

**Proposed Softball Park Site
located at
917 and 1000 Siebenmorgan Road
Conway, Arkansas**

Asbestos Inspection and Assessment

Report date: October 22, 2007

**Prepared for: City of Conway
Conway, Arkansas**

Prepared by:



**ECOLOGIC, INC. (ADEQ License #000257)
Anne Woker (ADEQ Inspector Certification #000192)
419 Main Street
North Little Rock, Arkansas 72114
(501) 912-8400**

EXECUTIVE SUMMARY

Ecologic, Inc. was retained to perform a pre-demolition inspection for accessible asbestos-containing building materials (ACBM) in two single-family dwellings located 917 and 1000 Siebenmorgan Road for the new softball park for the City of Conway, Arkansas.

The following table presents those suspect materials sampled.

Location	Material Description	Asbestos Content
917 Siebenmorgan Road	Textured Ceiling Paint	None Detected
917 Siebenmorgan Road	Linoleum	None Detected
1000 Siebenmorgan Road	Textured Ceiling Paint	None Detected

There were no asbestos-containing materials discovered in either of the two houses.

A copy of this inspection report should be provided to the demolition contractor performing the demolition of the building. The ADEQ requires that a copy of the report remain on site during demolition activities and available for their review upon request.

A notice of intent (NOI) to demolish must be filed with the ADEQ at least ten working days prior to initiation of demolition work. Because there are no asbestos-containing materials, there is no fee associated with the NOI.

Further detail regarding the building materials sampled is provided in the body of this report.

Based on the scope of work defined by the agreement between Ecologic and the Client, the limitations of this survey are described in detail in the body of this report. Understanding these limitations is vital to the use of this report's findings. The personnel at Ecologic will gladly assist you in the interpretation of the report's findings.

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**Proposed Softball Park
Siebenmorgan Road
Conway, Arkansas
Asbestos Survey Report**

INTRODUCTION

Any facility may contain a variety of Asbestos-Containing Material (ACM). Materials which are suspect for containing asbestos include over 3,600 different products. Examples of suspect material include thermal system insulation such as boiler, chiller, and pipe and pipe joint insulation; surfacing materials such as spray-applied or troweled on fireproofing, textured paint and acoustical spray ceilings; and miscellaneous materials like floor tile, floor tile adhesive, ceiling tile, transite or cement panels and roofing materials.

PURPOSE OF STUDY

Ecologic, Inc. was retained to perform a pre-demolition inspection for accessible asbestos-containing building materials (ACBM) in two single-family dwellings located on Siebenmorgan Road proposed site for the new softball park for the City of Conway. The two houses are identified as 917 and 1000 Siebenmorgan Road.

Anne Woker of Ecologic, Inc. performed the on-site study to 1) identify suspect asbestos-containing building materials, 2) collect bulk samples of suspect materials for analysis, and 3) quantify suspect asbestos-containing building materials. Ms. Woker is an ADEQ certified asbestos inspector (ADEQ Certification #000192). Ecologic, Inc. is a licensed asbestos consulting firm (ADEQ License #000257). The inspection was conducted on August 27, 2007.

DEFINITION OF ASBESTOS-CONTAINING MATERIAL

Federal and state regulatory agencies define an asbestos-containing material as any building material that contains greater than 1% asbestos. The percentage of asbestos and the determination if a material contains asbestos can only be determined by laboratory analysis.

METHODOLOGY

Inspection procedures were followed in accordance to the US EPA Asbestos Hazard and Emergency Response Act (AHERA) or 40 CFR Part 763. Suspect materials were categorized by material category (surfacing, thermal system insulation and miscellaneous materials), identified by homogeneous areas and sampled according to AHERA sampling protocol. Homogeneous materials are those building materials that,

by visual and manual inspection, are similar in texture, color, composition and use in the building, and are deemed to be the same material.

If all samples collected from a homogeneous material, subsequent to analysis by a NVLAP accredited laboratory, result in less than 1% or "no asbestos" being detected, the material is deemed to be asbestos free for the purpose of EPA, OSHA and state regulations.

Any materials analyzed as containing asbestos in percentages equal to or less than 1% are described as containing "trace" amounts of asbestos.

