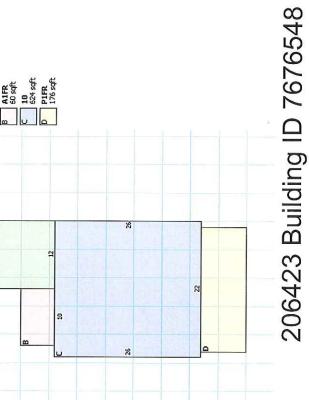
es Details										
Date	Work Order Number	Work Order Year	Number Of Parcels	Arms Length	Sale Price	Taxable Value				
5/20/2019	005384	2019	1	YES	\$170,000	\$11,660				
2/18/1992	1541	1992	0	NO	\$0	\$7,500				

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				







Property Record Card - Alan Harold, Stark County Auditor

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

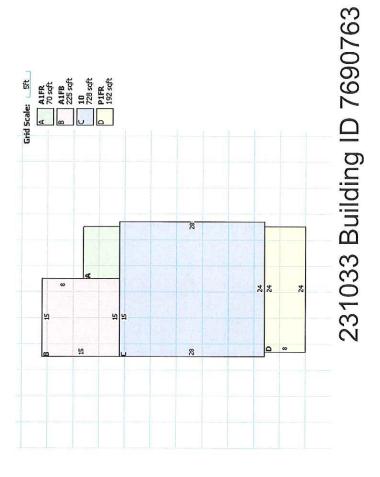
uation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$9,200	\$3,220	\$13,800	\$4,830	\$23,000	\$8,050
2017	\$9,600	\$3,360	\$12,800	\$4,490	\$22,400	\$7,850
2016	\$9,600	\$3,360	\$12,700	\$4,450	\$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			

es 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				

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				





Property Record Card - Alan Harold, Stark County Auditor

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 Allot	ment Information Available

Year	Appraised Land	Assessed Land	Appraised Building	Assessed Building	Appraised Total	Assessed Total
	Value	Value	Value	Value	Value	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

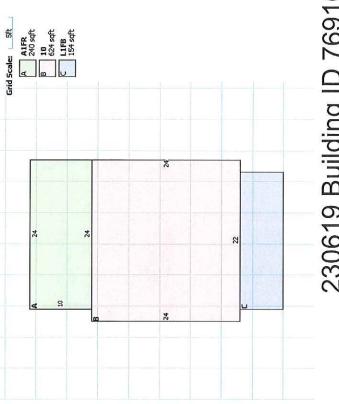
Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

les 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			

Details for Primary B	uilding 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 Improvem	ent 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







Property Record Card - Alan Harold, Stark County Auditor

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 Þ

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uation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Tota 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

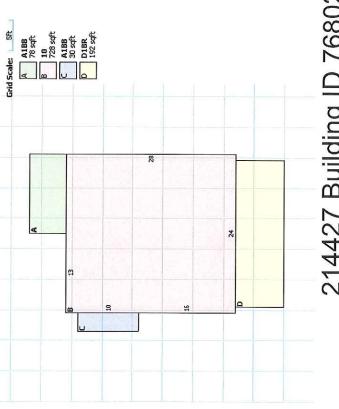
Land Details								
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200

les 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			

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

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

ation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Tota 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

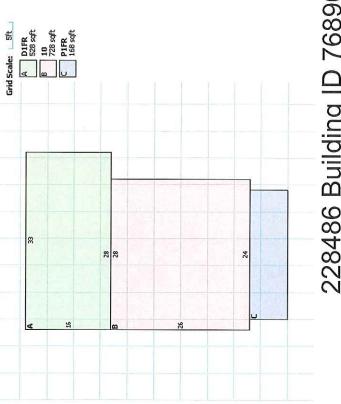
Land Details										
Description	Acreage	Frontage	Depth	Area (sqft)	Method	Rate	Adj %	Value		
HOUSE LOT		43	142	6,106	FF	\$470.00	0	\$9,200		

les 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				

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	8078 -			
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

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

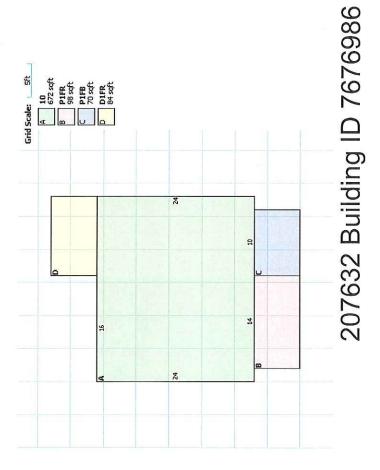
luation Details						
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value
2018	\$5,500	\$1,930	\$21,600	\$7,560	\$27,100	\$9,490
2017	\$5,700	\$2,000	\$19,300	\$6,760	\$25,000	\$8,760
2016	\$5,700	\$2,000	\$19,300	\$6,760	\$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		

es 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	

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		





Property Record Card - Alan Harold, Stark County Auditor

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

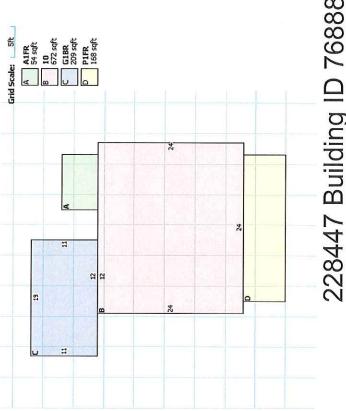
/aluation Details								
Year	Appraised Land Value	Assessed Land Value	Appraised Building Value	Assessed Building Value	Appraised Total Value	Assessed Total Value		
2018	\$5,500	\$1,930	\$21,700	\$7,600	\$27,200	\$9,530		
2017	\$5,700	\$2,000	\$19,700	\$6,900	\$25,400	\$8,900		
2016	\$5,700	\$2,000	\$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

les 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		

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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APPENDIX B - Analytical Reports	

APPENDIX C - Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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 <u>no</u> 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

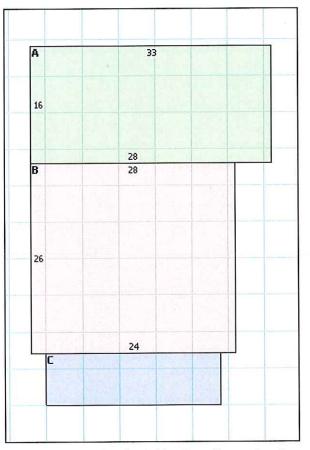
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 643 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

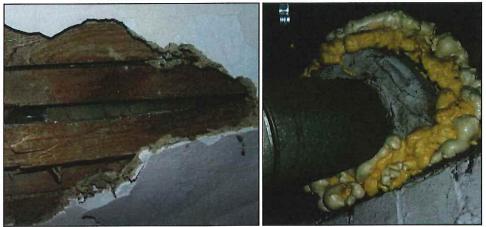
Homogeneous Group #	Material Description	Estimated Quantity
DWR1	Duct wrap	180 S.F.

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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



Exhibit A

APPENDIX A

Table 2: Asbestos-Containing Material Summary

Materials
Containing
of Asbestos-(
Summary of
Table 2 –

			•)			Page 1 of 1
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
643-01 & 02	RSI	Asphalt-based roof shingle, gray	z	On garage roof	NF1	Z	None Detected
643-03 & 04	RF1	Asphalt-based roof felt, black	Ν		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	z	None Detected
643-12 & 13	SB1	White sink bottom coating	N	1st floor kitchen sink	NF2	Z	None Detected
643-14, 15 & 16	DW1	Finished drywall (drywall board, joint compound and tape)	Z	2 nd floor bathroom walls and ceiling.	NF2	Z	None Detected
643-17, 18 & 19	TCI	Textured coating	z	2 nd floor bathroom ceiling	NF2	z	None Detected
643-20	DWR1	Duct wrap	Y	On heating duct from basement to 2 nd floor vents behind plaster (PL I) walls and ceiling. Basement on heating duct boots at ceiling.	Щ	Y	75% Chrysotile
Field Notes: Exte over wood floors a Carpet on stairs to has block and bric Hot water tank ha	rior: House and wood c basement. sk walls, ce s no suspec	Field Notes: <u>Exterior</u> : House has vinyl siding over wood clapboard siding and brick foundation. Garage is over wood floors and wood cove base. 1 st floor living room fireplace has no suspect materials. Plastic woot Carpet on stairs to basement. 3 rd floor attic is not finished and has wood roof joists, wood roof deck and has block and brick walls, cement floor and exposed wood joists at ceiling. Some miscellaneous carpet of Hot water tank has no suspect materials and pipes are not insulated. Garage area has no suspect materials.	siding and ce has no s wood roof tt ceiling. S	Field Notes: <u>Exterior</u> : House has vinyl siding over wood clapboard siding and brick foundation. Garage is part of the basement. <u>Interior</u> : 1 st and 2 nd floors have carpet over wood floors and wood cove base. 1 st floor living room fireplace has no suspect materials. Plastic wood=like flooring at front entrance, dining room and kitchen. Carpet on stairs to basement. 3 rd 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 celling. 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.	Interior: 1 st nt entrance, l insulation nace is gon	and 2 nd flo dining roo over winc e and met	oors have carpet om and kitchen. lows. Basement al duct remains.

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

Exhibit A

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. 3, 2020

 Project No.:
 20-04-046

Log No.:

3050

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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

