Environmental Survey – Building 3000
Naval Station Great Lakes
Great Lakes, Illinois

Prepared for:

Department of the Navy
Naval Station Great Lakes
Naval Facilities Engineering Command (NAVFAC), Midwest
201 Decatur Avenue, Building 1-A
Great Lakes, Illinois 60088

Prepared by:

Environmental Design International, inc.
33 West Monroe Street, Suite 1825
Chicago, Illinois 60603
(312) 345-1400
www.envdesigni.com

EDI Project No. 1602.010.01

Approved for Release By

Gary P. Flentge, MPH, CEHP, REA
Department Manager, Industrial Hygiene

Robert Giurato, PE
Illinois Project Designer #100-09750

Environmental Design International inc.
33 W. Monroe St., Suite 1825
Chicago, Illinois 60603
phone: 312.345.1400
fax: 312.345.0529
www.envdesigni.com

April 6, 2009

Mr. Carlo Luciano
Naval Station Great Lakes
NAVFAC Midwest IPT
Building 1A
201 Decatur Avenue
Great Lakes, Illinois 60088

SUBJECT: Environmental Survey - Buildings 3000
Great Lakes, Illinois
EDI Project No. 1602.010.01

Dear Mr. Luciano:

Enclosed please find the Environmental Survey for Building 3000 located on the Naval Station Great Lakes in Great Lakes, Illinois, prepared by Environmental Design International, inc.

EDI performed the survey, identified and sampled suspect asbestos and lead-containing building materials. Asbestos samples were submitted to a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory for analysis, and lead samples were submitted to an Environmental Lead Laboratory Accreditation Program (ELLAP) accredited laboratory for analysis. Survey and laboratory results indicate that some suspect materials sampled contain asbestos. Survey and laboratory analysis indicate that representative painted components sampled contain lead. Please refer to the attached report for details on the survey.

Please feel free to contact me at (312) 345-8679 or by email at gflentge@envdesigni.com with any comments or questions regarding EDI's investigation and this report.

Sincerely,

Environmental Design International, inc.

Gary Flentge, MPH, LEHP, REA
Department Manager, Industrial Hygiene

cc: III/1602.010.01

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Executive Summary

Environmental Design International, inc. (EDI) was retained by the Department of the Navy, Naval Facilities Engineering Command (NAVFAC) Midwest, under Navy Contract Number N40083-07-A-0016, BPA Call Number 0011, to perform a limited environmental survey of Building 3000 located on the Naval Station Great Lakes in Great Lakes, Illinois.

The limited environmental survey consisted of the inspecting the interior and exterior areas, roof and soil areas surrounding the perimeter of the Building 3000 for suspect asbestos containing material (ACM) and lead-based paint (LBP) and other suspect hazardous materials.

Every attempt was made to thoroughly evaluate and assess the presence and condition of suspect ACM, LBP and other hazardous materials. Any suspect ACM, LBP or other environmental hazards identified during renovation that are not specifically listed in this report should be thoroughly evaluated, assessed, sampled, and analyzed prior to disturbance, in accordance with applicable regulatory standards.

EDI performed a visual inspection of building materials and collected representative samples of homogeneous suspect ACM. The samples were submitted to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for bulk analysis. Based on the visual inspection and bulk sample analysis results, four (4) suspect building materials were reported to be asbestos-containing. Composite soil sampling was performed from the perimeter surrounding the building and no asbestos was reported in the soil sample. Additionally, EDI inspectors noted the TSI located within the building was insulated with fiberglass and contained plastic Zestron pipe fittings. According to the AHERA Model Accreditation Plan, non-suspect material such as fiberglass, foam rubber and plastics do not warrant sampling.

EDI performed a visual inspection of building materials and collected representative samples of suspect LBP painted components. The samples were submitted to an Environmental Lead Laboratory Accreditation Program (ELLAP) accredited laboratory for analysis. Based on the visual inspection and laboratory analysis results, representative painted components contain lead. Composite soil sampling was performed on the perimeter surrounding the building and was submitted for lead analysis. The soil samples were submitted to an ELLAP accredited laboratory for analysis. Soil lead levels are reported below Environmental Protection Agency (EPA) standards.

EDI performed a visual survey of Building 3000 for other potential hazardous materials. Specific areas of concern include polychlorinated byphenols (PCBs) fluorescent light ballasts, potential mercury-containing devices, stockpiled hazardous chemicals and aboveground storage tanks. EDI visually identified suspect PCB containing and mercury containing fluroescent light ballasts and bulbs, and suspect mercury containing thermostats throughout the facility. Suspect materials were not sampled but should be presumed unless sampled prior to removal and disposal. No other potential hazardous materials were observed during this survey.

Prior to any renovation or demolition of the building, ACM that will be disturbed, must be abated by an IDPH-licensed contractor using IDPH-licensed supervisors and workers. LBP that will be disturbed should be properly removed and disposed of in accordance with applicable federal, state and local regulations. Suspect PCB and mercury containing materials should be removed, handled and disposed of in accordance with applicable federal, state and local regulations.

1.0 Introduction

Environmental Design International, inc. (EDI) was retained by the Department of the Navy, NAVFAC Midwest, under Navy Contract Number N40083-07-A-0016, BPA Call Number 0011, to perform an environmental survey of specific areas within Building 3000 located on the Naval Station Great Lakes in Great Lakes, Illinois. The field survey was performed by Mr. Jose Aguilera (IDPH #100-10088), Mr. Jarrett M. Land (IDPH #100-11233) and Mr. William Higgins III (IDPH #012912) on March 26, 2009. Licenses and certifications for EDI staff are provided in Appendix G.

1.1 Project Purpose and Background

The NAVFAC is scheduled to renovate and possibly demolish Building 3000 located on the Great Lakes Naval Training Center in Great Lakes, Illinois. The limited environmental survey consisted of inspecting the interior and exterior areas, roof and soil areas surrounding the perimeter of Building 3000 for suspect ACM, LBP, and other hazardous materials.

1.2 Scope of Work

EDI performed a limited environmental survey, which included the inspection of the interior and exterior areas, roof and soil areas surrounding the perimeter of Building 3000 for suspect ACM, LBP, and other hazardous materials. EDI performed the environmental survey on March 26, 2009.

2.0 Asbestos Survey

2.1 Asbestos Survey Methodology

EDI representatives performed a visual inspection to identify suspect ACM on accessible areas of the interior and exterior structure of Building 3000. The ACM survey was performed in accordance with the United States Environmental Protection Agency (USEPA) *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials* (USEPA 560/5085-030a, October 1985). The ACM survey included the following activities:

- Review of existing environmental documents (floor plans), if available;
- Visual inspection of accessible areas of the building;
- Collection of bulk samples of identified suspect ACM per homogeneous material in accessible areas of the building;
- Collection of representative soil samples adjacent to the structure for asbestos analysis;
- AIHA and NVLAP accredited laboratory analysis of suspect ACM bulk samples by polarized light microscopy (PLM) to first positive result per homogeneous material; and,
- Preparation of a final report that includes sample locations of representative ACM and the laboratory's analytical report.

A total of twenty-four (24) bulk samples of suspect asbestos containing building materials (ACBM) were collected from the specified survey areas, representing eight (8) homogeneous sampling areas (HSAs). Specific sample descriptions are summarized in Appendix A. HSAs are areas containing materials that are similar in color, texture, and general appearance, and which appear to have been uniformly installed during the same time period. Additionally, EDI inspectors noted the TSI located within the building was insulated with fiberglass and contained plastic Zestron pipe fittings. According to the AHERA Model Accreditation Plan, non-suspect material such as fiberglass, foam rubber and plastics do not warrant sampling. Refer to Appendix C for asbestos sample numbers and approximate sampling locations. EDI collected composite asbestos soil samples, consisting of samples from each side of Building 3000. The composite soil sample was collected at approximately ½ inch depth.

