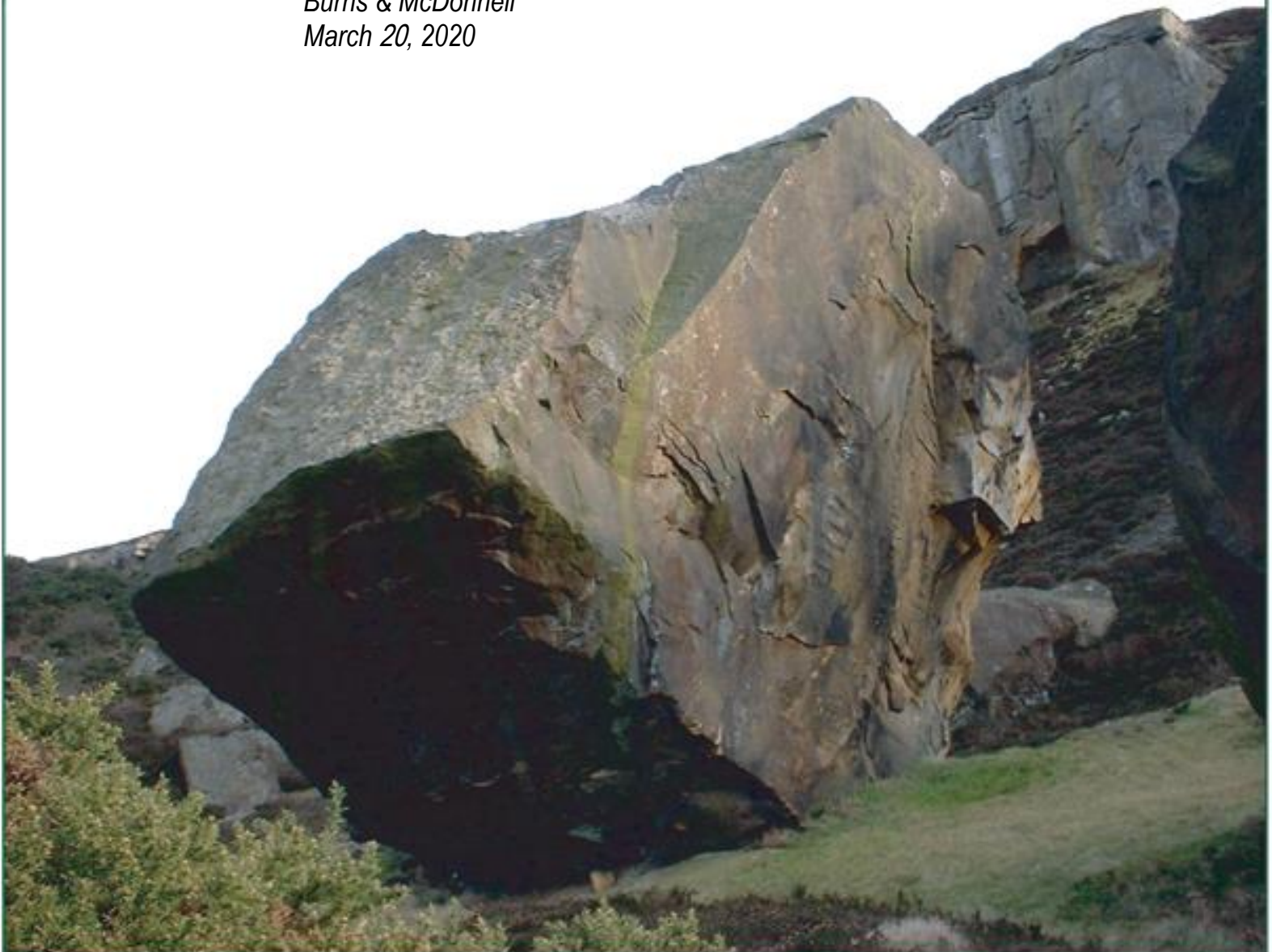




Report of Pre- Demolition Asbestos Survey  
and Lead-Based Paint Screen

Military Working Dog Kennel  
Hunter Army Airfield  
Savannah, Georgia  
Geo-Hydro Project Number 200183.30

*Burns & McDonnell*  
*March 20, 2020*



Mr. Kent Henson, LEED AP BD+C, BCxP  
Senior Project Manager\Aviation & Federal  
Burns & McDonnell  
10 Glenlake Parkway Suite 445  
Atlanta, Georgia 30328

March 20, 2020

**Report of  
Pre-Demolition Asbestos  
and Lead-Based Paint Survey  
Military Working Dog Kennel  
Hunter Army Airfield  
Savannah, Georgia  
Geo-Hydro Project Number 200183.30**

Dear Mr. Henson:

Geo-Hydro Engineers, Inc. has completed the Pre-Demolition Asbestos Survey and Lead-Based Paint Screen for the Military Working Dog Kennel property located at the Hunter Army Airfield in Savannah, Georgia. The subject property consists of a 9,000-square foot Working Dog Kennel and occupied veterinarian areas. The purpose of the pre-demolition asbestos survey and lead-based paint screen is to identify asbestos containing materials (ACMs) and lead-based paint (LBP) that will require special handling during demolition.

Our work was done in general accordance with our proposal 24036.3 dated November 5, 2019. This report and our observations are intended solely for the benefit of Burns & McDonnell and the Hunter Army Airfield and may not be used or relied upon by any other party without Geo-Hydro's prior written consent.

### SITE DESCRIPTION

The Military Working Dog Kennel at Hunter Army Airfield building was constructed generally of wood, cinderblock, and metal construction and was finished on the interior with concrete and vinyl flooring materials, wooden paneling, drywall system components, and other materials. The exterior of the building was generally finished with paint and the roof was metal. Nails observed in the sub-roof during our survey of the interior of the Military Working Dog Kennel building indicate that the metal roof of the Military Working Dog Kennel building may have been installed on top of an old roof (Plates 9 and 10). Geo-Hydro attempted to inspect below the metal roof but was unable to remove it. Our personnel did not have roofing tools suitable for sampling and properly patching such a durable roof. Geo-Hydro recommends having the area below the metal roof inspected for suspect ACM before demolition.

The subject property also had two corrugated metal sheds (Plates 2 - 4). No suspect ACM was identified on the exteriors of the two sheds. From holes in the walls of each of the sheds, the interiors of these sheds appeared to be unfinished. However, the interiors of the two sheds were inaccessible. Geo-Hydro recommends having the interiors of the two sheds inspected for suspect ACM before demolition.

## PROCEDURES

### Limited Pre-Demolition Asbestos Survey and Lead-Based Paint Sampling

Mr. Ian Boulet and Mr. Sam Santoso, certified Asbestos-In-Buildings Inspector (Toxic Substances Control Act (TSCA) Title II) performed a pre-demolition asbestos survey for the subject property on March 5<sup>th</sup> and 6<sup>th</sup>, 2020. The pre-demolition asbestos survey was performed in general accordance with **ASTM E2356-18** *Standard Practice for Comprehensive Building Asbestos Surveys*. Mr. Boulet and Mr. Santoso expended reasonable time and effort to identify and sample as many homogeneous areas of suspect ACMs as possible. Visually identified suspect ACMs were sampled to represent conditions of accessible building space. Nevertheless, there remains a possibility that ACMs are present that were undetected or inaccessible during the site visit. In the event that suspect ACM is discovered, please contact Geo-Hydro to discuss and possibly collect additional building material samples.

A total of 82 samples of suspect ACMs including floor tiles, drywall system components, glue, and other materials, were collected from the subject property. The suspect ACM samples were submitted to Analytical Environmental Services, Inc. (AES) in Atlanta, Georgia. AES is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA) for bulk asbestos fiber analysis. The samples were analyzed for asbestos content using polarized light microscopy (PLM) and dispersion staining (EPA Method 600/R-93/63). Sample locations are shown on Figure 2, which is included in the Appendix.

Eleven representative exterior and interior paint chip samples were collected for total lead analysis for the subject property building. The paint chip samples were submitted to AES laboratory in Atlanta, Georgia. The samples were analyzed for total lead (NIOSH Method 7082). During transportation and storage of the suspect asbestos samples and paint chip samples, a chain-of-custody form was maintained and signed by each individual in possession of the samples. Copies of the analytical test results and chain-of-custody forms are included in the Appendix.

## FINDINGS

### Asbestos Containing Building Materials

Laboratory analyses detected regulated concentrations of asbestos in 3 of the 82 samples analyzed. The results of the asbestos laboratory analysis are presented in the Appendix. The ACM samples and corresponding percent (%) of asbestos detected are noted below. The quantities of ACM noted are estimates only and are not to be used for asbestos abatement cost estimates. **Asbestos contractors are expected to calculate their own ACM quantities for cost estimating and regulatory notification purposes.**

### Interior Building:

Black Mastic: Laboratory analyses detected 5% chrysotile asbestos minerals within the black mastic on the walls within samples DK-70, DK-73, and DK-75 collected from the large veterinarian patient room (Plates 5 - 8). This black mastic was specifically located above the drop ceiling and behind the drywall. The black mastic is considered a Category II Non-friable ACM as long as it is removed in a manner that does not make it friable. We estimate there to be approximately 600-square feet of black mastic within this room; however, it is possible that more of this mastic is hidden behind other areas of drywall within the building. A photograph of the area from which samples DK-70, DK-73, and DK-75 were collected is shown in Plate 8 in the Appendix.

### Lead-Based Paint

Laboratory analyses detected lead above 0.5% by weight in one of the 11 paint chip samples collected from the subject property. Lead was detected at 0.605% by weight in the white paint within sample DKL-10, collected from an interior metal window (Plate 11). The results of the total lead in paint analyses are presented in the Appendix.

## CONCLUSIONS AND RECOMMENDATIONS

We recommend the materials listed as ACMs above in the Findings section be considered ACMs in their entirety at the subject property.

