

**35% SCHEMATIC DESIGN SUBMISSION  
ASBESTOS & HAZMAT MATERIALS SUMMARY  
ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

Date: October 22, 2023

Items: Summary Results of Asbestos & HazMat, Site Visit, Visual Inspection, Lab Results

Site Visit: October 12, 2023

Inspector: Brett Brumbaugh - Castle Hill Associates

Findings: Asbestos containing materials are present in the renovation areas  
Universal Wastes are present in the renovation areas  
Lead-based paint is present on components to be affected in the renovation areas

### **Asbestos Materials Summary in Work Areas**

<b>Asbestos Containing Material</b>	<b>Locations</b>	<b>Quantity</b>
Pipe insulation on steam and domestic water lines	Vertical pipe chases behind hard plaster walls in 7B and 10B	480 lf

### **Lead Paint and Lead Containing Building Materials in Work Areas**

removed by separate project

<b>Lead Painted or Lead Building Materials</b>	<b>Locations</b>
Ceramic Wall Tile Glaze	7B and 10B walls

### **Universal Waste Summary**

<b>Universal Waste Components</b>	<b>Locations</b>
Fluorescent light tubes	7B and 10B

### **Mold Impacted Building Materials Summary**

<b>Mold Impacted Building Materials</b>	<b>Locations</b>	<b>Quantity</b>
Hard plaster above lay-in ceiling tiles and 2x4 lay-in ceiling tiles	10B Cart washing area	120 sf of plaster 420 sf of ceiling tile & grid

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ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
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Estimator: Brett Brumbaugh

Notes: Based on 2024-25 construction and bidding (normal working hours)

**EXCLUDES:**

- Overtime or shift work.

**INCLUDES:**

- Bonds, insurance, contractor overhead and profit
- Prevailing wage rates for St. Cloud, MN

**Notes:**

- The asbestos containing pipe insulation located behind the plaster walls in the vertical chases can remain in-place and is not expected to be disturbed as part of this renovation project.
- The asbestos contaminated soils in the crawl space will not require abatement, but the GC must conduct initial personal air monitoring for workers entering the crawl space.
- The lead glazed ceramic wall tiles will not require abatement, but the GC must conduct initial personal air monitoring for workers conducting the demo of the wall tiles.

ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

# ASBESTOS & LEAD SAMPLING REPORT

for

**ST. CLOUD VA MEDICAL CENTER  
4801 VETERANS DR.  
ST. CLOUD, MN 56303**

**PROJECT:  
REPAIR BASEMENT KITCHEN - BUILDING 50  
656-20-130**



**INSPECTION DATE:  
OCTOBER 12, 2023**

ENVIRONMENTAL CONSULTANT:  
CASTLE HILL ASSOCIATES, LLC  
1197 FARNSWORTH RD., UNIT E  
WATERVILLE, OH 43566  
567-952-0212  
[www.CASTLEHILLASSOCIATES.com](http://www.CASTLEHILLASSOCIATES.com)



**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

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**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

## **ASBESTOS INSPECTION SUMMARY**

On October 12, 2023, Brett Brumbaugh of Castle Hill Associates performed an asbestos survey and lead paint XRF testing prior to the planned interior renovations planned in Building 50 which involves the renovation of the Basement Kitchens (Rooms 7-B and 10-B) at the St. Cloud VAMC in St. Cloud, MN. Bulk samples were collected of suspect asbestos containing materials that had not been previously sampled during previous asbestos surveys in the building. There were 20 bulk samples taken as part of this survey with the materials identified in the report included in this submission.

The asbestos bulk sampling conducted as part of this project was based upon the appearance, texture, and location of the suspect materials. All bulk samples were analyzed utilizing current EPA methods for PLM (Polarized Light Microscopy) by Eurofins Laboratory in Naperville, IL. Eurofins is accredited by the NIST, NVLAP program (National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program) and also an American Industrial Hygiene Association (AIHA) accredited laboratory.

