

**HAZARDOUS MATERIALS SURVEY
FINAL REPORT**

**AIDEA BUILDING
Anchorage, Alaska**

April, 2011

Prepared for:

Alaska Industrial Development and Export Authority
813 West Northern Lights Boulevard
Anchorage, Alaska 99503-2495

Prepared by:



SHARED VISION. UNIFIED APPROACH.

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USKH WO# 1040301

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EXECUTIVE SUMMARY

USKH Inc. (USKH) conducted a non-intrusive site survey for hazardous materials at the Alaska Industrial Development and Export Authority Building, located at 831 West Northern Lights Boulevard Anchorage, Alaska. The initial survey was conducted on December 13 and 15, 2010, and a follow-up inspection occurred on April 5, 2011. The survey scope focused on asbestos-containing materials which may be disturbed during renovation activities scheduled for selected locations within the building. A cursory review for polychlorinated biphenyls located within light fixture ballast components and mercury-containing light tubes/bulbs and thermostats was also conducted.

The following record documents were provided by the owner to USKH and were reviewed prior to conducting the initial survey.

- Asbestos Re-inspection Report, dated April 5, 2005, prepared by EHS-Alaska.
- Building Record Drawings.

A record document titled "Operations and Maintenance Plan for Asbestos-Containing Materials," dated March 2000, Rev.1, and prepared by EHS-Alaska, Inc. was provided by the owner after the initial site investigation had concluded. The record document was available during planning and investigation phases of the follow-up investigation.

Results of the survey are summarized as follows:

Asbestos-Containing Materials

The following conditions were discovered during this survey through bulk sampling and subsequent laboratory analysis involving asbestos-containing materials:

- Joint compound located as part of gypsum wall and ceiling assemblies.
- Stainless steel sink mastic.

The following conditions involving asbestos-containing materials that were discovered during previous surveys appear to still be present at the site:

- Red and tan duct sealants.
- Duct adhesive and associated tape.
- Hard fittings on thermal pipe runs.
- Dark gray gasket material in Penthouse.
- Fire caulking.

Mercury Containing Light Tubes/Thermostats

Mercury-containing light tubes were present within the building. No mercury-containing thermostats were discovered.



Polychlorinated Biphenyls

Fluorescent light fixtures located within the building are not suspected to contain polychlorinated biphenyls within their ballast components.

Additional Hazardous Materials

Destructive investigation methods allowing for the inspection of concealed conditions were not authorized for this survey. Therefore, additional hazardous materials in the form of, but not necessarily limited to, asbestos, lead, mercury, and polychlorinated biphenyls may be present at the facility. If suspect materials are discovered during daily operations or renovation projects, the materials should be considered hazardous unless proven otherwise through proper analytical review.



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ACRONYMS

ACM	Asbestos-containing materials
AHERA	Asbestos Hazard Emergency Response Act
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
HID	High Intensity Discharge
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PACM	Presumed asbestos-containing materials
PCB	Polychlorinated Biphenyls
Pb	Lead
PLM	Polarized Light Microscopy
RACM	Regulated Asbestos- containing materials
TCLP	Toxic Characteristic Leaching Procedure
TSI	Thermal System Insulation
USKH	USKH Inc.
VCT	Vinyl composition tile



ASBESTOS SURVEY

INTRODUCTION

On December 13 and 15, 2010, USKH conducted a non-intrusive investigative survey of building components of the AIDEA office building located at 813 West Northern Lights Boulevard, Anchorage, Alaska. The purpose of the survey was to ascertain if asbestos-containing materials (ACM) were present. A follow-up survey was then conducted on April 5, 2011. The follow-up inspection was performed after the completion of the USKH renovation design, which prompted the survey. The survey was performed by an accredited Asbestos Hazard Emergency Response Act (AHERA) inspector.

Prior to conducting the initial field investigation, the following owner-supplied documents were reviewed:

- Asbestos Re-inspection Report, dated April 5, 2005, prepared by EHS-Alaska.
- Building Record Drawings.

A record document titled Operations and Maintenance Plan For Asbestos-Containing Materials, dated March 2000, Rev.1, prepared by EHS-Alaska, Inc., was provided by the owner after the initial site investigation had concluded. The record document was available during planning and investigation phases of the follow-up investigation.

USKH collected 29 bulk samples of suspected asbestos-containing materials from the facility for analysis by Polarized Light Microscopy (PLM). One bulk sample was multi-layered.

The 29 bulk samples were analyzed for asbestos content by:

White Environmental Consultants, Inc.
731 I Street Suite 203
Anchorage, AK 99501.

The laboratory is a member of the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is granted for satisfactory compliance with criteria as established in Title 15, Part 285 Code of Federal Regulations.

Only materials containing one percent total asbestos (all types) or greater were classified as "asbestos-containing." Classification is based on Environmental Protection Agency (EPA) criteria. The laboratory results of the asbestos testing are included in Appendix B.

Term Definitions

The following common **asbestos**-related terms are defined to provide clarification:

Asbestos containing material: Material that contains an asbestos content greater than one percent.

Category I Non Friable Asbestos-Containing Material: Asbestos-containing packing, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent asbestos as determined using polarized light microscopy.

Category II Non Friable Asbestos-Containing Material: Any material, excluding Category I Non Friable Asbestos-containing Material, containing more than one percent asbestos as determined using polarized light microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Chrysotile: White in bulk; long, curly, flexible fibers, absorbs water easily. It is the most common type of asbestos found in building materials.

Class I Asbestos Work: Activities involving the removal of Thermal System Insulation (TSI) and surfacing ACM and presumed asbestos-containing materials (PACM).

Class II Asbestos Work: Activities involving the removal of ACM which is not TSI or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile and sheeting, roofing, and siding shingles, and construction mastics.