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

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No.DescriptionLocationColor% Mmosile71171643-01Roof shingleHouse roofGray0071172643-03Roof shingleHouse roofGray0071173643-04Roof shingleHouse roofGray0071174643-04Roof felt1* floor living room cellingWhite0071175643-05Plaster1* floor living room cellingWhite0071175643-058Plaster1* floor living room cellingWhite0071176643-0581* floor living room cellingWhite00071176643-0581* floor living room cellingWhite00071176643-0581* floor living room valingWhite00071177643-07b643-07b1* floor living room valingWhite0007117643-07b643-07b1* floor living room valing1* floor living room valing0007117643-07b643-07b<									
$643-01$ Roof shingleHouse roof $Cray0643-02e43-02Cof ehtCray0643-03Roof feltE43-05E43-05E43-05E43-05643-05aPlaster1^{rt} floor living room cellingWhite0643-05aPlaster1^{rt} floor living room cellingWhite0643-05aPlaster1^{rt} floor living room cellingWhite0643-05a643-05b1^{rt} floor living room vallWhite0643-05a643-05a1^{rt} floor living room vallWhite0643-07a643-07a1^{rt} floor kitchen wallWhite0643-07a643-07a1^{rt} floor kitchen wallWhite0643-07a1^{rt} floor kitchen wallWhite01643-07b1^{rt} floor kitchen wallWhite00643-07b1^{rt} floor kitchen wallWhite00643-07a1^{rt} floor kitchen wallWhite00843-07a1^{rt} floor kitchen wall1^{rt} floor kitchen wall00$		əlitozyır) %	9jizomA %	% Crocidolite % Other	esolulie) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Matenals	Comments
$643-02$ $643-02$ $Caray$ 0 $643-03$ Roof felt $Black$ 0 $Black$ 0 $643-04$ $Black$ 0 0 1^{st} floor living room celling $White$ 0 $643-05a$ Plaster 1^{st} floor living room celling $White$ 0 0 $643-05a$ Plaster 1^{st} floor living room celling $White$ 0 0 $643-05a$ $643-05a$ 1^{st} floor living room wall $White$ 0 0 $643-05a$ $643-05a$ 1^{st} floor kitchen wall $White$ 0 0 $643-07a$ $643-07a$ 1^{st} floor kitchen wall $White$ 0 0 $643-07a$ $643-07a$ 1^{st} floor kitchen wall $White$ 0 0	Gray	Q	0	0	0	35	0	65	
	Gray	0	0	0	0	35	0	65	
$643-04$ $E43-04$ $Black$ 0 $643-05a$ $Plaster$ 1^{st} floor living room celling $White$ 0 $643-05b$ 1^{st} floor living room valit Tan 0 $643-05b$ 1^{st} floor living room valit $White$ 0 $643-05a$ 1^{st} floor living room valit $White$ 0 $643-05a$ 1^{st} floor living room valit $White$ 0 $643-07a$ 1^{st} floor kitchen wall $White$ 0 $643-07a$ 1^{st} floor kitchen wall $White$ 0 $643-07a$ 1^{st} floor kitchen wall $White$ 0	Black	0	0	0	55	0	٥	45	
643-05a Plaster 1st floor living room celling White 0 1 643-05b E43-05b Tan 0 1 0 1 643-05b E43-05b 1st floor living room walt White 0 0 1 643-05b E43-05b 1st floor living room walt White 0 1 643-07a E43-07a Tan 0 1 1 1 0 1 643-07b E43-07b Tan 0 1 0 1 0 1	Black	0	0	0	55	0	0	45	
643-05b Tan 0 643-06a Vhite 0 643-06a Vhite 0 643-07a Tan 0 643-07a Tan 0 643-07b Tan 0 643-07b Tan 0		0	0	0 0	0	0	0	100	Top finish coat
643-06a 1 st floor living room walf White 0 643-05b Tan 0 643-07a 1 st floor kitchen wall White 0 643-07b 1 st floor kitchen wall 0 1	Tan	0	0	0	0	0	5	95	Bottom scratch coat
643-06b Tan 0 643-07a Vhite 0 643-07b Tan 0	all	0	0	0	0	0	0	100	Top finish coat
643-07a 1st floor kitchen wall White 0 643-07b Tan 0	Tan	0	0	0	0	0	5	95	Bottom scratch coat
643-07b 0		0	0	0	0	0	0	100	Top finish coat
	Tan	0	0	0	0	0	ю	67	Bottom scratch coat
643-08a 643-08a 0 0		0	0	0	0	0	0	100 1	Top finish coat
//1/8 643-08b Tan 0 0	Tan	0	0	0	0	0	5	95	Bottom scratch coat
843-09a 2 nd floor bedroom ceiling VVhite 0 0		0	0	0	0	0	0	<u>1</u> 0	Top finish coat
7/1/9 643-09b 0 0	Tan	0	0	0	0	٥	ო	67	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-fitable 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

Laboratory Director

Daniel C. Peders Approved By:...

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

Amianthus

Exhibit A

					Asbestos Type(s) Detected	pe(s) Detec	ted		Non-Asbe	Non-Asbestos Materials	ials		2 of 2
Lab No.	Client No.	Description	Location	Color	əlijosynt) %	ajisomA %	% Crocidolite	notio %	əsoinilə) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
1400	643-10a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
// 100	643-10b			Tan	0	0	0	0	0	0	7	93	Bottom scratch coat
101	643-11a	1	2 nd floor hallway wall	White	0	0	0	0	0	0	0	100	Top finish coat
10177	643-11b	F		Tan	0	0	0	0	0	a	5	95	Bottom scratch coat
77182	643-12	Sink bottom coating	House wooden window	White	0	0	0	0	0	0	0	100	
77183	643-13			White	0	0	0	0	0	0	O	100	
77184	643-14	Finished drywall	2 nd floor bathroom wall	White	0	0	0	0	ĸ	0	0	97	All layers analyzed
77185	643-15	(drywall board, joint compound and tape)	2 nd floor bathroom celling	White	0	0	0	ο	з	0	0	97	and no asbestos detected in any of the
77186	643-16			White	0	0	0	0	ю	0	0	97	layers
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	<u>1</u> 0	
77190	643-20	Duct wrap	Behind plaster wall on 1 [≪] floor	Tan	75	0	0	0	0	0	0	25	

AIHA PAT for Bulk Asbestos no. 198622

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

Laboratory Director Daniel C. Peders

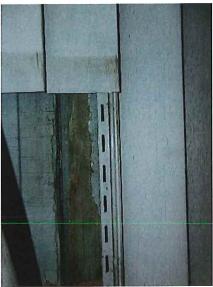
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Approved By:_

APPENDIX C

Photographic Documentation













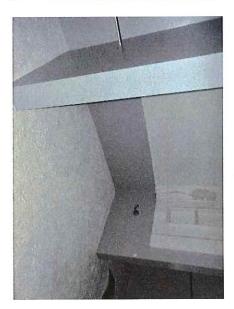


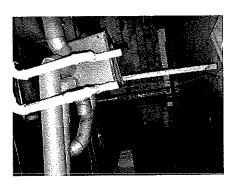


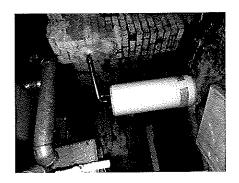












ASBESTOS MATERIAL SURVEY



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 <u>cannot</u> 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 <u>no</u> 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 <u>no</u> 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

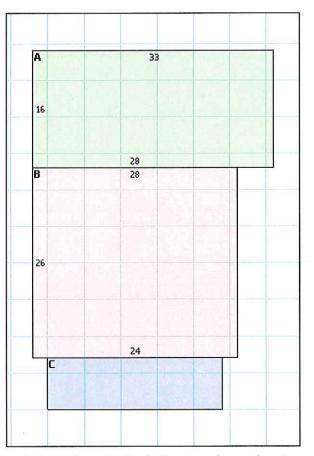
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 639 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

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

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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

Materials
Containing]
Asbestos-(
ummary of A
Table 2 – S

				0			Page 1 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
639-01 & 02	RSI	Asphalt-based roof shingle, brown	Z	On garage roof	NF1	N	None Detected
639-03 & 04	RF1	Asphalt-based roof felt, black	Z		NFI	Z	None Detected
63 9- 05 & 06	WG1	Window glazing	N	House wooden windows	NF2	Ν	None Detected
639 - 07, 08 & 09	DWI	Finished drywall (drywall board, joint compound and tape)	N	3 rd floor walls and ceiling. 2 nd floor bathroom walls and ceiling.	NF2	Z	None Detected
639-10, 11 & 12	TC1	Textured coating	Z	1st through 3rd 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	Z	None Detected
639 - 20 & 21	FS1	Floor sheeting, gray 12" squares	Ν	2 nd floor bathroom	NF1	N	None Detected
639-22 & 23	FS2	Floor sheeting, tan and brown blocks	Ν	1st floor kitchen	NFI	N	None Detected
639-24 & 25	CB1	4" dark brown cove base	N		NFI	N	None Detected
639-26 & 27	AD1	Tan panel mastic	N		NF1	z	None Detected
639 - 28 & 29	SB1	Black sink bottom coating	N	1st floor kitchen sink	NF1	Z	None Detected
Field Notes: <u>Exterior</u> : House has vir deck and cement floor. <u>Interior</u> : 1 ^{at} t -faced fiberglass in attic crawlspace. wood paneling on walls up to 3' and has block and brick walls, exposed w materials and pipes are not insulated	<u>arior</u> : Hous floor. <u>Inte</u> in attic crav walls up t k walls, ev ss are not in	Field Notes: <u>Exterior</u> : House has vinyl siding over wood clapboard deck and cement floor. <u>Interior</u> : 1 st through 3 rd floors have wood floced fiberglass in attic crawlspace. 2 nd floor bathroom has some v wood paneling on walls up to 3 st and ceramic tile at counter as spla has block and brick walls, exposed wood joists at ceiling and ceme materials and pipes are not insulated.	f siding and loors and w vood panel sh guard. K int and bric	Field Notes: <u>Exterior</u> : 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. <u>Interior</u> : 1 st through 3 rd floors have wood floors and wood cove base. 1 st and 2 nd floors have carpet over wood floors. 3 rd floor has some paper-faced fiberglass in attic crawlspace. 2 nd floor bathroom has some wood paneling at tub surround. 1 st 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.	th vinyl sid wood floors has no susp ss in susper al duct. Hot	ing over w s. 3 rd floor tect materi nded metal water tanl	/ood, wood roof has some paper als. Kitchen has grid. Basement k has no suspect
Asbestos as Asber EPA Categories:	stos-Conta F = Friab	Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by wei EPA Categories: F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II	ar than one perc NF2 = Non-fri	is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method. regory I, NF2 = Non-friable Category II	t (PC) meth	lod.	

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.

							Page 2 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA RACM Category (Y/N)*	EPA RACM ategory (Y/N)*	Analytical Results
639-30	DWRI	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.	jц	Y	85% Chrysotile
639-31	DT1	DT1 Duct tape	Υ	Basement on metal duct seam	ц	Y	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

Table 2 - Summary of Asbestos-Containing Materials

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.

 Report Date:
 Feb. 2, 2020

 Project No.:
 20-04-045

 Log No.:
 3049

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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

02/03/2020 20-04-045 Report Date: Project:

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Asbestos T	Asbestos Type(s) Detected	cted		Non-Asbe	Non-Asbestos Materials	ials		1 of 3
.oN deJ	Client No.	Description	Location	Color	əlitosynt) %	efisomA %	% Crocidolite	nertiO %	əsolulləƏ %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77140	639-01	Roof shingle	Garage roof	Brown	0	0	0	0	0	35	0	65	
77141	639-02			Brown	0	0	0	0	0	35	0	65	
77142	639-03	Roof felt		Black	0	0	0	0	55	0	0	45	
77143	639-04			Black	0	0	0	0	55	0	a	45	-
77144	639-05	Window glazing	House wooden window	White	0	0	0	0	0	0	0	100	
77145	90-629			White	0	0	0	0	ю	0	0	97	
77146	639-07	Finished drywall	3 rd floor celling	White	0	0	0	0	ю	0	0	97	All layers analyzed
77147	639-08	(drywall board, joint compound and tape)	3 rd floor wall	White	ο	0	0	0	в	0	0	67	and no asbestos detected in any of the
77148	639-09		2 nd floor bathroom wall	White	0	0	٥	0	3	0	ο	67	layers
77149	639-10	Textured coating	3rd floor celling	VVhite	0	0	0	0	0	0	0	100	
77150	639-11		2 nd floor bedroom celling	White	0	0	0	0	0	0	o	100	
77151	639-12		1 st floor living room ceiling	White	0	0	0	0	0	0	0	100	
774 60	639-13a	Plaster	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
701/	639-13b			Tan	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 AlHA 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 consistent 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) Ş means that asbestos was detected but is not quantifiable under the Point Count regimen.