Asbestos samples were sent to the Crisp Analytical laboratory in Houston, Texas: NVLAP #200592-0. Crisp Analytical participates in National Institute for Standards and Testing National Voluntary Laboratory Accreditation Program proficiency testing program as well as inter- and intra-laboratory exchange programs. Samples were analyzed via Polarized Light Microscopy (PLM) with dispersion staining. All percentages reported for composition are based on visual estimation or gravimetric determinations. Please refer to the Appendix for copies of the laboratory reports.

Following the detection of asbestos within a homogeneous sampling group, laboratory analysis was not performed for the additional samples within that homogeneous material. In other words, analysis was halted after asbestos was contained within a homogeneous material's samples.

PHYSICAL ASSESSMENTS

The fundamental principle of the physical assessment methodology is that the tendency for ACM to release fibers is directly related to the degree that the material has been or will be disturbed. The physical assessment considers the current condition of the ACM. ACM in poor condition reflects past and perhaps ongoing disturbance or deterioration.

The *current condition* of asbestos containing building materials is classified by a damage rating. The condition of ACM is classified as *good*, *damaged* and *significant damaged*.

Good: The material shows no indications of damage, deterioration, or delamination.

Damaged: Damaged ACM can be characterized by stains, scrapes, gouges, mars, flaking, blistering, or other signs of deterioration covering less than 25% of the homogeneous area if evenly distributed or 10% if the damage is localized.

Significant Damage: Poor condition: The loss of structural integrity or covering in whole or in part, is crushed, missing large pieces, or not intact.

FINDINGS

The Arkansas Department of Environmental Quality (ADEQ) regulates certain types and quantities of asbestos-containing materials. These regulated asbestos-containing materials (RACM) include friable materials and some non-friable materials. The following table presents those suspect materials sampled.

Location	Material Description	Asbestos Content
917 Siebenmorgan Road	Textured Ceiling Paint	None Detected #917-01-01; 917-01-02
917 Siebenmorgan Road	Linoleum	None Detected 917-02-01
1000 Siebenmorgan	Textured Ceiling Paint	None Detected 1000-01-01; 1000-01-02
1000 Siebenmorgan	Addition Textured Ceiling Paint	None Detected 1000-02-01

SUMMARY

The inspection of the Proposed Softball Park on Siebenmorgan Road in Conway, Arkansas identified suspect asbestos-containing materials. Samples were collected and analyzed to determine the asbestos content.

There were no asbestos-containing materials discovered in the two houses on the proposed softball park site.

Asbestos-containing materials are commonly found in inaccessible building spaces (i.e., crawl spaces, between walls, under floors, behind other building materials, etc.) Ecologic, Inc. recommends a copy of the asbestos survey be given to the general contractor responsible for building demolition. The general contractor should be asked to exercise caution when uncovering primarily inaccessible spaces to prevent disturbance of or damage to unidentified asbestos-containing materials. If a suspect material is uncovered, the contractor should stop work and notify the building owner's representative of the locations of the suspect material. The building owner's representative should then contact a certified asbestos building inspector to sample the suspect material.

RECOMMENDATIONS

A copy of this inspection report should be provided to the demolition contractor performing the demolition of the building. The ADEQ requires that a copy of the report remain on site during demolition activities and available for their review upon request.

A notice of intent (NOI) to demolish must be filed with the ADEQ at least ten working days prior to initiation of demolition work. There is no fee associated with the NOI.

LIMITATIONS

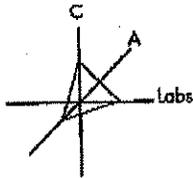
Ecologic, Inc. performed service in a manner consistent with the level of care and expertise exercised by members of the environmental auditing/risk assessment profession. Ecologic, Inc. does not imply or guarantee that every material on the property, or in the property building, which may potentially have asbestos as a component has been identified and/or sampled. Over 3,000 materials/products in or imported into the United States have been identified in which asbestos has historically been a component. The sampling program is intended to identify accessible materials most likely to contain asbestos in quantities subject to regulation. A guarantee that all asbestos materials have been identified and/or samples would require cost-prohibitive and destructive sampling protocols.

All conclusions regarding these properties represent the professional opinions of the Ecologic, Inc. personnel involved with the project, and the results of this report should not be considered a legal interpretation of existing environmental regulations. Ecologic, Inc. assumes no responsibility or liability for errors in data utilized from sources outside of Ecologic, Inc. or developments resulting from situations outside the scope of this project.

