
**HAZARDOUS MATERIAL SURVEY REPORT
FOR
PHASE 2 ANIMAL QUARANTINE STATION RELOCATION
HALAWA VALLEY STREET
AIEA, ISLAND OF OAHU 96701**

MNA PROJECT 3048_2

October 6, 2021



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Revised: October 6, 2021



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EXECUTIVE SUMMARY

In May 2021, MNA Environmental (MNA), was retained by AHL, to conduct a hazardous material survey at the Animal Quarantine Station canopies, kennel, pretreatment plant, and sheds located on Halawa Valley Street, Aiea, Oahu. Targeted were those areas anticipated to be disturbed or demolished during the planned relocation.

The objective of the survey was to identify the presence, extent, and conditions of hazardous materials in and on the buildings in the areas anticipated to be disturbed, so that the information can be incorporated within demolition plans prior to construction of the new Animal Quarantine Station.

During 08 and 09 July 2021, MNA conducted this hazardous material survey and identified 38 suspect building materials. Based on sampling and analysis of 21 asbestos/bulk and 62 lead/paint chip samples, and a visual inspection of light ballasts, fluorescent light tubes, and light switches, MNA provides the following summary:

Summary of Hazardous Material Findings

	ACM	LCP	LBP	Arsenic	PCB	Mercury
Small Canopies						
Exterior						
Large Canopies						
Exterior		☐				
Kennel						
Interior		☐				
Exterior		☐				
Pretreatment Plant and Shed						
Interior	☐	☐	☐			
Exterior		☐	☐			
Exterior Shed		☐	☐			
Sheds						
Exterior						

☐ indicates presence of hazardous material

ACM – Asbestos-Containing Material, 1% or higher

LBP – Lead-Based Paint, ≥5,000 mg/kg

LCP – Lead-Containing Paint, <5,000 mg/kg

PCB – Polychlorinated Biphenyls

Based on the visual survey and sampling and analysis of suspect bulk materials and paints, special hazard control measures are warranted for work involving asbestos and lead paint. These control measures are briefly described in Section 10 Recommendations for Renovation and Construction Work. General dust, silica, and runoff controls and environmental protection are also warranted.

Paint samples were analyzed for lead content only. There is a potential for the presence of other hazardous chemicals in the lead-free or low-lead paint coatings. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of site workers and the environment.

Contractors must verify, prior to bidding, the location and volumes of potentially hazardous materials and determine the appropriate dust and hazard control measures based on the area and material to be disturbed. Quantities of materials provided in this report are based on visual approximations of structures (some grouped based on appearance) during the survey and should not be used for bidding purposes.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM before any work is begun.

Worker protection from silica exposures is also enforced by the Occupational Safety and Health Administration. All appropriate engineering controls must be implemented, and personal protective equipment may be considered as added protection.

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1.0 INTRODUCTION

MNA Environmental (MNA), under an agreement with AHL, conducted a hazardous material survey for the Phase 2 Animal Quarantine Station Relocation project, located on Halawa Valley Street, Oahu.

MNA's survey was conducted in support of the planned demolition project. Targeted were those areas anticipated to be disturbed by the demolition and relocation work, as follows:

- Hazardous building materials due to the suspected presence of asbestos, lead, or arsenic.
- Polychlorinated biphenyls (PCB)-containing light ballasts.
- Mercury-containing electrical equipment, such as fluorescent light tubes, high-intensity discharge light bulbs, and light switches.



Small Canopy (Typical)



Kennel



Large Canopy (Typical)

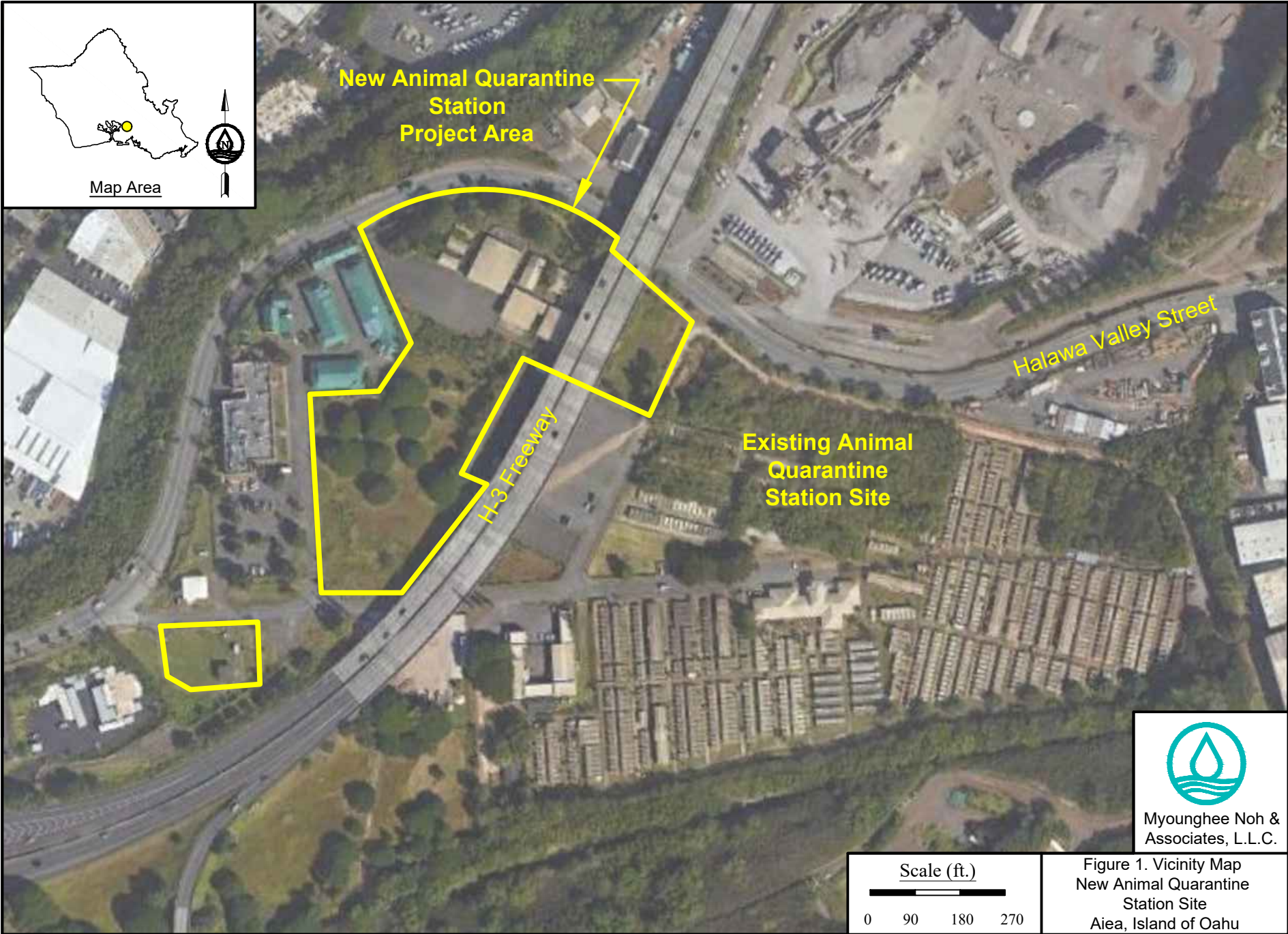


Pretreatment Plant and Shed



Shed

A site layout map providing the locations of all canopies, kennels, and sheds are presented in Appendix C.



2.0 SAMPLING AND SURVEY METHODS

During 08 and 09 July 2021, State of Hawaii-certified building inspectors, Danny Falanug, Joanna Boyette, and Kealohilani Serrao, conducted the building material survey. The inspectors performed a visual assessment of the project site, identified materials suspected of containing asbestos, lead, or arsenic, and collected samples of these materials. The inspectors also surveyed light ballasts and inventoried light components and switches for potential presence of PCB or mercury. Inspector certifications are presented in Appendix A.

2.1 Identifying Homogeneous Materials

The inspectors identified building materials with the same appearance, color, and substrate as homogeneous materials. Interior and exterior homogeneous materials are considered unique per structure. Building materials with the same characteristics (appearance, color, and substrate), as an identified homogeneous material, should be considered to possess the same hazard characteristics, unless specifically identified as otherwise in the report. As an example, if off-white paint on metal is found to be lead-based paint (LBP), then all identical off-white paint on metal in the survey area should be treated as LBP. Table 1 provides an overview of sampling and a summary of hazardous materials identified.

Table 1. Summary of Sampling and Results

Materials Sampled	Samples Submitted/ Inspected	Suspect Material Locations	Identified Hazardous Materials
5 Small Canopies			
Asbestos in bulk material or paint	0	---	None
Lead in paint	4	Beams, ceiling purlins, roof	None
Arsenic in bulk	0	---	None
PCB light ballasts	0	---	None
Mercury light tubes	0	---	None
Mercury light switches	0	---	None
HID bulbs	0	---	None
 kennel			
Asbestos in bulk material or paint	0	---	None
Lead in paint	8	Beams, ceiling, downspouts, gutter, purlins, roof, walls	2 LCP (44 mg/kg and 55 mg/kg)
Arsenic in bulk	0	---	None
PCB light ballasts	1	Fluorescent light fixtures (3 fixtures)	None
Mercury light tubes	6	Fluorescent light tubes (6 tubes)	6 Low-mercury vapor light tubes
Mercury light switches	1	Wall switches (1 switch)	None
HID bulbs	0	---	None

Materials Sampled	Samples Submitted/ Inspected	Suspect Material Locations	Identified Hazardous Materials
3 Large Canopies			
Asbestos in bulk material or paint	0	---	None
Lead in paint	8	Beams, ceiling, purlins, roof, table, wall	2 LCP (39 mg/kg and 95 mg/kg)
Arsenic in bulk	0	---	None
PCB light ballasts	6	Fluorescent light fixtures (14 fixtures)	None
Mercury light tubes	28	Fluorescent light tubes (28 tubes)	28 Low-mercury vapor light tubes
Mercury light switches	1	Wall switches (1 switch)	None
HID bulbs	0	---	None
Pretreatment Plant and Shed			
Asbestos in bulk material or paint	21	Beams, ceiling, door frame, eaves, roofing system, valves, walls, window frame	1 ACM (3% Chrysotile)
Lead in paint	38	Beams, cabinets, ceiling, conduit, doors, door frame, eaves, electrical box, flashing, mount, pipes, posts, pumps, pump platform, purlins, railings, roof, slats, valves, walls, window slats	11 LCP (69 mg/kg – 53,000 mg/kg) including 3 LBP (5,300 mg/kg – 53,000 mg/kg)
Arsenic in bulk	0	---	None
PCB light ballasts	5	Fluorescent light fixtures (10 fixtures)	None
Mercury light tubes	20	Fluorescent light tubes (20 tubes)	20 Low-mercury vapor light tubes
Mercury light switches	1	Wall switches (1 switch)	None
HID bulbs	0	---	None
2 Sheds			
Asbestos in bulk material or paint	0	---	None
Lead in paint	4	Ceiling, doors, roof, walls	None
Arsenic in bulk	0	---	None
PCB light ballasts	3	Fluorescent light fixtures (12 fixtures)	None
Mercury light tubes	24	Fluorescent light tubes (24 tubes)	24 Low-mercury vapor light tubes
Mercury light switches	3	Wall switches (3 switches)	None
HID bulbs	0	---	None

ACM – Asbestos-Containing Material
LBP – Lead-Based Paint, ≥5,000 mg/kg
LCP – Lead-Containing Paint, <5,000 mg/kg

PCB – Polychlorinated biphenyls
mg/kg – milligrams per kilogram (equivalent to parts per million)

2.2 Building Material Sampling

Bulk and paint samples were collected using a decontaminated chisel, razor, or hammer in a manner that minimized airborne dust. The inspectors collected triplicate samples for asbestos and duplicate samples for lead. No suspected arsenic-containing building materials were identified. Samples were placed in sealable plastic bags, labeled with a unique identification number, and

recorded on a chain-of-custody. For each sample, the date, sample appearance, analyte, and sample location were recorded on a field data form. Asbestos samples were transported under chain-of-custody to LA Testing in South Pasadena, California. Lead samples were delivered under chain-of-custody to Hawaii Analytical Laboratory in Honolulu, Hawaii.

2.3 PCB-Containing Ballast Inspection

Fluorescent light ballasts in the buildings were inventoried and inspected for the presence of PCB-containing dielectric fluid. MNA recorded the number of fluorescent light fixtures and selected accessible fixtures to be inspected; 15 of 39 accessible light fixtures were inspected. MNA confirmed that the light switch was off, opened the light fixture, removed the ballast cover plate, and inspected the ballast for a “No PCBs” label. The location of inspected fixtures was recorded, and the light fixtures were reassembled following inspections.

Ballast manufactured between July 1, 1978, and July 1, 1998, that does not contain PCBs must be labeled “No PCBs.” Ballast manufactured after 1998 are not required to be labeled. Ballasts without the “No PCBs” label or that are manufactured prior to 1979 are considered suspect PCB-containing in accordance with EPA guidance for PCB. Inaccessible ballasts are assumed to be PCB-containing.

2.4 Mercury-Containing Light Tube and Switch Inspection

MNA visually inspected fluorescent light tubes in the buildings to identify if they were conventional mercury-containing tubes. According to the EPA guidelines, lamps with green end caps are identified as low-mercury light tubes which may contain 3.5 - 4 milligrams (mg) of mercury, compared to a conventional fluorescent light tube with 8 - 14 mg of mercury (<http://www.epa.gov/osw/hazard/wastetypes/universal/lamps/faqs.htm>). If a green band is not observed at the end cap, it is considered a conventional mercury-containing tube.

MNA also turned on and off all accessible light switches. If a switch does not make a clicking sound when turned on and off, it is considered to be suspect mercury-containing. The locations of inspected light tubes and switches were recorded.

3.0 LABORATORY INFORMATION

LA Testing analyzed the asbestos samples by polarized light microscopy using the Environmental Protection Agency (EPA) Method 600/R-93/116. LA Testing, South Pasadena, is certified by:

- National Voluntary Laboratory Accreditation Program (NVLAP), certification 200232-0
- State of Hawaii Department of Health (HDOH), certification L-01-034
- American Industrial Hygienist Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP), certification 102814

Hawaii Analytical Laboratory analyzed the lead samples by flame atomic absorption spectroscopy using the NIOSH Method 7082m. Hawaii Analytical Laboratory, Honolulu, is certified by:

- NVLAP, certification 200655-0
- HDOH, certification L-14-002
- AIHA ELLAP, certification 101812

4.0 ASBESTOS RESULTS

Materials determined to contain greater than, or equal to, 1% asbestos are considered regulated asbestos-containing material (ACM) under the National Emission Standards for Hazardous Air Pollutants (NESHAP) as specified in 40 Code of Federal Regulations (CFR) Part 61 Subpart M. The U.S. Occupational Safety and Health Administration (OSHA) Asbestos General Industry and Construction Standards also define ACM as 1% asbestos or more by volume under 29 CFR 1910.1001 and 29 CFR 1926.1101, respectively. However, any measurable levels of asbestos fibers are considered to be a health concern, in an uncontrolled work environment.