Laboratory Director Daniel C. Peders

Approved By:_

Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

02/03/2020 20-04-045 Report Date: Project: Log

Log No.:	3049												en li minim
		-	-	6	Asbestos Type(s) Detected	pe(s) Dete	cted		Non-Asb	Non-Asbestos Materials	erials		2 of 3
.on de l	Client No.	Description	Location	Color	əlitosynt) %	əlieomA %	etitobioon 0 %	% Ofher	əsolullə) %	% Fibrous Class/ Mineral Wool	% Ofher Fibrous Materials	% Non-Fibrous Materials	Comments
10022	639-14a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
1 0 0 4	639-14b			Tan	0	0	0	o	0	0	5	35	Bottom scratch coat
77005	639-15a		Stairwell to 2 nd floor wall	White	0	0	٥	0	0	0	٥	100	Top finish coat
	639-15b			Tan	0	o	٥	0	0	0	ო	8	Bottom scratch coat
77006	639-16a		1 st floor living room celling	White	0	0	0	٥	0	0	0	100	Top finish coat
	639-16b			Tan	o	0	0	0	0	0	5	8	Bottom scratch coat
20022	639-17a		1st floor living room wall	White	0	0	0	0	0	0	٥	100	Top finish coat
18011	639-17b			Tan	0	0	0	0	0	0	5	95	Bottom scratch coat
77008	639-18a		1st floor kitchen ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
00011	639-18b			Tan	0	0	0	0	0	0	7	93	Bottom scratch coat
00022	639-19a		1st floor kitchen wall	White	0	0	0	0	0	0	0	100	Top finish coat
880 / /	639-19b			Tan	0	0	0	0	ο	0	e	06	Bottom scratch coat
77100	639-20	Floor sheeting	2 nd floor bathroom	Gray	0	0	0	0	25	0	0	75	
77101	639-21			Gray	0	0	0	0	25	O	٥	75	
77102	639-22	Floor sheeting	1st floor kitchen	Tan	0	0	0	0	30	0	0	70	
			ATHA PA'	HA PAT for Rulk Ashestos no 198622	A sheetc	l ou s	08677						
		This cor		those item(s) tested and does not represent an endorsement by AlHA or any agency of the U.S. Government	represent an end	orsement by	41HA or any a	gency of the	U.S. Govern	ment			

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)

Analysis Method: EPA 600/R-93/116

means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

Laboratory Director

Daniel C. Peders Þ Approved By:_

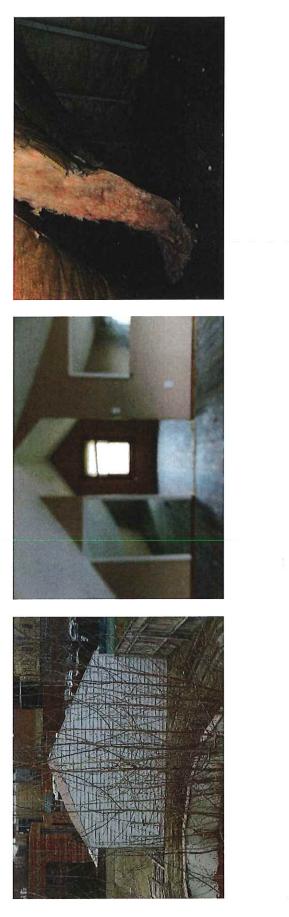
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Daniel C, Peders Laboratory Director

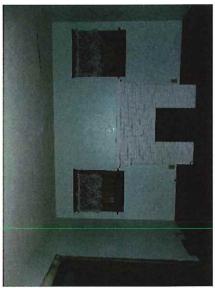
Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

APPENDIX C

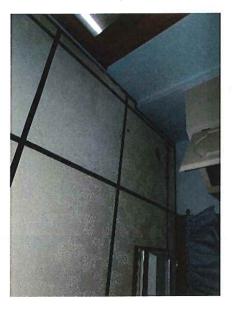
Photographic Documentation





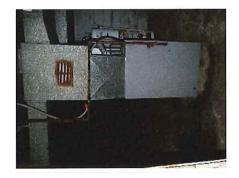


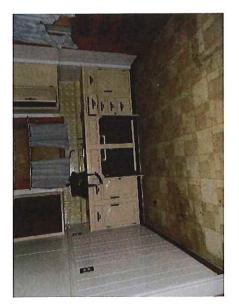














ASBESTOS MATERIAL SURVEY



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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APPENDIX C - Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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

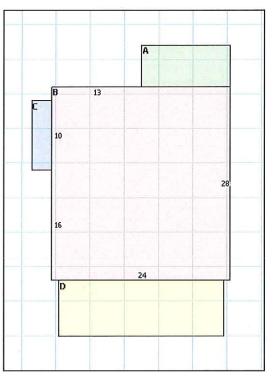
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 631 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

Homogeneous Group #	Material Description	Estimated Quantity
PL1	Plaster walls and ceilings	11,642 S.F.
Bl1	Boiler insulation	60 S.F.

Table 1: ACM Estimated Quantity Summary

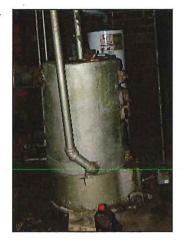
S.F. = Square Feet

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



e.

APPENDIX A

Table 2: Asbestos-Containing Material Summary

Materials
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Table 2 – S

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Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
631-01 & 02	RSI	Asphalt-based roof shingle, gray	Z	On house and garage roofs. Some shingles are	NF1	N	None Detected
631-03 & 04	RF1	Asphalt-based roof felt, black	N	stored outside next to the garage.	NF1	N	None Detected
631-05 & 06	BF1	Asphalt-based building felt, black	Z	House under wood shake siding at dormers	NFI	N	None Detected
631-07 & 08	WG1	Window glazing	Z	On house and garage wooden windows	NF2	N	None Detected
631-09 through 16	PLI	Plaster walls and ceiling	Y	$1^{\rm st}$ through $3^{\rm rd}$ 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	NFI	N	None Detected
631-19 & 20	FT1	12" x 12" floor tile, as tan 6" squares, self-adhesive	N	1st floor kitchen	NFI	N	None Detected
631-21, 22 & 23	TC1	Textured coating	Z	1st 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: <u>Exter</u> and cement floor. Steam radiators on to 2 nd floor radiato paneling o walls up ceiling. Basement are not insulated.	rior: House Garage is : 1 1ª and 2 nd ors are not p to 4'. 1 st , has brick v	brick with brick foundation. Wood sh filled with junk. <u>Interior</u> : 1 st through 3 floors have no suspect materials and e insulated. Expansion tank in 2 nd floor floor living room fireplace has no susp valls, exposed wood floor joists and o	ake siding rd floors ha xposed pip 'hall close ect materia enent floor	Field Notes: <u>Exterior</u> : House brick with brick foundation. Wood shake siding at 3^{rd} floor dormers. Garage is wood constructed with wood clapboards, wood roof deck and cement floor. Garage is filled with junk. <u>Interior</u> : 1 st through 3^{rd} floors have wood floors and wood cove base with carpet over wood floors on 1 st and 2^{nd} floors. Steam radiators on 1 st and 2^{nd} floors have no suspect materials and exposed pipes are not insulated. Steam heating pipes behind 1 st floor plaster (PL1) walls and ceilings to 2^{nd} floor radiators are not insulated. Expansion tank in 2^{nd} floor hall closet has no suspect materials and pipes are not insulated. 2^{nd} floor bathroom has tile-like paneling o walls up to 4'. 1 st 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 tinsulated. Boiler pipes are not insulated.	tth wood cl /er wood fl floor plaste ted. 2 nd flo eling on bas l pipes are 1	apboards, oors on 1 ^s oor bathro sement sta oot insulat	wood roof deck ^a and 2 nd floors. alls and ceilings om has tile-like irwell walls and ed. Boiler pipes

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.

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

			•)			Page 2 of 2
Sample Number	Homo- geneous LD.	Sample Description	Asbestos (Y/N)	Location	EPA RACM Category (Y/N)*	EPA RACM ategory (Y/N)*	Analytical Results
631 - 26 & 27	FS1	Floor sheeting, yellow and orange pebbles	Z	On stairs to basement	NF1	Z	None Detected
631-28	BII	Boiler insulation	Y	Y On exterior of boiler in basement	F	Υ	350% Chrysotile
							Ĩ

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

Exhibit A

APPENDIX B

Analytical Reports

Amianthus

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

3048

CERTIFICATE OF ANALYSIS

Client: Precision Environmental Co.

 Report Date:
 Feb. 3, 2020

 Project No.:
 20-04-044

Log No.:

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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

02/03/2020 20-04-044 3048 Report Date: Project: Y og No -

	Induction Description Location Color % Amonite % Amonite % Amonite IS101 Description Location Color % Amonite % Amonite % Amonite IS101 Root stringle Garage root Carage 0 0 0 % Amonite IS101 Root stringle Garage root Carage 0						Asbestos Type(s) Detected	rpe(s) Dete	cted		Non-Asbe	Non-Asbestos Materials	rials		1 of 3
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	631-03 Root feit Garage not Black 0 0 55 0 0 45 631-05 Building feit House roof Black 0 0 0 55 0 0 45 631-05 Building feit House roof Black 0 0 0 55 0 0 35 631-05 Building feit House roof Black 0 0 0 0 55 0 0 35 631-05 Building feit House roof Mutee 0 0 0 0 0 0 35 631-05 Black White 0	77113	631-02		House roof	Gray	0	0	0	0	35	0	0	65	
B31-04 House roof House roof Black 0 0 55 0 0 55 0 55 0 55 0 55	631-04 House root House root Black 0 0 65 0 0 45 631-05 Building fett House root under wood shake Black 0 0 0 65 0 0 35 631-05 Building fett House root under wood shake Black 0 0 0 65 0 0 0 35 631-07 Root shingle Earleo Write 0 0 0 0 0 0 35 35 631-05 House window Black Write 0 0 0 0 0 0 36 0 100 35 631-05 Plaster 3* foor seling Write 0	77114	631-03	Roof felt	Garage roof	Black	0	0	0	0	55	0	0	45	
	E31-05 bilding fet (31-05House root under wood shake bilding at domensBlack000650035(31-07 bilding at domensRoot shingle (31-06Range windowWhite000	77115	631-04		House roof	Black	0	0	0	0	55	0	0	45	
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631-09a Plaster 3^{d} floor celling White 0 0 0 0 0 100	631-09a Plaster 3" floor ceiling White 0 0 0 0 0 100 631-09b 631-09b Tan 1.5 PC 0 0 0 0 5 93.5 631-10a Tan V.Phite 0 0 0 0 0 0 5 93.5 631-10b Tan Tan 5 0 0 0 0 0 0 100 100 631-11a Tan 5 0 0 0 0 0 0 100 100 100 631-11a Tan 5 0 0 0 0 0 0 0 100 100 631-11a Tan 3 0 0 0 0 0 0 0 0 100 631-11a Tan 3 0 0 0 0 0 0 0 100 100 631-11a<	77119	631-08		House window	White	0	0	a	0	0	0	0	100	
(31-09b) $(31-09b)$ $(31-09b)$ $(31-10a)$ $(31-11a)$ (31-11a) (31-11a) (31-1	E31-09bTan1.5 PC0000593.5631-10a 3^{rd} floor wall $Vhite$ 0000000100631-10b 3^{rd} floor wall $Vhite$ 0000000100631-11a 2^{rd} floor bedroom celling $Vhite$ 0000000100631-11b 2^{rd} floor bedroom celling $Vhite$ 0000000100631-11b 3^{rd} floor bedroom celling $Vhite$ 000000000631-11b 3^{rd} floor bedroom celling $Vhite$ 3^{rd} 000000007and floor bedroom celling $Vhite$ 3^{rd} 000000000631-11b 3^{rd} floor bedroom celling $Vhite$ 3^{rd} 00000000Tan 3^{rd} 3^{rd} 0^{rd} <td>10012</td> <td>631-09a</td> <td>Plaster</td> <td>3rd floor ceiling</td> <td>White</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>100</td> <td>Top finish coat</td>	10012	631-09a	Plaster	3 rd floor ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
3^{a} floor wall White 0 0 0 0 0 100 $631-10b$ $51-10b$ Tan 5 0 0 0 0 3 92 $631-11a$ 2^{nd} floor bedroom ceiling White 0 0 0 0 0 3 92 $631-11b$ 2^{nd} floor bedroom ceiling White 0 0 0 0 0 100 $631-11b$ Tan 3 0 0 0 5 92	C31-10a 3rd floor wall White 0 0 0 0 0 100 631-11a Tan 5 0 0 0 0 0 0 3 92 631-11a Znd floor bedroom ceiling White 0 0 0 0 0 0 3 92 631-11b Tan 3 0 0 0 0 0 0 100 100 631-11b Tan 3 0 0 0 0 0 5 92 17an 3 0 0 0 0 0 5 92 17an 3 0 0 0 0 5 92 92 17an 3 0 0 0 0 5 92 92 17an 3 0 0 0 0 0 5 92 17an 3 0 0 0 0 0 5 92 17an 3 0 10	3	631-09b			Tan	1.5 PC	0	a	0	0	0	5	93.5	Bottom scratch coat
631-10b Tan 5 0 0 0 0 3 92 631-11a 2nd floor bedroom ceiling White 0 0 0 0 0 0 100 631-11b Tan 3 0 0 0 0 5 92	631-10b Tan 5 0 0 0 0 3 92 631-11a 2nd floor bedroom ceiling White 0 0 0 0 0 0 0 100 100 631-11b Tan 3 0 0 0 0 0 0 0 100 100 11-11b Tan 3 0 0 0 0 0 0 0 100 100 100 11-11b Tan 3 0 0 0 0 0 0 5 92 11-11b Tan 3 0 0 0 0 0 5 92 111b Tan 3 0 0 0 0 5 92		631-10a		3 rd ftoor wall	White	0	0	0	0	0	0	0	100	Top finish coat
631-11a 2 nd floor bedroom ceiling White 0 0 0 0 0 100 100 100 100 5 92 531-11b 531-11b 531-11b 531-0 0 0 0 0 0 0 5 92 5	631-11a 2 rd floor bedroom celling White 0 0 0 0 0 0 100 5 92 92 111 Mit A or any accordition of the list of t	1	631-10b			Tan	£	0	0	0	0	0	6	92	Bottom scratch coat
631-11b Tan 3 0 0 0 5 92	631-11b Tan 3 0 0 0 0 5 92 AllHA PAT for Bulk Asbestos no. 198622 This confidential report relates only those flem(s) tasted and does not nonesent an enclosement by AlHA or any assers of the U.S. Government	7100	631-11a	1	2 nd floor bedroom ceiling	White	0	0	0	0	0	٥	0	100	Top finish coat
	AIHA PAT for Bulk Asbestos no. 198622 This confidential report relates only to those itemits) tested and does not represent an endorsement by AlfA or any aperior of the U.S. Government		631-11b			Tan	e	0	0	0	0	0	5	92	Bottom scratch coat