Class III Asbestos Work: Repair and maintenance operations where ACM, including TSI and surfacing ACM and PACM, is likely to be disturbed.

Fiber: A structure greater than 0.5 μm in length with an aspect ratio (length to width) of 5:1 or greater and having substantially parallel sides.

Friable: Asbestos material that contains more than one percent asbestos by weight and which can be crumbled, pulverized, or caused to release fibers by hand pressure when dry.

Nonfriable: Asbestos material in which the asbestos fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and will not release fibers during any appropriate disturbance, i.e., handling, storage, transportation, or processing.

Polarized light microscopy: An optical microscopic technique used to distinguish between different types of fibers by their shape and unique optical properties. PLM samples are examined at a magnification of 100 xs to 400 xs. At this magnification, PLM counts those fibers longer than 5 micrometers and wider than about 0.25 micrometers. This can include fibers that are not asbestos such as fiberglass and cloth fibers.

Response action: A method including removal, encapsulation, enclosure, repair, operations and maintenance that protect human health and the environment from friable ACM.



Sample Results

The following table identifies locations and bulk materials that were analyzed by PLM. Positive samples are in **bold** font. The actual sample locations are indicated on figures contained in Appendix A.

Table 1 – Asbestos Material Sampling Results			
SAMPLE #	MATERIAL	LOCATION	ASBESTOS
1040301-ACM Bulk-001	Joint Compound	Lobby 109	None Detected
1040301-ACM Bulk-002	Joint Compound	1 st Floor Comm Closet	None Detected
1040301-ACM Bulk-003	Ceiling Tile	Work Area 220	None Detected
1040301-ACM Bulk-004	Joint Compound	Office 219	None Detected
1040301-ACM Bulk-005	GWB	3 rd Floor @ Elevator	None Detected
1040301-ACM Bulk-006	Joint Compound	Kitchen Rm 320	3% Chrysotile
1040301-ACM Bulk-007	Stainless Steel Sink Mastic (black)	Kitchen Rm 320	5% Chrysotile
1040301-ACM Bulk-008	Ceiling Tile	Board Rm 335	None Detected
1040301-ACM Bulk-009	Joint Compound	Hall 017	None Detected
1040301-ACM Bulk-010	Joint Compound	Hall 017	None Detected
1040301-ACM Bulk-011	Joint Compound	Mech Rm 001	3% Chrysotile
1040301-ACM Bulk-012	GWB	Mech Rm 001	None Detected
1040301-ACM Bulk-013	Wall Mastic (black)	Mech Rm 001	None Detected
1040301-ACM Bulk-014	Joint Compound	Lobby 032 @ Elevator	None Detected
1040301-ACM Bulk-015	Joint Compound	Hall 017	None Detected
1040301-ACM Bulk-016	Duct Sealant (gray)	Hall 017	None Detected
1040301-ACM Bulk-017*	Sheet Vinyl	Break Rm 018	None Detected
1040301-ACM Bulk-017*	Sheet Vinyl Mastic (yellow)	Break Rm 018	None Detected
1040301-ACM Bulk-018	Joint Compound	Elect Rm 005	3% Chrysotile
1040301-ACM Bulk-019	Joint Compound	Hall 032	None Detected
1040301-ACM Bulk-020	Joint Compound	Hall 032	3% Chrysotile
1040301-ACM Bulk-021	Joint Compound	Storage 031	None Detected
1040301-ACM Bulk-022	Joint Compound	Conference 014	None Detected
1040301-ACM Bulk-023	Cove Base Mastic (black)	Kitchen 019	None Detected
1040301-ACM Bulk-024	Joint Compound	Office 333	None Detected
1040301-ACM Bulk-025	Joint Compound	Work Area 317	None Detected
1040301-ACM Bulk-026	Joint Compound	Mech Chase 336	4% Chrysotile
1040301-ACM Bulk-027	Joint Compound	Office M08	None Detected
1040301-ACM Bulk-028	Joint Compound	Office 117	None Detected
1040301-ACM Bulk-029	Joint Compound	Files 108	None Detected
*Denotes Multi-Layer Sample			
End of Results			



Summary

Building materials and components which have been confirmed or assumed to contain ACM that may be disturbed as part of the anticipated building renovation are summarized as follows.

ACM Joint Compound

Joint compound sampling conducted during the USKH inspection and a previous EHS-Alaska inspection produced positive results for ACM. It is assumed through this data that gypsum wall and ceiling assemblies constructed during the initial building construction contain ACM joint compound. Renovations to the building interior leading up to the mid-1980s may also have included the use of ACM joint compound. Gypsum walls and ceilings constructed as part of the renovation for the move in of the present tenant are assumed to be non-ACM.

It has been confirmed that ACM joint compound is present in mechanical and electrical/communication distribution, rooms. Gypsum walls at basement level Hall 032, and Mechanical Chase 336 and adjacent ceiling spaces on the third floor, contain ACM joint compound. These locations are scheduled for disturbance or demolition under the USKH renovation design.

Stainless Steel Sink Mastic

Stainless steel sink mastic used as a sound dampening agent tested positive for ACM at the 3rd floor Kitchen. Stainless steel sinks located in other areas of the building are non-ACM per previous sampling and testing orchestrated by EHS Alaska. The third floor sink in Kitchen 320 is scheduled for demolition.

Duct Sealant

Grey duct sealant sampled and tested as part of the USKH survey was negative for ACM content. The material was very pliable. Red and tan duct sealants sampled and tested during a previous EHS-Alaska inspection tested positive for ACM. Major disturbance of these materials is not anticipated in order to perform the projected renovation activities. However, renovation work may be required to be conducted in close proximity of these materials.

Duct Adhesive and Tape

Duct adhesive with an associated tape were tested during previous survey efforts by EHS-Alaska, and both tested positive for ACM. Major disturbance of these materials is not anticipated in order to perform the projected renovation activities. However, renovation work may be required to be conducted in close proximity of these materials.