Bulk samples of suspect ACM were collected using wet sampling methods with a coring device or a sample cutter, as appropriate, to collect a cross-section of the suspect ACM. Sample collection tools were decontaminated after each sample to avoid cross contamination. Bulk ACM samples and soil samples were placed into clean unused sample containers marked with a unique sample identification number. For each sample, the identification number, brief material description, location, condition and estimated quantity of suspect ACM were recorded on a bulk sample log sheet. Chain-of-Custody (COC) procedures were followed for the ACM survey. These procedures provide a written tracking mechanism that lists the person responsible for the sample from collection to delivery to the laboratory. Sample identification numbers, sample locations, and material descriptions were recorded on the chain-of-custody forms. The COC forms are provided in Appendix E.

All bulk samples were analyzed by EDI Labs, Inc. in Chicago, Illinois, a NVLAP accredited asbestos laboratory. EDI laboratory certifications are contained in Appendix E. Samples were analyzed by polarized light microscopy (PLM) supplemented with dispersion staining. PLM is an USEPA-approved method that utilizes a light microscope equipped with polarized filters (USEPA Method 600/R-93/116). Soil asbestos bulk samples were analyzed by International Asbestos Testing Laboratories (IATL), in Mt Laurel, New Jersey, a NVLAP accredited asbestos laboratory. IATL laboratory certifications are contained in Appendix F. Samples were analyzed by PLM supplemented with dispersion staining. PLM is an USEPA-approved method that utilizes a light microscope equipped with polarized filters (USEPA Method 600/R-93/116).

Some materials may not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tile routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard PLM method. Transmission Electron Microscopy (TEM) is required for a more definitive analysis of these materials. These types of flooring materials that are reported by laboratory analysis to be non-asbestos by PLM analysis are routinely submitted to an accredited laboratory for analysis under TEM for verification of asbestos content. No TEM samples were analyzed during this limited survey.

2.2 Results

Based on the visual inspection and bulk sample analysis results, four (4) suspect building materials were reported to be asbestos-containing. Composite soil sampling was performed from the perimeter surrounding the building and no asbestos was reported in the soil sample. Additionally, EDI inspectors noted the TSI located within the building was insulated with fiberglass and contained plastic Zestron pipe fittings. According to the AHERA Model Accreditation Plan, non-suspect material such as fiberglass, foam rubber and plastics do not warrant sampling.

Location	Material Description	Quantity	Results	Condition
Bldg #3000 E. Wall, Ceiling Room #2	Transite	Approximately 1,500 square/feet	25-30% Chrysotile	Good
Bldg #3000 West, South & North Walls	Interior Window Caulk	Approximately 100 linear/feet	1-5% Chrysotile	Good
Bldg #3000 West, South & North Walls	Exterior Window Glaze	Approximately 100 square/feet	1-5% Chrysotile	Good
Bldg #3000 Roof	Roof Caulk	Approximately 1,900 linear/feet	1-5% Chrysotile	Good

No asbestos was detected in the composite asbestos soil sample. Laboratory results for the samples are included in Appendix E.

3.0 Lead Based Paint Survey

3.1 Lead Based Paint Survey Methodology

EDI collected paint chip samples of representative suspect painted components, and collected composite soil samples for lead from four locations along the drip line on each side of Building 3000. The composite soil samples were collected at approximately ½ inch depth. Refer to Appendix B for lead sample logs. Refer to Appendix C for approximate locations of samples.

Lead samples and soil samples were placed into clean unused sample containers marked with a unique sample identification number. For each sample, the identification number, brief material description, location, condition and estimated quantity of representative paint was recorded on a bulk sample log sheet. Chain-of-Custody (COC) procedures were followed for the lead survey. These procedures provide a written tracking mechanism that lists the person responsible for the sample from collection to delivery to the laboratory. Sample identification numbers, sample locations, and material descriptions were recorded on the chain-of-custody forms. COC forms are provided in Appendix F.

EDI submitted soil lead samples to International Asbestos Testing Laboratories (IATL), in Mt Laurel, New Jersey. IATL is accredited through the Environmental Lead Laboratory Accreditation Program (ELLAP). Samples were analyzed following EPA Method SW 846 3050B and 7420 (flame atomic absorption spectroscopy). Refer to Appendix F for lead in paint and soil lead results.

3.2 Results

The following homogeneous material sampled within Building 3000, according to the laboratory analytical results meet the regulatory definition of LBP.

Location	Material Description	Quantity	Results	Condition
Bldg #3000 Stairs & Rear Shop Table	Grey Paint	Approx. 90 square/feet	5.0% Lead	Poor

The laboratory analysis for the lead composite soil samples were reported to be below EPA standards. Laboratory results for the samples are included in Appendix F.

4.0 Hazardous Materials Survey

4.1 Hazardous Materials Survey Methodology

EDI performed a visual survey of Building 3000 for other potential hazardous materials. Specific areas of concern include polychlorinated byphenols (PCBs) fluorescent light ballasts, potential mercury-containing devices, stockpiled hazardous chemicals and aboveground storage tanks.

4.2 Results

Building #	Location	Material	Estimated Quantity
3000	South Wall	40 lb. Water Softener/Salt	50 ea.
	Room 1	Thermostats	1 ea.
	Ceiling	Hi Volt Lights	6 ea.

No other potential hazardous materials were observed in the specified survey areas of Building 3000. No chemicals or aboveground storage tanks (UST's) were observed in Buildings 3000 during the limited survey.

5.0 Findings and Recommendations

5.1 Asbestos Survey

Based on the visual inspection and bulk sample analysis results, four (4) suspect building materials were reported to be asbestos-containing. Composite soil sampling was performed from the perimeter surrounding the building and no asbestos was reported in the soil sample. Additionally, EDI inspectors noted the TSI located within the building was insulated with fiberglass and contained plastic Zestron pipe fittings. According to the AHERA Model Accreditation Plan, non-suspect material such as fiberglass, foam rubber and plastics do not warrant sampling.

The following materials were determined to be ACM:

Location	Material Description	Quantity	Results
Bldg #3000 E. Wall, Ceiling Room #2	Transite	Approximately 1,500 square/feet	25-30% Chrysotile
Bldg #3000 West, South & North Walls	Interior Window Caulk	Approximately 100 linear/feet	1-5% Chrysotile
Bldg #3000 West, South & North Walls	Exterior Window Glaze	Approximately 100 square/feet	1-5% Chrysotile
Bldg #3000 Roof	Roof Caulk	Approximately 1,900 linear/feet	1-5% Chrysotile

Prior to renovation of the building, ACM must be abated by an IDPH-licensed contractor using IDPH-licensed supervisors and workers.

5.2 Lead Survey

The following homogeneous material sampled within Building 3000, according to the laboratory analytical results meet the regulatory definition of LBP.

Location	Material Description	Quantity	Results
Bldg #3000 Stairs & Rear Shop Table	Grey Paint	Approx. 90 square/feet	5.0% Lead

Contractors working on components with paint that contains lead should comply with applicable OSHA standards, and other appropriate federal, state and local regulations, if their activities will disturb paint that may cause a release of lead from the painted component. All LBP should be

removed and disposed of in accordance with all applicable federal, state and local regulations prior to renovation or demolition of Building 3000 that may disturb the LBP.

Lead soil sample results are reported to be below EPA standards. No soil remediation is recommended.