Lead paint and building component testing was conducted on all painted surfaces or suspect lead containing building materials in the renovation areas which will be disturbed as part of this project. The testing was conducted utilizing a Viken Detection Pb200i direct read XRF analyzer. Painted components or building materials that were tested in the areas are considered to be “lead-based” paint or lead-containing building components as defined by the US EPA (greater than 1.0 mg/cm<sup>2</sup>).

The asbestos and lead testing was conducted by Brett Brumbaugh who is a Minnesota licensed asbestos inspector and is also an EPA Licensed Lead Risk Assessor. Mr. Brumbaugh has been conducting asbestos surveys and lead sampling since 1987 and is licensed in 34 states.

### **Asbestos Materials Findings**

As a result of the bulk sampling conducted during this inspection and previous testing, the following asbestos containing materials were identified in the renovation areas of the building:

<b>Asbestos Containing Material</b>	<b>Locations</b>	<b>Quantity</b>
Pipe insulation on steam and domestic water lines	Vertical pipe chases behind hard plaster walls in 7B and 10B	480 lf
Pipe insulation debris in soil	Crawl spaces under 7B and 10B	4,800 sf

### **Lead-Based Paint Findings**

As a result of the XRF testing for lead-based paint and lead containing building materials conducted during this inspection, there was lead identified on components in the renovation areas that will be impacted as part of the planned renovation scope of work as follows:

<b>Lead Painted or Lead Building Materials</b>	<b>Locations</b>
Ceramic Wall Tile Glaze	7B and 10B walls



**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD VA MEDICAL CENTER – ST. CLOUD, MN  
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### **UNIVERSAL WASTES FINDINGS**

The universal waste survey was conducted to identify all confirmed and potential universal wastes (PCB and mercury containing components, High Intensity Discharge (HID) lighting lamps, transformers, thermostats, hydraulic lifts, switches, and other suspect equipment) which may require special handling and disposal as part of renovation projects.

As a result of this inspection, the following Universal Wastes were identified in the renovation areas of the building:

<b>Universal Waste Components</b>	<b>Locations</b>
Fluorescent light tubes	7B and 10B

### **MOLD GROWTH FINDINGS**

The survey included the identification of visible mold growth on building materials in the renovation areas and the following components were identified as having mold growth:

<b>Mold Impacted Building Materials</b>	<b>Locations</b>	<b>Quantity</b>
Concrete exterior walls above lay-in ceiling tiles and 2x4 lay-in ceiling tiles & grid	10B Cart washing area	120 sf of concrete 420 sf of ceiling tile & grid

### **COINLUSIONS/RECOMMENDATIONS**

**ASBESTOS:** The asbestos containing pipe insulation identified in the renovation area are not expected to be disturbed as part of the renovations and must only be identified to the GC so that they are not damaged during the demolition of the ceramic tiles on the walls. In addition, the contractors who enter the crawl spaces must conduct personal air monitoring for their workers to ensure their exposure to asbestos fibers in the soil is below the established OSHA PEL for asbestos in construction.

**LEAD-CONTAINING BUILDING COMPONENTS:** The identified lead painted components can be removed and disposed of by the GC during the demolition with proper personal air monitoring on the first day of demolition to comply with OSHA requirements for lead exposure in construction to establish a negative exposure assessment.

**UNIVERSAL WASTES:** The identified Universal Wastes must be removed, handled, transported, and disposed/recycled in an EPA approved facility by persons with proper training in the handling of Universal Wastes and in accordance with VA specifications.

**MOLD GROWTH:** The identified building materials with visible mold growth should be removed by a qualified remediation contractor prior to the interior renovations. All mold remediation work is recommended to be conducted by a qualified remediation contractor utilizing industry standard practices for mold remediation and in accordance with VA specifications.

Inspector,



Brett L. Brumbaugh, REPA, CESCO  
Vice-President



**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

## **ASBESTOS SAMPLING PROTOCOL**

The bulk samples were collected from locations that were selected to be representative of the building materials. Sampling was accomplished using the simplified sampling scheme referred in the AHERA regulations and found in the "Pink Book". Locations of individual samples are referred on this report.