Hard Fittings

Insulation located on fittings to thermal system plumbing components are not scheduled for removal; however, they may be encountered while exposing concealed spaces during demolition.



Recommendations

ACM Joint Compound

Gypsum wall and ceiling demolition or major disturbance should be conducted by certified asbestos workers, and supervised by a qualified individual meeting the definition of "Competent Person" in accordance with OSHA Standard 29 CFR 1926.1101. The removal should be conducted as Class II asbestos work. Appropriate engineering controls should be employed for the protection of construction workers, building inhabitants, and the environment. The removal, control, transfer and disposal of ACM shall be in accordance with 40 CFR Part 61, Subpart M, which is the federal Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants.

Stainless Steel Sink Mastic

The sink in Kitchen 310 should be removed in its entirety, including the ACM sound proofing, as ACM waste in accordance with applicable state and federal regulations and standards. The unit should not be salvaged for reuse or sale.

Duct Sealants, Adhesives and Tapes

All duct sealants should be considered ACM for the renovation. Disturbance of these materials should be prevented. If disturbance is required, the materials should be sampled and tested for asbestos content prior to proceeding with demolition. If the materials test positive for asbestos, a response action should be developed and employed to expedite the work required.

Hard Fittings

The removal of ceilings, walls and chases may expose previously concealed hard fittings on thermal system elbows and joints. Workers should be trained in asbestos awareness and be vigilant of these materials while performing the work.

Asbestos Record Documents

The "Operations And Maintenance Plan For Asbestos-Containing Materials," dated March 2000, Rev.1, and the Re-inspection Report dated April 5, 2004, both prepared by EHS-Alaska, Inc., are important records documents that should be referenced in the renovation project bid documents and be made available to the contractor performing the work. It is further recommended that the same be done for the survey report.



MERCURY CONTAINING LIGHT TUBE/THERMOSTAT SURVEY

Introduction

USKH conducted a survey of the AIDEA office building located at 813 West Northern Lights Boulevard, Anchorage, Alaska, for the presence of mercury-containing light bulbs and thermostats. The survey was performed on December 15, 2010, in conjunction with an asbestos survey, by an AHERA accredited inspector. This report is a result of the survey conducted.

Fluorescent light tubes, some HID light bulbs, and older thermostats contain mercury. Thermostats are now prohibited to be manufactured with mercury; however, fluorescent light tubes still require a small amount for their operation. When discarded in the trash, mercury containing light tubes, bulbs, and thermostats can break, allowing some of the mercury content to be released. This can lead to the release of elemental mercury into the environment and subsequent contamination of groundwater and the food chain.

A large part of the human population contains small trace amounts of mercury within their bodies without any notable effect on health. In larger quantities, mercury can affect the nervous system, especially in infants and children since their bodies are still in the development stages.

The EPA considers mercury-containing light tubes, bulbs, and thermostats as Universal Waste and therefore must be collected and managed in accordance with 40 CFR Part 273 Standards for Universal Waste Management. Some states modify these standards and have their own set of regulations; however, the State of Alaska follows the federal standard.

Summary

Mercury-containing light tubes are present within the facility. Mercury-containing thermostats were not discovered.

Recommendations

Fluorescent light tubes removed for disposal should be collected and managed as Universal Waste in accordance with 40 CFR 273. The recycling of these materials is encouraged.



POLYCHLORINATED BIPHENYLS SURVEY

Introduction

USKH conducted a survey of the AIDEA Building for the presence and extent of polychlorinated biphenyls (PCBs) in fluorescent light fixture ballasts on December 13, 2010. The investigation was intended to support a general hazardous materials survey of the facility.

PCBs are oily liquids used in transformers, capacitors, switches, and light fixture ballasts as a non-conducting liquid or potted material for thermal insulation purposes.

In the case of fluorescent light fixture ballasts, the EPA states that any ballast with PCB concentrations equal to or greater than 50mg/Kg shall be disposed of as hazardous waste. Federal and state laws require trained workers to remove, handle, transport, and dispose of all PCB-containing or contaminated materials. There is no air monitoring requirement for the removal of PCB-containing materials. However, there are specific work practices to ensure no PCB contamination of the building or the environment occurs.

The older, magnetic type ballasts are considered to be PCB-free if the manufacturer or other entity, which has performed the required testing, marks the component as "No PCBs". If ballasts are not marked, they should be suspected of containing PCBs. The newer, electronic ballasts are free of PCBs and therefore not identified as PCB-free on the label.

Procedures for worker protection, as well as environmental protection, require protective equipment, i.e., full bodysuits, gloves, face shield, aprons, and decontamination of all materials used for the removal process.

An EPA-approved disposal site is required for the disposal of hazardous materials. As with hazardous lead-containing materials, the PCB waste must be shipped to an out-of-state approved disposal site.

Summary

Fluorescent light fixtures located within the facility are not suspected to contain polychlorinated biphenyls.