Seven homogeneous materials suspected of containing asbestos were identified and sampled at the Pre-treatment Plant, generating 21 samples for analysis. One ACM, white caulking on metal door and window frames, was confirmed in the Pretreatment Plant interior, 3% chrysotile asbestos (Table 2).

No suspected ACM were observed in the Small and Large Canopies, Kennel, or Sheds; therefore, no samples were collected from these structures during this survey.

Table 2. Asbestos-Containing Material Determination

Area	Location	HM ID	Material Color	Material	Substrate	Result	Condition	Estimated Quantity	Unit
Pretreatment Plant									
Interior	Beam, ceiling	14	White	Textured paint Skim coat	Concrete	ND	Poor	800	sq. ft.
Interior	Walls	16	Off-white	Textured paint Skim coat	Brick	ND	Fair	2,000	sq. ft.
Interior	Door frame, window frame	23	White	Caulking	Metal	ACM 3%	Fair	60	ln. ft.
Exterior	Beams, eaves	25	White	Paint Skim coat	Concrete	ND	Poor	500	sq. ft.
Exterior	Walls	27	Off-white	Paint Skim coat	Brick	ND	Poor	1,100	sq. ft.
Exterior	Valves	30	Lt. green	Gasket	Metal	ND	Fair	40	ln. ft.
Exterior	Roofing system	38	Black	Built-up roofing	Concrete	ND	Fair	900	sq. ft.

Bold value indicates result above the laboratory reporting limit.

The asbestos found to be chrysotile.

Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.

Poor – Material shows significant deterioration and may not be functional for its installed purpose. The binding of the material has decreased integrity as indicated by peeling, cracking, or crumbling of the material.

Abbreviations and Acronyms

ACM – Asbestos-Containing Material
HM ID – Homogeneous Material Identifier
ln. ft. – Linear Feet
ND – Not Detected
sq. ft. – Square Feet

The suspected ACM descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are provided in Appendix C. Photographs of suspected materials are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

5.0 LEAD RESULTS

The U.S. Department of Housing and Urban Development (HUD) and the EPA define paint containing 5,000 milligrams per kilogram (mg/kg), or 0.5% by weight, or more of lead to be LBP. Paint containing any measurable concentration of lead is considered to be lead-containing paint (LCP) and a health concern. When lead is detected in a multi-layer sample, it is assumed that all layers represented by the sample contain lead at the same concentration.

Thirty-one suspected lead paints were identified and sampled, generating 62 paint chip samples. Twelve LCP were identified in the survey area, with results ranging from 39 mg/kg to 53,000 mg/kg. Three of the lead paints were identified as LBP, with results at or above 5,000 mg/kg, the threshold for LBP (Table 3).

5 Small Canopies: Two suspected lead paints were identified and sampled, generating four paint chip samples. Laboratory analytical results indicated no measurable levels of lead. Therefore, it is concluded that no lead paints are present in the structures.

Kennel: Four suspected lead paints were identified and sampled, generating eight paint chip samples. Two LCP were identified in the survey area, with results of 44 mg/kg and 55 mg/kg Table 3.

3 Large Canopies: Four suspected lead paints were identified and sampled, generating eight paint chip samples. Two LCP were identified in the survey area, with results of 39 mg/kg and 95 mg/kg.

Pretreatment Plant and Shed: Nineteen suspected lead paints were identified and sampled, generating 38 paint chip samples. Eleven lead paint were identified in the survey area, with results ranging from 44 mg/kg to 53,000 mg/kg. Three of those paints, green and off-white on metal in the Pretreatment Plant, and off-white on metal on the Shed, were identified as LBP, at or above 5,000 mg/kg, the threshold for LBP.

2 Sheds: Two suspected lead paints were identified and sampled, generating four paint chip samples. Laboratory analytical results indicated no measurable levels of lead. Therefore, it is concluded that no lead paints are present in the Sheds.

Table 3. Lead-Containing Paint Determination

Area	Location	HM ID	Material Color	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit
5 Small Canopies								
Exterior	Beams, purlins, roof	5	Beige	Metal	<38 - <39	Fair	2,100	sq. ft.
Exterior	Ceiling	6	Green	Metal	<35 - <36	Fair	1,800	sq. ft.
Kennel								
Interior	Walls	7	Green	Wood	<40	Fair	2,800	sq. ft.
Interior	Ceiling	8	Green	Metal	<37 - <40	Fair	1,800	sq. ft.
Interior	Beams, purlins	9	Beige	Metal	<36 - 55	Poor	500	sq. ft.
Exterior	Downspouts, gutter, roof	10	Beige	Metal	<33 - 44	Poor	2,000	sq. ft.
3 Large Canopies								
Exterior	Beams, purlins, roof, walls	3	Beige	Metal	LCP <39 - 39	Fair	21,000	sq. ft.
Exterior	Ceiling	4	Green	Metal	<36 - 95	Fair	19,500	sq. ft.
Exterior	Table, wall	11	Green	Wood	<40	Fair	150	sq. ft.
Exterior	Wall	12	Gray	Wood	<40	Fair	150	sq. ft.
Pretreatment Plant and Shed								
Interior	Beam, ceiling	13	White	Concrete	<40	Poor	800	sq. ft.
Interior	Walls	15	Off-white	Brick	<40	Fair	2,000	sq. ft.
Interior	Doors, door frames, window slats	17	Beige	Wood	82 - 110	Fair	200	sq. ft.
Interior	Pipes, pumps	18	Green	Metal	2,200 - 5,300	Fair	200	sq. ft.
Interior	Mounts	19	Brown	Concrete	260 - 370	Good	200	sq. ft.
Interior	Electrical box	20	Gray	Metal	<40	Fair	60	sq. ft.
Interior	Cabinets	21	Pink	Wood	<40 - 260	Fair	300	sq. ft.
Interior	Conduit, pipe	22	Off-white	Metal	700 - 1,400	Poor	40	ln. ft.
Interior	Pump platform	36	Dk. gray	Metal	<40 - 69	Good	10	sq. ft.
Exterior	Beams, eaves	24	White	Concrete	<40	Poor	500	sq. ft.
Exterior	Walls	26	Off-white	Brick	<40	Poor	1,100	sq. ft.
Exterior	Doors, door frames, window slats	28	Off-white	Wood	<40	Poor	120	sq. ft.
Exterior	Pipes	29	Off-white	Metal	3,600 - 53,000	Poor	10	ln. ft.
Exterior	Pipes	34	Red	Metal	<40	Fair	200	ln. ft.
Exterior	Valves	35	Blue	Metal	340 - 520	Fair	40	sq. ft.
Exterior	Flashing	37	Dk. brown	Metal	<40 - 570	Good	200	ln. ft.
Shed	Beams, posts, purlins	31	Green	Wood	<40	Fair	100	sq. ft.
Shed	Railings	32	Black	Metal	1,200 - 4,000	Poor	80	ln. ft.
Shed	Pipe, pumps	33	Green	Metal	110 - 6,500	Poor	150	sq. ft.

Area	Location	HM ID	Material Color	Substrate	Result (mg/kg)	Condition	Estimated Quantity	Unit
Sheds								
Exterior	Doors, roof, walls	1	Beige	Metal	<35 - <37	Good	3,000	sq. ft.
Exterior	Ceiling, walls	2	Green	Metal	<33 - <35	Fair	3,000	sq. ft.

Bold values indicate LCP.

Bold and red values indicate LBP.

Good – Material is in an "as installed" condition. It is usable as is and may show cosmetic wear and tear or fading.

Fair – Material is functional for its installed purpose but shows initial signs of deterioration beyond the cosmetic.

Poor – Material shows significant deterioration and may not be functional for its installed purpose. Paint is bubbling or peeling over 20% or more of surface area and no longer protects the substrate.

Abbreviations and Acronyms

HM ID – Hazardous Material Identifier

LBP – Lead-Based Paint, ≥5,000 mg/kg

LCP – Lead-Containing Paint, <5,000 mg/kg

ln. ft. – Linear Feet

mg/kg– milligrams per kilogram or parts per million

sq. ft. – Square Feet

Suspected LCP descriptions and identifiers are provided in Appendix B. Sample and hazardous material location drawings are in Appendix C. Photographs of suspected LCP are presented in Appendix D. Laboratory analytical reports, chain-of-custody, and field data forms are provided in Appendix E.

6.0 ARSENIC RESULTS

The disturbance of arsenic-containing materials is regulated by the OSHA Inorganic Arsenic General Industry Standard under 29 CFR 1910.1018. No suspected arsenic-containing materials were observed; therefore, no samples were collected during this survey.

7.0 SUSPECT PCB-CONTAINING BALLAST RESULTS

Handling, storage, transportation, and disposal of suspect PCB-containing waste are regulated by the Toxic Substance Control Act (TSCA; 40 CFR 761).

MNA inventoried 39 fluorescent light fixtures, containing a total of 39 ballasts, throughout the project area. All fixtures were accessible. Fifteen light ballasts were inspected and each were identified as non-PCB ballasts because the “No PCBs” label was observed.

Small Canopies: No light fixtures were observed.

Kennel: MNA inventoried three fluorescent light fixtures, containing a total of three ballasts. The fixtures were accessible. One ballast was inspected and was identified as non-PCB.

Large Canopies: MNA inventoried 14 fluorescent light fixtures, containing a total of 14 ballasts. All fixtures were accessible. Six light ballasts were inspected, and they were identified as non-PCB ballasts.

Pretreatment Plant and Shed: MNA inventoried ten fluorescent light fixtures, containing a total of 10 ballasts. All fixtures were accessible. Five light ballasts were inspected and each were identified as non-PCB ballasts.

Sheds: MNA inventoried 12 fluorescent light fixtures, containing a total of 12 ballasts. All fixtures were accessible. Three light ballasts were inspected and each were identified as non-PCB ballasts.

Contractor must be required to inspect and document each ballast again before removal and recycle, as applicable.

8.0 MERCURY RESULTS

Handling, storage, transportation, and disposal of Universal Waste are regulated by the EPA Standards for Universal Waste Management (40 CFR 273).

MNA inventoried and visually inspected 78 fluorescent light tubes in the project area; all fluorescent light tubes had a green band, indicating that they were low-mercury vapor tubes. No high-intensity discharge light bulbs were observed in the project areas. Six light switches were also inspected, and none of them were suspect mercury-containing.

Small Canopies: No fixtures were observed.

Large Canopies: Twenty-eight low-mercury vapor fluorescent light tubes were inventoried and inspected. One non-mercury light switch was identified.

Kennel: Six low-mercury vapor fluorescent light tubes were inventoried and inspected. One non-mercury light switch was identified.

Pretreatment Plant and Shed: Twenty low-mercury vapor fluorescent light tubes were inventoried and inspected. One non-mercury light switch was identified.

Sheds: Twenty-four low-mercury vapor fluorescent light tubes were inventoried and inspected. Three non-mercury light switches were identified.

9.0 SUMMARY OF SURVEY RESULTS

MNA conducted a hazardous material survey at the Animal Quarantine Station, at Halawa Valley Street, Aiea, Island of Oahu. MNA's survey was conducted in support of the planned relocation project.

Based on the analysis of seven asbestos-suspected materials and 31 lead-suspected paint coatings, and a visual inspection of light ballasts, fluorescent light tubes, and light switches, MNA provides the following summary:

Summary of Hazardous Material Findings

	ACM	LCP	LBP	Arsenic	PCB	Mercury
5 Small Canopies						
Exterior						
3 Large Canopies						
Exterior		☐				
Kennel						
Interior		☐				
Exterior		☐				
Pretreatment Plant and Exterior Shed						
Interior	☐	☐	☐			
Exterior		☐	☐			
Exterior Shed		☐	☐			
2 Sheds						
Exterior						

☐ indicates presence of hazardous material
 ACM – Asbestos-Containing Material, 1% or higher
 LBP – Lead-Based Paint, ≥5,000 mg/kg
 LCP – Lead-Containing Paint, <5,000 mg/kg
 PCB – Polychlorinated Biphenyls

10.0 RECOMMENDATIONS FOR RENOVATION AND CONSTRUCTION WORK

It is required that properly trained employees perform demolition and construction work that disturbs hazardous materials, in a manner protective of the site workers, the public, facility users, and the environment. The following recommendations address OSHA and other applicable federal requirements. These recommendations provide guidance for the management of hazardous building materials and control of occupational and environmental hazards associated with operations, maintenance, renovation, and demolition. These recommendations are based on information gathered during the hazardous materials survey. These recommendations are not intended to constitute a formal work plan but are intended to provide a starting point for the development of a work plan.

10.1 Asbestos-Containing Materials

Employees involved in demolition and construction activities that disturb asbestos must conduct work in accordance with 29 CFR 1926.1101, the OSHA Asbestos Construction Standard. Work practices that would trigger these requirements include, but are not limited to, repair, maintenance, or renovation of structures containing asbestos, as well as removal or encapsulation of materials containing asbestos. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the type, volume, and condition of asbestos materials. Applicable work practice guidelines involving the disturbance of asbestos materials are summarized, but are not limited to:

- Contractors must anticipate hazards and utilize appropriate engineering controls and personal protective equipment (PPE).
- Employers must provide and require the use of appropriate PPE for any employee exposed to airborne concentrations of asbestos that exceed OSHA regulatory limits, or for which a required negative exposure assessment is not produced (29 CFR 1926.1101[i][1]).
- Employees must utilize respiratory protection until the initial exposure monitoring assessment documents safe working levels of airborne asbestos (29 CFR 1926.1101[f] and [h]). Additional periodic exposure monitoring may be required.
- An initial exposure monitoring assessment should be carried out when workers are disturbing asbestos to ensure that they are not exposed to airborne asbestos concentrations greater than the Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) of air as an 8-hour time-weighted average (TWA), and the Excursion Limit of 1.0 f/cc over a 30-minute sampling period.
- The work site must be maintained as a controlled regulated area and supervised by a competent person at all times.
- Employees must implement stringent dust control procedures to prevent asbestos in any airborne or settled dust.
- Employees must clean the work area thoroughly using wet methods and a high-efficiency particulate air (HEPA) vacuum. Dry sweeping or air blowing of asbestos-containing debris and dust must be avoided.
- Waste and dust containing asbestos must be collected separately from other construction debris. Workers must conduct prompt and controlled clean up and disposal of asbestos wastes and debris in leak-tight containers.
- Asbestos-containing waste must be wet, packaged, labeled, stored, and disposed of in accordance with applicable regulations.
- Visually inspect the work area to ensure that all asbestos-containing debris and dust has been properly removed.
- Conduct clearance in accordance with contract specifications.