The metal roof of the Military Working Dog Kennel building may have been installed on top of an old roof. Geo-Hydro attempted to inspect below the metal roof but was unable to remove it. Our personnel did not have roofing tools suitable for sampling and properly patching such a durable roof. Geo-Hydro recommends having the area below the metal roof inspected for suspect ACM before demolition.

No suspect ACM was identified on the exteriors of the two corrugated metal sheds. From holes in the walls of each of the sheds, the interiors of these sheds appeared to be unfinished. However, the interiors of the two sheds were inaccessible. Geo-Hydro recommends having the interiors of the two sheds inspected for suspect ACM before demolition.

Prior to demolition, a licensed asbestos abatement contractor should remove and dispose of the asbestos containing materials identified by this report that will be disturbed during demolition. The Georgia Environmental Protection Division requires notifications for demolition or renovation of ACMs. Additionally, ACMs encompassing at least 10 square feet are regulated by the U.S. Environmental Protection Agency (USEPA) under the National Emissions Standards for Hazardous Air Pollutants and also by the Occupational Safety and Health Administration (OSHA) under its worker protection regulations. These regulations require special handling and disposal procedures when asbestos containing materials are disturbed.

The United States Department of Housing and Urban Development (HUD) defines “lead-based paint” as paint containing more than 0.5% lead by dry weight of the paint. Based on the HUD’s lead-based paint definition, paint chip laboratory analyses did detect lead-based paint associated with one paint chip sample collected during our site visit. We recommend that the demolition contractor make a specific composite sample of the demolition debris for Toxic Characteristic (TC) analysis for lead. Demolition debris from commercial projects consisting of components painted with lead-based paint requires TC analysis for lead. When the demolition debris does not exhibit TC for lead that exceeds the regulatory threshold of 5 milligrams per kilogram as a hazardous waste, then the waste may be disposed in a permitted municipal solid waste landfill or a permitted construction and demolition debris landfill. Materials containing lead-based paint are regulated by the OSHA under its worker protection regulations.

\*\*\*\*\*

Geo-Hydro Engineers, Inc. has appreciated the opportunity to perform this pre-demolition asbestos survey and lead-based paint screen. If you have any questions concerning this report, or if we can be of further assistance, please call us.

Sincerely,

GEO-HYDRO ENGINEERS, INC.



Sam Santoso  
Staff Geologist  
[ssantoso@geohydro.com](mailto:ssantoso@geohydro.com)

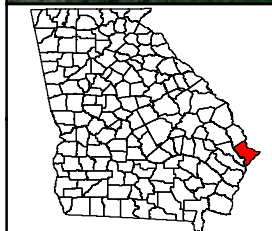
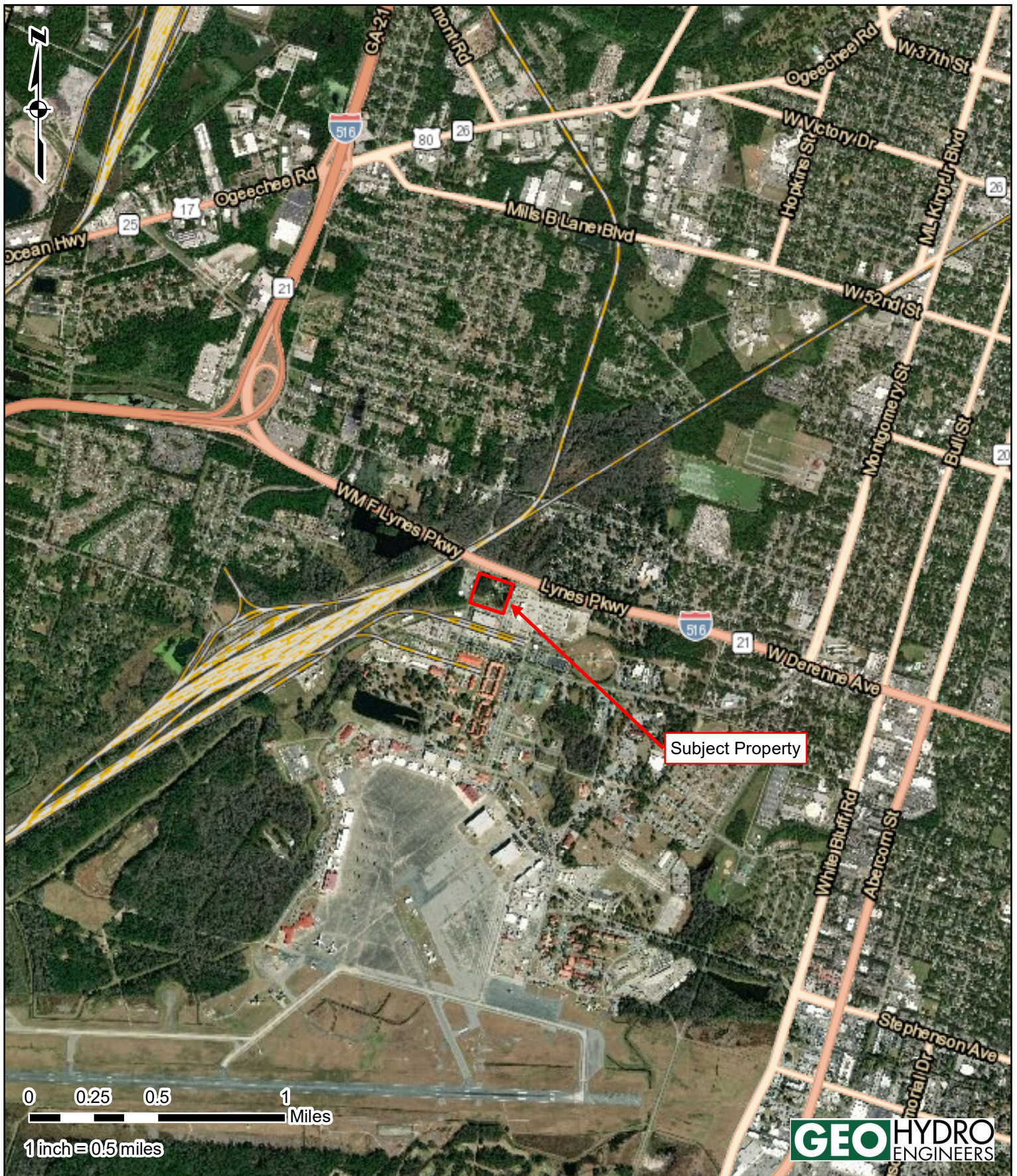


Tyler Kelly  
Environmental Project Manager  
[tkelly@geohydro.com](mailto:tkelly@geohydro.com)

SS/BTK/200183.30 Military Working Dog Kennel HAAB ACM & LBP Survey

# Appendix 1

## Figures and Photographs

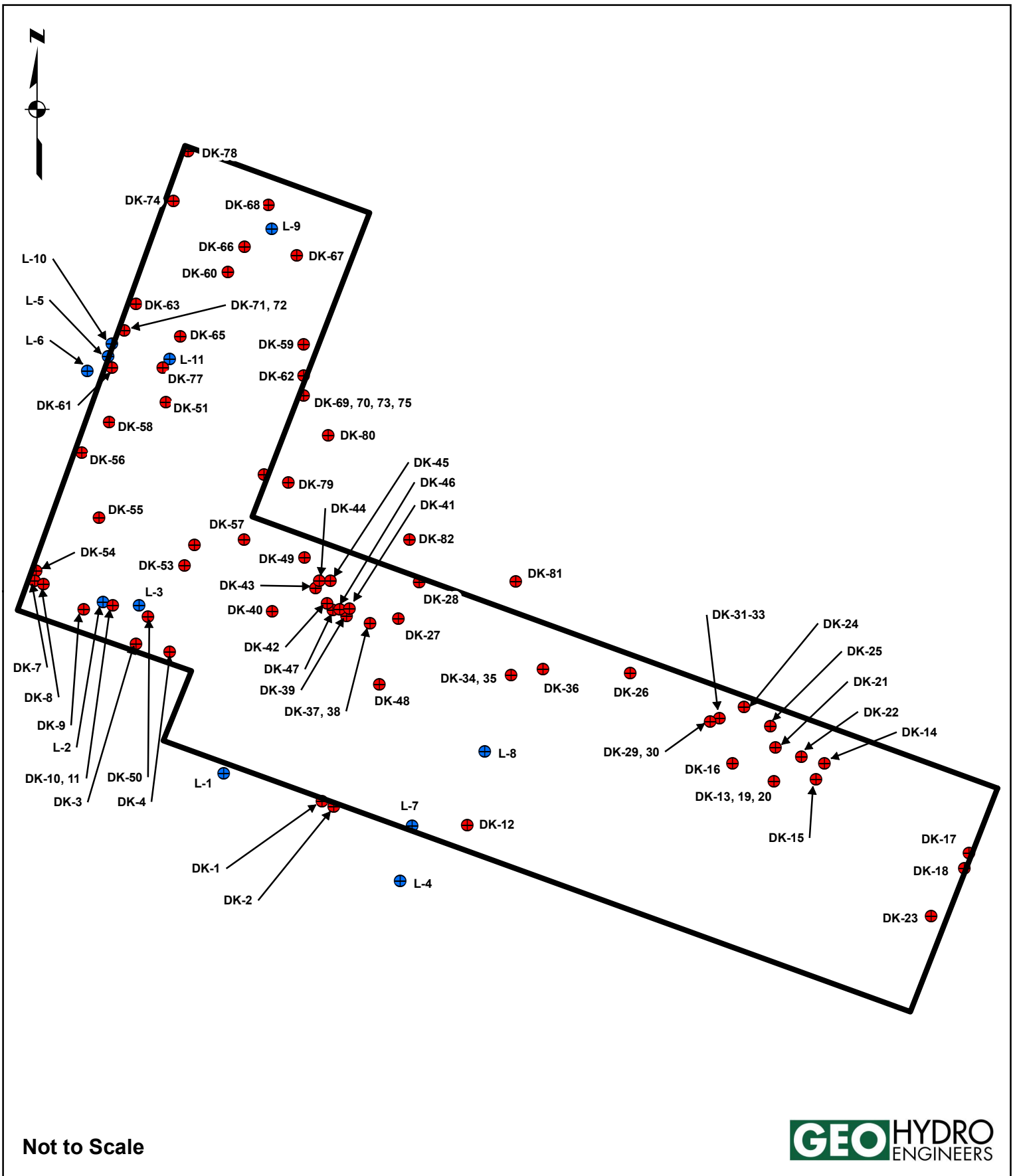


**Figure 1: Site Location Map**

Military Working Dog Kennel HAAB ACM & LBP Screening  
 Hunter Army Airfield, Savannah, Georgia  
 Geo-Hydro Project Number: 200183.30