Recommendations

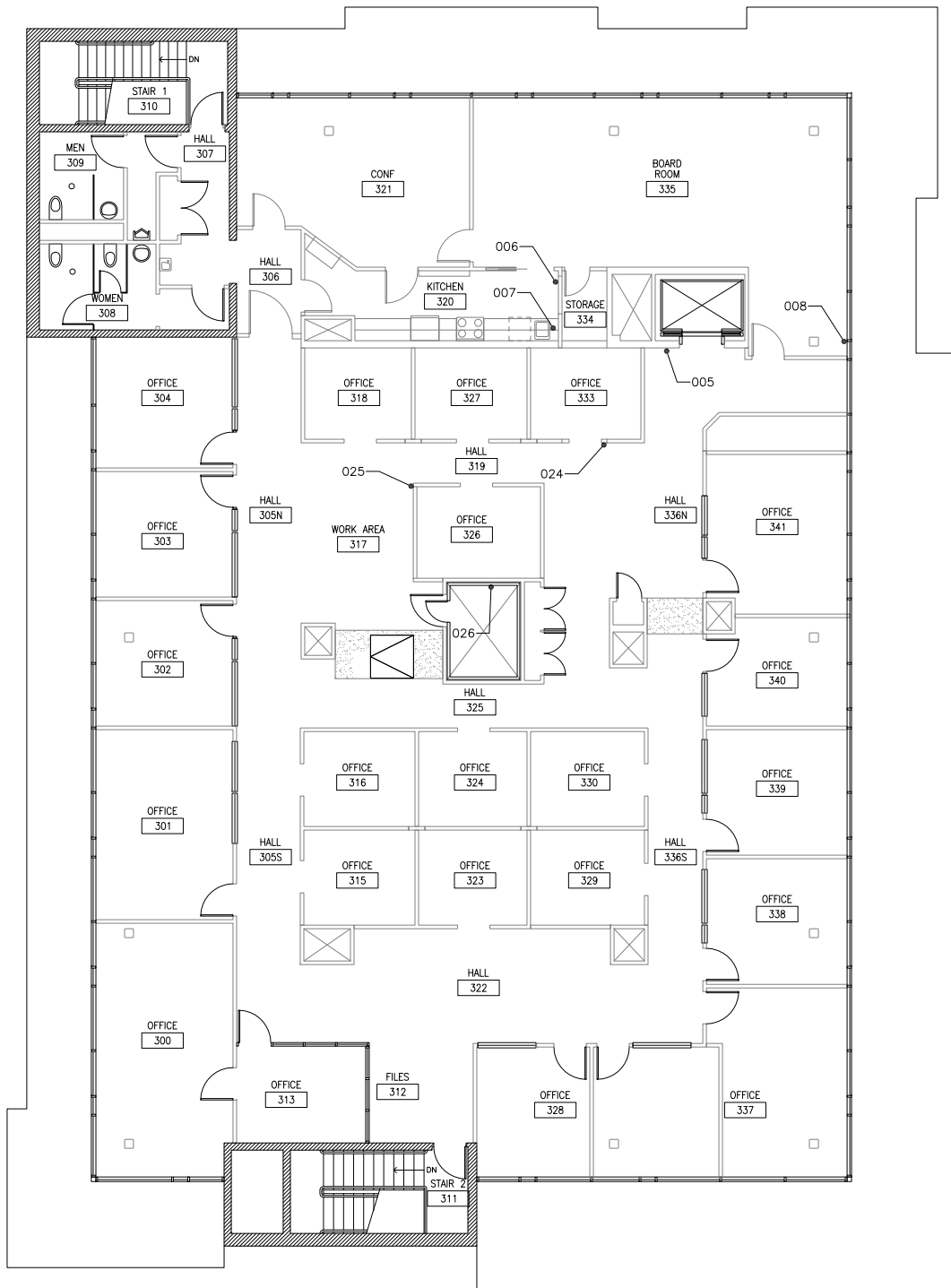
If suspect ballasts are discovered and required to be removed as part of future renovation work, the removal, control, transfer and disposal shall be accomplished in accordance with 40 CFR 761.

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Appendix A
Asbestos Sample Map

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DRAWING NAME: I:\1040301\DWGS\AS-SHEETS\1040301-AS-102.DWG PLOTTED: Apr 11, 2011 - 8:58:34 AM (Mark Bennett)