The samples were either collected with a coring tool designed for asbestos sampling or placed into a plastic bag for laboratory analysis. The samples were analyzed via polarized light microscopy with dispersion staining, using the "Interim method for the Determination of Asbestos in Bulk Insulation Samples" found in Appendix A to Subpart F in 40 CFR Part 763.

The regulations require specific numbers of samples be obtained per homogeneous area. For example, when sampling for joint compound or asbestos in hard plaster (sprayed-on or troweled-on surfacing materials) samples are to be taken based on the following increments: 0 to 1000 square feet of material, 3 samples are necessary. From 1001 to 5000 square feet, 5 samples are necessary, over 5000 square feet 7 samples are required. If during analysis any samples are found to contain asbestos, the entire homogeneous area is delineated as asbestos containing material. In the case of pipe insulation or other types of manufactured materials, the regulations require only enough samples to ascertain whether asbestos is present. In this case, the minimum number of samples to collect and analyze is usually three. The sampling performed in this inspection followed these sampling guidelines.

## **ASBESTOS GLOSSARY OF TERMS**

***Friable asbestos material:*** means any material containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763 section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

***Category I Non-friable Asbestos Containing Material (ACM):*** means asbestos containing packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, Section 1, Polarized Light Microscopy.

***Category II Non-friable ACM:*** means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

***Regulated Asbestos Containing Material (RACM):*** means (a) Friable asbestos material, (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 the forces expected to act on the material expected in the course of demolition or renovation operations regulated by this subpart.



**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

**ASBESTOS BULK SAMPLE DESCRIPTIONS & RESULTS**

**PLM Asbestos Bulk Sampling Data**

Site: **St. Cloud VA Medical Center - St. Cloud, MN**  
Building: **Repair B50 Basement Kitchen**  
Project: **656-20-130**  
Sampling Date: **Brett Brumbaugh**  
Inspector: **10/12/2023**  
Certification: **Minnesota Asbestos Inspector**  
Analysis Dates: **October 20, 2023**  
Laboratory: **Eurofins - Naperville, IL**

SAMPLE #	ROOM	MATERIAL	ASBESTOS CONTENT
1	7B Kitchen	Hot water pipe insulation	<b>5% Amosite Asbestos</b>
2	10B kitchen	Hard plaster (base & finish coats)	No Asbestos Detected
3	7B Kitchen	Hard plaster (base & finish coats)	No Asbestos Detected
4	10B kitchen	Hard plaster (base & finish coats)	No Asbestos Detected
5	10B kitchen	Backer board for hard plaster	No Asbestos Detected
6	10B kitchen	Backer board for hard plaster	No Asbestos Detected
7	7B Kitchen	Backer board for hard plaster	No Asbestos Detected
8	10B kitchen	Ceramic tile backer board	No Asbestos Detected
9	10B kitchen	Ceramic tile backer board	No Asbestos Detected
10	7B Kitchen	Ceramic tile backer board	No Asbestos Detected
11	10B kitchen	Drywall joint compound	No Asbestos Detected
12	10B kitchen	Drywall joint compound	No Asbestos Detected
13	7B Kitchen	Drywall joint compound	No Asbestos Detected
14	10B kitchen	Ceramic wall tile adhesive	No Asbestos Detected
15	10B kitchen	Ceramic wall tile adhesive	No Asbestos Detected
16	7B Kitchen	Ceramic wall tile adhesive	No Asbestos Detected
17	10B kitchen	Ceramic floor tile grout	No Asbestos Detected
18	7B Kitchen	Ceramic floor tile grout	No Asbestos Detected
19	Outside 7B	Exterior window caulking	No Asbestos Detected
20	Outside 10B	Exterior window caulking	No Asbestos Detected



**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

**LEAD XRF TESTING DATA**

Project: St. Cloud VA Medical Center - St. Cloud, MN  
Project: Repair B50 Basement Kitchen  
Project #: 656-20-130  
Inspector: Brett Brumbaugh  
Date: 10/12/2023  
XRF Mfg.: Viken Detection  
Model: Pb200i  
Type: XRF Lead Paint Analyzer  
Serial # 2757