**Legend**

Site Location



**Figure 2: Sample Location Map**

Military Working Dog Kennel HAAB ACM & LBP Screening  
 Hunter Army Airfield, Savannah, Georgia  
 Geo-Hydro Project Number: 200183.30

**Legend**

- ACM Sample Point
- LBP Sample Point

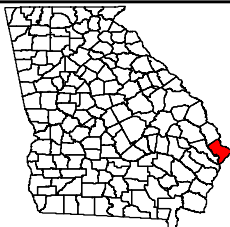




Plate 1: The subject property consists of an approximately 9,000-square foot Working Dog Kennel and associated veterinarian spaces located at the Hunter Army Airfield in Savannah, Georgia. Above is the area where kennels are located.



Plate 2: The subject property consists of an additional two steel corrugated metal storage units not operated by the Working Dog Kennel personnel.



Plate 3: Interior of one of the metal sheds with less damage observed to the exterior.



Plate 4: Interior of one of the metal sheds with large damage observed to the exterior.

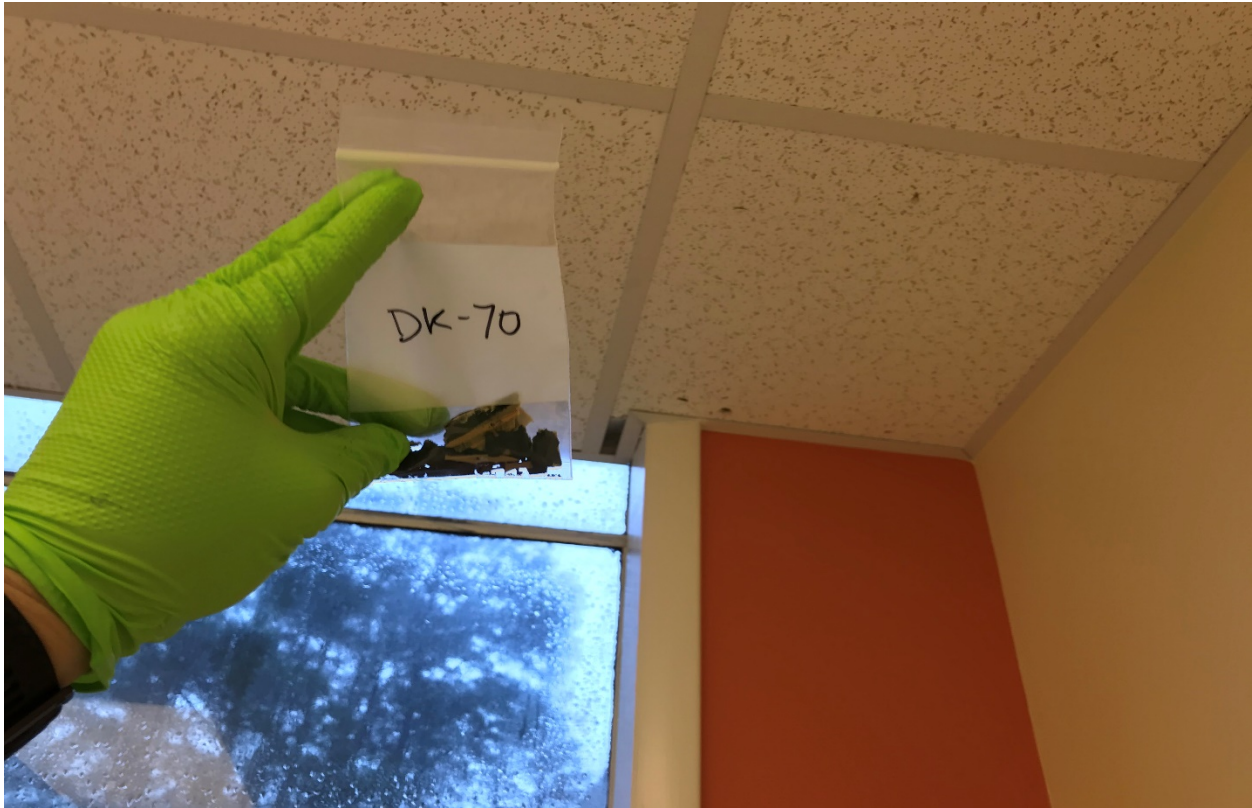


Plate 5: Laboratory analyses detected 5% chrysotile asbestos minerals within the black mastic of samples DK-70, DK-73, and DK-75 collected from behind the drywall above the drop ceiling of the large veterinarian office patient room.



Plate 6: Laboratory analyses detected 5% chrysotile asbestos minerals within the black mastic of samples DK-70, DK-73, and DK-75 collected from behind the drywall above the drop ceiling of the large veterinarian office patient room.

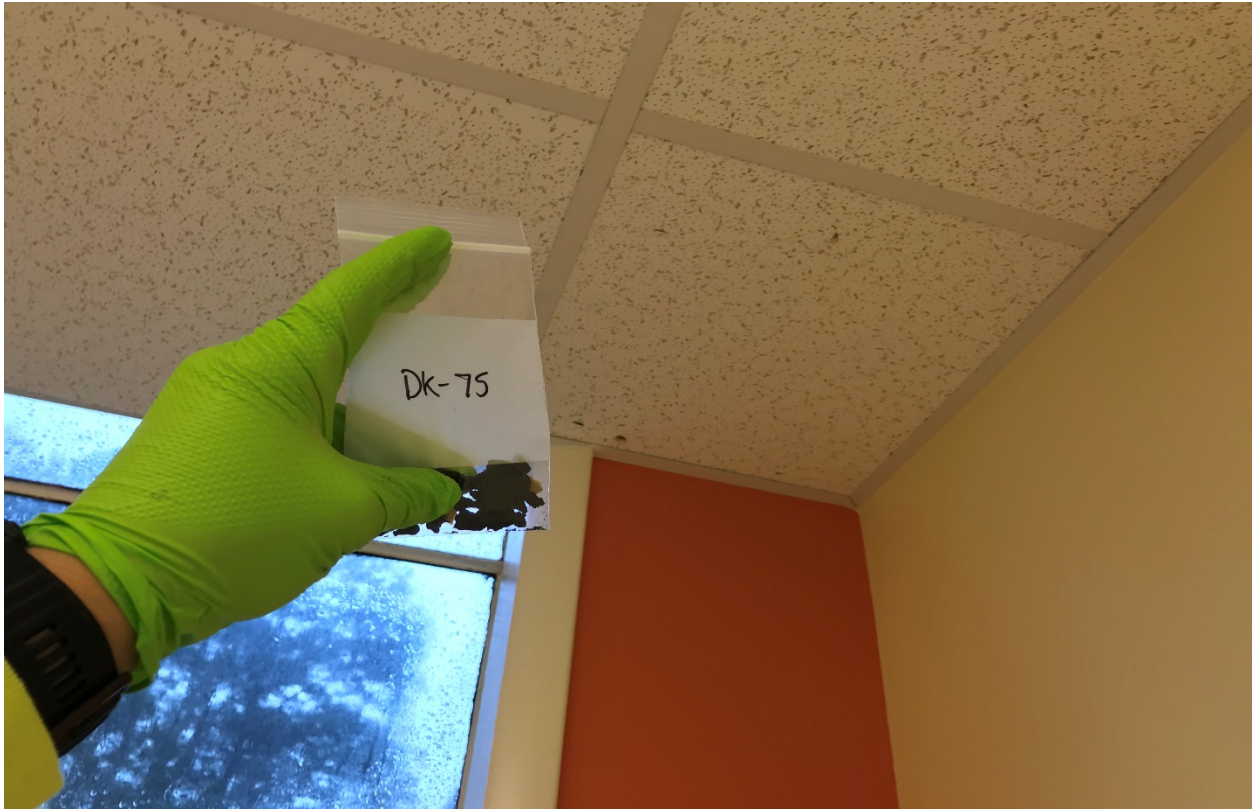


Plate 7: Laboratory analyses detected 5% chrysotile asbestos minerals within the black mastic of samples DK-70, DK-73, and DK-75 collected from behind the drywall above the drop ceiling of the large veterinarian office patient room.



Plate 8: Samples DK-70, DK-73, and DK-75 were collected from behind the drywall above the drop ceiling of the large veterinarian office patient room. The sample locations are represented by the picture above.



Plate 9: During time of site visit the roof appeared to be metal.



Plate 10: During time of site visit the underside of the roof appeared to have nail penetrations indicative of an asphalt shingle roof.