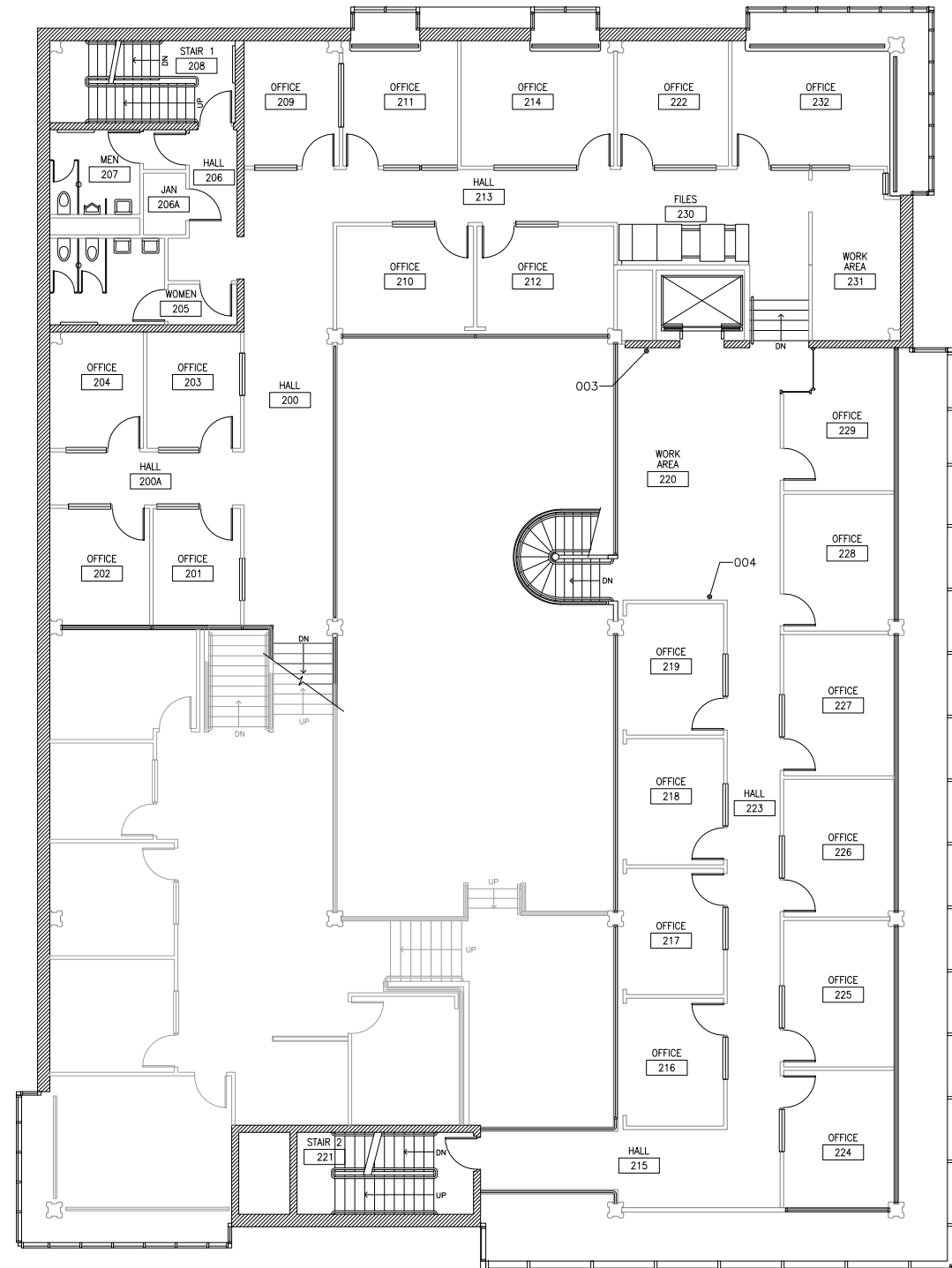


2 THIRD FLOOR ASBESTOS SURVEY PLAN
 AS-102 SCALE: 1/8"=1'-0"

ASBESTOS BULK SAMPLE LABORATORY RESULTS			
SAMPLE ID	MATERIAL	LOCATION	TEST RESULTS FOR ASBESTOS
1040301-ACM BULK -005	GWB	HALL 336N	NONE DETECTED
1040301-ACM BULK -006	JOINT COMPOUND	KITCHEN 320	3% CHRYSOTILE
1040301-ACM BULK -007	SINK MASTIC	KITCHEN 320	5% CHRYSOTILE
1040301-ACM BULK -008	CEILING TILE	BOARD ROOM 335	NONE DETECTED
1040301-ACM BULK -024	JOINT COMPOUND	OFFICE 333	NONE DETECTED
1040301-ACM BULK -025	JOINT COMPOUND	WORK AREA 317	NONE DETECTED
1040301-ACM BULK -026	JOINT COMPOUND	MECH CHASE 336	4% CHRYSOTILE

POSITIVE SAMPLES ARE HIGHLIGHTED IN BOLD FONT. * DENOTES MULTI-LAYER SAMPLE.

LEGEND
 001 - ASBESTOS SAMPLE LOCATION



1 SECOND FLOOR ASBESTOS SURVEY PLAN
 AS-102 SCALE: 1/8"=1'-0"

ASBESTOS BULK SAMPLE LABORATORY RESULTS			
SAMPLE ID	MATERIAL	LOCATION	TEST RESULTS FOR ASBESTOS
1040301-ACM BULK -003	CEILING TILE	WORK AREA 220	NONE DETECTED
1040301-ACM BULK -004	JOINT COMPOUND	WORK AREA 220	NONE DETECTED

POSITIVE SAMPLES ARE HIGHLIGHTED IN BOLD FONT. * DENOTES MULTI-LAYER SAMPLE.



Date Stamped: 4-4-2011

By	
Revision	
Date	

USKH
 SHARED VISION. UNIFIED APPROACH.
 Architecture • Engineering
 Land Surveying • Planning

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 Anchorage, Alaska 99503
 (907) 276-4245

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 Fairbanks, Alaska 99701
 (907) 452-2128

3031 Clinton Drive
 Suite 200
 Juneau, Alaska 99801
 (907) 790-2901

351 W. Parks Highway
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 Wasilla, Alaska 99654
 (907) 376-7815

Project:
**AIDEA/
 NORTHERN
 LIGHTS
 BUILDING
 REMODEL**
 Alaska Industrial
 Development and
 Export Authority
 Anchorage, Alaska

Project Mgr.	DS
Drawn	
Checked	
Date	4-4-2011

Sheet Contents:
 SECOND &
 THIRD FLOOR
 ASBESTOS
 SURVEY PLAN
 ASBESTOS SURVEY

Sheet No.:
AS-102

USKH W.O. 1040301

Appendix B
Asbestos Sample Laboratory Reports

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Bulk Sample Analysis for Asbestos

EMAILED
4/6/11 CB

WEC Project #: 11G-206

Report #: 79402

Client Project#:

Report By: C.Blanchard

Report Date: 4/6/2011

Client: **USKH**
2515 A St.
Anchorage, AK 99503

Collection Date: 4/5/2011

Collection By: CLIENT

TAT: 24 Hour

Analysis By: D.Milton

Analysis Date: 4/6/2011

Received By: Milton

Received Date: 4/6/2011

Samples: 11

Layers: 11

Project Name/Location: Aidea Remodel

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-019	AB11-3171	Basement	Joint Comp	1 of 1
ASBESTOS			Homo- genous No	Color Off-White
None Detected				
Other Fibrous Materials			% Non-Fibrous Materials: 100%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-020	AB11-3172	Basement	Joint Comp	1 of 1
ASBESTOS			Homo- genous No	Color Off-White
None Detected				
Chrysotile			3%	
Other Fibrous Materials			% Non-Fibrous Materials: 97%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-021	AB11-3173	Basement Storage	Joint Comp	1 of 1
ASBESTOS			Homo- genous No	Color Off-White
None Detected				
Other Fibrous Materials			% Non-Fibrous Materials: 100%	
None Detected				