10.2 Lead-Containing Paints

Employees involved in renovation or demolition activities that disturb lead paints must conduct work in general accordance with 29 CFR 1926.62 OSHA Lead in Construction Standard. Work practices that would trigger these requirements include, but are not limited to, sanding, blasting, welding, cutting, scraping, and spot/whole paint removals. For each project, the contractor must determine the appropriate safety measures based on the area to be disturbed, the lead concentration, and the paint condition. Applicable work practice guidelines involving the disturbance of lead paints are summarized, but are not limited to:

- Contractors must anticipate hazards and utilize appropriate engineering controls and PPE.
- Employees must utilize respiratory protection until the initial air monitoring assessment documents safe working levels of airborne lead (29 CFR 1926.62[d][1] and [2][i][A]).

- An exposure assessment should be carried out when employees are disturbing LCP or LBP to ensure that they are not exposed to airborne lead concentrations greater than the PEL of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) averaged over an 8-hour period. Additional periodic exposure monitoring may be required if the Action Level, $30 \mu\text{g}/\text{m}^3$, averaged over an 8-hour period is exceeded.
- Employees must implement stringent dust control procedures to prevent airborne lead dust.
- Employees must clean the work area thoroughly using wet methods and a HEPA vacuum. Dry sweeping or air blowing of lead debris and dust must be avoided.
- Lead-containing debris must be segregated from other wastes, collected, and containerized. Wastes must be characterized per State of Hawaii requirements, including a determination of the waste as hazardous or non-hazardous. Lead-containing waste must be handled and disposed of in accordance with applicable requirements.
- Visually inspect and verify the work area to ensure all lead-containing debris and dust has been properly removed and the project site is free of lead hazard.
- Conduct clearance in accordance with contract specifications.

10.3 Arsenic-Containing Materials

No suspected arsenic-containing materials were identified in the project areas during this survey. Therefore, no special arsenic control measures are provided.

10.4 PCB-Containing Ballasts

No PCB-containing ballasts were observed during the survey. In an event any ballasts are observed with missing or illegible “No PCBs” labels, or manufactured prior to 1979, they are considered suspect PCB-containing in accordance with EPA guidance for PCB. Workers must handle and dispose of these ballasts as PCB-containing ballasts. Trained workers are required to remove suspect PCB-containing light ballasts or cleaning up spills, and the work must be performed in accordance with OSHA and EPA requirements. The handling, storage, transportation, and disposal of suspect PCB-containing waste are regulated by the Toxic Substance Control Act (TSCA; 40 CFR Part 761). Safeguards, precautions, and protective measures must be designed and implemented to prevent PCB release or exposure. For each project, the contractor must determine the appropriate safety measures based on the number and condition of suspect PCB-containing ballasts.

10.5 Mercury-Containing Light Tubes

Low mercury vapor light tubes were observed during the survey. Trained employees are required to perform disturbance, removal, or cleanup of mercury-containing light tubes, and the work must be performed in accordance with EPA and OSHA regulations. Safeguards, precautions, and protective measures should be utilized to prevent mercury exposure. For each project, the contractor should determine the appropriate safety measures based on the number and condition of affected light tubes and switches.

11.0 LIMITATIONS

Industry standard effort was made to identify suspected hazardous building materials during the survey at the project area. However, this does not imply a guarantee that all suspected building materials and hazardous materials were identified by this assessment because certain building materials and/or surfaces may be hidden by walls, flooring/concrete slab, partitions, other building components, or existing equipment. If any previously unforeseen suspected materials become known, such as any hazardous chemicals in the lead-free paint coatings, additional assessment may be required prior to the planned demolition project.

Paint samples were analyzed for lead content only. There is a potential for the presence of other hazardous chemicals in the lead-free or low-lead paint coatings. Contractor must anticipate hazards and take all appropriate measures to prevent exposure of workers and environment.

Material quantities provided in this report are based on visual approximations taken at the time of the survey only and should not be used for bidding purpose. It is the Contractor's responsibility to verify the material quantities and volume of waste prior to bidding.

Analytical results provided in this report do not meet the requirements for waste characterizations. Contractor must coordinate with permitted landfills for waste characterization requirements.

Any ACM disturbance is considered a regulated activity. Contractors are required to comply with 29 CFR 1926.1101(k)(3)(i) to identify the presence, location, and quantity of ACM and/or Presumed-ACM before any work is begun.

Worker protection from silica exposures is also enforced by the OSHA. All appropriate engineering controls must be implemented and PPE may be considered as added protection.

APPENDIX A: INSPECTOR CERTIFICATIONS

Danny Falanug

Joanna Boyette

Kealohilani Serrao



State of Hawai'i Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	n/a	PD	n/a
INS	05/11/22	PM	05/21/22

W= Worker
 CS= Cont./Sup.
 INS= Inspector
 PD= Project Designer
 MP= Mgmt. Planner
 PM= Project Monitor

**Falanug
Danny**

Myounghee Noh & Associates, L.L.C.

HIASB-3526

State Exp. Date 05/25/2022

State of Hawai'i Lead Based Paint Activities Certification

Expiration Dates:

Inspector-	08/12/2022
Supervisor-	06/12/2023
Risk Assessor-	n/a
Project Designer-	08/06/2023
Worker-	n/a

**Falanug
Danny**

Certification # PB-0661





State of Hawai'i Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	n/a	PD	n/a
INS	05/20/22	PM	08/10/21

W= Worker
 CS= Cont./Sup.
 INS= Inspector
 PD= Project Designer
 MP= Mgmt. Planner
 PM= Project Monitor

Boyette

Joanna L.

Myounghee Noh & Associates, L.L.C.

HIASB-0348

State Exp. Date 05/02/2022

State of Hawai'i Lead Based Paint Activities Certification

Expiration Dates:

Inspector-	04/04/2022
Supervisor-	n/a
Risk Assessor-	n/a
Project Designer-	n/a
Worker-	n/a



Boyette

Joanna

Certification # PB-0839





State of Hawai'i Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	05/23/22	PD	n/a
INS	05/04/22	PM	n/a

W= Worker
 CS= Cont./Sup.
 INS= Inspector
 PD= Project Designer
 MP= Mgmt: Planner
 PM= Project Monitor

Serrao
 Kealohilani T.E.
 Myounghee Noh & Associates, L.L.C.
HIASB-4729
 State Exp. Date **06/06/2022**

State of Hawai'i Lead Based Paint Activities Certification

Expiration Dates:

Inspector-	09/30/2022
Supervisor-	n/a
Risk Assessor-	n/a
Project Designer-	n/a
Worker-	n/a



Serrao
 Kealohilani T.E.
 Certification # PB-1128



**APPENDIX B: HOMOGENEOUS MATERIALS IDENTIFIED AND
SAMPLE TYPES COLLECTED**

Homogeneous Materials Identified and Sample Types Collected

HM ID	Structure	Area	Location	Material Color	Material	Substrate	Asb	Pb	Result
1	Sheds	Exterior	Doors, roof, walls	Beige	Paint	Metal		X	<35 - <37 mg/kg
2	Sheds	Exterior	Ceiling, walls	Green	Paint	Metal		X	<33 - <35 mg/kg
3	Large Canopies	Exterior	Beams, purlins, roof, walls	Beige	Paint	Metal		X	LCP <39 - 39 mg/kg
4	Large Canopies	Exterior	Ceiling	Green	Paint	Metal		X	LCP <36 - 95 mg/kg
5	Canopies	Exterior	Beams, purlins, roof	Beige	Paint	Metal		X	<38 - <39 mg/kg
6	Canopies	Exterior	Ceiling	Green	Paint	Metal		X	<35 - <36 mg/kg
7	Kennel	Interior	Walls	Green	Paint	Wood		X	<40 mg/kg
8	Kennel	Interior	Ceiling	Green	Paint	Metal		X	<37 - <40 mg/kg
9	Kennel	Interior	Beams, purlins	Beige	Paint	Metal		X	LCP <36 - 55 mg/kg
10	Kennel	Exterior	Downspouts, gutter, roof	Beige	Paint	Metal		X	LCP <33 - 44 mg/kg
11	Large Canopies	Exterior	Table, wall	Green	Paint	Wood		X	<40 mg/kg
12	Large Canopies	Exterior	Wall	Gray	Paint	Wood		X	<40 mg/kg
13	Pre-treatment Plant	Interior	Beams, ceiling	White	Paint	Concrete		X	<40 mg/kg
14	Pre-treatment Plant	Interior	Beam, ceiling	White	Textured paint Skim coat	Concrete	X		ND
15	Pre-treatment Plant	Interior	Walls	Off-white	Paint	Brick		X	<40 mg/kg
16	Pre-treatment Plant	Interior	Walls	Off-white	Textured paint Skim coat	Brick	X		ND
17	Pre-treatment Plant	Interior	Doors, door frames, window slats	Beige	Paint	Wood		X	LCP 82 - 110 mg/kg

Homogeneous Materials Identified and Sample Types Collected

HM ID	Structure	Area	Location	Material Color	Material	Substrate	Asb	Pb	Result
18	Pre-treatment Plant	Interior	Pipes, pumps	Green	Paint	Metal		X	LBP 2,200 - 5,300 mg/kg
19	Pre-treatment Plant	Interior	Mounts	Brown	Paint	Concrete		X	LCP 260 - 370 mg/kg
20	Pre-treatment Plant	Interior	Electrical box	Gray	Paint	Metal		X	<40 mg/kg
21	Pre-treatment Plant	Interior	Cabinets	Pink	Paint	Wood		X	LCP <40 - 260 mg/kg
22	Pre-treatment Plant	Interior	Conduit, pipe	Off-white	Paint	Metal		X	LCP 700 - 1,400 mg/kg
23	Pre-treatment Plant	Interior	Door frame, window frame	White	Caulking	Metal	X		ACM 3%
24	Pre-treatment Plant	Exterior	Beams, eaves	White	Paint	Concrete		X	<40 mg/kg
25	Pre-treatment Plant	Exterior	Beams, eaves	White	Paint Skim coat	Concrete	X		ND
26	Pre-treatment Plant	Exterior	Walls	Off-white	Paint	Brick		X	<40 mg/kg
27	Pre-treatment Plant	Exterior	Walls	Off-white	Paint Skim coat	Brick	X		ND
28	Pre-treatment Plant	Exterior	Doors, door frames, window slats	Off-white	Paint	Wood		X	<40 mg/kg
29	Pre-treatment Plant	Exterior	Pipes	Off-white	Paint	Metal		X	LBP 3,600 - 53,000 mg/kg
30	Pre-treatment Plant	Exterior	Valves	Lt. green	Gasket	Metal	X		ND
31	Pre-treatment Plant	Exterior shed	Beams, posts, purlins	Green	Paint	Wood		X	<40 mg/kg
32	Pre-treatment Plant	Exterior shed	Railings	Black	Paint	Metal		X	LCP 1,200 - 4,000 mg/kg

Homogeneous Materials Identified and Sample Types Collected

HM ID	Structure	Area	Location	Material Color	Material	Substrate	Asb	Pb	Result
33	Pre-treatment Plant	Exterior	Pipe, pumps	Green	Paint	Metal		X	LBP 110 - 6,500 mg/kg
34	Pre-treatment Plant	Exterior	Pipes	Red	Paint	Metal		X	<40 mg/kg
35	Pre-treatment Plant	Exterior	Valves	Blue	Paint	Metal		X	LCP 340 - 520 mg/kg
36	Pre-treatment Plant	Interior	Pump platform	Dk. gray	Paint	Metal		X	LCP <40 - 69 mg/kg
37	Pre-treatment Plant	Exterior	Flashing	Dk. brown	Paint	Metal		X	LCP <40 - 570 mg/kg
38	Pre-treatment Plant	Exterior	Roofing system	Black	Built-up roofing	Concrete	X		ND

Abbreviations and Acronyms

ACM - Asbestos-Containing Material

All asbestos found to be chrysotile.

Asb - Asbestos

Bold values indicate results above the reporting limit.

CMU - Concrete Masonry Unit

HM ID - Homogeneous Material Identifier

LBP - Lead-Based Paint $\geq 5,000$ mg/kg

mg/kg - milligrams per kilogram, equivalent to parts per million

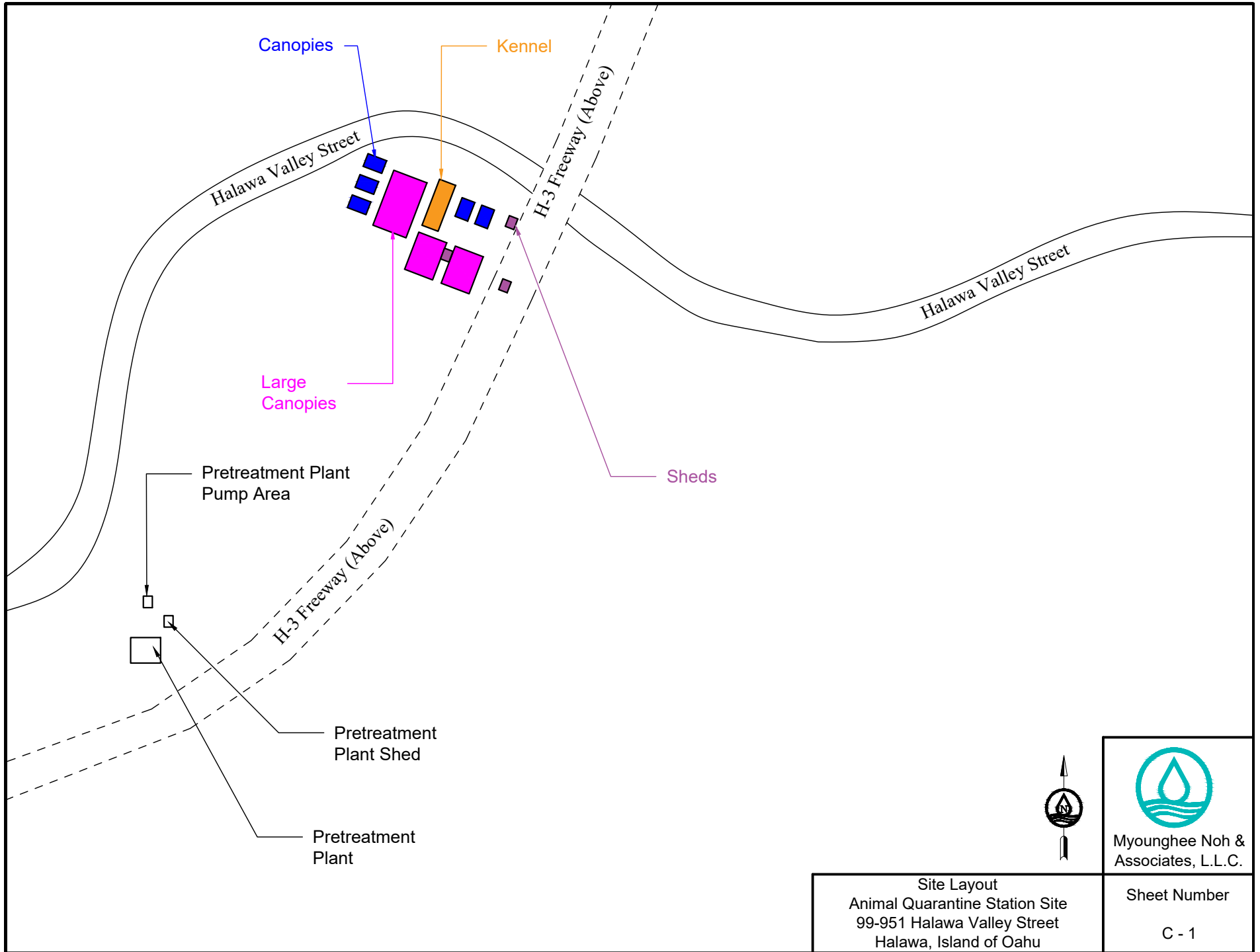
LCP - Lead-Containing Paint $< 5,000$ mg/kg