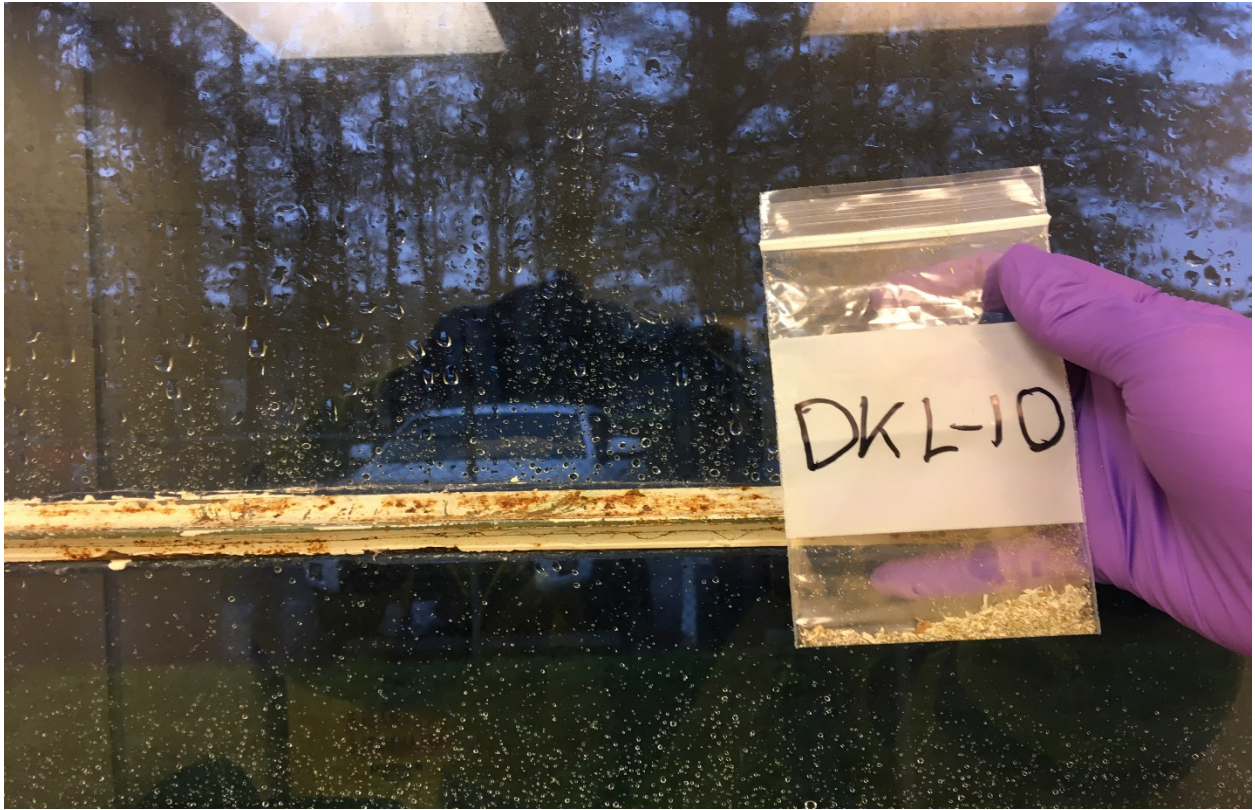


Plate 11: Laboratory analyses detected 0.605% lead by weight in sample DKL-10 collected from the interior metal window in the veterinarian office patient room.

# Appendix 2

## Asbestos and Lead-Based Paint Analysis Summary Table

**Asbestos Analysis Summary Table**  
**Military Working Dog Kennel HAAB ACM & LBP**  
**Savannah, Georgia**  
**Geo-Hydro Project Number 200183.30**

Suspect ACM	Sample Number	Area Observed	ACM (Yes/No)
Black Mastic	DK-70, DK-73, DK-75	Veterinary Office Large Patient Room	Yes
Exterior TSI Elbow, Black Foam	DK-1	Exterior	No
Exterior TSI Joint, Black Foam	DK-2	Exterior	No
Exterior Roof Seam Caulking	DK-3, DK-4	Exterior	No
Exterior TSI, Black Foam and Glue	DK-5, DK-6	Exterior	No
Exterior Plaster Coating on CMU	DK-7, DK-8, DK-9	Exterior	No
Exterior White Window Frame Moulding	DK-10, DK-11	Exterior	No
White Doorway Caulking	DK-12	Interior Non-AC Kennel	No
White Doorway Caulking	DK-13	Interior AC Kennel	No
Caulking between Flooring	DK-14, DK-15	Interior Locker Room	No
White Caulking	DK-16	Interior Kitchen Door Frame	No
White Sanitary Board and Glue	DK-17, DK-19	Interior AC Kennel	No
DWSC	DK-18, DK-20	Interior AC Kennel	No
2'x2' White Ceiling Tile with Dots	DK-21, DK-22, DK-23	Interior	No
Gray Cove Base with Glue	DK-24, DK-25	Interior AC Kennel	No
White Caulking	DK-26	Shower	No
12"x12" White and Speckled Floor Tile and Mastic	DK-27, DK-28	Interior AC Kennel	No
Sanitary Drywall Ceiling Tile	DK-29, DK-30	Interior Kitchen	No
DWSC	DK-31	Interior Kitchen	No
TSI and Seam Glue	DK-32, DK-33	Interior Kitchen Attic	No
White Sanitary Board and Glue	DK-34, DK-37	Interior AC Kennel	No
DWSC	DK-35, DK-38	Interior AC Kennel	No
12"x12" White and Speckled Floor Tile and Mastic	DK-36, DK-41, DK-42	Interior AC Kennel	No
Doorway Caulking	DK-39, DK-40	Interior AC Kennel	No
12"x12" Light Brown Floor Tile and Mastic	DK-43, DK-44, DK-45	Interior AC Kennel Kitchen	No
Grey Cove Base with Glue	DK-46, DK-47	Interior AC Kennel Kitchen	No

**Asbestos Analysis Summary Table**  
**Military Working Dog Kennel HAAB ACM & LBP**  
**Savannah, Georgia**  
**Geo-Hydro Project Number 200183.30**

Suspect ACM	Sample Number	Area Observed	ACM (Yes/No)
2'x2' White Ceiling Tile	DK-48	Interior AC Kennel	No
2'x2' White Ceiling Tile with Dots	DK-49	Interior AC Kennel	No
Grey Cove Base and Glue	DK-50, DK-51	Office Area	No
12"x12" White and Speckled Floor Tile and Mastic	DK-52, DK-53	Office Area	No
2'x2' White Ceiling Tile with Dots and Lines	DK-54, DK-55	Office Area	No
White Doorway Caulking	DK-56, DK-57	Office Area	No
12"x12" Floor Tile, Glue, and Leveling Compound	DK-58, DK-59, DK-60	Veterinary Office	No
2'x2' White Ceiling Tile with Dots	DK-61, DK-62, DK-63	Veterinary Office	No
Grey Cove Base and Glue	DK-64, DK-65, DK-66	Veterinary Office	No
Tan with Speckled Floor Tile and Leveling Compound	DK-67, DK-68	Veterinary Office	No
DWSC	DK-69	Veterinary Office	No
White Window Caulk	DK-71, DK-72	Veterinary Office	No
White Sink Caulking	DK-74	Veterinary Office	No
DWSC, Grey and White	DK-76	Veterinary Office	No
DWSC	DK-77	Veterinary Office	No
White Doorway and Wall Caulking	DK-78	Veterinary Office	No
White Caulking	DK-79, DK-80, DK-81, DK-82	Exterior HVAC	No

**Lead-Based Paint Analysis Summary Table**  
**Military Working Dog Kennel HAAB ACM & LBP**  
**Savannah, Georgia**  
**Geo-Hydro Project Number 200183.30**

Uppermost Layer Color and Substrate	Sample Number	Area Sampled	Percent Lead By Weight
Interior White Paint on Old Window	DKL-10	Window	<b>0.605</b>
Exterior Gray Paint on Metal	DKL-1	Bollards	BRL
Exterior Peach Paint on Wooden Window	DKL-2	Window	BRL
Exterior Brown Paint on Metal Door	DKL-3	Door	BRL
Exterior Manilla Paint on Metal Crate	DKL-4	Dog Crates	BRL
Exterior Peach Paint on Wall	DKL-5	Wall	0.0237
Exterior Yellow Paint on Metal Ramp	DKL-6	Handicap Ramp	BRL
Interior Silver/Gray Paint on Concrete Wall	DKL-7	Concrete Flooring	BRL
Interior White/Manilla Paint on Concrete Wall	DKL-8	Concrete Wall	BRL
Interior Yellow/Manilla Wall Paint	DKL-9	Wall	BRL
Interior Green/Blue Paint on Cinder Block	DKL-11	Wall	0.0212
<p>Note:            BRL = Below Reporting Limit            The color of each sample is indicative of the uppermost layer. Each sample was collected from the uppermost layer to the substrate and may contain subsequent layers of paint that may be of different colors.</p>			

## Appendix 3

### Asbestos and Lead-Based Paint Analytical Laboratory Report



CHAIN OF CUSTODY  
BULK ASBESTOS ANALYSIS

2003820

Client Name: Geo-Hydro Engineers, Inc. Phone: (770) 426-7100  
Address: 1000 Cobb Place Blvd Suite 290 Fax: ( )  
City, State, Zip: Kennesaw, GA, 30144 Project Name: Military Working Dog Kennel  
Contact: Sam Santoso & Ian Boulet Project Number: 200153.30  
Sampler's Name: SAM SANTOSO & IAN BOULET Sampling Date: 3/04/2020 - 3/05/2020

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments
1 DK-1	Exterior, TSI elbow, black foam	PLM	STD	
2 DK-2	Exterior, TSI Joint, black foam			
3 DK-3	Exterior, Roof seam caulking, white			
4 DK-4	Exterior, Roof seam caulking, white			
5 DK-5	Exterior, TSI, black foam and glue			
6 DK-6	Exterior, TSI, black foam and glue			
7 DK-7	Exterior, plaster coating on CMU			
8 DK-8	Exterior, Plaster coating on CMU			
9 DK-9	Exterior, Plaster coating on CMU			
10 DK-10	Exterior, white window frame moulding			
11 DK-11	Exterior, white window frame moulding			
12 DK-12	Interior non-AC kennel, white doorway caulking			
13 DK-13	Interior AC Kennel, white doorway caulking			
14 DK-14	Interior Locker room, caulking between floor			
15 DK-15	Interior Locker room, caulking between floor			
16 DK-16	Interior Door frame kitchen, white caulking			
17 DK-17	Interior AC Kennel, white Sanitary board and glue			
18 DK-18	Interior AC Kennel, DWSC			
19 DK-19	Interior AC kennel, white Sanitary board and glue			
20 DK-20	Interior AC Kennel, DWSC	↓	↓	