5.3 Hazardous Materials Survey

Mercury thermostats and fluorescent lighting was observed throughout the property. Older fluorescent light ballasts may contain Polychlorinated biphenyls (PCB's). No sampling of ballasts was performed. All ballasts should be handled and disposed of in accordance with applicable Federal, State and Local regulations. Fluorescent light bulbs and thermostats may contain mercury and should be handled and disposed of in accordance with applicable Federal, State and Local regulations.

6.0 Limitations

This report is based solely on the scope of work provided and the assumptions identified in this limited survey. Any new information that becomes available concerning the subject site should be provided to EDI so that our evaluations, conclusions, and recommendations may be revised and modified accordingly. All materials tested are assumed homogeneous throughout the proposed renovation areas. EDI staff walked the site area to identify accessible areas to be included in the limited survey. Every attempt was made to thoroughly evaluate and assess the presence and condition of suspect asbestos and lead containing materials. EDI did not perform destructive sampling practices and suspect materials may exist within inaccessible areas. Any suspect material identified during renovation that is not specifically listed herein should be thoroughly assessed, sampled and analyzed prior to disturbance, in accordance with applicable regulatory standards.

The findings and conclusions in this report are not specific certainties; rather they are probabilities based on professional judgment concerning the significance of the data collected. EDI claims to represent only the specific findings documented herein and does not claim knowledge of conditions beyond the scope of the limited survey.

The environmental survey was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the environmental profession under similar conditions. No other warranty or guarantee, express or implied, is included or intended in this Report or otherwise.

This report is intended for the use of the client, subject to the terms and conditions of EDI's Scope of Services and Fees for Professional Services Agreement.

7.0 Definitions

The following definitions are intended to provide the reader with a better understanding of the terminology used in this report.

Asbestos
The general name given to a number of naturally occurring hydrated mineral silicates that possess a unique crystalline structure, are incombustible in air, and are separable into fibers. Asbestos includes the asbesti-form varieties of chrysotile; crocidolite; amosite; anthophyllite; and actinolite.

Asbestos-Containing Material
Asbestos contain materials (ACM) are materials that are found to contain greater than one percent by weight asbestos content as determined by polarized light microscopy (PLM) analysis.

Accessible Areas
An accessible area of the building is any area that the survey team is permitted to inspect and that can be inspected without the disassembly of complicated mechanical or rigid structural components of the building. Examples of accessible areas of the building are interior floors, walls, ceilings, areas above suspended ceilings, return air shafts (normally), mechanical piping exteriors, and equipment exteriors, etc.

Damaged material
A "damaged" material contains a few water stains or less that one-tenth of insulation with missing jackets and/or crushed insulation or water stains, gouges, punctures, or mars on surface up to one-tenth of the insulation if the damage is evenly distributed or up to one-quarter if the damage is localized.

Inaccessible Areas
An inaccessible area is any area where inspection access is not permitted or requires a considerable amount of mechanical or structural disassembly to inspect. Inaccessible areas normally only investigated prior to renovation or demolition activities. Examples of inaccessible areas are pipe chases behind solid walls, mechanically encased insulation, crawlspaces or unsafe areas.

Friable Material
A material, that when dry, may be crumbled, pulverized or reduced to powder by hand pressure is a friable material. Examples of friable materials include: pipe insulation, boiler or tank insulation, or sprayed-on fireproofing.

Homogeneous Area
A homogeneous area is defined as a group of materials that is uniform in texture and appearance, was stalled at one time, and is likely to consist of more than one type or formation of material.

Lead-Based Paint
Paint or surface coatings that contain lead levels greater than or equal to 1.0 milligram per square centimeter, or more than 0.5% lead by weight.

Non-friable Material
A material, that when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure. Non-friable materials may be come friable through damage or deterioration. Examples of non-friable materials include: intact floor tile, transite building panels, or well maintained roofing materials.

Significantly Damaged Material
A "significantly damaged" material contains missing jackets on at least one-tenth of the piping or equipment and/or is crushed, heavily gouged, or punctured insulation on at least one-tenth of pipe runs/rises, boilers, tanks, ducts, etc., if the damage is evenly distributed or one-quarter of the damage is localized.

APPENDIX A

ASBESTOS SAMPLE LOG

EDI
Environmental Design International Inc.

ENVIRONMENTAL DESIGN INTERNATIONAL INC.

ASBESTOS SAMPLE LOG
BUILDING 3000 – GREAT LAKES NAVAL BASE

Sample Number	Description of Sampled Material	Sample Location	Laboratory Results
HA1-01	**Transite**	**East Wall, Ceiling Room #2**	**25-30% Chrysotile**
HA1-02	**Transite**	**East Wall, Ceiling Room #2**	**N/A**
HA1-03	**Transite**	**East Wall, Ceiling Room #2**	**N/A**
HA2-04	Drywall	East Wall, Ceiling Room 2	ND
HA2-05	Drywall	East Wall, Ceiling Room 2	ND
HA2-06	Drywall	East Wall, Ceiling Room 2	ND
HA3-07	**Interior Window Caulk**	**West, South and North Walls**	**1-5% Chrysotile**
HA3-08	**Interior Window Caulk**	**West, South and North Walls**	**N/A**
HA3-09	**Interior Window Caulk**	**West, South and North Walls**	**N/A**
HA4-10	Exterior Window Caulk	West, South and North Walls	ND
HA4-11	Exterior Window Caulk	West, South and North Walls	ND
HA4-12	Exterior Window Caulk	West, South and North Walls	ND
HA5-13	**Exterior Window Glaze**	**West, South and North Walls**	**1-5% Chrysotile**
HA5-14	**Exterior Window Glaze**	**West, South and North Walls**	**N/A**
HA5-15	**Exterior Window Glaze**	**West, South and North Walls**	**N/A**
HA6-16	Roof Field	Roof	ND
HA6-17	Roof Field	Roof	ND
HA6-18	Roof Field	Roof	ND
HA7-19	Roof Flashing	Roof	ND
HA7-20	Roof Flashing	Roof	ND
HA7-21	Roof Flashing	Roof	ND
HA8-22	**Roof Caulk**	**Roof**	**1-5% Chrysotile**
HA8-23	**Roof Caulk**	**Roof**	**N/A**
HA8-24	**Roof Caulk**	**Roof**	**N/A**
SLA-01	Soil	West, North & South Side	ND

ENVIRONMENTAL DESIGN INTERNATIONAL INC.

Inspectors Name Jose Aguilera	Date Samples were Collected 03/26/09
Inspector's Signature Jose Aguilera	Date Lab Results Received 03/27/09

Note: All results greater than 1% are considered asbestos containing. ND = No Asbestos Detected
NA = sample not analyzed due to previous positive sample
Samples less than 1% asbestos content were point counted.
Refer to Appendix K for results
24 samples collected
4 samples greater than 1% asbestos content
0 samples less than 1 % asbestos content
8 samples not analyzed due to "stop at first positive" analysis
12 samples no asbestos detected

APPENDIX B

LEAD SAMPLE LOG

ENVIRONMENTAL DESIGN INTERNATIONAL INC.