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-022	AB11-3174	Basement Conf Room	Joint Comp	1 of 1
ASBESTOS			Homo- genous No	Color Off-White
None Detected				
Other Fibrous Materials			% Non-Fibrous Materials: 100%	
None Detected				

Bulk Sample Analysis for Asbestos

WEC Project #: 11G-206

Report #: 79402

Client Project#:

Report By: C.Blanchard

Report Date: 4/6/2011

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-023	AB11-3175	Basement Break Room	Covebase Mastic	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials: 100%		
None Detected				
1040301-ACMBULK-024	AB11-3176	None Noted	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials: 100%		
None Detected				
1040301-ACMBULK-025	AB11-3177	3rd Floor Office	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials: 100%		
None Detected				
1040301-ACMBULK-026	AB11-3178	3rd Floor Mech Chase	Joint Comp	1 of 1
ASBESTOS				
Chrysotile 4%		% Asbestos: 4%		
Other Fibrous Materials		% Non-Fibrous Materials: 96%		
None Detected				
1040301-ACMBULK-027	AB11-3179	1st Floor Office	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials: 100%		
None Detected				

Bulk Sample Analysis for Asbestos

WEC Project #: 11G-206

Client Project#:

Report #: 79402

Report By: C. Blanchard

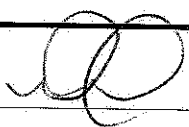
Report Date: 4/6/2011

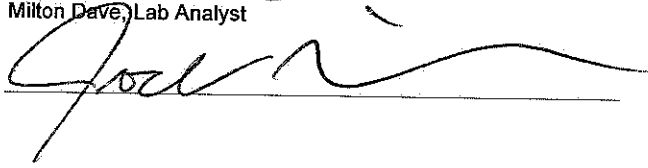
Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-028	AB11-3180	1st Floor Office	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials:	100%	
None Detected				

Homo-
genous
No
Color
Off-White

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-029	AB11-3181	1st Floor Records	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials		% Non-Fibrous Materials:	100%	
None Detected				

Homo-
genous
No
Color
White


 _____ Date 4/6/2011
 Milton Dave, Lab Analyst


 _____ Date 4/6/2011

Analysis performed by EPA Method 600/R-93/116. All quantities reported are based on visual estimation by PLM, unless point-counting method is requested and noted for the sample. Test report relates only to items tested and must not be used by client to claim product endorsement by NVLAP or any agency of the U.S. Government. Test reports must not be reproduced without the approval of WEC Inc., and are subject to WEC Inc. General Terms and Conditions (see reverse).



Chain of Custody

2515 A Street Anchorage, AK 99503

Attention BOB ARTO 11/WEL Seal # _____

Client Alaska Industrial Development & Export Authority

Project AZIDEA REFINDEL

Sampling Company USKH INC

Sampling Site 813 WEST NORTHERN LIGHTS BLVD

Team Leader D MORRIS

PO# _____

1. Packed by: D MORRIS Yes No
2. Seal Intact Upon Receipt by Sampling Company: Yes No
3. Condition of Contents: _____
4. Sealed for Shipping by: _____
5. Seal Intact Upon Receipt by Laboratory: _____
6. Contents Temperature upon receipt by Lab: _____
7. Conditions of Contents: _____

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	NO. CONTAINERS	ANALYSIS PARAMETERS	REMARKS
4/5/11	1330	1040301-ACM BULK - 019	BULK	1	PLM	JOINT COMP
	1336	1040301- ACM BULK - 020				JOINT COMP
	1342	1040301- ACM BULK - 021				JOINT COMP
	1351	1040301- ACM BULK - 022				JOINT COMP
	1400	1040301- ACM BULK - 023				JOINT COMP
	1410	1040301- ACM BULK - 024				JOINT COMP
	1415	1040301- ACM BULK - 025				JOINT COMP
	1426	1040301- ACM BULK - 026				JOINT COMP
	1440	1040301- ACM BULK - 027				JOINT COMP
	1447	1040301- ACM BULK - 028				JOINT COMP
	1500	TRANSFER PRIORITY TO SHIPPING				JOINT COMP

Relinquished by: (signed) _____ Date/Time 4-6-11 09:00 Delivered to Shipper by: _____

Received by: (signed) cam

Method of Shipment: _____ Project #: _____

Received at Lab: _____ Signature/Date/Time: _____

EMAILED

Bulk Sample Analysis for Asbestos

WEC Project #: 10G-891
Client Project#: 1040301

Report #: 77880
Report By: C.Blanchard
Report Date: 12/16/2010

Client: **USKH**
2515 A St.
Anchorage, AK 99503

Collection Date: 12/13/2010
Collection By: CLIENT
TAT: 24 Hour
Analysis By: D.Milton
Analysis Date: 12/16/2010
Received By: Milton
Received Date: 12/16/2010

Samples: 18 # Layers: 19

Project Name/Location:

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-001	AB10-12396	None Noted	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials				
% Non-Fibrous Materials: 100%				
None Detected				

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-002	AB10-12397	None Noted	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials				
% Non-Fibrous Materials: 100%				
None Detected				

Client ID#	WEC ID#	Location	Material	Layer				
1040301-ACMBULK-003	AB10-12398	None Noted	Ceiling Tile	1 of 1				
ASBESTOS								
None Detected								
Other Fibrous Materials								
% Other Fibrous Materials: 95%								
% Non-Fibrous Materials: 5%								
<table border="1"> <tr> <td>Cellulose</td> <td>30%</td> </tr> <tr> <td>Mineral Wool</td> <td>65%</td> </tr> </table>					Cellulose	30%	Mineral Wool	65%
Cellulose	30%							
Mineral Wool	65%							

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-004	AB10-12399	None Noted	Joint Comp	1 of 1
ASBESTOS				
None Detected				
Other Fibrous Materials				
% Non-Fibrous Materials: 100%				
None Detected				