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Approved By:__

Laboratory Director Daniel C. Peders

Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

means that asbestos was detected but is not quantifiable under the Point Count regimen.

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)

Exhibit A

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

			2		Asbestos Type(s) Detected	/pe(s) Dete	icted		Non-Asbe	Non-Asbestos Materials	rials		2 of 3
.oN db.l	Client No.	Description	Location	Color	əlijosynd) %	ejizomA %	ejilobisor.) %	% Other	əsolullə) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77403	631-12a	Plaster	2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
N71 / /	631-12b			Tan	5	0	0	0	0	0	പ	06	Bottom scratch coat
10124	631-13a		1st floor living room wall	White	0	0	0	a	0	0	0	100	Top finish coat
+ 7 7	631-13b			Tan	з	0	0	0	0	0	ۍ	32	Bottom scratch coat
774 75	631-14a		1st floor living room ceiling	White	0	0	0	0	0	0	0	61	Top finish coat
C7 C	631-14b			Tan	З	0	0	0	0	٥	ъ	92	Bottom scratch coat
774.96	631-15a		1st floor kitchen ceiling	White	0	0	0	0	0	٥	0	100	Top finish coat
07177	631-15b			Tan	5	0	0	0	٥	٥	~	88	Bottom scratch coat
	631 - 16a		1st floor dining room wall	White	0	0	0	0	0	0	0	100	Top finish coat
171 17	631-16b			Tan	ε	0	0	0	a	0	m	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	1st floor kitchen	Tan	0	0	0	0	٥	0	0	100	
77131	631-20			Tan	0	0	0	0	0	0	0	100	

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

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) Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be consistent or treated as non-asbestos containing, confirmation must be made means that asbestos was detected but is not quantifiable under the Point Count regimen.

Laboratory Director Daniel C. Peders

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Approved By:_

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

Exhibit A

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

Exhibit A

Amianthus

3 of 3 Comments Naterials 8 6 6 ĝ 100 2 2 65 suoidi∃-noN % Materials 0 0 o 0 \circ 0 0 0 % Ofher Fibrous Non-Asbestos Materials looW leteniM 0 0 0 0 0 0 0 0 /sselD suoidi7 % 8 30 esolulle0 % 0 0 0 0 0 0 % Ofher 0 0 0 0 0 0 0 0 % Crocidolite 0 0 0 \circ 0 0 0 0 Asbestos Type(s) Detected etisomA % 0 0 0 0 0 0 0 0 % Chrysotile 0 0 0 0 0 0 8 0 Silver/White Orange Yellow White White White Color Black Black On basement stairs walls and 1st floor dining room ceiling Basement boiler exterior Om stairs to basement 1st floor kitchen ceiling Location ceiling Textured coating Description Boiler insulation Floor sheeting Panel mastic 631-28 Client No. 631-22 631-23 631-24 631-25 631-26 631-27 631-21 77133 77134 77135 77136 77138 77139 77132 77137 .oN db.l

AIHA PAT for Bulk Asbestos no. 198622

This confidential report relates only to those itern(s) tested and does not represent an endorsement by AIHA or any egency 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)

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

means that asbestos was detected but is not quantifiable under the Point Count regimen.

Laboratory Director

Daniel C. Peders

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Approved By:_

APPENDIX C

Photographic Documentation





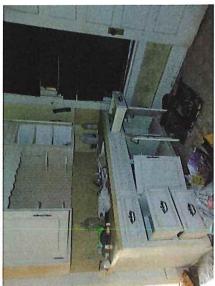




















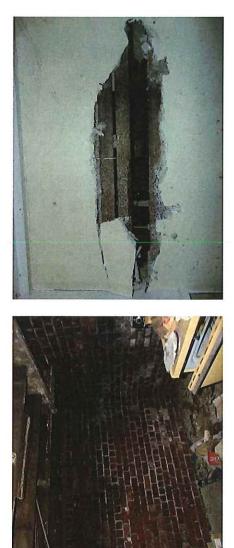












ASBESTOS MATERIAL SURVEY



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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REPRESENTATIVE PHOTOGRAPHS OF ASBESTOS-CONTAINING MATERIALS	4
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APPENDIX B - Analytical Reports

APPENDIX C - Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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 <u>no</u> 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

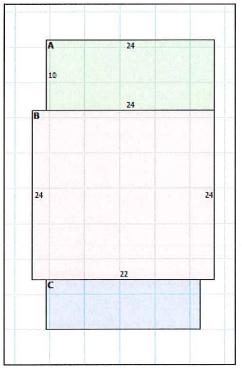
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 627 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

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

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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



Exhibit A

APPENDIX A

Table 2: Asbestos-Containing Material Summary

aining Materials
Asbestos-Conta
Table 2 – Summary of

		14010 2 - 2011	וומוץ טו	Duilling of Asucenos-Colligining Marchais			Page 1 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
627-01 & 02	RSI	Asphalt-based roof shingle, gray	Z	On garage roof	NF1	Z	None Detected
627 - 03 & 04	RF1	Asphalt-based roof feit, black	Z		NF1	N	None Detected
627-05 & 06	BF1	Asphalt-based building felt, black	N	Under house aluminum siding	NFI	N	None Detected
627-07 & 08	RS2	Asphalt-based roof shingle, red	N	On house roof	NFI	Z	None Detected
627-09 & 10	RF2	Asphalt-based roof felt, black	N		NFI	N	None Detected
627-11, 12 & 13	DW1	Finished drywall (drywall board, joint compound and tape)	z	Under wood wall and ceiling panel on 3 rd floor. 1 st floor kitchen and bathroom walls and ceiling.	NF2	z	None Detected
627-14 through 20	PL1	Plaster walls and ceiling	N	$1^{\rm st}$ and $2^{\rm nd}$ floor walls and ceilings on wood lath	NF2	Ν	None Detected
627-21 & 22	FS1	Floor sheeting, tan 3" squares and floral pattern	Ż	2^{nd} floor hall closet. 1^{st} floor bathroom in front of shower.	NF1	z	None Detected
627-23, 24 & 25	TCI	Textured coating	z	2 nd floor front corner bedroom ceiling. 1 st floor bathroom, living room and dining room ceilings.	NF2	Z	None Detected
627-26 & 27	AD1	Tan panel mastic	Ŋ	2^{nd} floor bathroom at tub surround	NFI	N	None Detected
Field Notes: Exte suspect glazing or over wood floors walls and ceiling a on perimeter wall materials and met paneling.	erior: Hous t caulk. Gat and wood and carpet (ls. Kitchen tal duct. Sc	e has aluminum siding over building i rage is wood constructed with vinyl sic cove base. 3 rd floor has a wall mount over wood floor. 1 st floor living room 1 ceiling has wood paneling. Basemen me black rubber insulation on AC lir	elt (BF1) (ing over w ed electric ireplace hø c. No hot e. No hot	Field Notes: <u>Exterior</u> : 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. <u>Interior</u> : 1 st through 3 rd floors have carpet over wood floors and wood cove base. 3 rd floor has a wall mounted electric heater with no suspect materials. 2 nd floor bathroom has carpet. Front porch has wood walls and ceiling and carpet over wood floor. <u>Interior</u> : 1 st floor. <u>Interior</u> : 1 st floor has wood wolls and ceiling and carpet over wood floor. <u>Interior</u> : substant protect has wood walls and ceiling and carpet over 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.	Vewer repla <u>rior</u> : 1 st thro m has carp ation behin ement floo asement co	acement w bugh 3 rd flo oet. Front J d finished r. Furnace truer room	indows with no bors have carpet porch has wood drywall (DW1) has no suspect has wood wall
							-
Asbestos as Asbe EPA Categories: RACM classifica	stos-Conta : F = Friabl ttion is bas Certified A	Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyz 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 \widehat{OO} Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020	m one pert → = Non-fri 1d does no OEPA C+	is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method. tegory I, NF2 = Non-friable Category II procedures and does not apply if the structure will be burned intentional for live fire training or recycled. on Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020	(PC) meth r live fire t 31, 2020	od. raining or	recycled.