LEAD SAMPLE LOG

BUILDING 3000 – GREAT LAKES NAVAL BASE

Sample Number	Description of Sampled Material	Material Location	Laboratory Results
P-01	Red Paint	Concrete Floor & Boiler Supports	Negative <0.0092%
P-02	Black Paint	Boiler Supports	Negative <0.0078%
P-03	White Paint	Interior Brick Walls	Negative 0.12%
P-04	Yellow Paint	Pipes, Railings & Stairs	Negative <0.0081%
P-05	**Grey Paint**	**Stairs & Rear Shop Table**	**Positive 5.0%**
P-06	Tan Paint	Exterior Wall & Front Door	Negative 0.011%
SLA-01	Soil	West, North & South Side	Negative 320mg/kg

Inspectors Name	Date Samples were Collected
William Higgins III	3-27-09
Inspector's Signature WH III	Date Lab Results Received 3-30-09

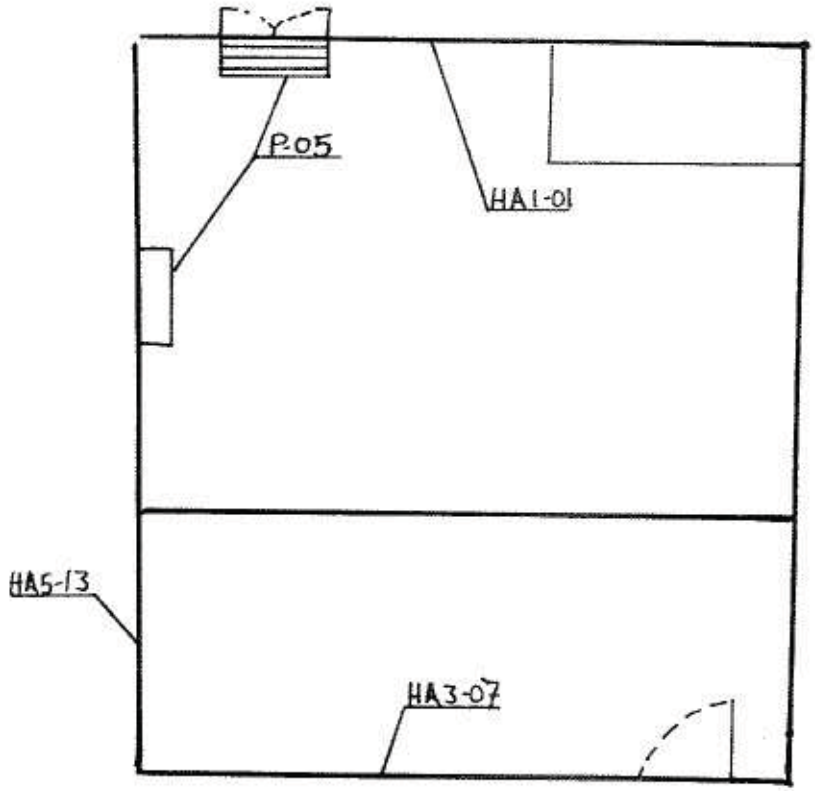
Note: All laboratory results greater that 0.5% by weight are considered lead-based paint.

07 Samples Collected
1 Lead-Based Paint Samples (greater than 0.5%)
0-Lead Soil Samples (greater than 1200mg/kg)

APPENDIX C

FIGURE 1

SAMPLE LOCATION DRAWING



First Floor Plan

NOT TO SCALE

WEST

Environmental Design International Inc.
CMI, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312)345-0529
www.envdesignl.com

CLIENT: NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC)

PROJECT: LIMITED ENVIRONMENTAL SURVEY, BLDG# 3000

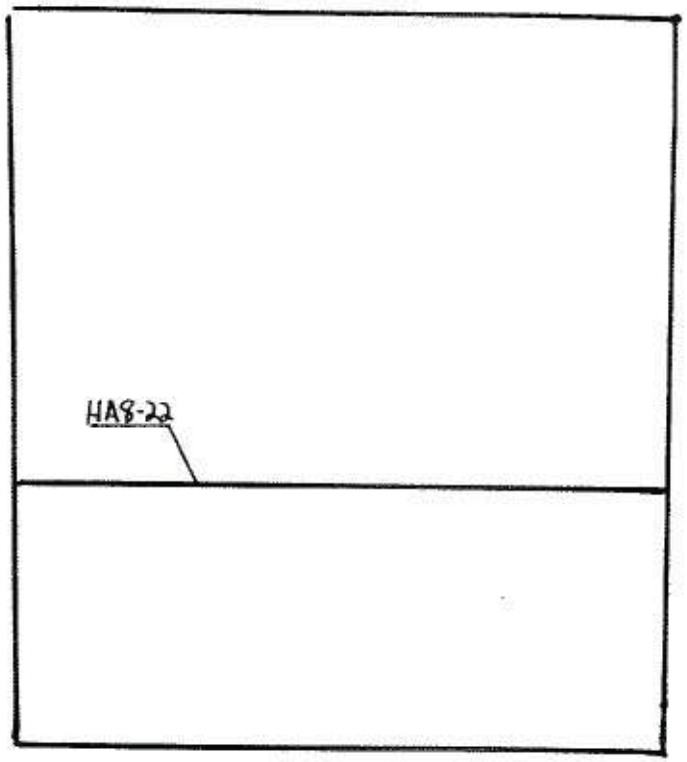
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001224

PROJ. No: 1602.010.01

DATE: 4-6-2009

DRAWN BY: JL

APPROVED BY: CE



Roof Plan

NOT TO SCALE

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Environmental Design International inc.
CM, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312)345-0529
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DATE: 4-6-2009