Reading #	Room/Area	Component	Paint/Component Color	Pb Conc. mg/cm <sup>2</sup>	Result
1	10B kitchen	Hard plaster ceiling	White	0.2	Negative
2	<b>10B kitchen</b>	<b>Ceramic wall tile</b>	<b>White</b>	<b>1.5</b>	<b>POSITIVE</b>
3	10B kitchen	Hard plaster wall	White	0.0	Negative
4	10B kitchen	Concrete ceiling deck	Gray	0.1	Negative
5	10B kitchen	Concrete ceiling deck	White	0.2	Negative
6	10B kitchen	Upper concrete wall	Gray	0.2	Negative
7	<b>10B custodial storage</b>	<b>Ceramic wall tile</b>	<b>White</b>	<b>1.3</b>	<b>POSITIVE</b>
8	10B custodial storage	Metal door frame	Brown	0.6	Negative
9	7B kitchen	Metal door frame	Brown	0.4	Negative
10	<b>7B kitchen</b>	<b>Ceramic wall tile</b>	<b>White</b>	<b>1.7</b>	<b>POSITIVE</b>
11	7B kitchen	Hard plaster wall	White	0.2	Negative
12	7B kitchen	Hard plaster ceiling	White	0.2	Negative
13	7B kitchen	Hard plaster wall	Green	0.2	Negative



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

**PHOTOGRAPHS OF ASBESTOS MATERIALS IN WORK AREAS**

<b>Photo A-1</b> Pipe insulation in vertical wall chases	
<b>Photo A-2</b> Pipe insulation in vertical wall chases	
<b>Photo A-3</b> Pipe insulation in vertical wall chases	

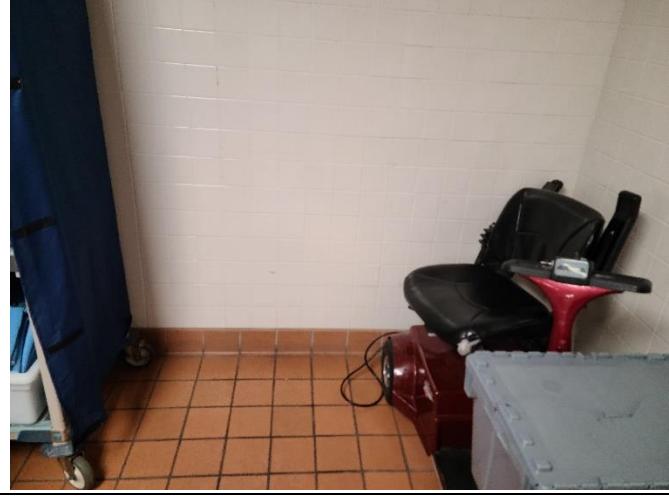
ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

**PHOTOGRAPHS OF ASBESTOS MATERIALS**

<b>Photo A-4</b> Pipe insulation in vertical wall chases	
<b>Photo A-5</b> Pipe insulation in vertical wall chases	
<b>Photo A-6</b> Pipe insulation debris in crawl space soil	

ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

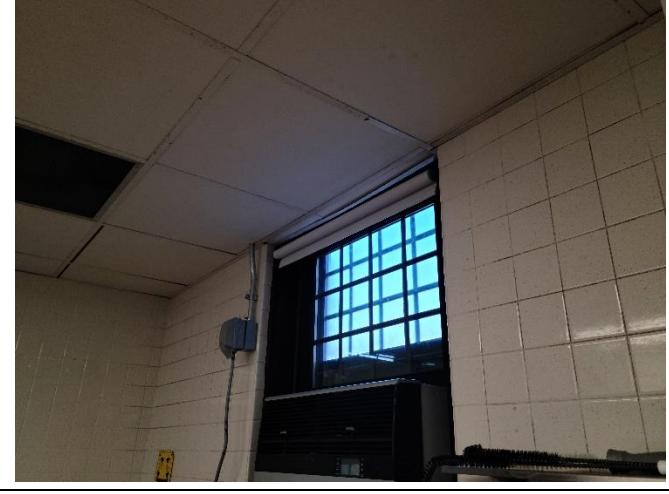
PHOTOGRAPHS OF LEAD COMPONENTS AFFECTED BY PROJECT SOW