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CHAIN OF CUSTODY  
BULK ASBESTOS ANALYSIS

2003820

Client Name: Geo-Hydro Engineers, Inc. Phone: (770) 426-7100  
Address: 1000 Cobb Place Blvd Suite 290 Fax: ( )  
City, State, Zip: Kennesaw, GA, 30144 Project Name: Military Working Dog Kennel  
Contact: Sam Santoso & Ian Balet Project Number: 200183.30  
Sampler's Name: Sam Santoso & Ian Balet Sampling Date: 3/04/2020 - 3/05/2020

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments
1 DK-21	2' x 2' white CT w/ Dots	PLM	STD	
2 DK-22	2' x 2' white CT w/ Dots			
3 DK-23	2' x 2' white CT w/ Dots			
4 DK-24	Gray Covebase w/ glue			
5 DK-25	Gray Cove base w/ glue			
6 DK-26	White caulking - shower			
7 DK-27	White & speckled 12" x 12" FT & Mastic			
8 DK-28	White & speckled 12" x 12" FT & Mastic			
9 DK-29	Interior Kitchen, Sanitary Drywall ceiling tile			
10 DK-30	Interior kitchen, Sanitary Drywall ceiling tile			
11 DK-31	Interior Kitchen, DWSC			
12 DK-32	Interior kitchen Attic, TSI and Seam glue			
13 DK-33	Interior kitchen Attic, TSI and Seam glue			
14 DK-34	Interior AC Kennel, White Sanitary board and glue			
15 DK-35	Interior AC kennel, DWSC			
16 DK-36	White & speckled 12" x 12" FT & Mastic			
17 DK-37	Interior AC Kennel, White Sanitary board and glue			
18 DK-38	Interior AC Kennel, DWSC			
19 DK-39	Interior AC Kennel, Doorway caulking			
20 DK-40	Interior AC Kennel, Doorway caulking	↓	↓	

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2003820

CHAIN OF CUSTODY  
BULK ASBESTOS ANALYSIS

Client Name: Geo Hydro Engineers, Inc. Phone: (770) 426-7100  
Address: 1000 Cobb Place Blvd Suite 290 Fax: ( )  
City, State, Zip: Kennesaw, GA, 30144 Project Name: Military Working Dog Kennel  
Contact: Sam Santoso & Jon Balet Project Number: 200183.30  
Sampler's Name: Sam Santoso & Jon Balet Sampling Date: 3/04/2020 - 3/05/2020

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments
1 DK-41	White & speckled 12"x12" FT & Mastic	PLM	STD	
2 DK-42	White & speckled 12" x 12" FT & Mastic			
3 DK-43	Light brown 12" x 12" FT & Mastic			
4 DK-44	Light brown 12" x 12" FT & Mastic			
5 DK-45	Light brown 12" x 12" FT & Mastic			
6 DK-46	Gray Covebase w/ glue			
7 DK-47	Gray Covebase w/ glue			
8 DK-48	Interior AC Kennel, 2' x 2' white ceiling tile w/ dots and lines			
9 DK-49	2' x 2' white CT w/ Dots			
10 DK-50	Grey cove base and glue, office Area			
11 DK-51	Grey cove base and glue, office Area			
12 DK-52	White & speckled 12" x 12" FT & Mastic			
13 DK-53	White & speckled 12" x 12" FT & Mastic			
14 DK-54	office Area, 2' x 2' white CT, dots and lines			
15 DK-55	Office Area, 2' x 2' white CT, dots and lines			
16 DK-56	Office Area, Doorway caulking, white			
17 DK-57	office Area, Doorway caulking			
18 DK-58	Veterinary office, 12" x 12" FT, glue, leveling compound			
19 DK-59	Veterinary office waiting room, 12" x 12" FT, glue, leveling			
20 DK-60	Veterinary office waiting room, 12" x 12" FT, glue, leveling	↓	↓	

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Lab Recipient: [Signature] Date/Time: 3/6/2020 1505 Method of Shipment: CR



CHAIN OF CUSTODY  
 BULK ASBESTOS ANALYSIS

Client Name: Geo-Hydro Engineers, Inc.  
 Address: 1000 Cobb Place Blvd Suite 290  
 City, State, Zip: Kennesaw, GA, 30144  
 Contact: SAM SANTOSO & IAN BOULET  
 Sampler's Name: SAM SANTOSO & IAN BOULET

Phone: (770) 426-7100  
 Fax: ( )  
 Project Name: Military Working Dog Kennel  
 Project Number: 200183.30  
 Sampling Date: 3/04/2020 - 3/05/2020

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments
1 DK-61	2'x2' white CT w/dots, waiting room	PLM	STD	
2 DK-62	2'x2' white CT w/dots, examination room			
3 DK-63	2'x2' white CT w/dots, restroom			
4 DK-64	Veterinary office Hallway, Grey cove base and glue			
5 DK-65	Veterinary office patient room, Grey cove base and glue			
6 DK-66	Veterinary office Hallway, Grey cove base and glue			
7 DK-67	Veterinary office, Tan w/speckled FT, leveling			
8 DK-68	Veterinary office, Tan w/speckled FT, leveling			
9 DK-69	Veterinary office large patient room, DWSC			
10 DK-70	Veterinary office large patient room, Black mastic, glue,			
11 DK-71	Veterinary office patient room, white window caulk			
12 DK-72	Veterinary office patient room, white window caulk			
13 DK-73	Veterinary office large patient room, Black mastic, and glue			
14 DK-74	Veterinary office rest room, white sink caulking			
15 DK-75	Veterinary office large patient room, Black mastic, and glue			
16 DK-76	Veterinary office patient room, DWSC, grey, and white			
17 DK-77	Veterinary office, DWSC			
18 DK-78	Veterinary office Hallway, white doorway and wall caulking			
19 DK-79	Exterior HVAC, white caulking			
20 DK-80	Exterior HVAC, white caulking	↓	↓	

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Analytical Environmental Services, Inc.  
 3080 Presidential Drive Atlanta, GA 30340-3704  
 Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

Work Order: 2003820

Page 5 of 5

**CHAIN OF CUSTODY  
 BULK ASBESTOS ANALYSIS**

Client Name: Geo-Hydro Engineers, Inc.  
 Address: 1000 Cobb Place Blvd. Ste. 290  
 City, State, Zip: Kennesaw, GA, 30144  
 Contact: Sam Santosa & Ian Boulet  
 Sampler's Name: Sam Santosa & Ian Boulet  
 Report To: \_\_\_\_\_  
 Report To Email(s): \_\_\_\_\_

Project Name: Military working dog kennel  
 Project Number: 200183.30  
 Sampling Date: 3/04/2020 - 3/05/2020  
 Phone #: (770) 426-7100  
 Invoice To: \_\_\_\_\_  
 Invoice To Email(s): \_\_\_\_\_  
 PO #: \_\_\_\_\_

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time (TAT)	Comments
1	DK-81	PLM	STD	
2	DK-82	PLM	STD	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Relinquished by: [Signature]  
 Received by: [Signature]  
 Relinquished by: [Signature]  
 Received by: \_\_\_\_\_

Date/Time: 3/6/2020 8:48 am  
 Date/Time: 3-6-20 9:10 AM  
 Date/Time: 3-6-20 3:05 PM  
 Date/Time: \_\_\_\_\_

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT.

Lab Recipient: [Signature] Date/Time: 3/6/2020 1505 Method of Shipment: CR



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Atlanta, GA 30340  
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Fax: (770) 457-8188

**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

**Bulk Sample Summary Report**



Report Date: 12-Mar-20

Client Name:	<b>Geo-Hydro Engineers, Inc.</b>	AES Job Number:	<b>2003820</b>
Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-1 Layer: 1	2003820-001A	EXTERIOR, TSI ELBOW, BLACK FOAM	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-2 Layer: 1	2003820-002A	EXTERIOR, TSI JOINT, BLACK FOAM	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-3 Layer: 1	2003820-003A	EXTERIOR, ROOF SEAM CAULKING, WHITE	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-4 Layer: 1	2003820-004A	EXTERIOR, ROOF SEAM CAULKING, WHITE	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-5 Layer: 1	2003820-005A	EXTERIOR, TSI, BLACK FOAM AND GLUE	ND	ND	ND	ND	ND	ND	
DK-5 Layer: 2	2003820-005A	EXTERIOR, TSI, BLACK FOAM AND GLUE	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
For comments on the samples, see the individual analysis sheets.  
ND = None Detected

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Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina



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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-6 Layer: 1	2003820-006A	EXTERIOR, TSI, BLACK FOAM AND GLUE	ND	ND	ND	ND	ND	ND	
DK-6 Layer: 2	2003820-006A	EXTERIOR, TSI, BLACK FOAM AND GLUE	ND	ND	ND	ND	ND	ND	
DK-7 Layer: 1	2003820-007A	EXTERIOR, PLASTER COATING ON CMU	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-8 Layer: 1	2003820-008A	EXTERIOR, PLASTER COATING ON CMU	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-9 Layer: 1	2003820-009A	EXTERIOR, PLASTER COATING ON CMU	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-10 Layer: 1	2003820-010A	EXTERIOR, WHITE WINDOW FRAME MOULDING	ND	ND	ND	ND	ND	ND	Paint included as binder