ND - Not Detected

Pb - Lead

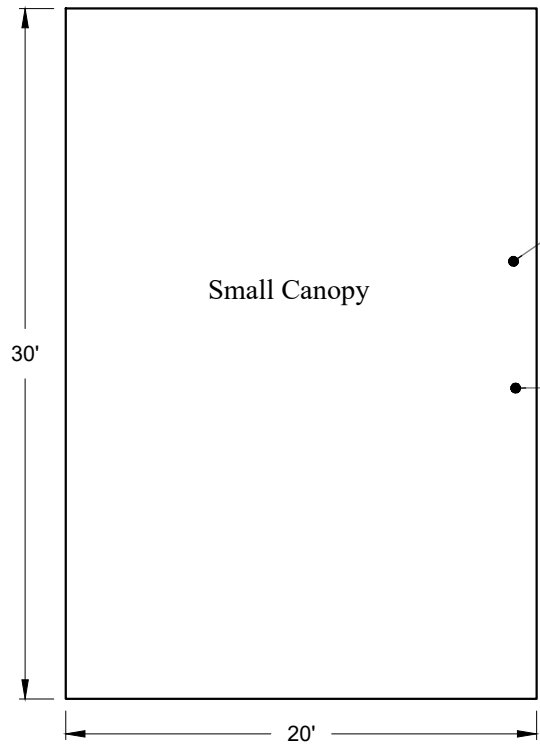
APPENDIX C: SAMPLE AND HAZARDOUS MATERIAL LOCATION DRAWINGS

List of Drawings	
Site Layout	C-1
Lead Paint Sample Locations – Small Canopies	C-2
Lead Paint Sample and Hazardous Material Locations – Kennel	C-3
Lead Paint Sample and Hazardous Material Locations – Large Canopies	C-4
Asbestos and Lead Paint Sample and Hazardous Material Locations – Pretreatment Plant, Shed, and Pump Area	C-5 to C-9
Lead Sample Locations – Shed	C-10



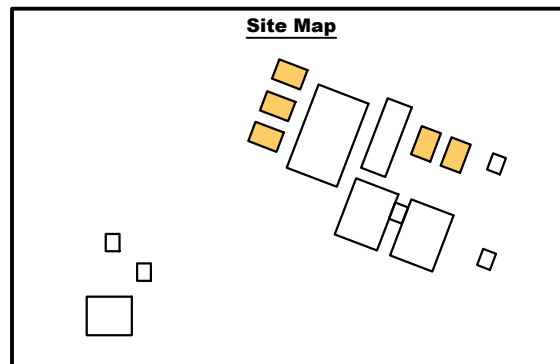
Site Layout
 Animal Quarantine Station Site
 99-951 Halawa Valley Street
 Halawa, Island of Oahu

Sheet Number
 C - 1



3084-P5A: <38 mg/kg
 3084-P5B: <39 mg/kg
 HM ID: 5 (Beige paint on metal roof)

3084-P6A: <35 mg/kg
 3084-P6B: <36 mg/kg
 HM ID: 6 (Green paint on metal ceiling)



Myounghee Noh & Associates, L.L.C.

Legend and Notes

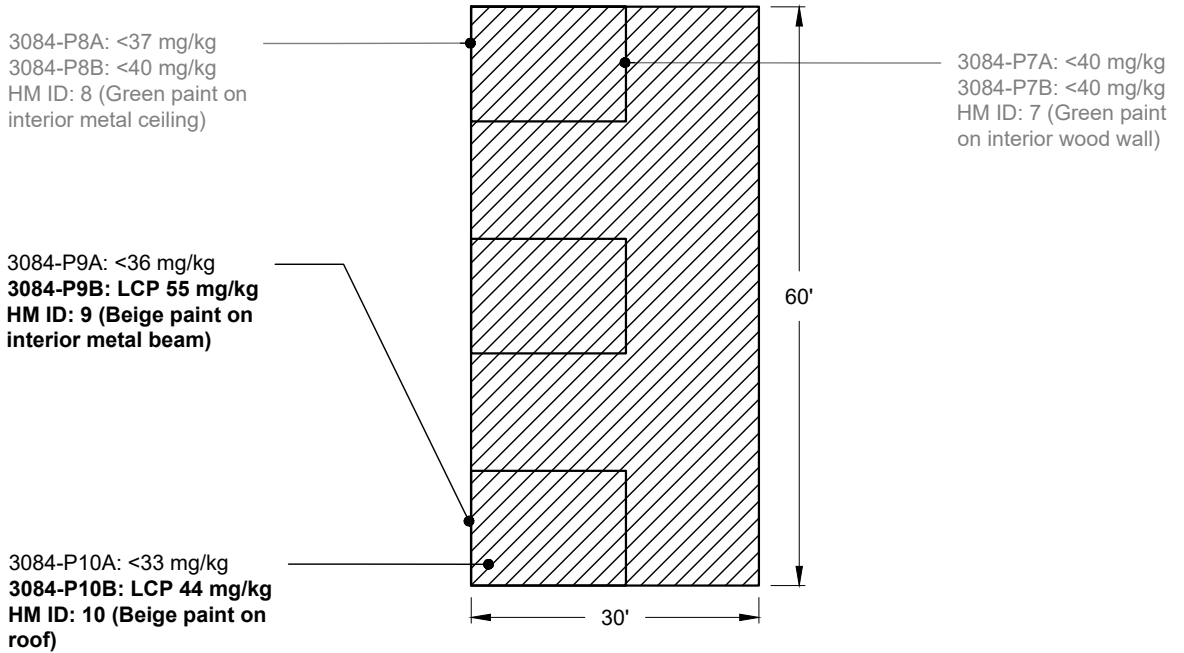
HM ID - Hazardous Material Identifier
 mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)

Lead Sample Locations
 Animal Quarantine Station Site
 Small Canopies

Sheet Number
 C - 2

HM ID	Location	Color	Substrate	Result (mg/kg)
9	Interior beams and purlins	Beige	Metal	LCP <36 - 55
10	Downspouts, gutter, roof			LCP <33 - 44

Kennel



Legend and Notes

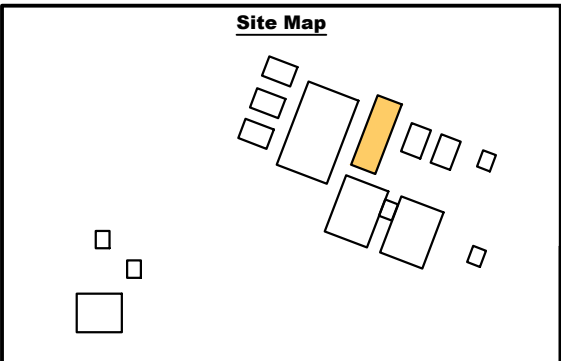
/// Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)



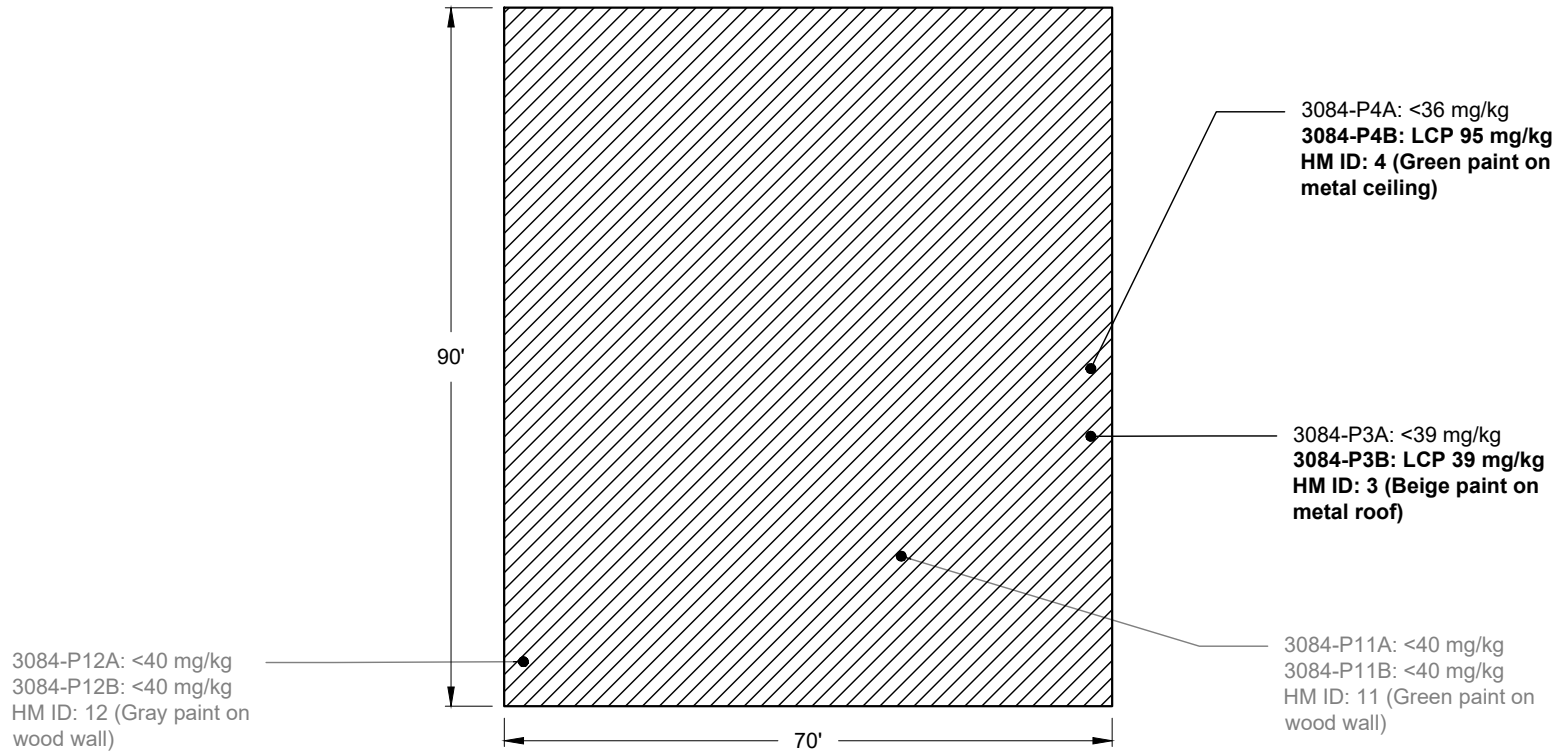
Myounghee Noh & Associates, L.L.C.

Lead Sample and Hazardous Material Locations
Animal Quarantine Station Site
Kennel Interior and Exterior

Sheet Number
C - 3

HM ID	Location	Color	Substrate	Result (mg/kg)
3	Beams, purlins, roof, walls	Beige	Metal	LCP <39 - 39
4	Ceiling	Green		LCP <36 - 95

Large Canopy 6
(Typical)



Legend and Notes

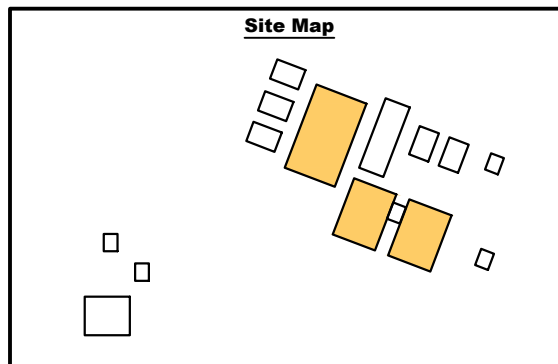
/// Visual Extent of Lead-Containing Paint

Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)



Myounghee Noh & Associates, L.L.C.

Lead Sample and Hazardous Material Locations
Animal Quarantine Station Site
Large Canopies

Sheet Number

C - 4

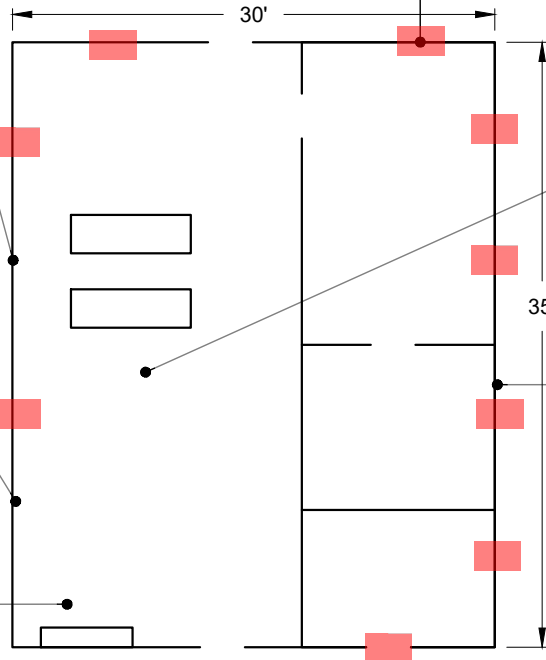
HM ID	Location	Color	Material	Substrate	Result
23	Door frame, window frame	White	Caulking	Metal	ACM 3%

3084-A2A-Textured paint/skim coat: ND
 3084-A2B-Textured paint/skim coat: ND
 3084-A2C-Textured paint/skim coat: ND
 HM ID: 16 (Off-white textured paint and skim coat on interior brick wall)

3084-A1A-Textured paint: ND
 3084-A1A-Skim coat: ND
 3084-A1B-Textured paint: ND
 3084-A1B-Skim coat: ND
 3084-A1C-Textured paint: ND
 3084-A1C-Skim coat: ND
 HM ID: 14 (White textured paint and skim coat on interior concrete beam)

3084-A5A-Paint: ND
 3084-A5A-Skim coat: ND
 3084-A5B-Paint: ND
 3084-A5B-Skim coat: ND
 3084-A5C-Paint: ND
 3084-A5C-Skim coat: ND
 HM ID: 25 (White paint and skim coat on concrete beam)

Pretreatment Plant



3084-A3A: ACM 3%
 3084-A3B: Stop positive
 3084-A3C: Stop positive
HM ID: 23 (Off-white caulking on interior metal window frame)

3084-A8A: ND
 3084-A8B: ND
 3084-A8C: ND
 HM ID: 38 (Black built-up roofing on concrete roofing system)

3084-A6A-Paint: ND
 3084-A6A-Skim coat: ND
 3084-A6B-Paint: ND
 3084-A6B-Skim coat: ND
 3084-A6C-Paint: ND
 3084-A6C-Skim coat: ND
 HM ID: 27 (Off-white paint and skim coat on exterior brick wall)

Legend and Notes

Visual Extent of Asbestos-Containing Material

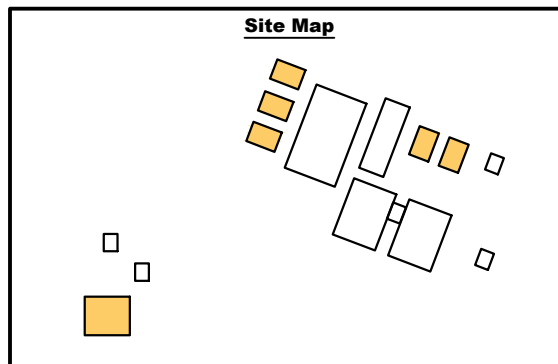
Bold values indicate results above reporting limit.