Bulk Sample Analysis for Asbestos

WEC Project #: 10G-891
Client Project#: 1040301

Report #: 77880
Report By: C. Blanchard
Report Date: 12/16/2010

Client ID#	WEC ID#	Location	Material	Layer				
1040301-ACMBULK-005	AB10-12400	None Noted	Drywall	1 of 1				
ASBESTOS			Homo-	Color				
None Detected			genous	Off-White				
			No					
<i>% Other Fibrous Materials: 6%</i>								
<i>% Non-Fibrous Materials: 94%</i>								
<i>Other Fibrous Materials</i>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Cellulose</td> <td style="width: 20%; text-align: right;">6%</td> </tr> </table>					Cellulose	6%		
Cellulose	6%							
1040301-ACMBULK-006	AB10-12401	None Noted	Joint Comp	1 of 1				
ASBESTOS			Homo-	Color				
None Detected			genous	Off-White				
			No					
<i>% Asbestos: 3%</i>								
<i>% Non-Fibrous Materials: 97%</i>								
<i>Other Fibrous Materials</i>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Chrysotile</td> <td style="width: 20%; text-align: right;">3%</td> </tr> </table>					Chrysotile	3%		
Chrysotile	3%							
1040301-ACMBULK-007	AB10-12402	None Noted	Sink Undercoat	1 of 1				
ASBESTOS			Homo-	Color				
None Detected			genous	Black				
			No					
<i>% Asbestos: 5%</i>								
<i>% Non-Fibrous Materials: 95%</i>								
<i>Other Fibrous Materials</i>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Chrysotile</td> <td style="width: 20%; text-align: right;">5%</td> </tr> </table>					Chrysotile	5%		
Chrysotile	5%							
1040301-ACMBULK-008	AB10-12403	None Noted	Ceiling Tile	1 of 1				
ASBESTOS			Homo-	Color				
None Detected			genous	Tan				
			No					
<i>% Other Fibrous Materials: 95%</i>								
<i>% Non-Fibrous Materials: 5%</i>								
<i>Other Fibrous Materials</i>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Cellulose</td> <td style="width: 20%; text-align: right;">30%</td> </tr> <tr> <td>Mineral Wool</td> <td style="text-align: right;">65%</td> </tr> </table>					Cellulose	30%	Mineral Wool	65%
Cellulose	30%							
Mineral Wool	65%							
1040301-ACMBULK-009	AB10-12404	None Noted	Joint Comp	1 of 1				
ASBESTOS			Homo-	Color				
None Detected			genous	Off-White				
			No					
<i>% Non-Fibrous Materials: 100%</i>								
<i>Other Fibrous Materials</i>								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">None Detected</td> <td style="width: 20%;"></td> </tr> </table>					None Detected			
None Detected								

Bulk Sample Analysis for Asbestos

WEC Project #: 10G-891
Client Project#: 1040301

Report #: 77880
Report By: C. Blanchard
Report Date: 12/16/2010

Client ID#	WEC ID#	Location	Material	Layer 1 of 1
1040301-ACMBULK-010	AB10-12405	None Noted	Joint Comp	
ASBESTOS			Homo- genous	Color
None Detected			No	Off-White
Other Fibrous Materials			% Non-Fibrous Materials: 100%	
None Detected				
1040301-ACMBULK-011	AB10-12406	None Noted	Joint Comp	
ASBESTOS			Homo- genous	Color
None Detected			No	Off-White
Chrysotile 3%			% Asbestos: 3%	
Other Fibrous Materials			% Non-Fibrous Materials: 97%	
None Detected				
1040301-ACMBULK-012	AB10-12407	None Noted	Gyps. Wallboard	
ASBESTOS			Homo- genous	Color
None Detected			No	Off-White
Other Fibrous Materials			% Other Fibrous Materials: 7%	
Cellulose 5%			% Non-Fibrous Materials: 93%	
Fibrous Glass 2%				
None Detected				
1040301-ACMBULK-013	AB10-12408	None Noted	Mastic	
ASBESTOS			Homo- genous	Color
None Detected			No	Black
Other Fibrous Materials			% Other Fibrous Materials: 5%	
Cellulose 5%			% Non-Fibrous Materials: 95%	
None Detected				
1040301-ACMBULK-014	AB10-12409	None Noted	Joint Comp	
ASBESTOS			Homo- genous	Color
None Detected			No	Off-White
Other Fibrous Materials			% Non-Fibrous Materials: 100%	
None Detected				

Bulk Sample Analysis for Asbestos

WEC Project #: 10G-891

Report #: 77880

Client Project#: 1040301

Report By: C.Blanchard

Report Date: 12/16/2010

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-015	AB10-12410	None Noted	Joint Comp	1 of 1
ASBESTOS				
None Detected				
<i>Other Fibrous Materials</i>		% Non-Fibrous Materials: 100%		
None Detected				
		Homo- genous No		Color Off-White

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-016	AB10-12411	None Noted	Duct Sealant	1 of 1
ASBESTOS				
None Detected				
<i>Other Fibrous Materials</i>		% Non-Fibrous Materials: 100%		
None Detected				
		Homo- genous No		Color Gray

Client ID#	WEC ID#	Location	Material	Layer				
1040301-ACMBULK-017	AB10-12412A	None Noted	Sheet Vinyl	1 of 2				
ASBESTOS								
None Detected								
<i>Other Fibrous Materials</i>		% Other Fibrous Materials: 15%						
		% Non-Fibrous Materials: 85%						
None Detected								
		Homo- genous No		Color Off-White Speckle				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Cellulose</td> <td style="text-align: right;">12%</td> </tr> <tr> <td>Fibrous Glass</td> <td style="text-align: right;">3%</td> </tr> </table>		Cellulose	12%	Fibrous Glass	3%			
Cellulose	12%							
Fibrous Glass	3%							