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ND = None Detected

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-11 Layer: 1	2003820-011A	EXTERIOR, WHITE WINDOW FRAME MOULDING	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-12 Layer: 1	2003820-012A	INTERIOR NON-AC KENNEL, WHITE DOORWAY CAU	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-13 Layer: 1	2003820-013A	INTERIOR AC KENNEL, WHITE DOORWAY CAULKING	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-14 Layer: 1	2003820-014A	INTERIOR LOCKER ROOM, CAULKING BETWEEN FLOOR	ND	ND	ND	ND	ND	ND	
DK-15 Layer: 1	2003820-015A	INTERIOR LOCKER ROOM, CAULKING BETWEEN FLOOR	ND	ND	ND	ND	ND	ND	
DK-16 Layer: 1	2003820-016A	INTERIOR DOOR FRAME KITCHEN, WHITE CAULKING	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-17 Layer: 1	2003820-017A	INTERIOR AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-17 Layer: 2	2003820-017A	INTERIOR AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-18 Layer: 1	2003820-018A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Drywall tape
DK-18 Layer: 2	2003820-018A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Wallboard
DK-19 Layer: 1	2003820-019A	INTERIOR AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-19 Layer: 2	2003820-019A	INTERIOR AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-20 Layer: 1	2003820-020A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Glue
DK-20 Layer: 2	2003820-020A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Drywall tape
DK-20 Layer: 3	2003820-020A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Wallboard
DK-21 Layer: 1	2003820-021A	2'X2' WHITE CT W/DOTS	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-22 Layer: 1	2003820-022A	2'X2' WHITE CT W/DOTS	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-23 Layer: 1	2003820-023A	2'X2' WHITE CT W/DOTS	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite

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ND = None Detected

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-24 Layer: 1	2003820-024A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-24 Layer: 2	2003820-024A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-25 Layer: 1	2003820-025A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-25 Layer: 2	2003820-025A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-26 Layer: 1	2003820-026A	WHITE CAULKING -SHOWER	ND	ND	ND	ND	ND	ND	
DK-27 Layer: 1	2003820-027A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile

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ND = None Detected

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-27 Layer: 2	2003820-027A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-28 Layer: 1	2003820-028A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-28 Layer: 2	2003820-028A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-29 Layer: 1	2003820-029A	INTERIOR KITCHEN, SANITARY DW CEILINNG TILE	ND	ND	ND	ND	ND	ND	
DK-29 Layer: 2	2003820-029A	INTERIOR KITCHEN, SANITARY DW CEILINNG TILE	ND	ND	ND	ND	ND	ND	
DK-30 Layer: 1	2003820-030A	INTERIOR KITCHEN, SANITARY DW CEILINNG TILE	ND	ND	ND	ND	ND	ND	

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-30 Layer: 2	2003820-030A	INTERIOR KITCHEN, SANITARY DW CEILINNG TILE	ND	ND	ND	ND	ND	ND	
DK-31 Layer: 1	2003820-031A	INTERIOR KITCHEN, DWJC	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-31 Layer: 2	2003820-031A	INTERIOR KITCHEN, DWJC	ND	ND	ND	ND	ND	ND	
DK-31 Layer: 3	2003820-031A	INTERIOR KITCHEN, DWJC	ND	ND	ND	ND	ND	ND	
DK-32 Layer: 1	2003820-032A	INTERIOR KITCHEN ATTIC, TSI AND SEAM GLUE	ND	ND	ND	ND	ND	ND	
DK-32 Layer: 2	2003820-032A	INTERIOR KITCHEN ATTIC, TSI AND SEAM GLUE	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-33 Layer: 1	2003820-033A	INT KITCHEN ATTIC, TSI AND SEAM GLUE	ND	ND	ND	ND	ND	ND	
DK-33 Layer: 2	2003820-033A	INT KITCHEN ATTIC, TSI AND SEAM GLUE	ND	ND	ND	ND	ND	ND	
DK-34 Layer: 1	2003820-034A	INT AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-34 Layer: 2	2003820-034A	INT AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-35 Layer: 1	2003820-035A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-35 Layer: 2	2003820-035A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-35 Layer: 3	2003820-035A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	
DK-36 Layer: 1	2003820-036A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-36 Layer: 2	2003820-036A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-37 Layer: 1	2003820-037A	INT AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-37 Layer: 2	2003820-037A	INT AC KENNEL, WHITE SANITARY BOARD AND GLUE	ND	ND	ND	ND	ND	ND	
DK-38 Layer: 1	2003820-038A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	Paint included as binder

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-38 Layer: 2	2003820-038A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	
DK-38 Layer: 3	2003820-038A	INTERIOR AC KENNEL, DWJC	ND	ND	ND	ND	ND	ND	
DK-39 Layer: 1	2003820-039A	INTERIOR AC KENNEL, DOORWAY CAULKING	ND	ND	ND	ND	ND	ND	
DK-40 Layer: 1	2003820-040A	INTERIOR AC KENNEL, DOORWAY CAULKING	ND	ND	ND	ND	ND	ND	
DK-41 Layer: 1	2003820-041A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-41 Layer: 2	2003820-041A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
For comments on the samples, see the individual analysis sheets.  
ND = None Detected

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**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

**Bulk Sample Summary Report**



Report Date: 12-Mar-20

Client Name:	<b>Geo-Hydro Engineers, Inc.</b>	AES Job Number:	<b>2003820</b>
Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-42 Layer: 1	2003820-042A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-42 Layer: 2	2003820-042A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-43 Layer: 1	2003820-043A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-43 Layer: 2	2003820-043A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-44 Layer: 1	2003820-044A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-44 Layer: 2	2003820-044A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-45 Layer: 1	2003820-045A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-45 Layer: 2	2003820-045A	LIGHT BROWN 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-46 Layer: 1	2003820-046A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-46 Layer: 2	2003820-046A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-46 Layer: 3	2003820-046A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-47 Layer: 1	2003820-047A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-47 Layer: 2	2003820-047A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-47 Layer: 3	2003820-047A	GRAY COVEBASE W/GLUE	ND	ND	ND	ND	ND	ND	
DK-48 Layer: 1	2003820-048A	INTERIOR AC KENNEL, 2'X2' WHITE CEILING TILE	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-49 Layer: 1	2003820-049A	2'X2' WHITE CT W/DOTS	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-50 Layer: 1	2003820-050A	GREY COVEBASE AND GLUE, OFFICE AREA	ND	ND	ND	ND	ND	ND	
DK-50 Layer: 2	2003820-050A	GREY COVEBASE AND GLUE, OFFICE AREA	ND	ND	ND	ND	ND	ND	

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ND = None Detected

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-51 Layer: 1	2003820-051A	GREY COVEBASE AND GLUE, OFFICE AREA	ND	ND	ND	ND	ND	ND	
DK-51 Layer: 2	2003820-051A	GREY COVEBASE AND GLUE, OFFICE AREA	ND	ND	ND	ND	ND	ND	
DK-52 Layer: 1	2003820-052A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-52 Layer: 2	2003820-052A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue
DK-53 Layer: 1	2003820-053A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Floor tile
DK-53 Layer: 2	2003820-053A	WHITE & SPECKLED 12"X12" FT & MASTIC	ND	ND	ND	ND	ND	ND	Glue

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-54 Layer: 1	2003820-054A	OFFICE AREA, 2'X2' WHITE CT, DOTS AND LINES	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-55 Layer: 1	2003820-055A	OFFICE AREA, 2'X2' WHITE CT, DOTS AND LINES	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-56 Layer: 1	2003820-056A	OFFICE AREA, DOORWAY CAULKING, WHITE	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-57 Layer: 1	2003820-057A	OFFICE AREA, DOORWAY CAULKING	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-58 Layer: 1	2003820-058A	VET OFFICE 12"X12" FT, GLUE, LEVELING COMP	ND	ND	ND	ND	ND	ND	Floor tile
DK-58 Layer: 2	2003820-058A	VET OFFICE 12"X12" FT, GLUE, LEVELING COMP	ND	ND	ND	ND	ND	ND	Glue

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-58 Layer: 3	2003820-058A	VET OFFICE 12"X12" FT, GLUE, LEVELING COMP	ND	ND	ND	ND	ND	ND	Leveling compound
DK-58 Layer: 4	2003820-058A	VET OFFICE 12"X12" FT, GLUE, LEVELING COMP	ND	ND	ND	ND	ND	ND	Glue
DK-59 Layer: 1	2003820-059A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Floor tile
DK-59 Layer: 2	2003820-059A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Glue
DK-59 Layer: 3	2003820-059A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Leveling compound
DK-59 Layer: 4	2003820-059A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Glue

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-60 Layer: 1	2003820-060A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Floor tile
DK-60 Layer: 2	2003820-060A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Glue
DK-60 Layer: 3	2003820-060A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Leveling compound
DK-60 Layer: 4	2003820-060A	VET OFFICE WAITING RM, 12"X12" FT, GLUE, LEVELING	ND	ND	ND	ND	ND	ND	Glue
DK-61 Layer: 1	2003820-061A	2'X2' WHITE CT W/DOTS, WAITING ROOM	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-62 Layer: 1	2003820-062A	2'X2' WHITE CT W/DOTS, EXAMINATION ROOM	ND	ND	ND	ND	ND	ND	Paint included as binder

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-63 Layer: 1	2003820-063A	2'X2' WHITE CT W/DOTS, RESTROOM	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-64 Layer: 1	2003820-064A	VET OFFICE HALLWAY, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	
DK-64 Layer: 2	2003820-064A	VET OFFICE HALLWAY, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	
DK-65 Layer: 1	2003820-065A	VET OFFICE PATIENT ROOM, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	
DK-65 Layer: 2	2003820-065A	VET OFFICE PATIENT ROOM, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	
DK-66 Layer: 1	2003820-066A	VET OFFICE HALLWAY, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-66 Layer: 2	2003820-066A	VET OFFICE HALLWAY, GREY COVEBASE AND GLUE	ND	ND	ND	ND	ND	ND	
DK-67 Layer: 1	2003820-067A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Floor tile
DK-67 Layer: 2	2003820-067A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Glue
DK-67 Layer: 3	2003820-067A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Leveling compound
DK-68 Layer: 1	2003820-068A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Floor tile
DK-68 Layer: 2	2003820-068A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Glue