	3						Page 2 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA RACM Category (Y/N)*	EPA RACM ategory (Y/N)*	Analytical Results
627-28	DWR1	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.	ξ ι ,	Y	80% Chrysotile
627-29 & 30	FS2	Floor sheeting, tan hexagons with floral pattern		N 1st floor kitchen	NF1	Z	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 IIRACM 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

Exhibit A

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

 Project No.:
 20-04-043

 Log No.:
 3046

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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 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 AlHA or any agency of the U.S. Government

Analysis Method: EPA 600/R-93/116

02/02/2020 20-04-043 Report Date: Project:

					Asbestos Type(s) Detected	rpe(s) Dete	cted		Non-Asb∈	Non-Asbestos Materials	rials		1 of 3
Lab No.	Client No.	Description	Location	Color	slitosynd) %	əficomA %	% Crocidolite	% Oliter	% Cellulose	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77081 62	627-01	Roof shingle	Garage roof	Gray	0	0	0	0	0	35	0	65	
77082 62	627-02			Gray	0	0	0	0	0	35	0	65	
77083 62	627-03	Roof felt		Black	o	0	0	0	60	0	0	40	
77084 62	627-04			Black	0	0	0	0	ß	0	0	4	
77085 62	627-05	Building felt	House roof under aluminum	Black	0	0	٥	0	92	0	0	35	
77086 6	627-06		siding	Black	0	0	0	o	65	a	a	35	
77087 6	627-07	Roof shingle	House roof	Red	0	0	0	0	35	0	0	65	
77088 6	627-08			Red	0	0	0	0	35	0	0	65	
77089 6	627-09	Roof felt		Black	0	0	0	0	55	0	0	45	
77090 6:	627-10			Black	0	0	0	0	55	0	0	45	
77091 6	627-11	Finished drywall	3rd floor ceiling	White	0	0	0	0	3	0	0	97	All layers analyzed
77092 6	627-12	(drywall board, joint compound and tape)	1st floor bathroom wall	White	0	0	0	0	3	0	0	97	and no asbestos detected in anv of the
77093 6:	627-13		1st floor kitchen wall	White	0	0	0	0	3	0	0	97	layers
	627-14a	Plaster	2 rd floor bedroom celling	White	o	0	0	o	0	0	0	100	Top finish coat
62	627-14b			Tan	o	0	0	0	0	0	ъ	95	Bottom scratch coat

(s) itsitau anu uuu

Analysis Method: EPA 600/R-93/116

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 quantificable under the Point Count regimen. 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

Laboratory Director Daniel C. Peders

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Approved By:__

Analysis Performed By: <u>Dariel C. Peders</u> Date: <u>February 2, 2020</u>

Exhibit A

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

Amianthus

Exhibit A

	Image: constraint of						Asbestos Type(s) Detected	/pe(s) Deteo	cted		Non-Asbe	Non-Asbestos Materials	ials		2 of 3
	$27-15a$ patety 2^{a} floor betroon wall Write 0 <th>Lab No.</th> <th>Client No.</th> <th>Description</th> <th>Location</th> <th>Calor</th> <th>əlitosynt) %</th> <th>etizomA %</th> <th>% Crocidolite</th> <th>nərtiO %</th> <th>əsolullə) %</th> <th></th> <th></th> <th></th> <th>Comments</th>	Lab No.	Client No.	Description	Location	Calor	əlitosynt) %	etizomA %	% Crocidolite	nərtiO %	əsolullə) %				Comments
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627-16a 2^{at} floor bathroom wall while 0	$627-16a$ Ca^{a} floor bathoon wall $Mrite$ 0	06011	627-15b			Tan	0	0	0	0	0	0	e	8	Bottom scratch coat
$627-16b$ $C2^{-4}$ flocr bedroom wall Tan 0 0 0 0 5 38 $627-17a$ 2^{-4} flocr bedroom wall white 0	627-16b Called to the conversion Tan 0 0 0 0 0 5 33 627-17a 2° floor bedroonwall Write 0 <td>77006</td> <td>627-16a</td> <td></td> <td>2nd floor bathroom wall</td> <td>White</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>100</td> <td>Top finish coat</td>	77006	627 - 16a		2 nd floor bathroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
627-17a $c27-17a$ $c27-17a$ $c27-17b$ $c10$	E27-17a $Ca7-17a$ $Ca7-17a$ $Ca7-17a$ $Ca7-17b$ <	nen i i	627-16b			Tan	0	0	0	0	0	a	5	8	Bottom scratch coat
627-17b $E27-17b$ $E27-18a$ $Tather celling$	627-17b Tan	70077	627-17a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
$27.18a$ 1^{44} floor kitchen celling White 0	$627-18a$ 1^{**} floor kitchen celling White 0	10011	627-17b			Tan	0	0	0	0	0	ο	ъ	95	Bottom scratch coat
627-18b $Tanbox Tanbox Tanbox $	$627.18b$ $627.18b$ 1^{4} floor living room wall Tan 0	2002	627-18a		1 st floor kitchen ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
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627-19b $727-19b$ $727-19b$ 716 7106 7106 7106 7106 7106 7106 7106 7106	$627-19b$ $627-19b$ 7^{at} floor bathroom celling Tan 0 0 0 0 0 0 3 90 $627-20a$ 1^{at} floor bathroom celling $White$ 0 0 0 0 0 0 0 0 0 100 100 $627-20b$ 1^{at} floor bathroom celling Tan 0 <	00022	627 - 19a		1st floor living room wall	Vvhite	0	0	0	0	0	0	0	100	Top finish coat
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$627-20b$ $E27-20b$ Tan Tan 0 0 0 0 0 7 93 $627-21$ Floor sheeting 1^{at} floor bathroom Tan 0 <	627-20b $627-20b$ $7an$ $0a$	00.474	627-20a		1st floor bathroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
$627-21$ Floor sheeting 1^{at} floor bathroom Tan 0 0 0 20 0	$627-21$ Floor sheeting 1^{at} floor bathroomTan0002000 $627-22$ E27-23Tan00000000 $627-23$ Textured coating 2^{ad} floor bedroom cellingWhite0000000		627-20b			Tan	0	0	0	0	0	0	7	8	Bottom scratch coat
627-22 Tan 0 0 0 20 0	627-22 Tan 0 0 0 20 0 0 0 627-23 Textured coating 2 nd floor bedroom celling White 0 0 0 0 0 0 0 0 0	77101	627-21	Floor sheeting	1ªfloor bathroom	Tan	0	a	٥	0	20	0	0	80	
527-23 Textured coating 2 nd floor bedroom ceiling White 0 0 0 0 0 0	627-23 Textured coating 2 nd floor bedroom celling White 0 0 0 0 0 0 0	77102	627-22			Tan	0	٥	٥	0	20	ο	0	80	
		77103	627-23	Textured coating	2 nd floor bedroom celling	White	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 AlHA 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 guantitation. (PC-Trace)

Ś Approved By:_ means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: <u>Daniel C. Peders</u> Date: February 2, 2020

Laboratory Director Daniel C. Peders

02/02/2020 20-04-043 3046

Amianthus

Exhibit A

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.o.				Asbestos Type(s) Detected	pe(s) Deter	ted		Non-Asbestos Materials	stos Mater	ials		3 of 3
D Client No.	Description	Location	Color	əlitosynd) %	ejisomA %	% Crocidolite	nento %	esolulie) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77104 627-24 Texture	Textured coating	1st floor bathroom celling	White	0	0	0	0	0	0	0	100	
77105 627-25		1st floor dining room ceiling	White	0	0	0	0	0	0	0	100	
77106 627-26 Panel mastic	mastic	2 rd floor bathroom	Tan	0	0	٥	0	0	0	0	100	
77107 627-27			Tan	0	0	0	0	0	0	0	100	
77108 627-28 Duct wrap	vrap	2 nd floor on duct at vent	White	80	0	0	0	0	0	0	20	
77109 627-29 Floor st	Floor sheeting	1st floor kitchen	Tan	0	0	0	0	30	0	0	70	11 12 12 12 12 12 12 12 12 12 12 12 12 1
77110 627-30			Tan	0	0	0	0	30	0	0	02	

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 2, 2020

Laboratory Director Daniel C. Peders

Ś Approved By:....

APPENDIX C

Photographic Documentation











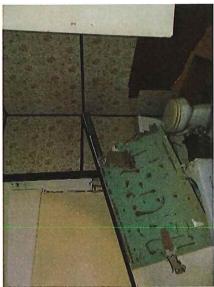


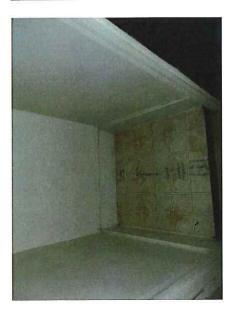


















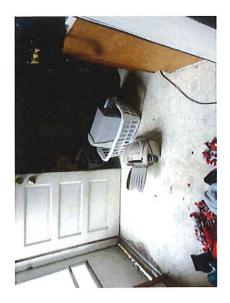
















ASBESTOS MATERIAL SURVEY



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	1
SCOPE OF WORK	2
INSPECTIONS LIMITATIONS	2
RESULTS	3
REPRESENTATIVE PHOTOGRAPHS OF ASBESTOS-CONTAINING MATERIALS	4
RECOMMENDATIONS	5

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APPENDIX A - Table 1: Suspect Asbestos-Containing Material Summary

APPENDIX B - Analytical Reports

APPENDIX C - Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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 <u>no</u> 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

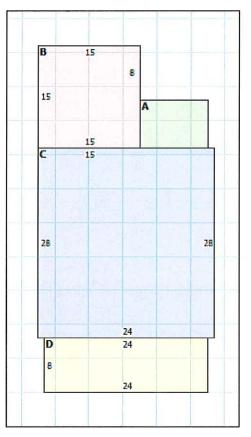
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 621 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

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

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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



Exhibit A

APPENDIX A

Table 2: Asbestos-Containing Material Summary

Materials
Containing
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Table 2 – S

)			Page 1 of 2
Sample Number	Homo- geneous 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	Z	On garage roof	NF1	Z	None Detected
621-03 & 04	RF1	Asphalt-based roof felt, black	Z	Under garage roof shingles	NF1	N	None Detected
621-05 & 06	RF2	Asphalt-based roof felt, black	Ν	Under house slate shingles	NF1	N	None Detected
621-07 & 08	RSHI	Asphalt-based roof sheeting, gray	Ν	On house back one-story structure	NFI	N	None Detected
621-09 & 10	WG1	Window glazing	Z	On wooden windows of house	NF2	Z	None Detected
621-11 & 12	CBDI	Wall and ceiling panel	N	3 rd floor walls and ceiling	NF1	Z	None Detected
621-13 & 14	FS1	Floor sheeting. Floral pattern	N	3^{rd} floor bedrooms and at stair landing to 3^{rd} floor	NF1	z	None Detected
621-15, 16 & 17	DW1	Finished drywall (drywall board, joint compound and tape)	Z	3 rd floor at top of stairs. 1 st floor dining room ceiling over plaster (PL1). Back one-story addition walls and ceiling.	NF2	Z	None Detected
621 - 18 & 19	SSI	Brown stair tread	Ν	On stairs to 3 rd floor, nailed	NFI	Z	None Detected
621-20 through 26	PL1	Plaster walls and ceiling	Ν	$1^{\rm st}$ and $2^{\rm nd}$ floor walls and ceilings on wood lath	NF2	N	None Detected
621-27 & 28	FTI	12" x 12" floor tile, white ornate, self-adhesive	z	2 nd floor bathroom	NFI	N	None Detected
Field Notes: Exte addition on house floors have wood f is gone and metal	rior: House has corrug floors and v duct remain	Field Notes: <u>Exterior</u> : House has wood clapboard siding and block addition on house has corrugated metal roof. Garage is wood const floors have wood floors and wood cove base. 1 st floor has some carp is gone and metal duct remains. No hot water tank and pipes are no	. foundatio tructed wit et over wo t insulated.	Field Notes: <u>Exterior</u> : House has wood clapboard siding and block foundation. Slate (stone) roof shingles. 3 rd 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. <u>Interior</u> : 1 st through 3 rd floors have wood floors and wood cove base. 1 st 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.	ts wood sha sement floo floor joists neling.	ike siding. ar. <u>Interior</u> and cemen	Back one-story :: 1 st through 3 rd it floor. Furnace
Asbestos as Asbe EPA Categories: RACM classifica	stos-Contai F = Friabl tion is base	Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by we EPA Categories: $\mathbf{F} = \text{Friable}$, $\text{NF1} = \text{Non-friable}$ Category I, $\text{NF2} = \text{Non-friable}$ Category II RACM classification is based on normal demolition procedures and does not apply if the straight	ın one perc = Non-frit	is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method. tegory I, NF2 = Non-friable Category II procedures and does not apply if the structure will be burned intentional for live fire training or recycled.	t (PC) meth r live fire ti	od. raining or	recycled.
Daniel C. Peders,	Certified A	Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020	OEPA CA	VHES#33134, Exp. 8-4-2020 Date: January 31, 2020	31, 2020		