All asbestos found to be chrysotile.

ACM - Asbestos-Containing Material

HM ID - Homogeneous Material Identifier

ND - None Detected



Myounghee Noh & Associates, L.L.C.

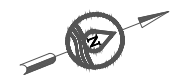
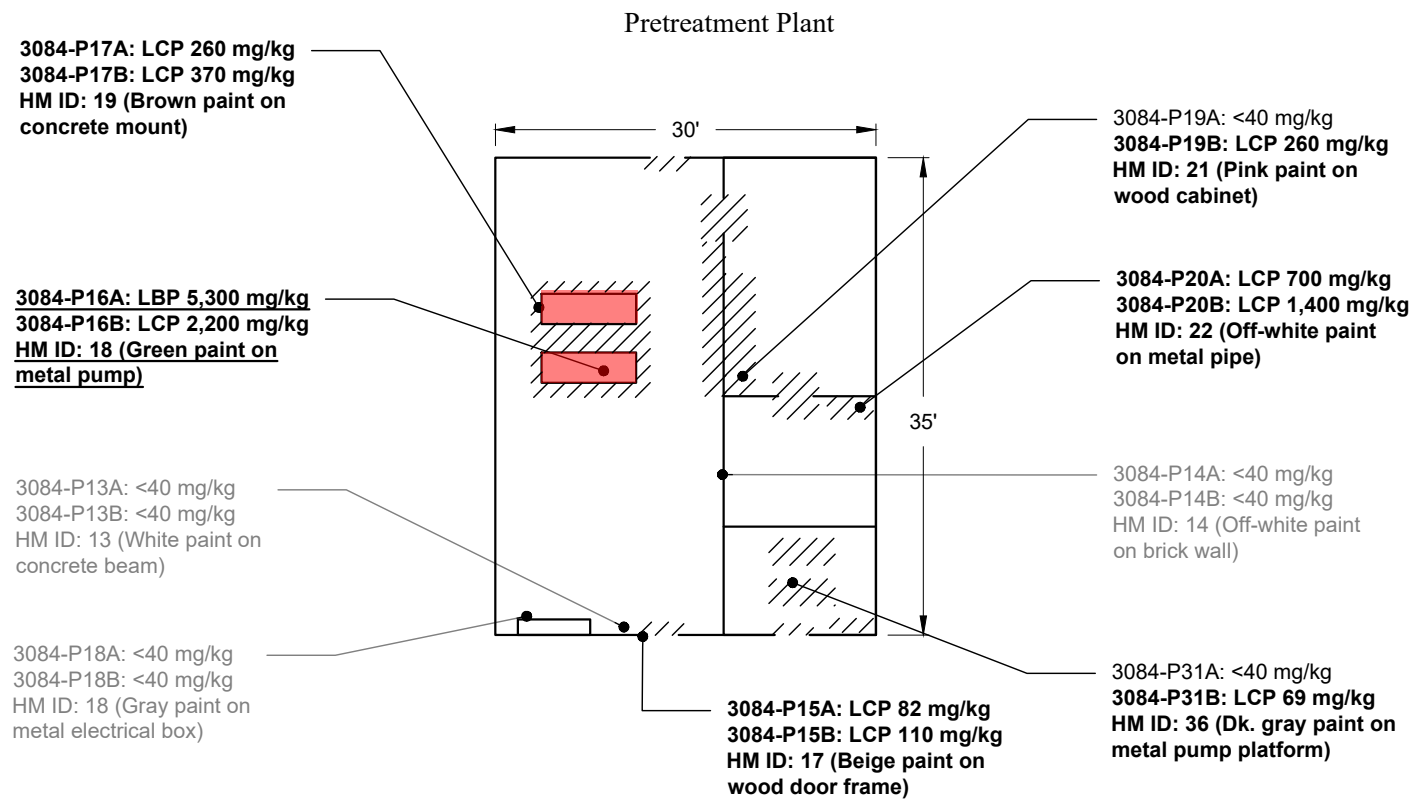
Asbestos Sample and Hazardous Material Locations
 Animal Quarantine Station Site
 Pretreatment Plant Interior and Exterior

Sheet Number

C - 5

HM ID	Location	Color	Substrate	Result (mg/kg)
17	Doors, door frames, window slats	Beige	Wood	LCP 82 - 110
18	Pipes, pumps	Green	Metal	LBP 2,200 - 5,300
19	Mounts	Brown	Concrete	LCP 260 - 370

HM ID	Location	Color	Substrate	Result (mg/kg)
21	Cabinets	Pink	Wood	LCP <40 - 260
22	Conduit, pipe	Off-white	Metal	LCP 700 - 1,400
36	Pump platform	Dk. gray		LCP <40 - 69



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Lead-Containing Paint

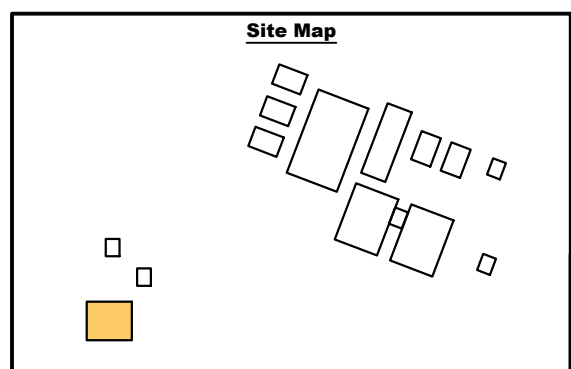
Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint $\geq 5,000$ mg/kg

LCP - Lead-Containing Paint $< 5,000$ mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)



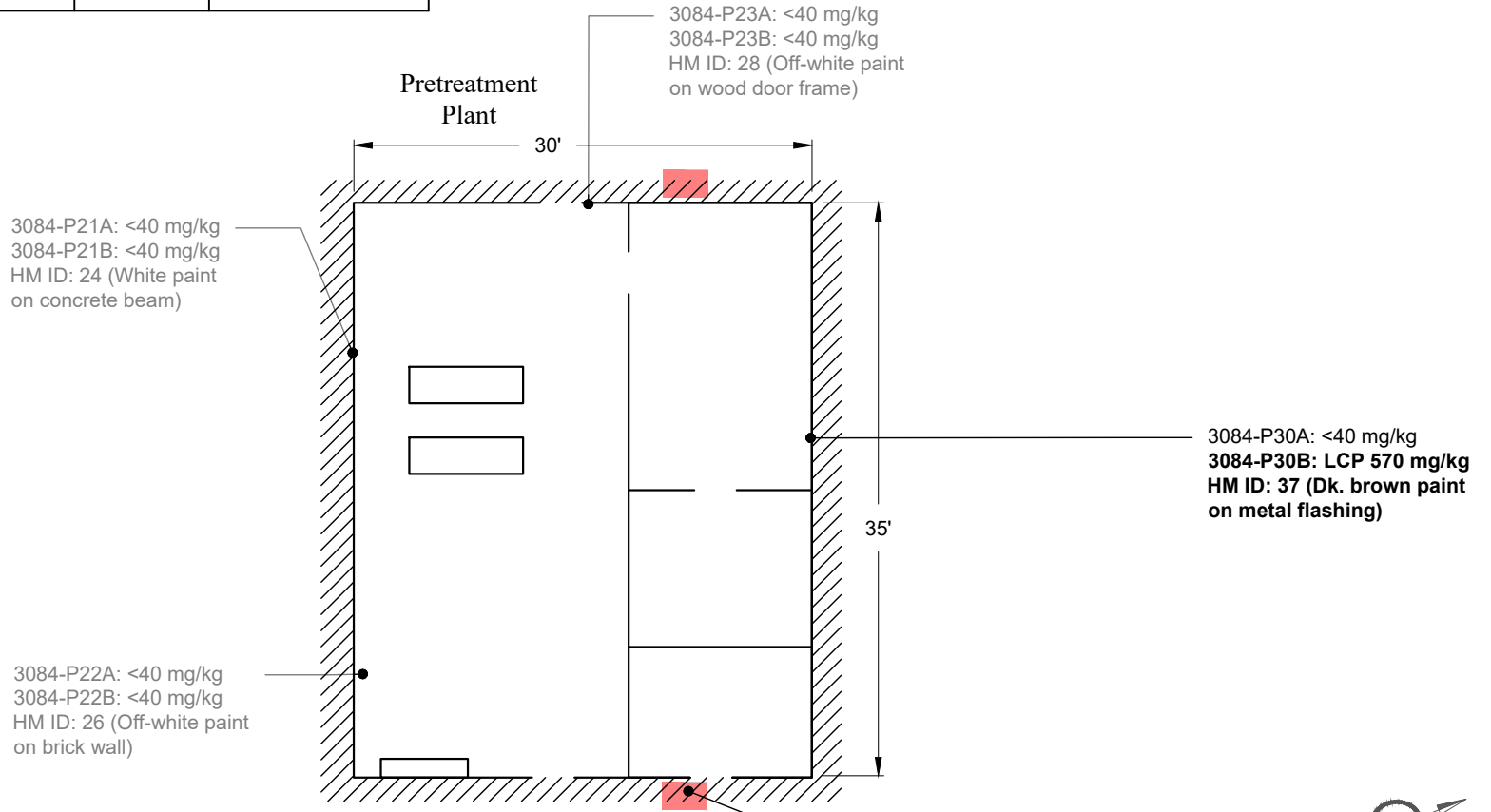
Myounghee Noh &
Associates, L.L.C.

Lead Sample and Hazardous
Material Locations
Animal Quarantine Station Site
Pretreatment Plant Interior

Sheet Number

C - 6

HM ID	Location	Color	Substrate	Result (mg/kg)
29	Pipes	Off-white	Metal	LBP 3,600 - 53,000
37	Flashing	Dk. brown		LCP <40 - 570



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Lead-Containing Paint

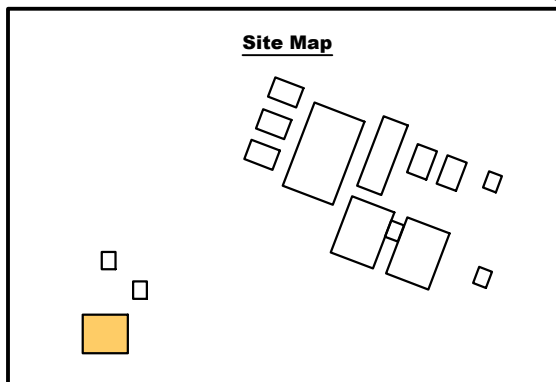
Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint \geq 5,000 mg/kg

LCP - Lead-Containing Paint < 5,000 mg/kg

mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)



3084-P24A: LCP 3,600 mg/kg
3084-P24B: LCP 52,000 mg/kg
HM ID: 29 (Off-white paint on metal pipe)

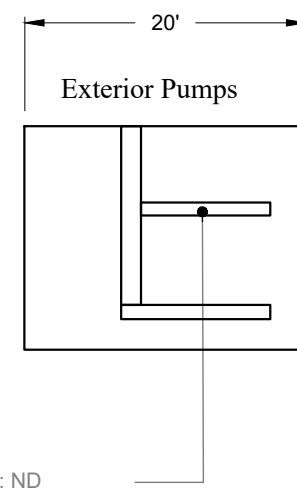
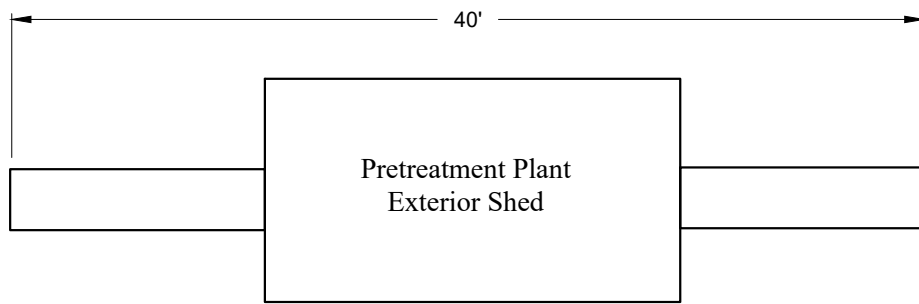


Myounghee Noh & Associates, L.L.C.

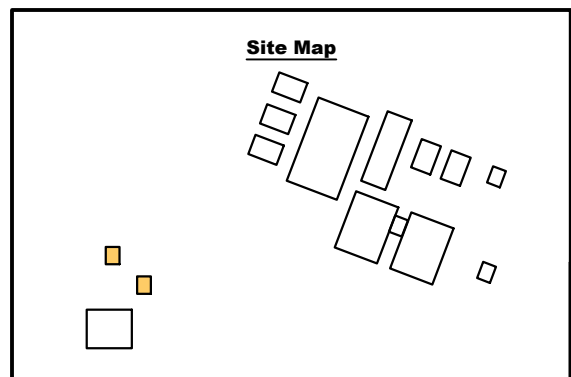
Lead Sample and Hazardous Material Locations
Animal Quarantine Station Site
Pretreatment Plant Exterior

Sheet Number

C - 7



3084-A7A: ND
 3084-A7B: ND
 3084-A7C: ND
 HM ID: 30 (Lt. green
 gasket on metal valve)



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 Associates, L.L.C.