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Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-68 Layer: 3	2003820-068A	VET OFFICE, TAN W/SPECKLED FT, LEVELING	ND	ND	ND	ND	ND	ND	Leveling compound
DK-69 Layer: 1	2003820-069A	VET OFFICE LARGE PATIENT ROOM, DWJC	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-69 Layer: 2	2003820-069A	VET OFFICE LARGE PATIENT ROOM, DWJC	ND	ND	ND	ND	ND	ND	
DK-69 Layer: 3	2003820-069A	VET OFFICE LARGE PATIENT ROOM, DWJC	ND	ND	ND	ND	ND	ND	
DK-70 Layer: 1	2003820-070A	VET OFFICE LARGE PATIENT ROOM, BM, GLUE	5	ND	ND	ND	ND	ND	Black mastic
DK-70 Layer: 2	2003820-070A	VET OFFICE LARGE PATIENT ROOM, BM, GLUE	ND	ND	ND	ND	ND	ND	Glue

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ND = None Detected

AES, Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.  
These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume. PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.  
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Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina



3080 Presidential Drive  
Atlanta, GA 30340  
Tel : (770) 457-8177  
Fax: (770) 457-8188

**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

**Bulk Sample Summary Report**



Report Date: 12-Mar-20

Client Name:	<b>Geo-Hydro Engineers, Inc.</b>	AES Job Number:	<b>2003820</b>
Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-71 Layer: 1	2003820-071A	VET OFFICE PATIENT ROOM, WHITE WINDOW CAULK	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-72 Layer: 1	2003820-072A	VET OFFICE PATIENT ROOM, WHITE WINDOW CAULK	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-73 Layer: 1	2003820-073A	VET OFFICE LARGE PATIENT ROOM, BM AND GLUE	5	ND	ND	ND	ND	ND	Black mastic
DK-73 Layer: 2	2003820-073A	VET OFFICE LARGE PATIENT ROOM, BM AND GLUE	ND	ND	ND	ND	ND	ND	Glue
DK-74 Layer: 1	2003820-074A	VET OFFICE REST ROOM, WHITE SINK CAULKING	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-75 Layer: 1	2003820-075A	VET OFFICE LARGE PATIENT ROOM, BM AND GLUE	5	ND	ND	ND	ND	ND	Black mastic

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
For comments on the samples, see the individual analysis sheets.  
ND = None Detected

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**Bulk Sample Summary Report**



Report Date: 12-Mar-20

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Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-75 Layer: 2	2003820-075A	VET OFFICE LARGE PATIENT ROOM, BM AND GLUE	ND	ND	ND	ND	ND	ND	Glue
DK-76 Layer: 1	2003820-076A	VET OFFICE PATIENT ROOM, DWJC, GREY, AND WHITE	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-76 Layer: 2	2003820-076A	VET OFFICE PATIENT ROOM, DWJC, GREY, AND WHITE	ND	ND	ND	ND	ND	ND	
DK-76 Layer: 3	2003820-076A	VET OFFICE PATIENT ROOM, DWJC, GREY, AND WHITE	ND	ND	ND	ND	ND	ND	
DK-77 Layer: 1	2003820-077A	VET OFFICE, DWJC	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-77 Layer: 2	2003820-077A	VET OFFICE, DWJC	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
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ND = None Detected

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**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

**Bulk Sample Summary Report**



Report Date: 12-Mar-20

Client Name:	<b>Geo-Hydro Engineers, Inc.</b>	AES Job Number:	<b>2003820</b>
Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-77 Layer: 3	2003820-077A	VET OFFICE, DWJC	ND	ND	ND	ND	ND	ND	
DK-78 Layer: 1	2003820-078A	VET OFFICE HALLWAY, WHITE DOORWAY & WALL CA	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-78 Layer: 2	2003820-078A	VET OFFICE HALLWAY, WHITE DOORWAY & WALL CA	ND	ND	ND	ND	ND	ND	Paint included as binder
DK-79 Layer: 1	2003820-079A	EXTERIOR HVAC, WHITE CAULKING	ND	ND	ND	ND	ND	ND	
DK-80 Layer: 1	2003820-080A	EXTERIOR HVAC, WHITE CAULKING	ND	ND	ND	ND	ND	ND	
DK-81 Layer: 1	2003820-081A	EXTERIOR HVAC, WHITE CAULKING	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
For comments on the samples, see the individual analysis sheets.  
ND = None Detected

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Microanalyst:

Elena Ivanova

QC Analyst:

Yelena Khanina



Report Date: 12-Mar-20

**Bulk Sample Summary Report**

Client Name:	<b>Geo-Hydro Engineers, Inc.</b>	AES Job Number:	<b>2003820</b>
Project Name:	<b>MILITARY WORKING DOG KENNEL</b>	Project Number:	<b>200183.30</b>

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
DK-82  Layer: 1	2003820-082A	EXTERIOR HVAC, WHITE CAULKING	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite  
 For comments on the samples, see the individual analysis sheets.  
 ND = None Detected

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Microanalyst:   
 Elena Ivanova

QC Analyst:   
 Yelena Khanina

End of Report



**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

March 12, 2020

Sam Santoso  
Geo-Hydro Engineers, Inc.

1000 Cobb Place Blvd.  
Kennesaw GA 30144

RE: Military Working Dog Kennel

Dear Sam Santoso:

Order No: 2003867

Analytical Environmental Services, Inc. received 11 samples on 3/6/2020 3:05:00 PM  
for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated  
Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the  
analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical  
Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective  
07/01/19-06/30/20.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective  
through 06/30/20 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos),  
Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct  
Examination, effective until 11/01/21.

These results relate only to the items tested as received. This report may only be reproduced in full.

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

Sincerely,

Jessica Shilling  
Project Manager



2003867

CHAIN OF CUSTODY  
 BULK ASBESTOS ANALYSIS

Client Name: Geo-Hydro Engineers, Inc. Phone: ( )  
 Address: 1000 Cobb Place Blvd Suite 290 Fax: ( )  
 City, State, Zip: Kennesaw, GA, 30144 Project Name: Military Working Dog Kennel  
 Contact: Sam Santoso & Ian Boulet Project Number: 200183.30  
 Sampler's Name: Sam Santoso & Ian Boulet Sampling Date: 3/04/2020 - 3/05/2020

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments
1 DKL-1	Gray Paint on bollard Ext	LBP	STD	
2 DKL-2	Peach Paint on window Ext			
3 DKL-3	Brown Paint on metal door Ext			
4 DKL-4	Manilla Paint on Ext Dog crates			
5 DKL-5	Peach Paint on Ext Wall			
6 DKL-6	Yellow Paint on Ramp Ext			
7 DKL-7	Silver/Gray Paint on concrete Int			
8 DKL-8	White/Manilla Paint on concrete wall Int			
9 DKL-9	Yellow/Manilla wall paint Int			
10 DKL-10	Int White Paint on Old Window			
11 DKL-11	Blue + Green Paint on Cinder block			
12				
13				
14				
15				
16				
17				
18				
19				
20				

Relinquished by: [Signature]  
 Received by: [Signature]  
 Relinquished by: [Signature]  
 Received by: [Signature]

Date/Time: 3/06/2020 0847  
 Date/Time: 3-6-20 9:03  
 Date/Time: 3-6-20 3:05  
 Date/Time: \_\_\_\_\_

Lab Recipient: [Signature] Date/Time: 3/6/2020 1505 Method of Shipment: CR2

<b>Lab Order:</b> 2003867	<b>Total Lead in Paint SW3050B/NIOSH 7082</b>
<b>Client:</b> Geo-Hydro Engineers, Inc.	
<b>Project:</b> Military Working Dog Kennel	
<b>Matrix:</b> Paint	
<b>Date Received:</b> 3/6/2020 3:05:00 PM	

Laboratory ID	Client Sample ID	Result	Units	Reporting Limit	DF	Qual	Date Collected	Date Analyzed	Analyst
2003867-001A	DKL-1	BRL	wt%	0.00962	1		03/04/2020	03/11/2020	AS
2003867-002A	DKL-2	BRL	wt%	0.00987	1		03/04/2020	03/11/2020	AS
2003867-003A	DKL-3	BRL	wt%	0.00938	1		03/04/2020	03/11/2020	AS
2003867-004A	DKL-4	BRL	wt%	0.00940	1		03/04/2020	03/11/2020	AS
2003867-005A	DKL-5	0.0237	wt%	0.00983	1		03/04/2020	03/11/2020	AS
2003867-006A	DKL-6	BRL	wt%	0.00996	1		03/04/2020	03/11/2020	AS
2003867-007A	DKL-7	BRL	wt%	0.00966	1		03/04/2020	03/11/2020	AS
2003867-008A	DKL-8	BRL	wt%	0.00994	1		03/04/2020	03/11/2020	AS
2003867-009A	DKL-9	BRL	wt%	0.00962	1		03/04/2020	03/11/2020	AS
2003867-010A	DKL-10	0.605	wt%	0.0240	2.52		03/04/2020	03/11/2020	AS
2003867-011A	DKL-11	0.0212	wt%	0.00987	1		03/04/2020	03/11/2020	AS

Qualifiers: BRL - Not Detected at the Reporting Limit  
 B - Analyte detected in the associated Method Blank

DF - Dilution Factor

### SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: \_\_\_\_\_

AES Work Order Number: \_\_\_\_\_

2. Carrier: FedEx  UPS  USPS  Client  Courier  Other \_\_\_\_\_

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature \_\_\_\_\_ °C    Cooler 2 Temperature \_\_\_\_\_ °C    Cooler 3 Temperature \_\_\_\_\_ °C    Cooler 4 Temperature \_\_\_\_\_ °C  
 Cooler 5 Temperature \_\_\_\_\_ °C    Cooler 6 Temperature \_\_\_\_\_ °C    Cooler 7 Temperature \_\_\_\_\_ °C    Cooler 8 Temperature \_\_\_\_\_ °C

15. Comments: \_\_\_\_\_

I certify that I have completed sections 1-15 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: \_\_\_\_\_

I certify that I have completed sections 16-27 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?					
30. Was pH adjusted at Sample Receipt?					