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f Asbestos-Containing Materials	
Summary of	
Table 2 – Sum	

hacamant t
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.
1st floor kitchen in suspended metal grid
1st floor kitchen
Basement on duct seams
Under wood shake siding at 3^{rd} floor roof peaks

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

Exhibit A

Page 2 of 2

Exhibit A

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

 Project No.:
 20-04-042

3046

Log No.:

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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 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

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

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Exhibit A

Color Color <th< th=""><th></th><th></th><th></th><th></th><th></th><th>Asbestos Type(s) Detected</th><th>pe(s) Detec</th><th>ted</th><th></th><th>Non-Asbe</th><th>Non-Asbestos Materials</th><th>ials</th><th></th><th>1 of 3</th></th<>						Asbestos Type(s) Detected	pe(s) Detec	ted		Non-Asbe	Non-Asbestos Materials	ials		1 of 3
E21-01 E007 kingle Garage roof Black 0 0 0 25 0 E21-02 E21-03 E21-03 Broof kingle Black 0 0 0 0 26 0 <td>.oN d&J</td> <td>Client No.</td> <td>Description</td> <td>Location</td> <td>Color</td> <td>% Chrysotie</td> <td>∋jieomA %</td> <td>% Crocidolite</td> <td>yopher</td> <td>esolule) %</td> <td></td> <td></td> <td>% Non-Fibrous Materials</td> <td>Comments</td>	.oN d&J	Client No.	Description	Location	Color	% Chrysotie	∋jieomA %	% Crocidolite	yopher	esolule) %			% Non-Fibrous Materials	Comments
B21-02 Bit model Brown 0 0 10 20 20 0 10 20 0 10 20 0 10 20 0 0 10 20 10 10 20 10 10 20 10 20 10 10 20 10 10 20 10	77045	621-01	Roof shingle	Garage roof	Black	0	0	0	ο	0	25	0	75	
E21-03 Roof felt Each Desc	77046	621-02			Brown	0	0	0	0	10	20	0	2	
221-04 $221-04$ $221-05$ 200 55 0	77047	621-03	Roof feit		Black	0	0	0	0	55	0	0	45	
E2:1-05 Rooffett House roof under slate Black 0 0 55 0 0 0 0 0 0 55 0 0 0 0 0 55 0 <td>77048</td> <td>621-04</td> <td></td> <td></td> <td>Black</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>55</td> <td>0</td> <td>0</td> <td>45</td> <td></td>	77048	621-04			Black	0	0	0	0	55	0	0	45	
621-06 $621-07$ $621-07$ 510 55 0 0 0 0 55 0 <td>77049</td> <td>621-05</td> <td>Roof feit</td> <td>House roof under slate</td> <td>Black</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>55</td> <td>0</td> <td>0</td> <td>45</td> <td></td>	77049	621-05	Roof feit	House roof under slate	Black	0	0	0	0	55	0	0	45	
621-07 Roofing debris Back 1-stpry addition sloped Gray 0 0 0 25 20 <	77050	621-06		shingles	Black	0	0	0	0	55	0	0	45	
E21-08 roof Cof Cof Cof Co C	77051	621-07	Roofing debris	Back 1-stpry addition sloped	Gray	0	0	0	o	25	20	0	55	
E21-09 Window glazing House wooden windows White 0	77052	621-08		roof	Gray	0	0	0	0	25	20	0	55	
621-10 621-11 Write 0	77053	621-09	Window glazing	House wooden windows	White	0	0	0	0	0	0	0	100	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	77054	621-10			White	0	0	0	0	0	0	0	100	
621-12 Panels 3 rd floor celling Brown 0 0 0 0 55 0	77055	621-11	Wall and ceiling	3 rd floor wall	Brown	0	0	0	0	95	0	0	5	
621-13 Ceiling tile 3 rd floor ceiling White/Brown 0 0 0 0 0 621-14 1 st floor teiling Mhite/Brown 0 0 0 0 0	77056	621-12	panels	3 rd floor ceiling	Brown	0	0	0	ο	95	0	0	5	
	77057	621-13	Celling tile	3 rd floor ceiling	White/Brown	0	0	0	ο	95	0	0	ъ	
	77058	621-14		1st floor kitchen ceiling	White/Brown	0	0	0	0	95	0	0	S	

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 urless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantitation. (PC-Trace)

Approved By:____

means that asbestos was detected but is not quantifiable under the Point Count regimen.

Analysis Performed By: Daniel C. Peders

Date: February 2, 2020

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Laboratory Director Daniel C. Peders

Amianthus

Exhibit A

.oV di				-									
	Client No.	Description	Location	Color	əlitosyırt) %	eJisomA %	% Crocidolite	nərtiO %	əsolullə) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Malerials	% Non-Fibrous Materials	Comments
77059 621	621-15 F	Finished drywall	3 rd floor at top of stairs wall	White	0	0	0	0	e	0	0	97	All layers analyzed
77060 621	621-16 (((drywall board, joint compound and tape)	1 st floor dining room celling	White	0	0	0	0	e	0	0	97	and no asbestos detected in anv of the
77061 621	621-17			White	0	0	0	0	e	0	o	67	layers
77062 621	621-18 S	Stair tread	On stairs to 3rd floor	Brown	0	0	0	٥	0	0	0	100	
77063 621	621-19			Brown	0	0	0	0	0	0	0	100	
-129 621-	621-20a F	Plaster	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
	621-20b			Tan	0	0	0	0	0	0	5	95	Bottom scratch coat
521- 77065	621-21a		2 nd floor bedroom wall	White	0	0	a	0	0	0	0	100	Top finish coat
	621-21b			Tan	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			Tan	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			Tan	0	0	٥	0	0	0	5	95	Bottom scratch coat
77068 621-	621-24a		1st floor kitchen celling	White	0	0	0	0	٥	0	o	100	Top finish coat
	621-24b			Tan	0	0	0	0	0	0	7	63	Bottom scratch coat

This confidential report relates only to those itern(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government AIHA PAT for Bulk Asbestos no. 198622

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: <u>Daniel C. Peders</u> Date: <u>February 2, 2020</u>

Laboratory Director

Daniel C. Peders Q Approved By:_

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

Amianthus

Exhibit A

				h 	Asbestos Type(s) Detected	pe(s) Detec	ted		Non-Asbe	Non-Asbestos Materials	ials		3 of 3
.oN deJ	Client No.	Description	Location	Color	əlilosynd) %	ejisomA %	% Crocidolite	nerto %	esolulie) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77060	621-25a	Plaster	1st floor living room wall	White	0	0	0	0	0	0	0	100	Top finish coat
20077	621-25b			Tan	0	0	0	0	0	0	6	6	Bottom scratch coat
77070	621-26a		1 st floor living room ceiling	White	0	0	0	0	0	0	o	100	Top finish coat
0,007	621-26b		above drywall	Tan	0	0	0	0	0	0	7	83	Bottom scratch coat
77071	621-27	Floor tile	2 rd floor bathroom	White	0	0	0	٥	0	0	0	100	
77072	621-28			White	0	0	0	0	0	0	0	100	
77073	621-29	Duct wrap	1 st floor on duct behind plaster wall	White	85	0	0	0	0	o	0	15	
77074	621-30	Celling tile	1 st floor kitchen	White	0	0	0	0	0	45	0	55	
77075	621-31			White	0	0	0	0	0	45	0	55	
77076	621-32	Floor sheeting	1st floor kitchen	Yellow	0	0	0	0	35	0	o	65	
77077	621-33			Yellow	0	0	0	0	35	0	0	65	
77078	621-34	Duct tape	Basement on duct seam	Gray	75	a	0	0	0	0	0	25	
77079	621-35	Building felt	Under wood shake siding at	Black	0	0	0	0	65	0	0	35	
77080	621-36		3 rd floor roof peak	Black	0	0	0	0	65	0	0	35	
													Ĭ

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 urless 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: <u>Daniel C. Peders</u> Date: <u>February 2, 2020</u>

Laboratory Director Daniel C. Peders

Approved By:_

APPENDIX C

Photographic Documentation

































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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RESULTS	3
REPRESENTATIVE PHOTOGRAPHS OF ASBESTOS-CONTAINING MATERIALS	4
RECOMMENDATIONS	4
APPENDIX A - Table 1: Suspect Asbestos-Containing Material Summary	

- APPENDIX B Analytical Reports
- APPENDIX C Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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 <u>no</u> 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

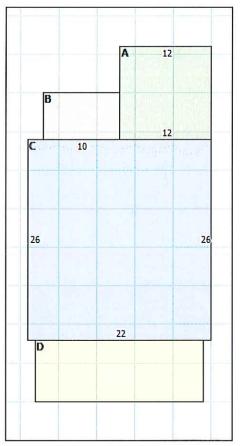
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure at 619 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020), visually inspected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

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

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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



Exhibit A

APPENDIX A

Table 2: Asbestos-Containing Material Summary

Materials
Containing
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Table 2 – S

							Page 1 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
619-01 & 02	RS1	Asphalt-based roof shingle, brown	Z	On house roofs	NF1	z	None Detected
619 - 03 & 04	RFI	Asphalt-based roof felt, black	N		NF1	z	None Detected
619-05 & 06	WG1	Window glazing	N	On wooden windows of house	NF2	z	None Detected
619-07 & 08	RFX	Asphalt-based roofing debris	N	On back yard where garage was	NF1	z	None Detected
619 - 09 & 10	CBD1	Wall panels	N	3 rd floor walls and ceiling	щ	z	None Detected
619-11 & 12	CT1	12" x 12" ceiling tile, plain white	Z	3^{rd} floor ceiling nailed onto wood joists. 1^{st} floor kitchen nailed onto wood joists and above suspended	ſĿţ	N	None Detected
619-13, 14 & 15	BLI	Blown-in insulation, gray	Z	In perimeter walls and on ground as debris	ĹŦ	z	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	Z	None Detected*
619-23 & 24	FT1	12" x 12" floor tile, tan marble, self- adhesive	z	2 nd floor bathroom	NFI	Ň	None Detected
Field Notes: <u>Exti</u> floorboards cut on tile that are vinyl- asbestos detected. block and brick w	erior: Wooo ut and remo -faced fiber . 1 st floor h alls, expose	Field Notes: <u>Exterior</u> : Wood clapboard siding and brick foundatio floorboards cut out and removed. Stairs to 2^{nd} floor have been rem tile that are vinyl-faced fiberglass in suspended metal grid. *One or asbestos detected. 1 st floor has wood paneling on kitchen walls. K block and brick walls, exposed wood joists at ceiling and cement fl	n. <u>Interior</u> oved but i oved bate the plaste itchen sink	Field Notes: <u>Exterior</u> : Wood clapboard siding and brick foundation. <u>Interior</u> : 3^{rd} floor attic is finished and has wood floor and wood cove base. 1^{st} and 2^{nd} floor has floorboards cut out and removed. Stairs to 2^{nd} floor have been removed but is accessible. 2^{nd} floor has wood wall paneling over plaster walls and has $2^{\gamma} \times 4^{\gamma}$ 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. 1^{st} floor has wood paneling on kitchen walls. Kitchen sink has no suspect coating. Living room freplace 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.	vood cove l plaster wal but when po no suspect ater tank ar	base. 1 st a lls and has oint count t materials ad pipes au	nd 2 nd floor has 5 2' x 4' ceiling ed there was no . Basement has e not insulated.
					77 - 140 		
							202

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: $\mathbf{F} = Friable$, $\mathbf{NF1} = Non-friable Category I$, $\mathbf{NF2} = Non-friable Category II$ 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.