DRAWN BY: JL

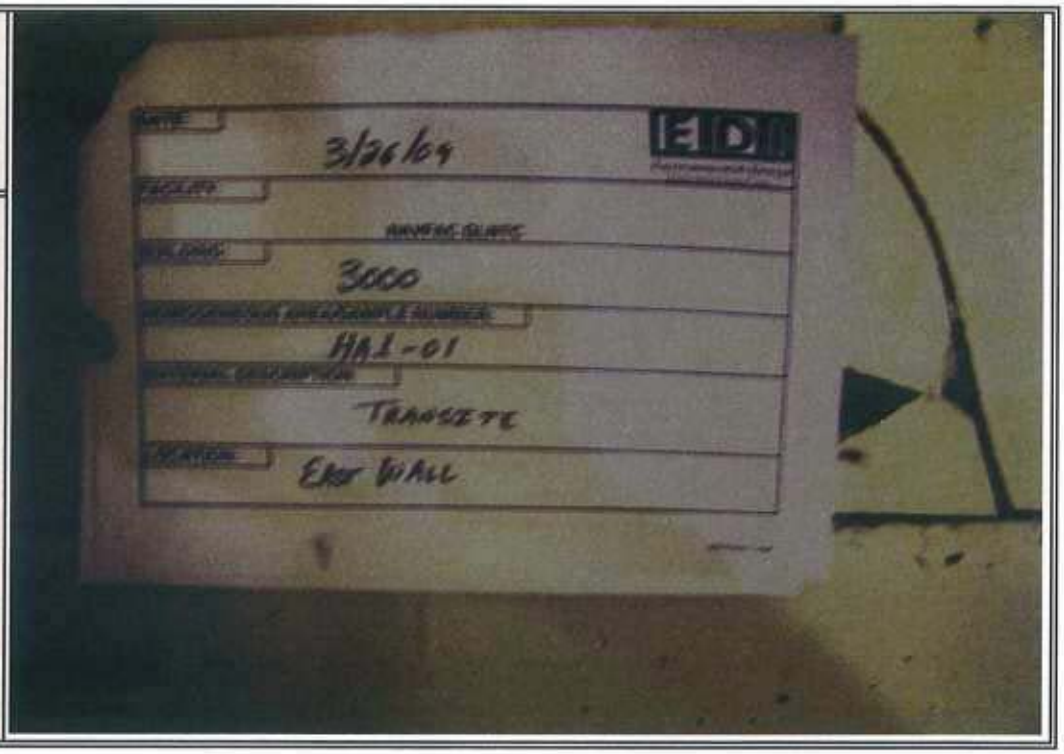
APPROVED BY: CE

APPENDIX D

SAMPLE PHOTOGRAPHS

PHOTOGRAPH LOG

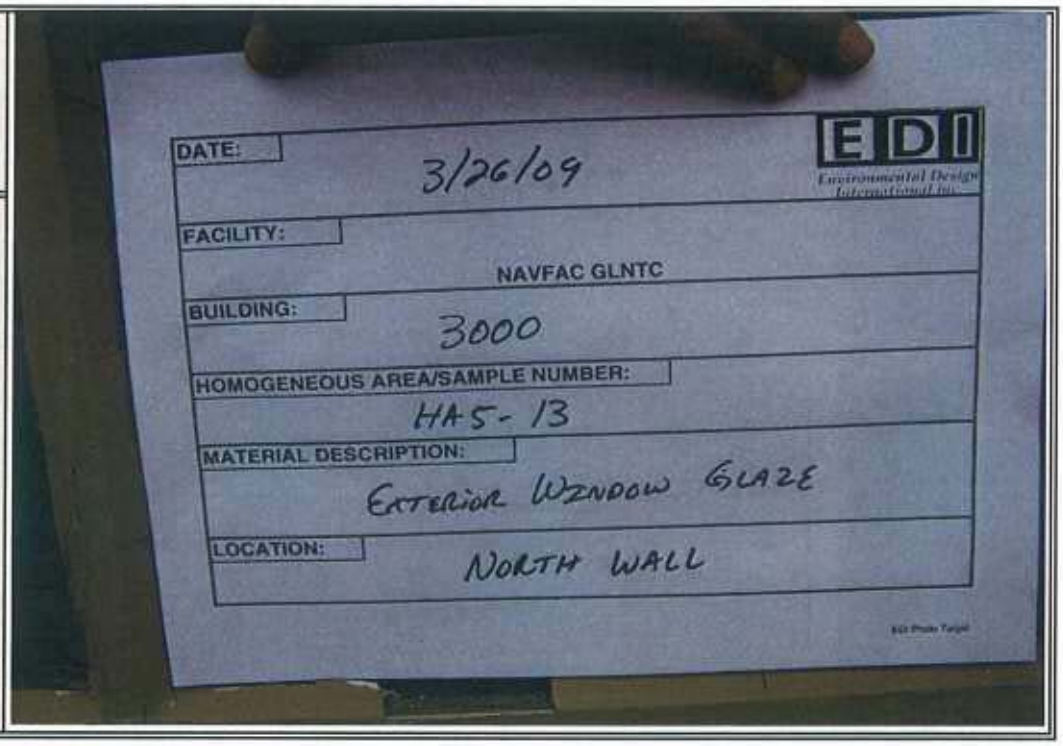
Project Name	*Building 3000 Boiler House Great Lakes Naval Base*

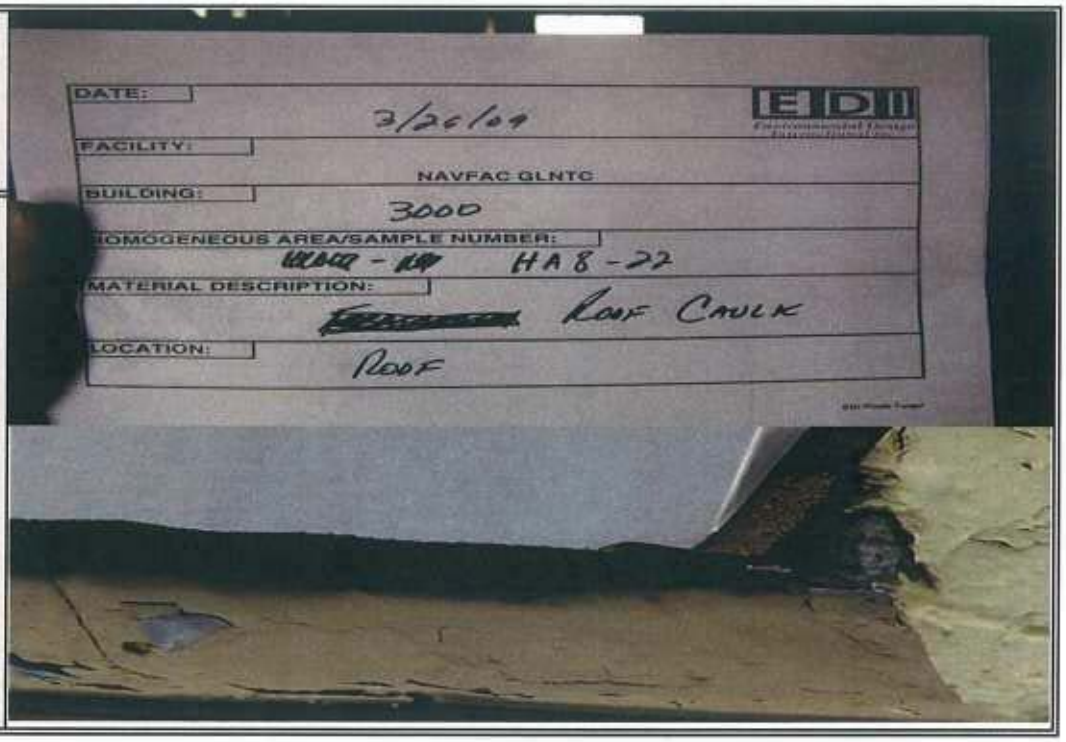
Project: 1602.010.01 ***Date: 03-26-09*** ***Photographed By:*** ***Jarret Land*** ***Description: Transite*** ***Sample # HA1-01*** ***PHOTO #1***	

Project: 1602.010.01 ***Date: 03-26-09*** ***Photographed By:*** ***Jarret Land*** ***Description: Interior Window Caulk*** ***Sample # HA3-07*** ***PHOTO # 2***	

PHOTOGRAPH LOG

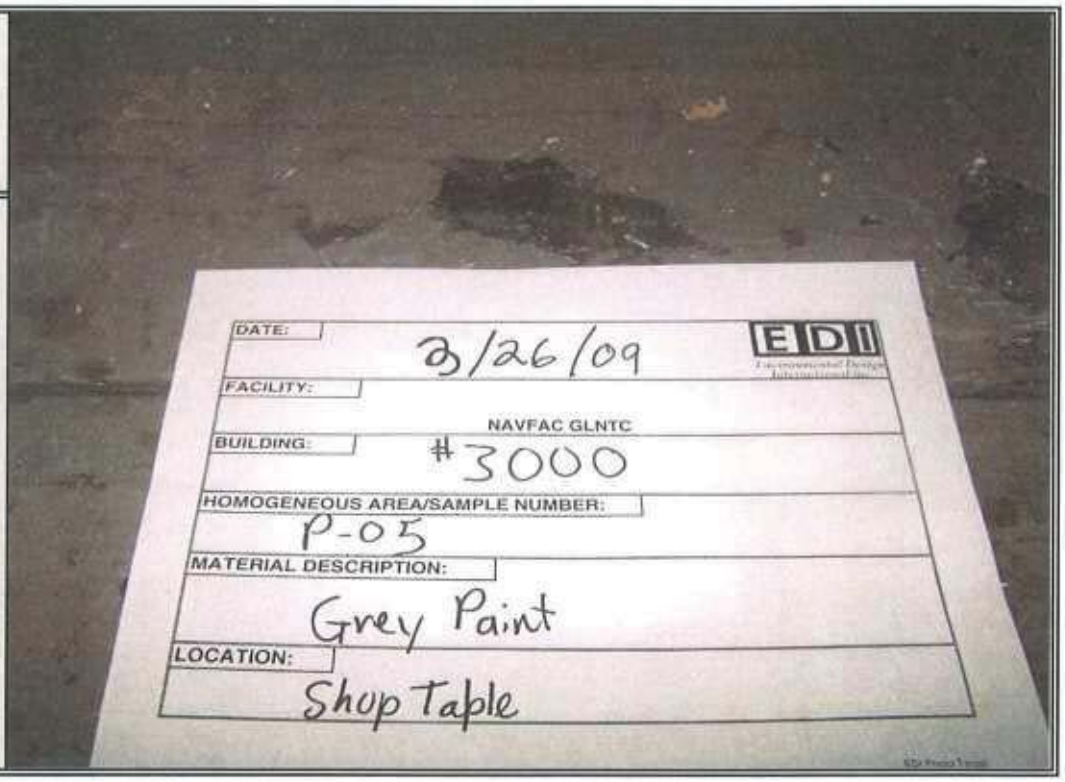
Project Name	*Building 3000 Boiler House Great Lakes Naval Base*