Client ID#	WEC ID#	Location	Material	Layer
1040301-ACMBULK-017	AB10-12412B	None Noted	Sheet Vinyl Mastic	2 of 2
ASBESTOS				
None Detected				
<i>Other Fibrous Materials</i>		% Non-Fibrous Materials: 100%		
None Detected				
		Homo- genous No		Color Yellow

Client ID#	WEC ID#	Location	Material	Layer		
1040301-ACMBULK-018	AB10-12413	None Noted	Mud	1 of 1		
ASBESTOS						
None Detected						
<i>Other Fibrous Materials</i>		% Asbestos: 3%				
		% Non-Fibrous Materials: 97%				
None Detected						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Chrysotile</td> <td style="text-align: right;">3%</td> </tr> </table>		Chrysotile	3%			
Chrysotile	3%					
		Homo- genous No		Color Off-White		

Comments: Collection Dates: 12/13/2010 & 12/15/2010

Bulk Sample Analysis for Asbestos

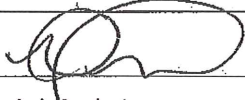
WEC Project #: 10G-891

Client Project#: 1040301

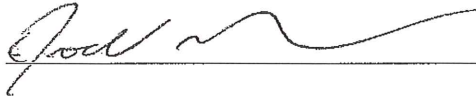
Report #: 77880

Report By: C. Blanchard

Report Date: 12/16/2010


Milton Dave, Lab Analyst

Date 12/16/2010



Date 12/16/2010

Analysis performed by EPA Method 600/R-93/116. All quantities reported are based on visual estimation by PLM, unless point-counting method is requested and noted for the sample. Test report relates only to items tested and must not be used by client to claim product endorsement by NVLAP or any agency of the U.S. Government. Test reports must not be reproduced without the approval of WEC Inc., and are subject to WEC Inc. General Terms and Conditions (see reverse).

USKY

Chain of Custody

2515 A Street Anchorage, AK 99503

Attention: BOB GARRETT
 Client: ALASKA INDUSTRIAL DEVELOPMENT & ENERGY
 Project: AIDEA BUILDING REPAIR AUTHORITY
 Sampling Company: USKY INC.
 Sampling Site: 813 WEST NORTHERN LIGHTS ANCH, AK
 Team Leader: D MORRIS
 PO#: _____

- 1. Packed by: D MORRIS Seal # _____
- 2. Seal Intact Upon Receipt by Sampling Company: Yes No
- 3. Condition of Contents: _____
- 4. Sealed for Shipping by: _____
- 5. Seal Intact Upon Receipt by Laboratory: _____
- 6. Contents Temperature upon receipt by Lab: _____
- 7. Conditions of Contents: _____

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	NO. CONTAINERS	ANALYSIS PARAMETERS	REMARKS
12/10	1317	1040301-ACM BULK - 001	BULK	1	PLM	JOINT AMP
	1322	1040301-ACM BULK - 002				FIRE TRAP + MUD
	1329	1040301-ACM BULK - 003				REINFORC TIE
	1336	1040301-ACM BULK - 004				JOINT AMP
	1342	1040301-ACM BULK - 005				JOINT AMP
	1347	1040301-ACM BULK - 006				JOINT AMP
	1353	1040301-ACM BULK - 007				STAINLESS STEEL MASTIC
	1400	1040301-ACM BULK - 008				REINFORC TIE
12/10	917	1040301-ACM BULK - 009				JOINT AMP
	921	1040301-ACM BULK - 010				MUD W/ TEXTURES

CUSTODY TRANSFER PRIOR TO SHIPPING
 Relinquished by: (signed) _____ Received by: (signed) _____ Date/Time _____

SHIPPING DETAILS

- 1. Delivered to Shipper by: _____
- 2. Method of Shipment: _____
- 3. Received at Lab: _____ Project #: _____
- 4. Signature/Date/Time: _____

Original - Lab

Pink - Lab

Yellow - Sampler



Chain of Custody

2515 A Street Anchorage, AK 99503

Attention

Bob Carroll - Wel

1. Packed by:

D Myers

Seal #

Client

ALASKA Industrial Development Authority

2. Seal Intact Upon Receipt by Sampling Company:

Yes No

Project

AIDEA Building Remodel

3. Condition of Contents:

Sampling Company

USKH Inc

4. Sealed for Shipping by:

Sampling Site

813 West Northern Lights Ave, AK

5. Seal Intact Upon Receipt by Laboratory:

Team Leader

Dennis Morris

6. Contents Temperature upon receipt by Lab:

PO#

7. Conditions of Contents:

DATE	TIME	SAMPLE ID/DESCRIPTION	SAMPLE TYPE	NO. CONTAINERS	ANALYSIS PARAMETERS	REMARKS
12/15/14	9:27	1040301 - ACM BULK - 011	BULK	1	PLM	Foist Comp
	9:34	1040301 - ACM BULK - 012				GLUB
	9:45	1040301 - ACM BULK - 013				MASTIC
	9:51	1040301 - ACM BULK - 014				Foist Comp
	9:58	1040301 - ACM BULK - 015				Foist Comp
	10:07	1040301 - ACM BULK - 016				DUST SEALED
	10:21	1040301 - ACM BULK - 017				SHIPPED
	10:38	1040301 - ACM BULK - 018				MASTIC

CUSTODY TRANSFER PRIOR TO SHIPPING

Relinquished by: (signed)

Received by: (signed)

Date/Time

SHIPPING DETAILS

1. _____

Delivered to Shipper by: _____

2. _____

Method of Shipment: _____

3. _____

Received at Lab: _____

Project #: _____

4. _____

Signature/Date/Time: _____

Original - Lab

Pink - Lab

Yellow - Sampler