I certify that I have completed sections 28-30 (dated initials). \_\_\_\_\_

**Client:** Geo-Hydro Engineers, Inc.  
**Project Name:** Military Working Dog Kennel  
**Workorder:** 2003867

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 293717**

Sample ID: <b>MB-293717</b>	Client ID:	Units: <b>wt%</b>	Prep Date: <b>03/10/2020</b>	Run No: <b>420399</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Total Lead in Paint SW3050B/NIOSH 7082</b>	BatchID: <b>293717</b>	Analysis Date: <b>03/11/2020</b>	Seq No: <b>9500144</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 0.0100

Sample ID: <b>LCS-293717</b>	Client ID:	Units: <b>wt%</b>	Prep Date: <b>03/10/2020</b>	Run No: <b>420399</b>							
SampleType: <b>LCS</b>	TestCode: <b>Total Lead in Paint SW3050B/NIOSH 7082</b>	BatchID: <b>293717</b>	Analysis Date: <b>03/11/2020</b>	Seq No: <b>9500145</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 0.6180 0.0247 0.6010 103 80 120

Sample ID: <b>2003867-005AMS</b>	Client ID: <b>DKL-5</b>	Units: <b>wt%</b>	Prep Date: <b>03/10/2020</b>	Run No: <b>420399</b>							
SampleType: <b>MS</b>	TestCode: <b>Total Lead in Paint SW3050B/NIOSH 7082</b>	BatchID: <b>293717</b>	Analysis Date: <b>03/11/2020</b>	Seq No: <b>9500147</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 0.07223 0.00973 0.0486 0.02366 99.9 75 125

Sample ID: <b>2003867-005AMSD</b>	Client ID: <b>DKL-5</b>	Units: <b>wt%</b>	Prep Date: <b>03/10/2020</b>	Run No: <b>420399</b>							
SampleType: <b>MSD</b>	TestCode: <b>Total Lead in Paint SW3050B/NIOSH 7082</b>	BatchID: <b>293717</b>	Analysis Date: <b>03/11/2020</b>	Seq No: <b>9500148</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 0.07289 0.00984 0.0492 0.02366 100 75 125 0.07223 0.911 25

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

End of Report

## Appendix 4

Resumes and Asbestos  
Inspector Certification

# Ian Boulet

Staff Environmental Scientist

2 Years' Experience – 2 Years with Geo-Hydro

<b>Experience</b>	Experienced in performing Phase I and II environmental assessments and stream and wetland delineations of developed and undeveloped properties. Certified in conducting asbestos inspections for residential and commercial properties. Qualified in special inspections, shallow foundation evaluations, fill placement monitoring and testing, concrete testing, and other various construction materials testing functions. Present duties primarily consist of conducting site assessments and preparing technical documents included in Phase I and II environmental reports.	
<b>Specialties</b>	Phase I & II Environmental Site Assessments, Soil Classification, Asbestos building inspection, Construction Materials Testing (Concrete and Soils), Construction Inspection, and Special Inspections.	
<b>Certifications</b>	Asbestos In-Buildings Inspector Certification HAZMAT Certification by US DOT & IATA ICC Reinforced Concrete Special Inspector ICC Structural Masonry Special Inspector ICC Soils Special Inspector	ACI Concrete Field-Testing Technician–Grade I OSHA 10 Construction Safety Nuclear Gauge Radiation Safety Training GSWCC - NPDES Level 1A
<b>Education</b>	B.S. in Environmental Science University of Georgia, May, 2016	
<b>Representative Relevant Past Projects</b>	<b>Classic Center Additions Athens, Georgia (2019)</b> Provided environmental services including Phase I and Phase II environmental site assessment and multimedia sampling within the soil and water interfaces for four tracts of land intended for future expansion of the existing 104,000 sq. ft. convention center.  <b>TCSG-327 Lanier Technical College-New Hall County Campus Gainesville, Georgia</b> Provided special inspections for construction of the new campus for the Lanier Technical College including; seven separate buildings with associated site development structures. The building structures include structural steel framing and/or structural masonry framing supported by shallow foundations on soil subgrades and/or shallow foundations supported by aggregate piers. Our scope of services included special inspections and testing for soils, foundations, reinforcing steel, concrete placement, structural steel, fireproofing, air-barrier systems, window leak testing, roofing, and masonry. Additionally, testing and observations for construction of asphalt roadways and parking lots and NPDES compliance services were provided.	
<b>Other Typical Project Experience</b>	<b>Higher Education/Institutional</b> UGA Soccer Grandstand Renovation Athens, Georgia  <b>K-12 Education</b> Richards Middle School Lawrenceville, Georgia Coile Middle School Renovation Athens, Georgia Duke STEM High School Norcross, Georgia	<b>Industrial</b> SKAAPS Industrial Warehouse Athens, Georgia Georgia Renewable Power-Franklin Carnesville, Georgia Georgia Renewable Power-Madison Colbert, Georgia  <b>Paving</b> Richland Connector FDR Greensboro, Georgia Cuscowilla FDR Eatonton, Georgia

# Sam Santoso

Staff Geologist

2 Years' Experience - 2 Years With Geo-Hydro

## Experience

Mr. Santoso has performed Phase I and II environmental assessments of developed and undeveloped properties. His experience includes conducting site assessments and preparing technical documents which have included Phase I and II environmental reports. Mr. Santoso is experienced in soil classification and multimedia sampling within the soil, gas, and water interfaces. Mr. Santoso also assists with wetland and stream delineations. Additional skills include asbestos inspections for residential, and commercial properties, oversight of hazardous waste removal, and vapor intrusion mitigation system installation inspections.

## Specialties

Phase I & II Environmental Site Assessments, Soil and Rock classification, Hazardous Building Materials Inspection

## Certifications Training

- OSHA 40-Hr HAZWOPER
- Asbestos In-Buildings Inspector Certification
- Water Resources Certificate – University of Georgia, 2015
- Small Unmanned Aircraft System Certification (FAA Part 107)
- HAZMAT Certification by US DOT & IATA
- Basic Wetland Delineation Course

## Education

M.S. in Hydrogeology – Clemson University, August, 2017  
B.S. in Geology with CURO Distinction – University of Georgia, May, 2015

## Representative Relevant Past Projects

### **CVS/Pharmacy, Inc.**

*Alabama, Georgia, North Carolina, South Carolina – 2017 to Present*

Provided environmental services including Phase I and Phase II environmental site assessment, UST closures, asbestos and lead-based paint surveys as a part of the CVS/Pharmacy, Inc. real-estate acquisition process for multiple sites across the Southeast. Identification of potential environmental issues and rapid turn-a-round times for Phase I and Phase II environmental assessment and testing helped maintain aggressive construction schedules.

## Other Typical Project Experience

### **Government**

Phase I/II ESAs  
Greater Atlanta Area, Georgia

### **Large Residential**

Phase I/II ESA's  
CalAtlantic Homes  
Vapor Intrusion Mitigation System Install

### **Commercial**

Phase I/II ESAs  
Greater Atlanta Area, Georgia  
CVS, Southeast

### **Industrial**

Phase I/II ESAs  
Greater Atlanta Area, Georgia  
CVS, Southeast

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# ***The Environmental Institute***

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## *Ian Boulet*

Social Security Number - XXX-XX-2449

Geo-Hydro Engineers - 1000 Cobbs Place Blvd. NW, Suite 290 - Kennesaw, Georgia 30144

*Has completed 24 hours of coursework and satisfactorily  
passed an examination that meets all criteria required for  
EPA/AHERA/ASHARA (TSCA Title II) Approved Accreditation*

### *Asbestos in Buildings: Inspection and Assessment*

October 7-9, 2019

Course Date

5265


Certificate Number

October 9, 2019

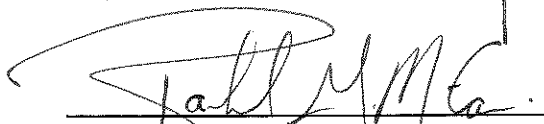
Examination Date

October 8, 2020

Expiration Date

  
\_\_\_\_\_

David W. Hogue - Principal Instructor / Training Manager

  
\_\_\_\_\_

Rachel G. McCain - Exam Administrator



(Approved by the ABIH Certification Maintenance Committee for 3 CM points - Approval #11-529)

(Florida Provider Registration Number FL49-0001342 - Course #FL49-0004700)

TEI - 1395 S. Marietta Parkway SE - Building 100, Suite 124 - Marietta, GA 30067

Phone: 770-427-3600 - Website: [www.tei-atl.com](http://www.tei-atl.com)

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# ***The Environmental Institute***

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## ***Sam Santoso***

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Social Security Number - XXX-XX-4534

Geo-Hydro Engineers - 1000 Cobb Place Blvd., Suite 290 - Kennesaw, Georgia 30144

*Has completed 4 hours of coursework and satisfactorily  
passed an examination that meets all criteria required for  
EPA/AHERA/ASHARA (TSCA Title II) Approved Reaccreditation*

### ***Asbestos in Buildings: Inspector Refresher***

January 31, 2020

Course Date

17807

Certificate Number

January 31, 2020

Examination Date

January 30, 2021

Expiration Date

David W. Hogue - Principal Instructor / Training Manager

Rachel G. McCain - Exam Administrator



(Approved by the ABIH Certification Maintenance Committee for 1/2 CM point - Approval #11-577)

(Florida Provider Registration Number FL49-0001342 - Course #FL49-0002805)

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