Project: 1602.010.01 *Date: 03-26-09* *Photographed By:* *Jarret Land* *Description: Exterior Window Glaze* *Sample # HA5-13* *PHOTO #3*	

Project: 1602.010.01 *Date: 03-26-09* *Photographed By:* *Jarret Land* *Description: Roof Caulk* *Sample # HA8-22* *PHOTO # 4*	

PHOTOGRAPH LOG

Project Name	*Building 3000 Boiler House Great Lakes Naval Base*

Project: 1602.010.01 ***Date: 03-26-09*** ***Photographed By:*** ***Jarret Land***	
Description:Grey Paint ***Sample # P-05*** ***PHOTO #5***	

Project: 1602.010.01 ***Date: 03-26-09*** ***Photographed By:*** ***Jarret Land***	
Description: TSI ***Sample # No samples taken insulation identified as Fiber Glass*** ***PHOTO #6***	

PHOTOGRAPH LOG

Project Name	*Building 3000 Boiler House Great Lakes Naval Base*

Project: 1602.010.01 ***Date: 03-26-09*** ***Photographed By:*** ***Jarret Land***	
Description: TSI ***Sample # No samples taken insulation identified as Fiber Glass*** ***PHOTO # 7***	

APPENDIX E

ASBESTOS LABORATORY RESULTS
CHAIN-OF-CUSTODY
LABORATORY CERTIFICATION

Batch #501356

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Environmental Design International inc.

200 S. Michigan Ave., Suite 700
Chicago, Illinois 60604
phone: 312.356.5400
fax: 312.356.5499

Offices also in:
Columbus, Ohio
Gary, Indiana
Milwaukee, Wisconsin

Custody and Sample Information - Complete ALL information. Put N/A in blanks not applicable. Press firmly.

1. Sender's Name/Project No.	2. Sampling Site Address/Contact Telephone No.	Indicate Analysis Requested
Jose Aguilera 1602.010.01	GLNTC BLDG 3000	
3. Sampled by (Signature) / **4. # of Samples in Shipment**	**5. Date of Sample Shipment** / **6. Date Results Needed**	
Jose Aguilera / 24	3/26/09	

Item No.	Sample Number	Sample Location/Description	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: Date	Time	VOLUME (L)	TIME (Minutes)	# of Containers	PLM	Lab Number
1	HA1-01	TRANSITE EAST WALL		✓												3/24/09				1		+
2	02	CEILING		✓																		NA
3	03																					NA
4	HA2-04	DRYWALL EAST WALL																				—
5	05	CEILING																				—
6	06																					—
7	HA3 07	INTERIOR WINDOW CAULK																				+
8	08	WEST, SOUTH, NORTH																				NA
9	09																					NA
10	HA4-10	EXTERIOR WINDOW CAULK																				—

Time In:	Time Out:	Total Hours:	Signature:	Print Name:
		Samples analyzed by Joe Angle		3/27/09

Released by (Signature)	Date/Time Released	Delivery Method	~~Released by~~ (Signature)	Date/Time Released	Company/Agency Affiliation	Condition Noted
Jose Aguilera	3/26/09			3/27/09		
			To Archive/Disposal			

Comments: STOP C 1ST POSITIVE

White—Client/Customer Copy
Yellow—Billing Copy
Pink—In-House File Copy

Report Number: _____ Page 1 Of 3

Batch # 501356

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Environmental Design International inc.

200 S. Michigan Ave., Suite 700
Chicago, Illinois 60604
phone: 312.356.5400
fax: 312.356.5499

Offices also in:
Columbus, Ohio
Gary, Indiana
Milwaukee, Wisconsin

Custody and Sample Information - Complete ALL information. Put N/A in blanks not applicable. Press firmly.

1. Sender's Name/Project No.	2. Sampling Site Address/Contact Telephone No.	Indicate Analysis Requested
Jose Aguilera	GLNTC BLDG 3000	
3. Sampled by (Signature) / 4. # of Samples in Shipment	5. Date of Sample Shipment / 6. Date Results Needed	
Jose Aguilera / 24	3/26/09	

Item No.	Sample Number	Sample Location/Description	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: Date	Time	VOLUME (L)	TIME (Minutes)	# of Containers	PCB	MS	% ASB Laboratory Number
1	HA4-11	EXTERIOR/WINDOW CAULK		✓												3/26/09				1			–
2	12	WEST, SOUTH, NORTH		"												"				"			–
3	HA5-13	EXTERIOR WINDOW GLAZE																					+
4	14	WEST, SOUTH, NORTH																					NA
5	15	" " "																					NA
6	HA6-16	ROOF FIELD																					–
7	17	" "																					–
8	18																						–
9	HA7-19	ROOF FLASHING																					–
10	20	" "																					–

Time In:	Time Out:	Total Hours:	Signature:	Print Name:

Released by (Signature)	Date/Time Released	Delivery Method	Released by (Signature)	Date/Time Released	Company/Agency Affiliation	Condition Noted
Jose Aguilera	3/26/09					
			To Archive/Disposal			

Comments: STOP C 1st POSITIVE

White—Client/Customer Copy
Yellow—Billing Copy
Pink—In-House File Copy

Report Number: _____

Environmental Design International inc.

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Batch # 501356

200 S. Michigan Ave., Suite 700
Chicago, Illinois 60604
phone: 312.356.5400
fax: 312.356.5499

Offices also in:
Columbus, Ohio
Gary, Indiana
Milwaukee, Wisconsin

Custody and Sample Information - Complete ALL information. Put N/A in blanks not applicable. Press firmly.