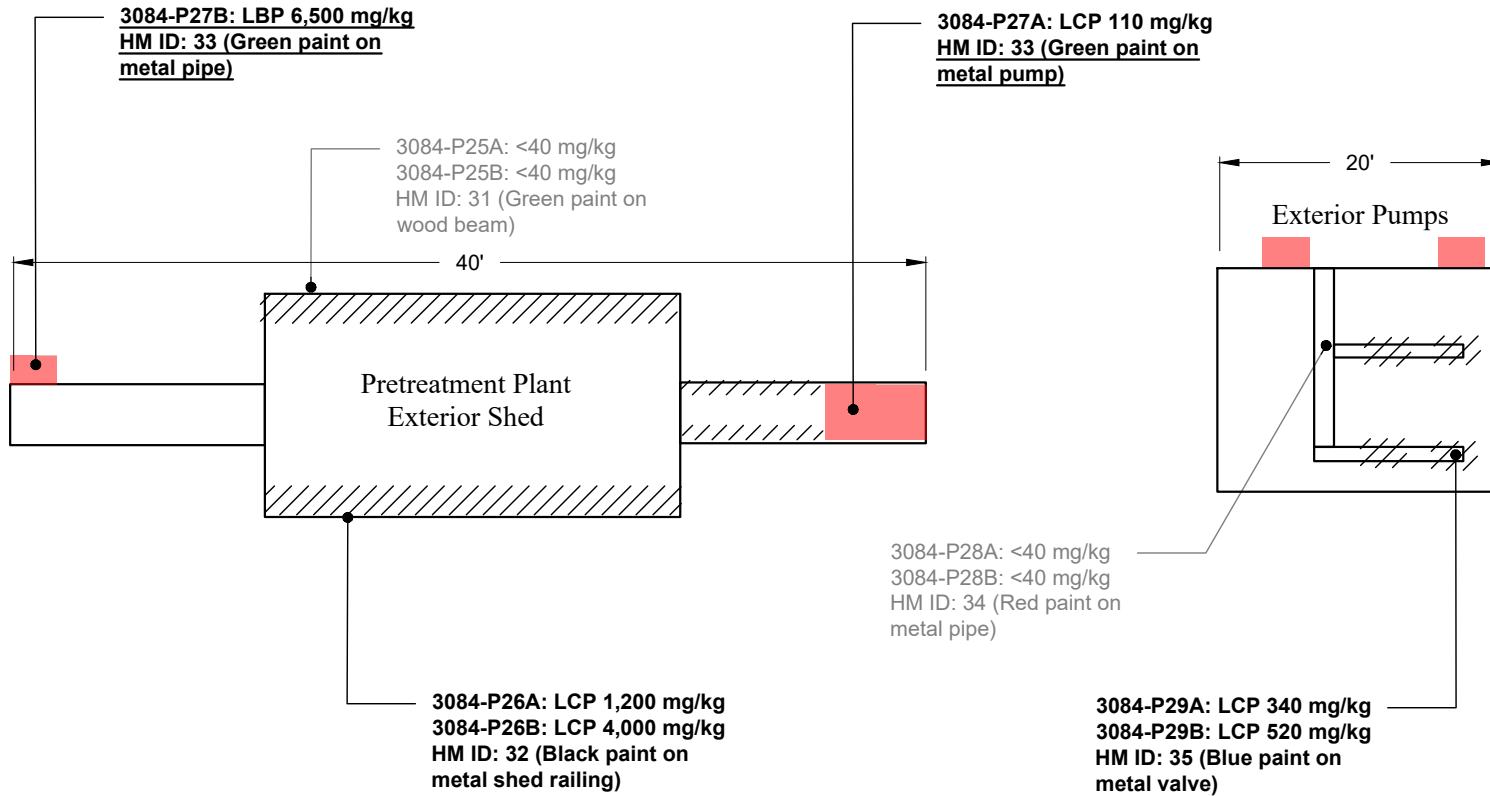
Asbestos Sample Locations
 Animal Quarantine Station Site
 Pretreatment Plant Exterior Shed and
 Pump Area

Sheet Number
 C - 8

Legend and Notes

HM ID - Homogeneous Material Identifier
 ND - None Detected

HM ID	Location	Color	Substrate	Result (mg/kg)
32	Shed railings	Black	Metal	LCP 1,200 - 4,000
33	Pipe, pumps	Green		LBP 110 - 6,500
35	Valves	Blue		LCP 340 - 520



Legend and Notes

Visual Extent of Lead-Based Paint

Visual Extent of Lead-Containing Paint

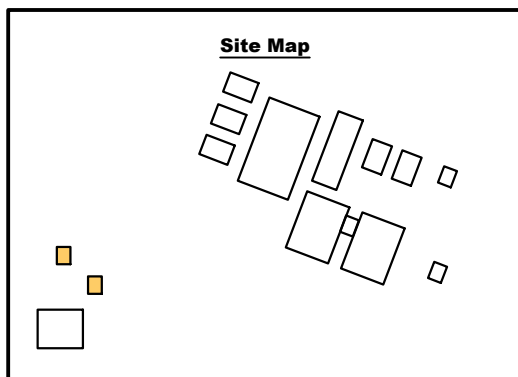
Bold values indicate results above the detection limit.

HM ID - Hazardous Material Identifier

LBP - Lead-Based Paint $\geq 5,000$ mg/kg

LCP - Lead-Containing Paint < 5,000 mg/kg

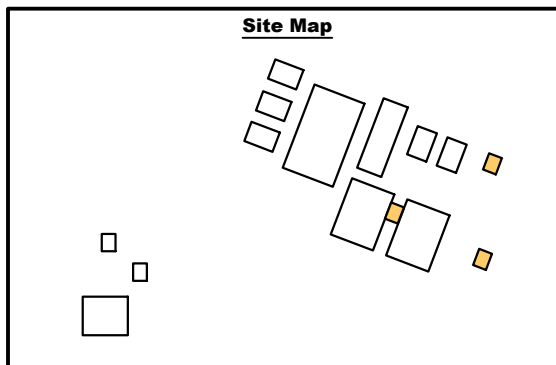
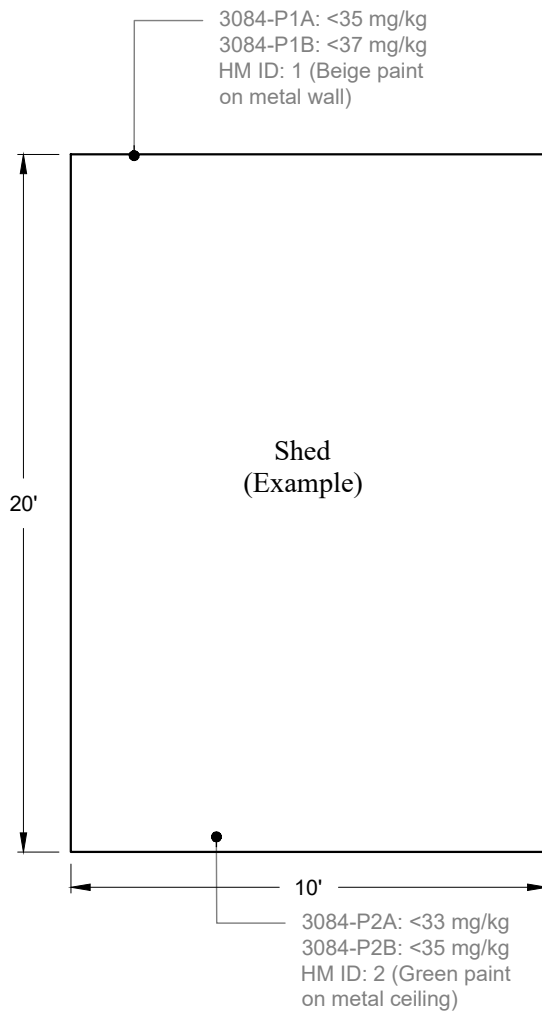
mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)



Myounghee Noh & Associates, L.L.C.

Lead Sample and Hazardous Material Locations
Animal Quarantine Station Site
Pretreatment Plant Exterior Shed and Pump Area

Sheet Number
C - 9



Myounghee Noh &
Associates, L.L.C.

Legend and Notes

HM ID - Hazardous Material Identifier
mg/kg - milligrams per kilogram (equivalent to ppm- parts per million)

Lead Sample Locations
Animal Quarantine Station Site
Sheds

Sheet Number
C - 10

APPENDIX D: PHOTOGRAPHS



HM ID: 1
Sheds

Exterior
Beige paint on metal wall.

Non-LCP
3048-P1A: <37 mg/kg
3048-P1B: <35 mg/kg



HM ID: 2
Sheds

Exterior
Green paint on metal ceiling/roof underside.

Non-LCP
3048-P2A: <35 mg/kg
3048-P2B: <33 mg/kg



HM ID: 3
Large Canopies

Exterior
Beige paint on metal beam.

LCP
3048-P3A: <39 mg/kg
3048-P3B: 39 mg/kg



HM ID: 4
Large Canopies

Exterior
Green paint on metal ceiling/roof underside.

LCP
3048-P4A: <36 mg/kg
3048-P4B: 95 mg/kg



HM ID: 5
Canopies

Exterior
Beige paint on metal beam.

Non-LCP
3048-P5A: <39 mg/kg
3048-P5B: <38 mg/kg



HM ID: 6
Canopies

Exterior
Green paint on metal ceiling/roof underside.

Non-LCP
3048-P6A: <36 mg/kg
3048-P6B: <35 mg/kg



HM ID: 7
Kennel

Interior
Green paint on wood wall.

Non-LCP

3048-P7A: <40 mg/kg

3048-P7B: <40 mg/kg



HM ID: 8
Kennel

Interior
Green paint on metal ceiling/roof underside.

Non-LCP

3048-P8A: <37 mg/kg

3048-P8B: <40 mg/kg



HM ID: 9
Kennel

Interior
Beige paint on metal beam.

LCP

3048-P9A: <36 mg/kg

3048-P9B: 55 mg/kg



HM ID: 10
Kennel

Exterior
Beige paint on metal roof.

LCP

3048-P10A: 44 mg/kg

3048-P10B: <33 mg/kg



HM ID: 11
Large Canopies

Exterior
Green paint on wood wall.

Non-LCP

3048-P11A: <40 mg/kg

3048-P11B: <40 mg/kg



HM ID: 12
Large Canopies

Exterior
Gray paint on wood wall.

Non-LCP

3048-P12A: <40 mg/kg

3048-P12B: <40 mg/kg



HM ID: 13
Pre-Treatment Plant

Interior
White paint on concrete ceiling.

Non-LCP
3048-P13A: <40 mg/kg
3048-P13B: <40 mg/kg



HM ID: 14
Pre-Treatment Plant

Interior
White textured paint and skim coat on concrete ceiling.

Non-ACM
3048-A1A-Textured paint: ND
3048-A1A-Skim coat: ND
3048-A1B-Textured paint: ND
3048-A1B-Skim coat: ND
3048-A1C-Textured paint: ND
3048-A1C-Skim coat: ND



HM ID: 15
Pre-Treatment Plant

Interior
Off-white paint on brick wall.

Non-LCP
3048-P14A: <40 mg/kg
3048-P14B: <40 mg/kg



HM ID: 16
Pre-Treatment Plant

Interior
Off-white textured paint and skim coat on brick wall.

Non-ACM

3048-A2A-Paint/skim coat: ND
3048-A2B-Paint/skim coat: ND
3048-A2C-Textured Paint/skim coat: ND



HM ID: 17
Pre-Treatment Plant

Interior
Beige paint on wood door.

LCP

3048-P15A: 110 mg/kg
3048-P15B: 82 mg/kg

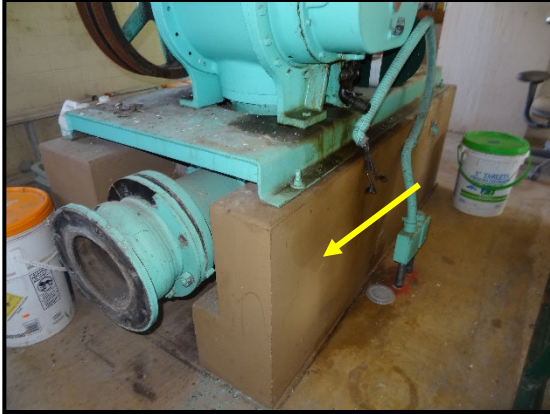


HM ID: 18
Pre-Treatment Plant

Interior
Green paint on metal pump.

LBP

3048-P16A: 5,300 mg/kg
3048-P16B: 2,200 mg/kg



HM ID: 19
Pre-Treatment Plant

Interior
Brown paint on concrete mount.

LCP
3048-P17A: 370 mg/kg
3048-P17B: 260 mg/kg



HM ID: 20
Pre-Treatment Plant

Interior
Gray paint on metal electrical box.

Non-LCP
3048-P18A: <40 mg/kg
3048-P18B: <40 mg/kg



HM ID: 21
Pre-Treatment Plant

Interior
Pink paint on wood cabinet.

LCP
3048-P19A: <40 mg/kg
3048-P19B: 260 mg/kg



HM ID: 22
Pre-Treatment Plant

Interior
Off-white paint on metal pipe.

LCP
3048-P20A: 1,400 mg/kg
3048-P20B: 700 mg/kg



HM ID: 23
Pre-Treatment Plant

Interior
White caulking metal window frame.

ACM
3048-A3A: 3% Chrysotile
3048-A3B: Stop positive
3048-A3C: Stop positive



HM ID: 24
Pre-Treatment Plant

Exterior
White paint on concrete eave.

Non-LCP
3048-P21A: <40 mg/kg
3048-P21B: <40 mg/kg



HM ID: 25
Pre-Treatment Plant

Exterior
White paint and skim coat on concrete eave.

Non-ACM

- 3048-A5A-Paint: ND
- 3048-A5A-Skim coat: ND
- 3048-A5B-Paint: ND
- 3048-A5B-Skim coat: ND
- 3048-A5C-Paint: ND
- 3048-A5C-Skim coat: ND



HM ID: 26
Pre-Treatment Plant

Exterior
Off-white paint on brick wall.

Non-LCP

- 3048-P22A: <40 mg/kg
- 3048-P22B: <40 mg/kg



HM ID: 27
Pre-Treatment Plant

Exterior
Off-white paint and skim coat on brick wall.

Non-ACM

- 3048-A6A-Paint: ND
- 3048-A6A-Skim coat: ND
- 3048-A6B-Paint: ND
- 3048-A6B-Skim coat: ND
- 3048-A6C-Paint: ND
- 3048-A6C-Skim coat: ND



HM ID: 28
Pre-Treatment Plant

Exterior
Off-white paint on wood door frame.

Non-LCP
3048-P23A: <40 mg/kg
3048-P23B: <40 mg/kg



HM ID: 29
Pre-Treatment Plant

Exterior
Off-white paint on metal pipe.

LBP
3048-P24A: 53,000 mg/kg
3048-P24B: 3,600 mg/kg



HM ID: 30
Pre-Treatment Plant

Exterior
Light green gasket on metal valve.