<p><b>Photo L-1</b> Ceramic wall tiles</p>	 A photograph showing a wall covered in white ceramic tiles. Above the wall is a white ceiling with a rectangular air vent and a large, curved white pipe. To the right, there is a stainless steel preparation table and a large stainless steel oven or range.
<p><b>Photo L-2</b> Ceramic wall tiles</p>	 A photograph showing a wall covered in white ceramic tiles. In the foreground, there is a red and black piece of equipment, possibly a vacuum cleaner or a piece of kitchen machinery, sitting on a tiled floor. A blue curtain is visible on the left.
<p><b>Photo L-3</b> Ceramic wall tiles</p>	 A photograph showing a large kitchen space with white ceramic tiles on the walls. The floor is made of reddish-brown tiles. The kitchen is equipped with various stainless steel fixtures, including a large prep table, ovens, and storage units. A white pillar is visible in the center of the room.



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
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PHOTOGRAPHS OF MOLD GROWTH IN WORK AREAS

<p><b>Photo L-1</b> Above ceiling tiles on exterior painted concrete walls in cart washing area</p>	
<p><b>Photo L-2</b> Above ceiling tiles on exterior painted concrete walls in cart washing area</p>	
<p><b>Photo L-3</b> Ceiling tiles and grid in cart washing area</p>	

**ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130**

## **ASBESTOS LABORATORY REPORT**



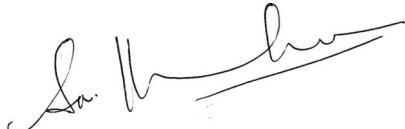
Report for:

**Mr. Brett Brumbaugh, REPA**  
**Castle Hill Associates**  
PO Box 283  
Waterville, OH 43566

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Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: St. Cloud VAMC; Repair B50 Kitchen  
EML ID: 3421894

Approved by:



Cluster Leader  
Dr. Kamash Pillai

Dates of Analysis:  
Asbestos PLM: 10-18-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)  
NVLAP Lab Code 600194-0

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Castle Hill Associates  
 C/O: Mr. Brett Brumbaugh, REPA  
 Re: St. Cloud VAMC; Repair B50 Kitchen

Date of Receipt: 10-17-2023  
 Date of Report: 10-20-2023

## ASBESTOS PLM REPORT

<b>Total Samples Submitted:</b>	20
<b>Total Samples Analyzed:</b>	20
<b>Total Samples with Layer Asbestos Content &gt; 1%:</b>	1

### Location: 1, HW pipe insulation

Lab ID-Version‡: 16652439-1

Sample Layers	Asbestos Content
Gray Insulation	5% Amosite
White Wrap	ND
<b>Composite Non-Asbestos Content:</b>	65% Cellulose 20% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Good

### Location: 2, Hard plaster

Lab ID-Version‡: 16652440-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 3, Hard plaster

Lab ID-Version‡: 16652441-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 4, Hard plaster

Lab ID-Version‡: 16652442-1

Sample Layers	Asbestos Content
Gray Plaster	ND
White Skim Coat with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Castle Hill Associates  
 C/O: Mr. Brett Brumbaugh, REPA  
 Re: St. Cloud VAMC; Repair B50 Kitchen

Date of Receipt: 10-17-2023  
 Date of Report: 10-20-2023

## ASBESTOS PLM REPORT

### Location: 5, Backer board for plaster

Lab ID-Version‡: 16652443-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

### Location: 6, Backer board for plaster

Lab ID-Version‡: 16652444-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

### Location: 7, Backer board for plaster

Lab ID-Version‡: 16652445-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

### Location: 8, Ceramic tile backer board

Lab ID-Version‡: 16652446-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

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 C/O: Mr. Brett Brumbaugh, REPA  
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Date of Receipt: 10-17-2023  
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## ASBESTOS PLM REPORT