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

Materials
Containing
of Asbestos-
- Summary of
Table 2 –

Page 2 of 2	Analytical Results	85% Chrysotile	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected
	RACM (Y/N)*	Y	Z	Z	z	Ν	Z	N	Ŋ	Z
	EPA Category	Ц	NFI	NF1	۲.	NF1	NF1	NFI	NF1	NF1
	Location	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.	2 nd floor bathroom		1st floor kitchen in suspended metal grid	1st floor kitchen	On stairs from 1st floor to side entrance		On stair landing at side entrance	
	Asbestos (Y/N)	Y	Z	Ν	Z	Z	z	Z	Z	z
	Sample Description	DWR.I Duct wrap	4" tan cove base	Yellow mastic for CB1	2' x 2' ceiling tile, random dost & fissures	12" x 12" floor tile, wood block pattern, self-adhesive	4" x 12" floor tile, white pebble pattern	Black mastic for FT3	9" x 9" floor tile, white mottled light blue	Yellow mastic for FT4
	Homo- geneous I.D.	DWRI	CB1	IQA	CT2	FT2	FT3	AD2	FT4	AD3
	Sample Number	619-25	619-26 & 27	619-28 & 29	619-30 & 31	619-32 & 33	619-34 & 35	619-36 & 37	619-38 & 39	619 . 40 & 41

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.

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

Exhibit A

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

 Project No.:
 20-04-041

3045

Log No.:

Independence, Ohio 44131

5500 Old Brecksville Road

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 EPAs 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 ($<0.25\mu$ 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 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

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

Amianthus

Client No. Description Location 619-01 Roof shingle House roof								-			
Roof shingle	ion	Color	əlilosynd) %	əjizomA %	% Crocidolite	% Otper	əsojnilə) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
619-02		Black	0	0	0	0	0	30	0	70	
	1	Black	0	0	0	0	0	30	0	20	
619-03 Roof felt	I	Black	0	0	0	0	55	0	0	45	
619-04		Black	0	0	0	o	55	0	0	45	
619-05 Window glazing House wooden windows	windows	White	٥	0	0	0	0	0	0	100	
619-06		White	0	0	0	0	0	0	0	100	
619-07 Roofing debris Backyard at former	ner garage	Black	0	0	0	0	55	0	0	45	
619-08 location		Black/Gray	0	0	0	0	35	0	0	65	
619-09 Wall panels 3rd floor walls		Brown	0	0	0	0	95	0	0	5	
619-10		Black/Brown	0	0	٥	0	95	0	0	5	
619-11 Ceiling tile 3 rd floor ceiling		White/Brown	0	0	0	0	95	0	0	£	
619-12 1# floor kitchen ceiling	elling	White/Brown	0	0	0	0	95	0	0	5	
619-13 Blown-in insulation 2 nd floor in perimeter walls and	eter walls and	Gray	0	0	0	0	85	5	0	10	
619-14 on ground as debris	bris	Gray	0	0	0	0	80	£	0	15	
619-15	L	Gray	0	0	0	0	06	0	0	10	

AIHA PAT for Bulk Asbestos no. 198622

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

Analysis Method: EPA 600/R-93/116

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) 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

Approved By:___ means that asbestos was detected but is not quantifiable under the Point Count regimen. Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 2, 2020</u>

Laboratory Director Daniel C. Peders

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

					[
					Asbestos Type(s) Detected	/pe(s) Dete	cted		Non-Asb	Non-Asbestos Materials	rials		2 of 4
.oN dbJ	Client No.	Description	Location	Color	elitosynA) %	əfizomA %	etilobicor J %	nertiO %	esolule) %	% Fibrous Class/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77019	619-16a	Plaster	On stairwell wall to 3rd floor	White	0	0	0	0	0	0	0	100	Top finish coat
2	619-16b			Tan	0	0	0	0	0	0	7	33	Bottom scratch coat
. 00077	619-17a		2 nd floor bedroom celling	White	0	0	0	0	0	0	0	100	Top finish coat
	619-17b			Tan	0	0	0	0	0	0	6	66	Bottom scratch coat
77024	619-18a		2 nd floor bedroom wall	White	0	0	0	0	0	0	0	100	Top finish coat
	619-18b			Tan	0	0	0	0	0	0	7	93	Bottorn scratch coat
77022	619-19a		On stairwell wall to 2 nd floor	White	0	0	0	0	0	0	0	100	Top finish coat
	619-19b			Tan	ND PC	0	0	0	0	0	ъ	95	Bottom scratch coat
77023	619-20a		1st floor living room ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
}	619-20b			Tan	0	0	0	0	0	0	7	93	Bottom scratch coat
77024	619-21a		1st floor living room wall	White	0	0	٥	0	0	0	0	100	Top finish coat
	619-21b			Tan	0	0	0	0	0	0	£	8	Bottom scratch coat
77025	619-22a		1 st floor kitchen ceiling above	White	0	0	0	0	0	0	0	100	Top finish coat
	619-22b		ceiling ties	Tan	0	0	0	٥	0	0	~	83	Rottom 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-fitable organically bound materials. Before this material can be considered or treated as non-asbestos containing, confirmation must be made

Laboratory Director Daniel C. Peders

Approved By:__

by quantification at <0.25% by volume is possible with this method. Pcc-Trace) represents this limitation of quantification (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

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

3 of 4 Amianthus Comments slerialsM 9 6 60 <u>6</u> <u>0</u> <u>1</u>0 8 8 6 6 9 5 55 55 suondi-1-noN % elsineteM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 % Other Fibrous Non-Asbestos Materials looW IsteniM 35 33 0 0 0 Ö 0 0 0 0 0 0 0 0 /ssel: suoidi7 % This confidential report relates only to those flem(s) tested and does not represent an endorsement by AlHA or any agency of the U.S. Government 20 20 esolulieO % 0 0 0 0 0 0 0 0 0 0 0 0 % Ofper 0 \circ 0 0 0 0 0 0 0 o 0 0 O 0 AIHA PAT for Bulk Asbestos no. 198622 % Crocidolite 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Asbestos Type(s) Detected etizomA % 0 0 0 Q 0 0 0 0 \circ 0 Ö 0 0 0 82 Shirts offer 0 0 0 0 0 0 0 0 0 0 0 0 0 Yellow Yellow Brown White Brown White White White White Black Color Tan Tan Tan Tan 1st floor on duct behind plaster Stairs to side entrance Location 2nd floor bathroom 2nd floor bathroom 1st floor kitchen 1st floor kitchen wall Mastic for cove base Mastic for floor tile Description Cove base Duct wrap Ceiling tile Floor tile Floor tile Floor tile Client No. 619-23 619-25 619-28 619-30 619-32 619-33 619-34 619-35 619-26 619-29 619-31 619-24 619-27 619-36 77035 77039 77026 77028 77029 77030 77032 77033 77034 77036 77037 77038 77031 77027 .oN deJ

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 y 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

Laboratory Director

Daniel C. Peders

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Approved By:_

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

Project: Log No.:	Report Date: 02/02/2020 Project: 20-04-041 Log No.: 3045	141									S.	Amí	Amianthus
					Asbestos Type(s) Detected	pe(s) Dete	cted		Non-Asbe	Non-Asbestos Materials	rials		4 OÍ 4
.oN db.1	Client No.	Description	Location	Color	əlijosynd) %	əfizomA %	ejilobizon) %	19rthO %	əsoluli90 %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
77040	619-37	Mastic for floor tile	Stairs to side entrance	Black	0	0	0	0	0	a	0	100	
77041	619-38	Floor tile	On stair landing at side	White	O	0	0	0	0	0	0	100	
77042	619-39		entrance	White	a	0	0	0	0	0	0	100	
77043	619-40	Mastic for floor tile		Yellow	0	0	0	0	0	0	0	100	
77044	619-41			Yellow	0	0	0	0	0	0	0	100	

This confidential report relates only to those fiem(s) tested and does not represent an endorsement by AIHA or any agency of the U.S. Government AIHA PAT for Bulk Asbestos no. 198622

Comments: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-fitable organically bound materials. Before this material can be consistened or treated as non-asbestos containing, confinuation must be made Analysis Method: EPA 600/R-93/116

by quantitative TEM. (PC) Indicates Stratified Point Count Performed. Method not performed urless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limitation of quantitation. (PC-Trace) Ś means that asbestos was detected but is not quantifiable under the Point Count regimen.

Laboratory Director Daniel C. Peders

Approved By:___

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

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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REPRESENTATIVE PHOTOGRAPHS OF ASBESTOS-CONTAINING MATERIALS	4
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APPENDIX A - Table 1: Suspect Asbestos-Containing Material Summary	

- APPENDIX B Analytical Reports
- APPENDIX C Photographic Documentation

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 <u>cannot</u> 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 <u>no</u> 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

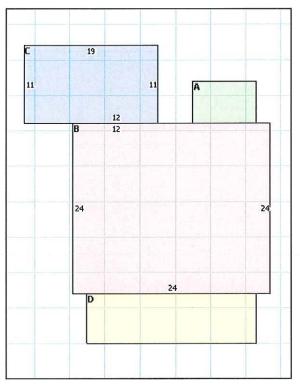
Amianthus LLC was retained by Precision Environmental Co. to perform an asbestos material survey of the vacant residential structure and detached garage at 647 Arlington Avenue SW in Canton, Ohio. Ohio EPA Certified Asbestos Hazard Evaluation Specialist, Mr. Daniel C. Peders (CAHES #31134, Exp. 8-4-2020),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