Non-ACM
3048-A7A: ND
3048-A7B: ND
3048-A7C: ND



HM ID: 31
Pre-Treatment Plant

Shed
Green paint on wood post.

Non-LCP
3048-P25A: <40 mg/kg
3048-P25B: <40 mg/kg



HM ID: 32
Pre-Treatment Plant

Shed
Black paint on metal railing.

LCP
3048-P26A: 4,000 mg/kg
3048-P26B: 1,200 mg/kg



HM ID: 33
Pre-Treatment Plant

Shed
Green paint on metal pump.

LBP
3048-P27A: 6,500 mg/kg
3048-P27B: 110 mg/kg



HM ID: 34
Pre-Treatment Plant

Exterior
Red paint on metal pipe.

Non-LCP
3048-P28A: <40 mg/kg
3048-P28B: <40 mg/kg



HM ID: 35
Pre-Treatment Plant

Exterior
Blue paint on metal valve.

LCP
3048-P29A: 520 mg/kg
3048-P29B: 340 mg/kg



HM ID: 36
Pre-Treatment Plant

Interior
Dark gray paint on metal pump platform.

LCP
3048-P31A: 69 mg/kg
3048-P31B: <40 mg/kg



HM ID: 37
Pre-Treatment Plant

Exterior
Dark brown paint on metal flashing.

LCP
3048-P30A: 570 mg/kg
3048-P30B: <40 mg/kg



HM ID: 38
Pre-Treatment Plant

Exterior
Black built-up roofing on concrete roofing system.

Non-ACM
3048-A8A: ND
3048-A8B: ND
3048-A8C: ND

APPENDIX E: LABORATORY ANALYTICAL REPORTS



LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order: 322112855

Customer ID: 32MYOU50

Customer PO:

Project ID:

Attention: Danny Falanug
Myounghee Noh & Associates, LLC
99-1046 Iwaena Street
Suite 210A
Aiea, HI 96701

Phone: (808) 484-9214

Fax:

Received Date: 07/14/2021 10:00 AM

Analysis Date: 07/19/2021

Collected Date: 07/09/2021

Project: 3048_2 / Animal Quarantine Station

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3048-A1A-Texture Paint <small>322112855-0001</small>	14 - White (W), P/SC, concrete (CC)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A1A-Skim Coat <small>322112855-0001A</small>	14 - White (W), P/SC, concrete (CC)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A1B-Texture Paint <small>322112855-0002</small>	14 - White (W), P/SC, concrete (CC)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A1B-Skim Coat <small>322112855-0002A</small>	14 - White (W), P/SC, concrete (CC)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A1C-Texture Paint <small>322112855-0003</small>	14 - White (W), P/SC, concrete (CC)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A1C-Skim Coat <small>322112855-0003A</small>	14 - White (W), P/SC, concrete (CC)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A2A-Paint/Skim Coat <small>322112855-0004</small> <i>Unable to separate</i>	16 - O/W, P/SC, concrete bricks	White/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
3048-A2B-Paint/Skim Coat <small>322112855-0005</small> <i>Unable to separate</i>	16 - O/W, P/SC, concrete bricks	White/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
3048-A2C-Texture Paint/Skim Coat <small>322112855-0006</small> <i>Unable to separate</i>	16 - O/W, P/SC, concrete bricks	White/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
3048-A3A <small>322112855-0007</small>	23 - W, caulking, metal (M)	Gray/Beige Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
3048-A3B <small>322112855-0008</small>	23 - W, caulking, metal (M)				Positive Stop (Not Analyzed)
3048-A3C <small>322112855-0009</small>	23 - W, caulking, metal (M)				Positive Stop (Not Analyzed)
3048-A5A-Paint <small>322112855-0010</small>	25 - W, P/SC, CC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A5A-Skim Coat <small>322112855-0010A</small>	25 - W, P/SC, CC	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 07/19/2021 09:38:59



LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / pasadenalab@latesting.com

LA Testing Order: 322112855

Customer ID: 32MYOU50

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3048-A5B-Paint <small>322112855-0011</small>	25 - W, P/SC, CC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A5B-Skim Coat <small>322112855-0011A</small>	25 - W, P/SC, CC	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A5C-Paint <small>322112855-0012</small>	25 - W, P/SC, CC	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A5C-Skim Coat <small>322112855-0012A</small>	25 - W, P/SC, CC	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6A-Paint <small>322112855-0013</small>	27 - O/W, P/SC, concrete bricks	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6A-Skim Coat <small>322112855-0013A</small>	27 - O/W, P/SC, concrete bricks	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6B-Paint <small>322112855-0014</small>	27 - O/W, P/SC, concrete bricks	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6B-Skim Coat <small>322112855-0014A</small>	27 - O/W, P/SC, concrete bricks	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6C-Paint <small>322112855-0015</small>	27 - O/W, P/SC, concrete bricks	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A6C-Skim Coat <small>322112855-0015A</small>	27 - O/W, P/SC, concrete bricks	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A7A <small>322112855-0016</small>	30 - Lt. green, gasket, M	Green Non-Fibrous Homogeneous	5% Cellulose 5% Synthetic	90% Non-fibrous (Other)	None Detected
3048-A7B <small>322112855-0017</small>	30 - Lt. green, gasket, M	Green Non-Fibrous Homogeneous	5% Cellulose 5% Synthetic	90% Non-fibrous (Other)	None Detected
3048-A7C <small>322112855-0018</small>	30 - Lt. green, gasket, M	Green Fibrous Homogeneous	5% Cellulose 5% Synthetic	90% Non-fibrous (Other)	None Detected
3048-A8A <small>322112855-0019</small>	38 - Black, bur, CC	Brown/Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A8B <small>322112855-0020</small>	38 - Black, bur, CC	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3048-A8C <small>322112855-0021</small>	38 - Black, bur, CC	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



LA Testing

520 Mission Street South Pasadena, CA 91030

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<http://www.LATesting.com> / pasadenalab@lateesting.com

LA Testing Order: 322112855

Customer ID: 32MYOU50

Customer PO:

Project ID:

Analyst(s)

Joel Paruli (9)

Tania Lopez (19)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This 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. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 07/19/2021 09:38:59



Asbestos Chain of Custody
LA Testing Order Number (Lab Use Only):

#322112855

PHONE: ()

FAX: ()

Company : Myounghee Noh & Associates, L.L.C.		EMSL Customer ID: 32MYOU50	
Street: 99-1046 Iwaena Street, Suite 201A		City: Aiea	State/Province: Hawaii
Zip/Postal Code: 96701	Country: USA	Telephone #: (808) 853-3152	Fax #:
Report To (Name): <i>Danny Falanug</i>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: <i>danny@noh-associates.com</i>		Purchase Order: <i>03048_2</i>	
Project Name/Number:		Connecticut Samples: <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential	
U.S. State Samples Taken: <i>Hawaii</i>		EMSL Project ID (Internal Use Only):	

LA Testing-Bill to: Same Different - If Bill to is Different note instructions in Comments**
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.

<p>PCM - Air <input type="checkbox"/> Check if samples are from NY</p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> w/ OSHA 8hr. TWA</p> <p>PLM - Bulk (reporting limit)</p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)</p> <p><input type="checkbox"/> PLM EPA NOB (<1%)</p> <p>Point Count</p> <p><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p>Point Count w/Gravimetric</p> <p><input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)</p> <p><input type="checkbox"/> NYS 198.1 (friable in NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> NYS 198.8 SOF-V</p> <p><input type="checkbox"/> NIOSH 9002 (<1%)</p>	<p>TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only)</p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312</p> <p>TEM - Bulk</p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (non-friable-NY)</p> <p><input type="checkbox"/> Chatfield SOP</p> <p><input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5</p> <p>TEM - Water: EPA 100.2</p> <p>Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p> <p>All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking</p>	<p>TEM- Dust</p> <p><input type="checkbox"/> Microvac - ASTM D 5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)</p> <p>Soil/Rock/Vermiculite</p> <p><input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)</p> <p><input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity)</p> <p><input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity)</p> <p><input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity)</p> <p><input type="checkbox"/> EPA Protocol (Semi-Quantitative)</p> <p><input type="checkbox"/> EPA Protocol (Quantitative)</p> <p>Other:</p> <p><input type="checkbox"/></p>
---	--	---

Check For Positive Stop - Clearly Identify Homogenous Group | **Filter Pore Size (Air Samples):** 0.8µm 0.45µm

Samplers Name: *Kealohi Sarrao, Danny Falanug, Joanna Boyette* | **Samplers Signature:** *Danny Falanug, Kealohi Sarrao*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
3048-A1A	Please see field forms	Bulk	07/09/21
↓ -A1B	↓	↓	↓
↓ -A1C	↓	↓	↓
3048-A2A	↓	↓	↓
↓ -A2B	↓	↓	↓
↓ -A2C	↓	↓	↓

Client Sample # (s): -	Total # of Samples:
Relinquished (Client): <i>Danny Falanug</i> Date: <i>07/12/21</i>	Time: <i>1600</i>
Received (Lab): <i>J. Tote</i> Date: <i>7/14/21</i>	Time: <i>1000 AM</i>
Comments/Special Instructions: <i>SKIPPED SAMPLE # 3048-A1A, B, C. Please see field forms. Positive Stop analysis. (FE-E)</i>	



Asbestos Chain of Custody
LA Testing Order Number (Lab Use Only):

#322112855

PHONE: ()
 FAX: ()

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
3048-A3A	Please See field forms	Bulk	07/09/21
-A3B	↓	↓	↓
√ -A3C			
3048-A5A			
-A5B			
√ -A5C			
3048-A6A			
-A6B			
√ -A6C			
3048-A7A			
A7B			
√ A7C			
3048-A8A			
-A8B			
√ -A8C			
*Comments/Special Instructions: positive Stop analysis			

#322112855

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. ft or L. ft	Hatch Color
									Type		
14	Pre-Treatment Plant (PTP)	1	Interior	Ceiling, beams	White (w)	P/SC	Concrete (CC)	G F (P)	Y (N) TSI S (M)	800	
Sample ID		Room Sampled		Sample Location		PIC ID		Notes			
3048-A 1 A		Interior		Beam		75					
3048-A 1 B		↓		↓							
3048-A 1 C											
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. ft or L. ft	Hatch Color
									Type		
16	PTP	1	Interior	walls	o/w	P/SC	Concrete bricks	G (F) P	Y (N) TSI S (M)	2,000	
Sample ID		Room Sampled		Sample Location		PIC ID		Notes			
3048-A 2 A		Interior		wall		76					
3048-A 2 B		↓		↓							
3048-A 2 C											
HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. ft or L. ft	Hatch Color
									Type		
23	PTP	1	Interior	Window frames, door frame.	w	Caulking	Metal (M)	G (F) P	Y (N) TSI S (M)	60	XX
Sample ID		Room Sampled		Sample Location		PIC ID		Notes			
3048-A 3 A		Interior		Window frame		78					
3048-A 3 B		↓		↓							
3048-A 3 C											

Page 3 of 5

OrderID: 322112855

#322112855

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. Ft or L. ft	Hatch Color
									Type		
PTP	1	Interior	Sink	Black Coating	M	G F P	Y	(N)	10	(M)	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A 4 A	/	/	83	NO coating on the sinks.
3048-A 4 B	/	/		
3048-A 4 C	/	/		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. Ft or L. ft	Hatch Color
									Type		
25	PTP	1	Exterior	Eaves, beams	W	P/SC	CC	G F P	Y	500	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A 5 A	Exterior	Beams	86	
3048-A 5 B	↓	↓		
3048-A 5 C	↓	↓		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM	Area Sq. Ft or L. ft	Hatch Color
									Type		
27	PTP	1	Exterior	Walls	O/W	P/SC	Concrete bricks	G F P	Y	1,100	~~~~~

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A 6 A	Exterior	Wall	87	
3048-A 6 B	↓	↓		
3048-A 6 C	↓	↓		

Page 4 of 5

OrderID: 322112855

#322112855

Hazardous Homogeneous Materials and Sampling Survey Field Form: Asbestos

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS

Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
									Y N		
30	PTP	1	Exterior	Valves	Lt. Green	Gasket	M	G F P	Y N TSI S M	40	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A 7 A	Exterior ↓	Valves ↓	97	
3048-A 7 B				
3048-A 7 C				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
									Y N		
38	PTP	B	Exterior	Roofing System	Black	BUR	CC	G F P	Y N TSI S M	900	

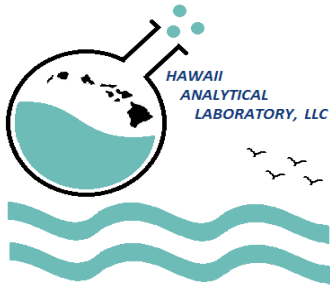
Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A 8 A	Exterior ↓	Roofing System ↓	98	
3048-A 8 B				
3048-A 8 C				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Friable ACM Type	Area Sq. ft or L. ft	Hatch Color
									Y N		
								G F P	Y N TSI S M		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-A A				
3048-A B				
3048-A C				

Page 5 of 5

OrderID: 322112855



Hawaii Analytical Laboratory ANALYTICAL REPORT

Friday, July 16, 2021

Ms. Myounghee Noh
Myounghee Noh & Associates, LLC
99-1046 Iwaena St. Suite 210A
Aiea HI 96701

Phone Number: (808)484-9214
Facsimile:
Email: myounghee@noh-associates.com

Lab Job No: 202106591
Date Submitted: 7/13/2021
Your Project: 3048_2, Animal Quarantine Station, 7/9/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140423	3048-P1A	< 37	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140424	3048-P1B	< 35	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140425	3048-P2A	< 35	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140426	3048-P2B	< 33	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140427	3048-P3A	< 39	mg/kg	7/15/2021
Comments				
202140428	3048-P3B	39	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140429	3048-P4A	< 36	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140430	3048-P4B	95	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			

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Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140431	3048-P5A	< 39	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140432	3048-P5B	< 38	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140433	3048-P6A	< 36	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140434	3048-P6B	< 35	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140435	3048-P7A	< 40	mg/kg	7/15/2021
Comments				
202140436	3048-P7B	< 40	mg/kg	7/15/2021
Comments				
202140437	3048-P8A	< 37	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140438	3048-P8B	< 40	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140439	3048-P9A	< 36	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140440	3048-P9B	55	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140441	3048-P10A	44	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			