### Location: 9, Ceramic tile backer board

Lab ID-Version‡: 16652447-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

### Location: 10, Ceramic tile backer board

Lab ID-Version‡: 16652448-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Drywall with Brown Paper	ND
<b>Composite Non-Asbestos Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

### Location: 11, Drywall mud

Lab ID-Version‡: 16652449-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Mud with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 12, Drywall mud

Lab ID-Version‡: 16652450-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Mud with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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Client: Castle Hill Associates  
 C/O: Mr. Brett Brumbaugh, REPA  
 Re: St. Cloud VAMC; Repair B50 Kitchen

Date of Receipt: 10-17-2023  
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## ASBESTOS PLM REPORT

### Location: 13, Drywall mud

Lab ID-Version‡: 16652451-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
White Mud with Paint	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 14, Ceramic wall tile glue

Lab ID-Version‡: 16652452-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 15, Ceramic wall tile glue

Lab ID-Version‡: 16652453-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 16, Ceramic wall tile glue

Lab ID-Version‡: 16652454-1

<b>Sample Layers</b>	<b>Asbestos Content</b>
Tan Mastic	ND
<b>Sample Composite Homogeneity:</b>	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Castle Hill Associates  
 C/O: Mr. Brett Brumbaugh, REPA  
 Re: St. Cloud VAMC; Repair B50 Kitchen

Date of Receipt: 10-17-2023  
 Date of Report: 10-20-2023

## ASBESTOS PLM REPORT

### Location: 17, Ceramic floor tile grout

Lab ID-Version‡: 16652455-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Content:</b>	5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

Comments: No grout present in sample bag.

### Location: 18, Ceramic floor tile grout

Lab ID-Version‡: 16652456-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Content:</b>	5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

Comments: No grout present in sample bag.

### Location: 19, Ext window caulking

Lab ID-Version‡: 16652457-1

Sample Layers	Asbestos Content
Gray Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

### Location: 20, Ext window caulking

Lab ID-Version‡: 16652458-1

Sample Layers	Asbestos Content
Gray Caulk	ND
<b>Sample Composite Homogeneity:</b>	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY  
www.EMLabPK.com



New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (866) 871-1984  
Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 \* (800) 651-4802  
SSF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 \* (866) 888-6653

Weather	Fog	Rain	Snow	Wind	Clear
Level	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**REQUESTED SERVICES**  
(Use checkboxes below)

Non-Culturable		Culturable		Other Requests
Spore Trap	Tape Swab Bulk	BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fungi – Spore Trap Analysis
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spore Trap Analysis – Other particles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Direct Microscopic Exam (Qualitative)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Quantitative Spore Count Direct Exam
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1-Media Surface Fungi (Genus ID)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2-Media Surface Fungi (Genus ID)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3-Media Surface Fungi (Genus ID)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Culturable Air Fungi (Genus ID)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gram Stain & Counts (Culturable)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Legionelle culture
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Total Coliform, E. coli /Pres
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Membrane Filtration (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MPN Bacteria (specify organism):
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QuantiTray – Sewage Screen
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Asbestos Analysis – PLM (EPA method 600/R-93-116)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PCR (specify test):

SAMPLE TYPE CODES				RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard ...	T - Tape	D - Dust		10-14-23	OCT 17 2023	
A1S - Anderson		SW - Swab	SO - Soil				
SAS - Surface Air Sampler	P - Potable Water	B - Bulk					
CP - Contact Plate	NP - Non-Potable Water	O - Other				EF 845	

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/s/main/serviceterms.html>

ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

## LABORATORY CERTIFICATIONS

United States Department of Commerce  
National Institute of Standards and Technology



### Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600194-0

**Eurofins EMLab P&K**  
Naperville, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

#### Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2023-07-01 through 2024-06-30

Effective Dates



*For the National Voluntary Laboratory Accreditation Program*

A handwritten signature in blue ink that reads "Debra E. Lamer".