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

Table 1: ACM Estimated Quantity Summary

S.F. = Square Feet

REPRESENTATIVE PHOTOGRAPGHS

(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



Exhibit A

APPENDIX A

Table 2: Asbestos-Containing Material Summary

Materials
Containing
Asbestos-
Summary of
Table 2 – S

							Page 1 of 2
Sample Number	Homo- geneous I.D.	Sample Description	Asbestos (Y/N)	Location	EPA Category	RACM (Y/N)*	Analytical Results
647 - 01 & 02	RS1	Asphalt-based roof shingle, brown	Z	On garage and house roof	NF1	N	None Detected
647 - 03 & 04	RF1	Asphalt-based roof felt, black	Z		NFI	N	None Detected
647 - 05 & 06	RSHI	Asphalt-based roof sheeting, gray	Z	Back 1-story addition sloped roof	NFI	N	None Detected
647-07 through 13	PLI	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)	z	2^{nd} floor bathroom walls at tub surround. 1^{st} floor kitchen ceiling.	NF2	N	None Detected
647-17, 18 & 19	TCI	Textured coating	z	2 nd floor ceilings and bathroom walls. 1 st floor ceilings.	NF2	Z	None Detected
647 - 20 & 21	FT1	12" x 12" floor tile, black and green marble geometric	Z	2^{nd} floor bathroom. 1^{st} floor bathroom, kitchen and on stairs to basement	NF1	z	None Detected
647-22 & 23	ADI	Yellow mastic for FT1	N		NF1	N	None Detected
647-24 & 25	SB1	Black sink bottom coating	N	1st floor kitchen sink	NF1	N	None Detected
647-26 & 27	FS1	Floor sheeting, white 6" squares with center black diamond	z	Basement remnant on floor	NF1	Z	None Detected
Field Notes: <u>Extr</u> suspect glazing or floor. Foamboard floor has some ca block and brick w ducts with some fi area has no suspec	erior: Hous, r caulk. Gar i insulation urpet over w valls, cemet oil-faced fit ct materials	Field Notes: <u>Exterior</u> : House has vinyl siding over wood clapboard siding and brick foundation with glass block suspect glazing or caulk. Garage has brick wills with glass block windows. <u>Interior</u> : 3 rd floor attic is not finished a floor. Foamboard insulation over windows and sone fiberglass batt insulation in between wood rafters. 1 st floor bathroc has some carpet over wood floors. 1 st floor living room fireplace has no suspect materials. 1 st floor bathroc block and brick walls, cement floor and exposed wood joists at ceiling. Some miscellaneous carpet on basement ducts with some foil-faced fiberglass insulation. Hot water tank has no suspect materials and pipes are either not instant and no suspect materials. Garage interior has cement block and brick walls, cement floor and exposed wood joists at ceiling. Some miscellaneous carpet on basement ducts with some foil-faced fiberglass insulation. Hot water tank has no suspect materials and pipes are either not instant and no suspect materials. Garage interior has cement block and brick walls, cement floor and wood roof deck.	rd siding a vindows. <u>Ir</u> tt insulation place has n siling. Som no suspect <u>i brick wal</u>	Field Notes: <u>Exterior</u> : 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. <u>Interior</u> : 3 rd floor attic is not finished and has wood roof joists, wood coof deck and wood floor. Foamboard insulation over windows and sone fiberglass batt insulation in between wood rafters. 1 st and 2 nd floors have wood floors and wood cove base. 1 st floor has some carpet over wood floors. I st floor living room fireplace has no suspect materials. 1 st 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 are has no suspect materials. Garage fiberglass insulation. Hot water tank has hoo suspect materials and wood root fiberglass insulation. Hot water tank has no suspect materials and proces are either not insulated or have black rubber pipe insulation. Garage are has no suspect materials. Garage interior has cement block and brick walls, cement floor and wood root deck.	Jewer repla oof joists, ' wood floor wood floor ile-like wal black rubb black rubb	cement wi wood roof s and woo ll paneling spect mate er pipe ins	ndows with no deck and wood d cove base. 1 st . Basement has rials and metal ulation. Garage
							Ē
Asbestos as Asbe EPA Categories: RACM classifica	stos-Contai : F = Friabl ttion is base Certified A	Asbestos as Asbestos-Containing which by definition is greater than one percent (1%) by weight as analyz EPA Categories: $F = Friable, NF1 = Non-friable Category I, NF2 = Non-friable Category II RACM classification is based on normal demolition procedures and does not apply if the structure will be O Daniel C. Peders, Certified Asbestos Hazard Evaluation Specialist, OEPA CAHES#33134, Exp. 8-4-2020$	an one perc = Non-friv nd does nov OEPA CA	i is greater than one percent (1%) by weight as analyzed by the Point Count (PC) method. tegory I, NF2 = Non-friable Category II procedures and does not apply if the structure will be burned intentional for live fire training or recycled on Specialist, OEPA CAHES#33134, Exp. 8-4-2020 Date: January 31, 2020	: (PC) meth r live fire tr 31, 2020	od. aining or 1	'ecycled.

Page 2 of 2	EPA RACM Analytical Category (Y/N)* Results	Y 85% Chrysotile	Y 65% Chrysotile	
	EPA Category	Ħ	F	
	Location	On heating duct from basement to 2 nd floor vents behind plaster (PL1) walls and ceiling. Basement on heating duct boots at ceiling.	Basement on seams of heating ducts	-
	Asbestos (Y/N)	Y	Y	
	Sample Description	DWR1 Duct wrap	DT1 Duct tape	
	Homo- geneous L.D.	DWR1	DTI	
	Sample Number	647-28	647-29	

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

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

 Report Date:
 Feb. 3, 2020

 Project No.:
 20-04-047

 Log No.:
 3051

Independence, Ohio 44131

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 EPAs 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 ($<0.25\mu$ 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

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

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					Asbestos Type(s) Detected	rpe(s) Deter	cted		Non-Asbe	Non-Asbestos Materials	lia,	<u></u>	<u></u>
.oV d6J	Client No.	Description	Location	Color	ətiosynd) %	əjisomA %	% Crocidolite	% Officer	əsoiullə) %	% Fibrous Glass/ Mineral Wool		suondi Fibrous Materials	
77191	647-01	Roof shingle	Garage roof	Brown	0	0	0	0	0	õ		0	0 70
77192	647-02			Brown	0	0	0	0	0	30	0		20
77193	647-03	Roof felt		Black	0	0	0	0	55	0	0		45
77194	647-04			Black	0	0	0	0	55	0	0		45
77195	647-05	Roof sheeting	House back 1-story sloped	Gray	0	0	0	ο	20	15	0		65
77196	647-06		roof	Gray	0	0	0	0	20	15	o		65
1072	647-07a	Plaster	2nd floor stainwell wall to 3 rd	White	0	0	0	0	0	0	0		100
18177	647-07b		floor	Tan	0	0	0	0	0	0	в		97
77400	647-08a		2 nd floor bedroom ceiling	White	0	0	0	0	0	٥	0		100
02177	647-08b			Tan	0	0	0	0	0	0	5		95
00762	647-09a		2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0		100
221	647-09b			Tan	0	0	0	0	0	0	в		97
00022	647-10a		Stairwell ceiling to 2 nd floor	White	0	0	٥	0	0	0	0		100
1 / 200	647-10b			Tan	0	0	0	0	0	0	ъ		95

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.

Laboratory Director Daniel C. Peders

Approved By:__

Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

Exhibit A

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

Amianthus

Exhibit A

					Asbestos Type(s) Detected	pe(s) Deter	cted		Non-Asbe	Non-Asbestos Materials	rials		2 of 3
Lab No.	Client No.	Description	Location	Color	əlitosynt) %	etisomA %	9)ilobioonO %	nərtiO %	esolulie) %	% Fibrous Glass/ Mineral Wool	% Other Fibrous Materials	% Non-Fibrous Materials	Comments
	647~11a	Plaster	1st floor stairwell ceiling	White	0	0	0	0	0	0	0	100	Top finish coat
1.0277	647-11b			Tan	0	0	0	0	0	٥	ო	67	Bottom scratch coat
	647-12a		1st floor dining room wall	White	0	0	0	0	0	0	0	100	Top finish coat
1 / 202	647-12b			Tan	0	0	0	0	0	0	7	63	Bottom scratch coat
	647-13a		1 st floor living room wall	White	o	0	0	0	0	0	0	100	Top finish coat
. cuz / /	647-13b			Tan	0	0	0	0	0	0	5	95	Bottom scratch coat
77204	647-14	Finished drywall	2 rd floor bathroom wall	White	0	0	0	0	3	0	0	97	All layers analyzed
77205	647-15	(drywall board, joint compound and tape)	2 nd floor bathroom ceiling	White	0	0	0	0	3	0	0	97	and no asbestos detected in any of the
77206	647-16			White	0	0	0	0	3	0	0	97	layers
77207	647-17	Textured coating	2 nd floor bedroom ceiling	White	0	0	0	0	0	0	0	100	
77208	647-18		Stainwell ceiling to 2 nd floor	White	0	0	0	0	0	0	0	100	
77209	647-19		1 st floor living room ceiling	White	0	0	0	0	0	0	o	100	
77210	647-20	Floor tile	2 nd floor bathroom	Black	0	0	0	0	0	0	0	100	
77211	647-21		Stair to basement	Green	o	0	0	0	0	0	0	100	
77212	647-22	Mastic for floor tile	2 nd floor bathroom	Yellow	0	0	0	0	0	0	0	100	

AIHA PAT for Bulk Asbestos no. 198622

This contidential report relates only to those itern(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.

Laboratory Director Daniel C. Peders

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Approved By:__

Analysis Performed By: <u>Daniel C. Peders</u> Date: <u>February 3, 2020</u>

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

Amianthus

Exhibit A

Abbestors Type(s) DetectedNon-Absetsors MaterialsNon-Absetsors Materials1Client No.Non-Absetsors MaterialsNon-Absetsors Materials1Client No.DescriptionNon-Absetsors MaterialsNon-Absetsors Materials1Client No.DescriptionNon-Absetsors MaterialsNon-Absetsors Materials1Client No.DescriptionLocationColor% Crocidolifie1E47-25Mastic for floor tileStair to basementYellow0001E47-26Floor sheetingKitchenElack00001001E47-26Floor sheetingStart to basementWhile0000001E47-26Floor sheetingBasementWhile000000001E47-26Floor sheetingBasement on duct seamMaterials00000001E47-26Floor sheetingBasement on duct seamComments00000001E47-26Floor sheetingBasement on duct seamComments000000001E47-26Floor sheetingWhiteE0000000001E47-26Floor sheetingWhiteE000000000 </th <th></th>														
$ \left(\begin{array}{c c c c } \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $						Asbestos Ty	pe(s) Detec	tted		Non-Asbe	stos Mate	rials		3 of 3
647-23 Mastic for floor tile Stair to basement Yellow 0 </th <th>.oV dbJ</th> <th>Client No.</th> <th>Description</th> <th>Location</th> <th>Color</th> <th>əliosynd) %</th> <th>əjizomA %</th> <th>ejilobizon O %</th> <th>% Ofher</th> <th>% Cellulose</th> <th></th> <th></th> <th></th> <th>Comments</th>	.oV dbJ	Client No.	Description	Location	Color	əliosynd) %	əjizomA %	ejilobizon O %	% Ofher	% Cellulose				Comments
647-24 Sink bottom coating Kitchen Black 0	77213	647-23	Mastic for floor tile	Stair to basement	Yellow	0	0	0	0	0	0	0	100	
647-25 $647-25$ 9 9 9 9 0	77214	647-24	Sink bottom coating	Kitchen	Black	0	0	o	0	0	0	0	100	
647-26Floor sheetingBasementWhite00020000 $647-27$ $e47-28$ $Duct wrap$ Behind plaster wall on 1 st floor $White850000000647-29Duct tapeBasement on duct seamGray6500000000$	77215	647-25			Black	0	0	0	0	0	0	0	100	
647-27 647-27 0 <th< td=""><td>77216</td><td>647-26</td><td>Floor sheeting</td><td>Basement</td><td>White</td><td>0</td><td>0</td><td>0</td><td>0</td><td>20</td><td>0</td><td>0</td><td>8</td><td></td></th<>	77216	647-26	Floor sheeting	Basement	White	0	0	0	0	20	0	0	8	
647-28 Duct wrap Behind plaster wall on 1 st floor White 85 0	77217	647-27			White	0	0	0	0	20	0	0	8	
647-29 Duct tape Basement on duct seam Gray 65 0 0 0 0 0	77218	647-28	Duct wrap		White	85	0	0	0	0	0	0	15	
	77219	647-29	Duct tape	Basement on duct seam	Gray	65	0	0	0	0	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-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

Laboratory Director Daniel C. Peders

Ś Approved By:__

APPENDIX C

Photographic Documentation