ASBESTOS SAMPLE ANALYSIS REPORTS

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

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TIFF (Uncompressed) decompressor
are needed to see this picture.



Crisp Analytical Laboratories, LLC.

2081 Hutton Dr., Suite 301
 Carrollton, TX 75006
 PH: (972) 488-1414
 Fax: (972) 488-8006

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**Polarized Light Microscopy
 Bulk Asbestos Analysis
 Laboratory Analysis Report**

Ecologic, Inc.
 419 Main St.
 North Little Rock, AR 72114

Reference Number: CAH07081170

LABORATORY ANALYSIS METHOD:

Summary of polarizing light microscopy (PLM / stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim) and EPA /600/R-93/116 (Improved). All analysts have received the necessary in-house and extramural training (McCrone Research and/or University Degree in Geology, Biology, Environmental and Material Science) to perform analysis of bulk samples for the presence or absence of asbestos. Greater than one percent are re-examined by a second analyst for intralaboratory quality control. Greater than one percent are re-examined by the same analyst for quality control. All analysts are required to participate in quality control analysis rounds. Microscopic calibrations are performed on a daily, weekly and monthly basis. **CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne fiber analysis (TEM).** Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured.

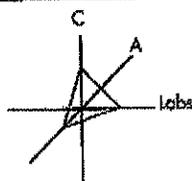
Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. All asbestos qualification is traceable to NIST standards for regulated asbestos types. Analysts' calibrated visual estimated percentages are susceptible to variance. All quantifications fall within a range of acceptable percentages, depending on the actual concentration of asbestos:

% Area Asbestos	Acceptable Mean Results	% Area Asbestos	Acceptable Mean Result
1%	> 0-3%	50%	40-60%
5%	> 1-9%	60%	50-70%
10%	5-15%	70%	60-80%
20%	10-30%	80%	70-90%
30%	20-40%	90%	80-100%
40%	30-50%	100%	90-100%

These results are submitted pursuant to CA Labs' current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Labs at Houston, L.L.C. 5829 W Sam Houston Parkway N. Suite 803 Houston, TX 77041.

Dallas NVLAP Lab Code 200349-0 TEM / PLM EPA 1120 TX 01402 TDH 30-0235 AIHA Accreditation 102929
 Baton Rouge NVLAP Lab Code 200772-0 TEM/PLM TDH 30-0370 I/DEQ/I/ELAP 03069
 Houston NVLAP Lab Code 200773-0 TEM/PLM TDH 30-0368



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Crisp Labs at Houston, L.L.C.
 5829 West Sam Houston Parkway North, Suite 803
 Houston, TX 77041
 PH: (713) 983-6336
 Fax: (713) 983-6776

Polarized Light Microscopy Report

Analysis Method: Interim (40CFR Part 763 Appendix K to Subpart E) / Improved (EPA-800 / R-93/116)
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Customer Information:
 Ecologic, Inc.
 419 Main St.
 North Little Rock, AR 72114

Customer Project:
 City Of Conway

CA Labs Project #:
 CAH07081170

Date: 08/28/07

Phone: 501-912-8400

Turnaround Time: 4HR

Samples Received: 08/28/07

Fax: 866-564-2746

Attn: Anne Woker

Purchase Order #:

Sample#	Layer #	Analyst's Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected - absent / ash and visual% = present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
917-01-01	1	White Texture	y	None Detected	2% Cellulose	24% Binder 1% Mica 73% Carbonates
917-01-02	1	White Texture	y	None Detected	1% Cellulose	20% Binder 18% Glass 61% Carbonates
917-01-03	1	White Texture	y	None Detected	1% Cellulose	30% Binder 2% Mica 67% Carbonates
917-02-01	1	Beige Linoleum	n	None Detected	1% Cellulose	70% Binder 29% Carbonates
	2	Tan Mastic	y	None Detected	2% Cellulose	98% Binder
1000-01-01	1	White Texture	y	None Detected	3% Cellulose	28% Binder 1% Mica 68% Carbonates
1000-01-02	1	White Texture	y	None Detected	2% Cellulose	24% Binder 2% Mica 72% Carbonates
1000-02-01	1	Textured Material	n	None Detected	1% Cellulose	70% Binder 29% Carbonates

NVLAP Lab Code: 200773-0 TDM 30-0368

Approved Signatory:

Michael Zeilstra
 Michael Zeilstra
 Analyst

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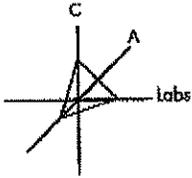
Michael Zeilstra
 Laboratory Director

Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM/Chamber analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates according to NIST standards for regulated asbestos types. Analysts' percentages fall within a range of acceptable percentages, depending on the actual composition of asbestos. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne fiber analysis (TEM). CA Labs is accredited by AIIA for Aspm. This test report relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from CA Labs. This method is not covered by the scope of AIIA accreditation.