1. Sender's Name/Project No.	2. Sampling Site Address/Contact Telephone No.	Indicate Analysis Requested
Jose Aguilar	GLNTC Bldg 300	
3. Sampled by (Signature)	**4. # of Samples in Shipment**	**5. Date of Sample Shipment**	**6. Date Results Needed**
Jose Aguilar	24	3/26/09	

Item No.	Sample Number	Sample Location/Description	COMP	GRAB	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO_3	H_2SO_4	ICE	NONE	OTHER	Sampling: Date	Time	VOLUME (L)	TIME (Minutes)	# of Containers	P L M	010 ASB Laboratory Number
1	HA7-21	Roof Flashing		✓												3/26/09				1		—
2	HA8-22	Roof Caulk		″												″				″		+
3	23	″ ″		″												″				″		NA
4	24	″ ″		″												″				″		NA
5																						
6																						
7																						
8																						
9																						
10																						

Time In:	Time Out:	Total Hours:	Signature:	Print Name:

Released by (Signature)	Date/Time Released	Delivery Method	Released by (Signature)	Date/Time Released	Company/Agency Affiliation	Condition Noted
Jose Aguilar	3/26/09					
			To Archive/Disposal			

Comments:

White—Client/Customer Copy
Yellow—Billing Copy
Pink—In-House File Copy

Report Number: _____ Page 3 Of 3

Environmental Design International
200 S. Michigan Ave.
Suite 700
Chicago, IL 60604

NVLAP Accredited# 101868-0

LABORATORY ANALYSIS REPORT

BATCH# 501356

Bulk Asbestos Identification

Client
Client Reference 1602.010.01

Site Building #3000
Sender Jose Aguilera

Date Received 03/27/2009 **by** Joseph Anzlovar
Date Collected 03/26/2009 **by** Jose Aguilera
Method EPA-600/R-93/116, using Polarized Light Microscopy

Date Analyzed 03/27/2009 **by** Joseph Anzlovar
Date Reported 03/30/2009 **by** Jarrett Land

Field #	Lab #	Asb Detected	% Asbestos	% Fibrous Material	% NonFibrous Material	Homogen.	Color	Description, Location
HA1-01	1	Yes	Chrysotile 25 - 30		Binder 70	Yes	Gray	East Wall Transite
HA2-04	2	No		Cellulose 15 - 20	Binder 80		White Brown	East Wall Drywall
HA2-05	3	No		Cellulose 15 - 20	Binder 80		White Brown	Ceiling Drywall
HA2-06	4	No		Cellulose 15 - 20	Binder 80		White Brown	Ceiling Drywall
HA3-07	5	Yes	Chrysotile 1 - 5		Binder 95		Black Gray	Interior Window Caulk
HA4-10	6	No			Binder 100		White Gray	Exterior Window Caulk
HA4-11	7	No			Binder 100		White Gray	Exterior Window Caulk
HA4-12	8	No			Binder 100		White Gray	Exterior Window Caulk
HA5-13	9	Yes	Chrysotile 1 - 5		Binder 95	Yes	Gray	Exterior Window Glaze
HA6-16	10	No		Fibrous Glass 10 - 15 Cellulose 1 - 5	Binder 80	Yes	Black	Roof Field
HA6-17	11	No		Fibrous Glass 10 - 15 Cellulose 1 - 5	Binder 80	Yes	Black	Roof Field
HA6-18	12	No		Fibrous Glass 10 - 15 Cellulose 1 - 5	Binder 80	Yes	Black	Roof Field
HA7-19	13	No		Fibrous Glass 5 - 10 Cellulose 5 - 10	Binder 80	Yes	Black	Roof Flashing
HA7-20	14	No		Fibrous Glass 5 - 10	Binder 80	Yes	Black	Roof Flashing

Note This report summarizes the analytical results for the bulk material samples submitted for asbestos identification. Analysis of sample was performed in accordance with the Method #EPA-600/R-93/116 utilizing polarized light microscopy with dispersion staining. This report relates only to the items tested and must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced, except in full, and only with written approval of the laboratory.

ANALYST

LABORATORY ANALYSIS REPORT

BATCH# 501356

Bulk Asbestos Identification

Client		**Site**	Building #3000
Client Reference	1602.010.01	**Sender**	Jose Aguilera
Date Received	03/27/2009 **by** Joseph Anzlovar	**Date Analyzed**	03/27/2009 **by** Joseph Anzlovar
Date Collected	03/26/2009 **by** Jose Aguilera	**Date Reported**	03/30/2009 **by** Jarrett Land
Method	EPA-600/R-93/116, using Polarized Light Microscopy		

Field #	Lab #	Asb Dete-cted	% Asbestos	% Fibrous Material	% NonFibrous Material	Ho-mo-gen.	Color	Description, Location
				Cellulose 5 - 10				
HA7-21	15	No		Fibrous Glass 5 - 10 Cellulose 5 - 10	Binder 80	Yes	Black	Roof Flashing
HA8-22	16	Yes	Chrysotile 1 - 5	Cellulose 1 - 5	Binder 90	Yes	Black	Roof Caulk

Note This report summarizes the analytical results for the bulk material samples submitted for asbestos identification. Analysis of sample was performed in accordance with the Method #EPA-600/R-93/116 utilizing polarized light microscopy with dispersion staining. This report relates only to the items tested and must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced, except in full, and only with written approval of the laboratory.

ANALYST

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Environ. Design International
33 W Monroe, Suite 1825
Chicago IL 60603

Report Date: 4/1/2009
Project: GLNTC Bldg 3500, J.A.&J.A.
Project No.: 1602.010.01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 093565678
Client No.: SLA-01
Description / Location: Black Soil
West, North & South Soil

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Cellulose	100

Note: Not building material. 1% threshold may not apply.

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: V. Smith

Approved By: _____

Date: 4/1/2009

Frank E. Ehrenfeld, III
Laboratory Director

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101868-0

Environmental Design International inc.

Chicago, IL

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

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 18 June 2005).

2008-10-01 through 2009-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV 2006-09-13)

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Environmental Design International inc.
200 South Michigan Avenue, Suite 700
Chicago, IL 60604
Mr. Joseph F. Anzlovar
Phone: 312-345-1400 X222 Fax: 312-345-0529
E-Mail: janzlovar@envdesigni.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 101868-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2008-10-01 through 2009-09-30
Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

September 25, 2008

Mr. Joseph F. Anzlovar
Environmental Design International inc.
200 South Michigan Avenue, Suite 700
Chicago, IL 60604

NVLAP Lab Code: 101868-0

Dear Mr. Anzlovar:

I am pleased to inform you that continuing accreditation for specific test methods in Bulk Asbestos Fiber Analysis (PLM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until September 30, 2009, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP symbol and/or term in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Thomas R. Davis, Sr. Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

Sally S. Bruce

Sally S. Bruce, Chief
Laboratory Accreditation Program

Enclosure(s)

APPENDIX F

LEAD LABORATORY RESULTS
CHAIN-OF-CUSTODY
LABORATORY CERTIFICATION

International Asbestos Testing Laboratories
9000 Commerce Parkway, Suite B
Mt. Laurel, NJ 08054

Tel. 856 231-9449
Fax. 856 231-9818
info@iatl.com

Chain of Custody / Transmittal
PRELIMINARY RESULTS
Lead Analysis

Client: ENVIRONMENTAL DESIGN INT'L INC
33 W. MONROE STE 1825
CHICAGO, ILL. 60603

Facility: GLNTC BLDG. 3000, [illegible] & 2600 I.A.

Instructions: ANALYZE FOR LBP
ANALYZE SOIL FOR Pb & ASBESTOS.

Analysis: Atomic Absorption Spectroscopy (Flame / Furnace)
Method: ASTM 3335-85a (Paint/Wipe) / NIOSH 7082 (Air)
EPA SW846 (Soil) / EPA 200.7 ASTM D3359-90D (Water)

Project #: 1602.010.01

Client Contact: JARRETT LAND
Telephone: (312) 345-1400 X149
Fax: (312) 345-0529
Date: 3/27/09

Lab Contact: Shirley Clark / Ray Sankey
Lab Director: Frank Ehrenfeld

Turn Around: [illegible]

Samples Relinquished: [illegible]	Date: 3/27/09	Time: 16:00
Samples Received: [illegible]	Date: 3/30/09	Time:
Sample Prep/Analysis: [illegible] 3/30/09	Date:	Time:
Prelim. Results Released:	Date:	Time:

RECEIVED
MAR 30 2009

Summary Data

Client Sample #	IATL #	Location / Description	Area (ft²) Volume (L)*	AAS Results
P-01	3565672	FLOOR & BOILER SUPPORT PAINT CHIP RED		
P-02	3565673	BOILER SUPPORT PAINT CHIP BLACK		
P-03	3565674	WALLS PAINT CHIP WHITE		
P-04	3565675	PIPES, RAILINGS, STAIRS PAINT CHIP YELLOW		
P-05	3565676	STAIRS, REAR SHOP TABLE PAINT CHIP GREY		
P-06	3565677	EXTERIOR DOOR & WALL PAINT CHIP TAN		
SLA-01	3565678	WEST, NORTH & SOUTH SOIL		

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg)
*** = Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s).
ML = Multi Layered Sample. May result in inconsistent results.