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Your Project: 3048_2, Animal Quarantine Station, 7/9/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140442	3048-P10B	< 33	mg/kg	7/15/2021
Comments	Sample limited (<0.25g), final volume was adjusted to meet client's requested DL.			
202140443	3048-P11A	< 40	mg/kg	7/15/2021
Comments				
202140444	3048-P11B	< 40	mg/kg	7/15/2021
Comments				
202140445	3048-P12A	< 40	mg/kg	7/15/2021
Comments				
202140446	3048-P12B	< 40	mg/kg	7/15/2021
Comments				
202140447	3048-P13A	< 40	mg/kg	7/15/2021
Comments				
202140448	3048-P13B	< 40	mg/kg	7/15/2021
Comments				
202140449	3048-P14A	< 40	mg/kg	7/15/2021
Comments				
202140450	3048-P14B	< 40	mg/kg	7/15/2021
Comments				
202140451	3048-P15A	110	mg/kg	7/15/2021
Comments				
202140452	3048-P15B	82	mg/kg	7/15/2021
Comments				

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Lab Job No: 202106591
Date Submitted: 7/13/2021
Your Project: 3048_2, Animal Quarantine Station, 7/9/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140453	3048-P16A	5300	mg/kg	7/15/2021
Comments				
202140454	3048-P16B	2200	mg/kg	7/15/2021
Comments				
202140455	3048-P17A	370	mg/kg	7/15/2021
Comments				
202140456	3048-P17B	260	mg/kg	7/15/2021
Comments				
202140457	3048-P18A	< 40	mg/kg	7/15/2021
Comments				
202140458	3048-P18B	< 40	mg/kg	7/15/2021
Comments				
202140459	3048-P19A	< 40	mg/kg	7/15/2021
Comments				
202140460	3048-P19B	260	mg/kg	7/15/2021
Comments				
202140461	3048-P20A	1400	mg/kg	7/15/2021
Comments				
202140462	3048-P20B	700	mg/kg	7/15/2021
Comments				
202140463	3048-P21A	< 40	mg/kg	7/15/2021
Comments				

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Lab Job No: 202106591
Date Submitted: 7/13/2021
Your Project: 3048_2, Animal Quarantine Station, 7/9/21

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140464	3048-P21B	< 40	mg/kg	7/15/2021
Comments				
202140465	3048-P22A	< 40	mg/kg	7/15/2021
Comments				
202140466	3048-P22B	< 40	mg/kg	7/15/2021
Comments				
202140467	3048-P23A	< 40	mg/kg	7/15/2021
Comments				
202140468	3048-P23B	< 40	mg/kg	7/15/2021
Comments				
202140469	3048-P24A	53000	mg/kg	7/15/2021
Comments				
202140470	3048-P24B	3600	mg/kg	7/15/2021
Comments				
202140471	3048-P25A	< 40	mg/kg	7/15/2021
Comments				
202140472	3048-P25B	< 40	mg/kg	7/15/2021
Comments				
202140473	3048-P26A	4000	mg/kg	7/15/2021
Comments				
202140474	3048-P26B	1200	mg/kg	7/15/2021
Comments				

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Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

Sample No.	Your Sample ID / Description	Results	Units	Date Analyzed
202140475	3048-P27A	6500	mg/kg	7/15/2021
Comments				
202140476	3048-P27B	110	mg/kg	7/15/2021
Comments				
202140477	3048-P28A	< 40	mg/kg	7/15/2021
Comments				
202140478	3048-P28B	< 40	mg/kg	7/15/2021
Comments				
202140479	3048-P29A	520	mg/kg	7/15/2021
Comments				
202140480	3048-P29B	340	mg/kg	7/15/2021
Comments				
202140481	3048-P30A	570	mg/kg	7/16/2021
Comments Due to sample heterogeneity, the sample Relative Percent Difference (RPD) was outside our statistical limits.				
202140482	3048-P30B	< 40	mg/kg	7/16/2021
Comments				
202140483	3048-P31A	69	mg/kg	7/16/2021
Comments				
202140484	3048-P31B	< 40	mg/kg	7/16/2021
Comments				

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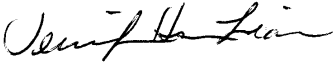
All Quality Control data are acceptable unless otherwise noted.
MRL for lead air is 5ug.
MRL for lead wipe is 10ug.
MRL for lead paint or soil is 40 mg/kg for a 0.25g sample.

General Comments

The sample[s] analysis subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. All analysts participate in interlaboratory quality control testing to continuously document proficiency. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. This report should not be construed as an endorsement for a product or a service by the AIHA LAP, LLC or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. TWA values have been calculated based on information supplied by the client that the laboratory has not independently verified. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

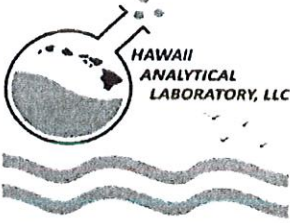
Results and Symbols Definitions

> This testing result is greater than the numerical value listed.
< This testing result is less than the numerical value listed.
= Analytical methods marked with an "#" are not within our AIHA LAP, LLC Scope of Accreditation.
MRL = Method Reporting Limit.



Jennifer Hsu Liao
Laboratory Manager

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3615 Harding Avenue, Suite 308
 Honolulu, HI 96816
 Ph: 808-735-0422 - Fax: 808-735-0047
 www.analyzehawaii.com

New Client?

Report To* : Danny Falanug
 Company : Myounghee Noh & Associates, L.L.C.
 Address* : 99-1046 Iwaena Street, Suite 210A
 Aiea, Hawaii 96701
 Phone / Cell No.* : Office: 808-484-9214 Cell: 808-227-7730
 Report results to : Danny Falanug - danny@noh-associates.com
 Email / Fax :

Invoice To* : Myounghee Noh & Associates, L.L.C.
 Company : Same
 Address* : 99-1046 Iwaena Street, Suite 210A
 Aiea, Hawaii 96701
 Phone / Cell No.* : Office: (808) 484-9214
 Purchase Order No. : 03048_2
 Email Invoice To : Kealohi Serrao- Kealohi@noh-associates.com

Need Results By*:

- 5 Working Days (WD)
- 4 WD
- 3 WD
- 2 WD
- 24 hours
- 6 hours or less
- 4 hours or less
- 1-2 hours

Site/Project Name: *Animal Quarantine Station*

Client Project No.: *3048_2*

Verbal results?

Sampled By & Certif. # :
 Danny Falanug (PB-0661)

Special Instructions: *warning sharp pieces of metals.*
 Please see field forms and results down to 40mg/kg.

PLM POSITIVE STOP Instructions:

- + stop / SAMPLE
- + stop / LAYER

Lab Report No.:

202106591

Lab Sample(s) No.:

Sample ID	Sample Description*	Date Sampled* (mm/dd/yy)	Collection Medium	Sample Area / Air Volume	Analysis Requested*	Method Reference	Lab Sample(s) No.:
1 3048-PIA	<i>Please see field forms</i>	<i>07/09/21</i>	<i>Paint Chips</i>	<i>----</i>	<i>Pb Lead</i>	<i>NIOSH 7082m</i>	
2 -PIB							
3							
4							
5							
6							
7							
8							
9							
10							
11 3048-P31A							
12 -P31B							
Relinquished By (Print and Sign)		Date/Time		Received By (Print and Sign)		Date/Time	
<i>Danny Falanug, Danny Falanug</i>		<i>07/12/21, 1600</i>		<i>Corin Forrest</i>		<i>07-13-21 P01:07-MI</i>	

*Sample description can be paint chips, concrete, specific sample collection location, etc...
 If matrix is 'soil', please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the comment section.
 All samples submitted are subject to Hawaii Analytical Laboratory terms and conditions.
 *Required fields, failure to complete these fields may result in a delay in your samples being processed.

via HAC via USPS via drop box via FedEx via pick up
 awb#: 173-.....

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
1	shed 2 shed 1 shed 3	1	Exterior	wall, roof, doors	beige	P	M	G/F P	1,000	
Sample ID		Room Sampled		Sample Location		PIC ID	Notes			
3048-P 1 A		Exterior		wall 20214^423		59				
3048-P 1 B		↓		Roof 20214^424						
2	shed 2 Shed 1 Shed 3	1	Exterior	ceiling, walls	green	P	M	G/F P	1,000	///
Sample ID		Room Sampled		Sample Location		PIC ID	Notes			
3048-P 2 A		Exterior		ceiling 202140425		60	Roofing underside			
3048-P 2 B		↓		wall 202140426						
3	canopy 5 canopy 1 canopy 6	1	Exterior	beams, purlins, roof wall	beige	P	M	G/F P	7,000	///
Sample ID		Room Sampled		Sample Location		PIC ID	Notes			
3048-P 3 A		Exterior		Roof 202140427		63				
3048-P 3 B		Exterior		Beam 202140428						

06591

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
4	Canopy 5 Canopy 2	1	exterior	ceiling ceiling	green	P	M	G F P	6,500	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 4 A	exterior	Ceiling 202140429	63	Roofing underside
3048-P 4 B	exterior	ceiling 202140430		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
5	canopy 3 canopy 4 canopy 1 7, 8, 9	1	exterior	beams, joists, roof	beige	P	M	G F P	700	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 5 A	exterior	Roof 202140431	65	
3048-P 5 B	exterior	Roof 202140432		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
6	canopy 3 canopy 4 canopy 7, 8, 9	1	exterior	ceiling	green	P	M	G F P	600	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 6 A	exterior	Ceiling 202140433	65	Roofing underside
3048-P 6 B	exterior	Ceiling 202140434		

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
7	Kenel	1	stalls	wall,	green	P	W	GFP	2,800	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 7 A	stalls ↓	wall 202140435	69	
3048-P 7 B		↓ 202140436		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
8	Kenel	1	ceiling interior	ceiling	green	P	M	GFP	1,800	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 8 A	Interior Interior	ceiling 202140437	70	Roofing underside
3048-P 8 B		ceiling 202140438		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
9	Kenel	1	interior	beams, partitions	base	P	M	GFP	500	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 9 A	Int. ↓	beam 202140439	70	
3048-P 9 B		↓ 202140440		

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. Ft or L. ft	Hatch Color
10	Kennel	1	exterior	roof, gutter, downspout	beige	P	M	G F P	2,000	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 10 A	exterior	Roof 202140441	107	
3048-P 10 B	exterior	Roof 202140442		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. Ft or L. ft	Hatch Color
11	canopy	1	exterior	wall, table	beige green	P	W	G F P	150	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 11 A	Exterior	wall 202140443	73	
3048-P 11 B	↓	↓ 202140444		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. Ft or L. ft	Hatch Color
12	canopy	1	exterior	wall	gray	P	W	G F P	150	///

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 12 A	exterior	wall 202140445	74	
3048-P 12 B	↓	↓ 202140446		

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, K.S Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
13	Pre-Treatment Plant (PTP)		Interior	ceiling, beam	W	P/SL	CC	G F P	800	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 13 A	Interior	Beam 202140447	75	
3048-P 13 B	↓	↓ 202140448		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
15	PTP	1	Interior	walls	W	P/SL	CMU	G F P	2,000	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 14 A	Interior	202140449 wall	76	
3048-P 14 B	↓	202140450 ↓		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
17	PTP	1	Interior	door frame, door, slats	beige	P	W	G F P	200	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 15 A	Interior	door frame 202140451	77	
3048-P 15 B	Interior	door frame 202140452		

06591

Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <small>Sq. Ft or L. ft</small>	Hatch Color
18	PTP	1	interior	pipe, pump	green	P	M	GFP	200	X

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 16 A	interior	pump 202140453	79	
3048-P 16 B	↓	202140454		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <small>Sq. Ft or L. ft</small>	Hatch Color
19	PTP	1	interior	mount	brown	P	CL	GFP	200	W

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 17 A	interior	mount 202140455	80	
3048-P 17 B	↓	202140456		

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <small>Sq. Ft or L. ft</small>	Hatch Color
20	PTP	1	interior	electrical box	gray	P	M	GFP	60	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 18 A	interior	electrical box	81	202140457
3048-P 18 B	↓	↓		202140458

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, KS Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
21	PTP	1	Interior	cabinets	pink	P	W	GFP	300	MM

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 19 A	Interior ↓	cabinets ↓	82	202140459
3048-P 19 B				202140460

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
22	PTP	1	Interior	Conduits, pipe	O/W	P	M	GFP	40	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 20 A	Interior ↓	pipe ↓	84	202140461
3048-P 20 B				202140462

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
24	PTP	1	Exterior	Eaves, beams	W	P/SC	CC	GFP	500	MM

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 21 A	exterior ↓	beams ↓	86	202140463
3048-P 21 B				202140464

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB

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HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
26	PTP	1	exterior	walls	O/W	P/SC	concrete bricks	G F (P)	1,100	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 22 A	exterior	wall	87	202140465
3048-P 22 B	↓	↓		202140466

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
28	PTP	1	exterior	door frame, door window slat	O/W	P	W	G F (P)	120	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 23 A	exterior	door frame	88	202140467
3048-P 23 B	↓	window slat		202140468

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area <u>Sq. ft</u> or L. ft	Hatch Color
29	PTP	1	exterior	pipe	O/W	P	M	G F (P)	10	X

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 24 A	exterior	pipe	92	202140469
3048-P 24 B	↓	↓		202140470

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048_2

Location: Animal Quarantine Station

Inspector Initials: JF, JB

Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
31	PTP	1	Exterior shed	Beams	Green	P	W	G F P	100	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 25 A	Exterior shed ↓	Beam ↓	95	202140471
3048-P 25 B				202140472

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
32	PTP	1	Exterior shed	Rails	green black	P	M	G F P	80	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 26 A	Exterior shed ↓	Rail ↓	96	202140473
3048-P 26 B				202140474

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
33	PTP	1	Exterior shed	pump, pipe	scor	P	M	G F P	150	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 27 A	Exterior shed ↓	pump pipe	96	202140475
3048-P 27 B				202140476

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB

Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
34	PTP	1	exterior	pipes	red	P	M	G F P	200	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P26 A	Ext.	pipe	97	202140477
3048-P26 B	↓	↓		202140478

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
35	PTP	1	exterior	valves	bl/c	P	M	G F P	40	X

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P29 A	Ext.	valves	77	202140479
3048-P29 B	↓	↓		202140480

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
37	PTP	R	exterior	Flashing	DK. brown	P	M	G F P	200	

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P30 A	exterior	Flashing	99	202140481
3048-P30 B	exterior	Flashing		202140482

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Hazardous Homogeneous Materials and Sampling Survey Field Form: Lead Paint

Project Number: 3048 2

Location: Animal Quarantine Station

Inspector Initials: JF, JB, ~~KJS~~ Survey Dates and Times: 7/8, 7/9

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
3/p	PTP	1	Interior	Pump Platform	Dk. Gray	P	M	Ⓞ F P	10	XXXX

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P 31A	Interior	Pump Platform	101	202140483
3048-P 31B	Interior	Pump Platform		202140484

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
								G F P		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P A				
3048-P B				

HM ID	Building	Flr.	Rooms	Locations	Material Color	Material	Substrate	Condition	Area Sq. ft or L. ft	Hatch Color
								G F P		

Sample ID	Room Sampled	Sample Location	PIC ID	Notes
3048-P A				
3048-P B				

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