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Eurofins EMLab P&K**

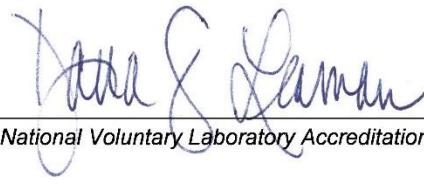
1815 W. Diehl Rd.  
Suite 800  
Naperville, IL 60563  
Claudia Palermo  
Phone: 856-334-1001  
Email: [claudia.palermo@et.eurofinsus.com](mailto:claudia.palermo@et.eurofinsus.com)  
<https://www.eurofinsus.com/Built>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 600194-0**

**Bulk Asbestos Analysis**

<b><u>Code</u></b>	<b><u>Description</u></b>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in blue ink that reads "Donna G. Laman".

*For the National Voluntary Laboratory Accreditation Program*

*Effective 2023-07-01 through 2024-06-30*

Page 1 of 1



ASBESTOS & HAZMAT MATERIALS SURVEY  
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## INSPECTOR CERTIFICATIONS



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

United States Environmental Protection Agency

This is to certify that



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:



In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires July 03, 2026

LBP-R-I216003-2

Certification #

June 13, 2023

Issued On



Adrienne Priselac, Manager, Toxics Office

Land Division



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

# *Certificate of Achievement*

This is to certify that

**BRETT L. BRUMBAUGH**

**CASTLE HILL ASSOCIATES, LLC**

on the 10<sup>th</sup> of August, 2020 successfully completed the factory training for

Viken Detection Corp. Pb200i XRF Lead Paint Analyzer

Including, but not limited to, the topics of Radiation Safety, DOT Regulations, Haz-Mat Security Awareness and the Proper Use of the Instrument.

Trainer:  
Adam Robison, Sales Director  
Viken Detection Corporation  
21 North Avenue  
Burlington, MA 01803



ASBESTOS & HAZMAT MATERIALS SURVEY  
ST. CLOUD, MN VA MEDICAL CENTER – ST. CLOUD, MN  
BUILDING 50 – REPAIR BASEMENT KITCHEN PROJECT 656-20-130

VSSA

# Valley Safety Services Associates, Inc.

330 Old Enfield Road, Belchertown, MA 01007

<http://www.vssa-inc.com>

(413)323-9571

## Leak Test Data/Certificate

Complete the data requested on the top part of this form and return it with your leak test to the address in the above heading. Following our analysis of your leak test specimen we will return this form to you for your record of the test and results.

### Source/Device Description

Device: Source Model: \_\_\_\_\_ Serial #: 2757 Manufacturer: Viken Detection

Radioisotope Co-57 Activity (mCi) 5mci

Source model: A3901-2 Source #: V3-901 Manufacturer: Eckert & Ziegler

The leak testing of this source/device was performed as indicated in manufacturer recommendations or LT-952 kit instructions using kit # 882441

By: Brian Couture Date: 08/31/2022

Company: Viken Detection Corporation Telephone: 617-467-5526

Address: 21 North Avenue Fax: 617-467-5024  
Burlington, MA 01803

Do Not Write Below This Line

## Leak Test Analysis Result

Analysis of the above test on 1 Sept 22 yielded the following:

Statistical analysis of the radioactive count data of this leak test specimen indicated any activity present is less than 0.005  $\mu$ Ci. The source may be used as authorized.

Statistical analysis of the radioactive count data of this leak test specimen indicated there is greater than 0.005 microcuries of activity present. This source should be considered leaking. Consult your device operations manual; place this unit in storage and make the required notification to your regulatory agency.

YOUR NEXT REQUIRED LEAK TEST FOR THIS DEVICE/SOURCE IS DUE ON OR BEFORE

1 Sept 23

The requirement for the Pb200i is for leak testing not to exceed 12 months. Your state may have a 6 month requirement. Please ensure to check for the requirements of your state.

THIS CERTIFICATE IS AN ESSENTIAL RECORD AND SHOULD BE MAINTAINED FOR INSPECTION BY THE REGULATORY AGENCY.

CERTIFICATE #: 882441 BY: S. Johnson DATE: 1 Sept 22