These results are submitted pursuant to CA Labs' current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Labs of Houston, LLC 5829 W Sam Houston Parkway N, Suite 803 Houston, TX 77041; phone (713)983-6336, fax (713)981-6776



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 Houston, TX 77041
 PH: (713) 983-6336
 Fax: (713) 983-6776

Polarized Light Microscopy Report

Analysis Method: Interim (40CFR Part 763 Appendix B to Subpart F) / Improved (EPA 600 / R-93/116)
 Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / boeke line method.

Customer Information:
 Ecologic, Inc.
 419 Main St.
 North Little Rock, AR 72114

Customer Project:
 City Of Conway

CA Labs Project #:
 CA1107081170

Date: 08/28/07

Phone: 501-912-8400

Turnaround Time: 4HR

Samples Received: 08/28/07

Fax: 866-564-2746

Attn: Anne Woker

Purchase Order #:

Sample#	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected - absent / ash and visual% = present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
1000-02-01	2	Tan Mastic	y	None Detected	1% Cellulose	99% Binder

NVLAP Lab Code: 200773-0 TIDH 30-0368

Approved Signatory:

Michael Zeilstra
 Michael Zeilstra
 Analyst

Michael Zeilstra
 Laboratory Director

Notes:
 Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Classification analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne fiber analysis (TEM). CA Labs is accredited by AIHA for lead. This test report relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full without written permission from CA Labs. This method is not covered by the scope of AIHA accreditation.

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Crisp Labs at Houston, LLC
 #129 West Sam Houston Parkway North, Suite 803
 Houston, TX 77061

Phone: 713-983-6336
 Fax: 713-983-6776
 Lab Director: Terry LeBlanc

Chain of Custody

Customer Name: Ecologic, Inc CA Labs job # CAH07081170

Customer Address: 419 Main St. North Little Rock, AR 72114 Billing Address:

phone number: 501-912-8400 Send Reports to: Anne Woker

fax number: 866-564-2746 Project Name: City of Conway

Project Number: _____

Total # Samples Submitted: 7	Total # Samples to be Analyzed: 7	Material Matrix: Air / <u>Bulk</u> / Water
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Free shipping on invoices over \$45. Lonestar Account 67732
 Asbestos: Circle analysis and requested TA time *please call ahead for availability of all rush and/or after hours samples.*

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>			
AHERA	4 hour	Improved	2 hour <u>4 hour</u>	Allergen Particle:	2 hour
EPA Level II	8 hour	Interim	8 hour	taps/bulk/swab	4 hour
Drinking Water	16 hour		16 hour	Cyclex-d cassettes	8 hour
Wipe	24 hour	<u>AHERA</u>	24 hour	Air-o-cell cassettes	16 hour
Micro-vac	2 days		2 days	Anderson cultures	24 hour
NIOSH 7402	3 days	Point Count -	3 days	Bulk/swab cultures	2 days
Chatfield Bulk	5 days	(NESHAPS)	5 days	Bacteria cultures	3 days
				PCM: NIOSH 7400	5-10 days

Lead: *Circle analysis and requested TA time.*

Matrix:	Paint Chips	Soil	Air	Wipes	Wastewater	TCLP
TA Time:	8 hour	1 day	2 days	3 days	5 days	6-10 days

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
917-01-01	Txt Ceiling		
917-01-02	" "		
917-01-03	" "		
917-02-01	Lin. beam		
1000-01-01	Txt Clg		
1000-01-02	" "		
1000-02-01	" "		

Custody Information:

Samples relinquished: [Signature] 8/29/07 Samples received: [Signature] 8/28/07

Samples relinquished: _____ Samples received: _____

Signature / Date / Time