Page 1 of 1

These **preliminary results** are issued by IATL to expedite procedures by clients based upon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Environ. Design International
33 W Monroe, Suite 1825
Chicago IL 60603

Report Date: 3/30/2009
Report Number: 03098167
Project: GLNTC Bldg.3000,JA&JA 3/27
Project No.: 1602.010.01

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Concentration Lead By Weight (%)
3565672	P-01	Red Paint Chip Floor & Boiler Support	<0.0092
3565673	P-02	Black Paint Chip Boiler Support	<0.0078***
3565674	P-03	White Paint Chip Walls	0.12
3565675	P-04	Yellow Paint Chip Pipes,Railings & Stairs	<0.0081
3565676	P-05	Grey Paint Chip Stairs, Rear Shop Table	5.0
3565677	P-06	Tan Paint Chip Exterior Door & Wall	0.011

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0024% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 3/30/2009

Date Analyzed: 3/30/2009

Analyst: C. Shaffer

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories
9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client:	Environ. Design International		**Report Date:**	3/30/2009
	33 W Monroe, Suite 1825		**Report Number:**	03098168
	Chicago	IL 60603	**Project:**	GLNTC Bldg.3000,JA&JA 3/27/09
			Project No.:	1602.010.01

LEAD SOIL SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Lead Concentration (mg/kg)
3565678	SLA-01	East,North&South; Soil	320

NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)

AIHA No. 100188 / NYSDOH-ELAP No. 11021

Analysis Method: EPA SW846-(7420/7421) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges And Sediments By AAS"

Comments: IATL assumes that all of the sampling methods and data upon which these results are based, have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40 CFR Part 136 Appendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=2.9 mg/kg RL=10 mg/kg (based upon 1000 mg sampled). Mg/kg=ppm Sample results are not corrected for contamination by field or analytical blanks.

Date Received: 3/30/2009

Date Analyzed: 3/30/2009

Analyst: C. Shaffer

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

AIHA Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

International Asbestos Testing Laboratories (IATL)

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054

Laboratory ID: 100188

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

ACCREDITATION PROGRAMS

✓	INDUSTRIAL HYGIENE	Accreditation Expires: 05/01/2009
✓	ENVIRONMENTAL LEAD	Accreditation Expires: 05/01/2009
☐	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires:
☐	FOOD	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation.** Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation.** Please review the AIHA website for the most current status of the scope of accreditation.

Pamela A. Kostle

Pamela A. Kostle, CIH
Chairperson, Analytical Accreditation Board

Lindsay E. Booher

Lindsay E. Booher, CIH, CSP
President, AIHA

Date Issued: 03/24/2009

APPENDIX G

EDI EMPLOYEE CERTIFICATION

PUBLIC HEALTH

LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
012912	3/10/2009	1/31/2010

William Higgins
33 W Monroe Suite 1825
Chicago, IL 60603

LEAD PROGRAM
Environmental Health

Occupational Training & Supply, Inc.

7233 Adams Street • Willowbrook, IL 60527 • (630) 655-3900

William C. Higgins III

has successfully completed the 24 hour Lead Inspector course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health in accordance with the Illinois Lead Poisoning Prevention Code.

Lead Inspector

Course Date: November 26-28, 2007
Expiration Date: November 28, 2010

Exam Date: November 28, 2007
Certificate: LI0711282887

Kathy Nicholson, Director

2007

Occupational Training & Supply, Inc.

7233 Adams Street • Willowbrook, IL 60527 • (630) 655-3900

William C. Higgins III

has successfully completed the 16 hour Lead Risk Assessor course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health in accordance with the Illinois Lead Poisoning Prevention Code.

Lead Risk Assessor

Course Date: November 29-30, 2007
Expiration Date: November 30, 2010

Exam Date: Noumeber 30, 2007
Certificate: LRA0711302917

Kathy Nicholson, Director

2007

Lead (Pb) Certification Examination

This certifies that

WILLIAM CALVIN HIGGINS

200 S MICHIGAN AVE STE 200 , CHICAGO IL 60604-2435

has passed the DHFS certification exam as required for certification as a Risk Assessor -- Lead under ch. HFS 163, Wis. Adm. Code

Exam Pass Date: 12/05/2007
DHFS Certification #: 120390

Wisconsin Department of Health & Family Services
Division of Public Health
Bureau of Occupational Health
Asbestos & Lead (Pb) Section
1 W Wilson St, PO Box 2659
Madison, WI 53701-2659
Phone: (608) 261-6876

Shelley A Bruce

Shelley A Bruce,
Unit Supervisor

PUBLIC HEALTH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 11233	3/19/2009	05/15/2010

JARRETT M LAND
6139 SOUTH LOOMIS BLVD
CHICAGO, IL 60636

Environmental Health

ENDORSEMENTS	TC EXPIRES
INSPECTOR	2/6/2010

AIR SAMPLING PROFESSIONAL

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois
Department of Public Health
This license is valid only when accompanied by a valid
training course certificate

Occupational Training & Supply, Inc.

7233 Adams Street • Willowbrook, IL 60527 • (630) 655-3900

Jarrett Land

has successfully completed the 4 hour Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health and the Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Asbestos Building Inspector Refresher

Course Date: 2/6/2009
Expiration Date: 2/6/2010

Exam Date: 2/6/2009
Certificate: BIR0902060377

Kathy DeSalvo, Director

2009

PUBLIC HEALTH

ASBESTOS PROFESSIONAL LICENSE

ID NUMBER	ISSUED	EXPIRES
100 - 10088	1/27/2009	05/15/2009

JOSE G AGUILERA
2620 S. CENTRAL PARK AVEN
CHICAGO, IL 60623

Environmental Health

ENDORSEMENTS	TC EXPIRES
INSPECTOR	2/15/2009
PROJECT MANAGER AIR SAMPLING PROFESSIONAL	5/9/2009

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois
Department of Public Health
This license is valid only when accompanied by a valid training course certificate.

Occupational Training & Supply, Inc.

7233 Adams Street • Willowbrook, IL 60527 • (630) 655-3900

Jose Aguilera

has successfully completed the 4 hour Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. This course is accredited by the Illinois Department of Public Health and the Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA) and TSCA Title II.

Asbestos Building Inspector Refresher

Course Date: 2/6/2009
Expiration Date: 2/6/2010

Exam Date: 2/6/2009
Certificate: BIR0902060360

Kathy DeSalvo

Kathy DeSalvo, Director

2009

APPENDIX H

ENVIRONMENTAL HAZARD SURVEY

OTHER ENVIRONMENTAL HAZARDS
BUILDING 3000 – GREAT LAKES NAVAL BASE

Location	Material	Estimated Quantity
South Wall	40 lb. Water Softener/Salt	50 ea.
Room 1	Thermostats	1 ea.
Ceiling	Fluorescent Lights	6 ea.