



City of Conway - Mayor's Office
www.cityofconway.org

Invitation and Bid 2007-44

**INVITATION
TO THE VENDOR ADDRESSED:**

Bidders are invited to furnish the items listed herein in accordance with the terms and conditions attached. **Sealed** bids must be in the Mayor's Office (1201 Oak Street) no later than **10 am, Monday, August 13th, 2007** at which time all bids will be opened and read in the Downstairs Conference Room in City Hall. Successful bidders will receive purchase order, if necessary within 30 days after approval from City Council. **Unsigned bids will be rejected.**

BID MINIMUM SPECIFICATIONS

DEMOLITION OF STRUCTURE AT THE FOLLOWING ADDRESSES:

- 600 & 618 Front Street, Conway, AR 72032
- 628 Front Street, Conway, AR 72032
- 1110 Deer Street, Conway, AR 72032
- 1117 Prairie Street, Conway, AR 72032

GENERAL STATEMENT OF WORK:

1. The project consists of the following: Furnish labor, equipment and materials required to remove 4 (four) building structures at the locations listed above. The project includes demolition of the all structures and removal of all debris.
2. Removal of any concrete slab, footings, driveway or sidewalks are all a part of this bid specifications and should be included in your bid total.

For further information contact Mark Elsinger at 501.513.3506 or
mark.elsinger@cityofconway.org

Structural Demolition for New Police Station

PROPOSAL

The undersigned Bidder, having visited the site and examined the Plans, Specifications, and other Contract Documents, including all Addenda and being familiar with all the conditions relating to the proposed project, hereby proposes to furnish all tools, appliances, equipment and specified materials, and perform all necessary labor for "Structure Demolition For New Police Station" in strict accordance with the Plans, Specifications, and other Contract Documents at and for the unit prices proposed herein.

The undersigned Bidder, having read the Notice to Bidders, understands that sealed bids for, "Structure Demolition For New Police Station" will be received by the City of Conway in the Mayor's Office Attn: Felicia Rogers located at 1201 Oak Street, Conway, Arkansas, 72032, until 10:00am, Monday, August 13th, 2007, at which time the bids shall be publicly opened and read aloud.

All extensions of the unit prices in the Bid Schedule will be subject to verification by the Owner. In case of discrepancy between a unit price and its extension, the unit price will be considered to be the bid.

STRUCTURE DEMOLITION FOR NEW POLICE STATION
CITY OF CONWAY
CONWAY, ARKANSAS
BID SCHEDULE

I. BASE BID: (The base bid assumes that the City of Conway has removed the asbestos-containing materials in a separate contract. The asbestos materials will not be in place for the demolition contract.)

<u>Building Description/Address</u>	<u>Lump Sum Bid Amount</u>
<u>600&618 Front Street</u>	
<u>628 Front Street</u>	
<u>1110 Deer Street</u>	
<u>1117 Prairie Street</u>	

Total Amount BASE BID: \$ _____

II. ALTERNATE 1:

<u>Building Description/Address</u>	<u>Base Bid Amount</u>	<u>Add or Deduct for Asbestos Remaining in Place for Demolition</u>	<u>Lump Sum Bid Amount for Alternate <u>1</u></u>
<u>600&618 Front Street</u>			
<u>628 Front Street</u>			
<u>1110 Deer Street</u>			
<u>1117 Prairie Street</u>			

Total Amount ALTERNATE 1: \$ _____

Accompanying this Proposal is a _____ Certified Check, _____ Bid Bond, _____ Other in an amount not less than five (5) percent of the total amount of bid which, it is agreed, shall be retained as liquidated damages by the City of Conway if the undersigned fails to execute the Contract and furnish bond as specified within ten (10) days after City Council approval and/or formal notification of award to the undersigned.

The undersigned Bidder agrees to begin work within ten (10) calendar days after the approval from City Council and complete the work within twenty-two (22) calendar days. Should the bidder fail to fully complete the work within the above stated time, he shall pay the City of Conway, as fixed, agreed and liquidated damages, and not as a penalty, the sum specified in subparagraph TIME FOR COMPLETION AND LIQUIDATED DAMAGES of the SPECIAL CONDITIONS, for each calendar day of delay until the work is completed or accepted, and that additional time is only to be allowed for delays as stipulated in the Contract Documents.

The undersigned Bidder agrees that this bid may not be withdrawn for a period of sixty (60) days after the opening of the bids.

The bidder shall include all charges, including taxes, fees, shipping (if applicable)

In submitting this bid, it is understood by the undersigned Bidder that the right is reserved by the City of Conway to reject any and all bids.

Any exception to the above specs must be noted

City of Conway
Structure Demolition - New CPD Station
Bid Number: 2007-44
Bid Opening Date: Monday, August 13th, 2007

Unsigned bids will be rejected:

Authorized Agent Bidding on this project:

Company Name

Company Representative Name

Representative's Signature

Address

Email Address

City

State

Zip

Telephone Number

Fax Number

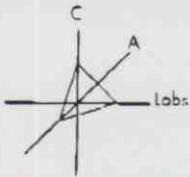
Date

City of Conway
TERMS AND CONDITIONS

Important – Read Carefully

By Submission of bid, bidder certifies that he has read all terms and conditions and that bid is submitted in accordance therewith.

1. Prices quoted will be considered to be net prices unless otherwise stated by the bidder. Cash discounts requiring payments in less than 30 days will not be considered in making awards.
2. Prices quoted shall be FOB Conway unless otherwise specifically stated on proposal. In either case, delivery charges must be prepaid.
3. All fees and taxes shall be included in prices quoted.
4. Bidder certifies that he will make delivery of items for which he bids within 10 days after receipt of award – unless otherwise specifically stated. Time of delivery in excess of 10 days may be considered a factor in making awards.
5. In case of default of contractor in making deliveries as per contract, the City may procure the articles or services from other sources and hold the contractor responsible for all excess costs occasioned thereby. Bidder's record as to satisfactory performance under previous contracts will be considered a factor in making awards and retention on bid lists.
6. The City reserves the right to reject any or all bids, in part or in whole and to waive information in bids received.
7. If not otherwise specified, bidder must furnish brand names with catalog number, if any, on items which are offered as "equal." In all such cases the burden of establishing equality is upon the bidder and failure to do so within a reasonable time may result in rejection. Alternative bids will not be considered unless no other type bid for the item is received.
8. In the case of equal or tie bids, preference will be given to Arkansas bidders. Other than as stated in the first sentence, awards on tie bids will be made at the discretion of the purchasing official. In such cases, "splitting" will be avoided and awards of previous contract(s) to one or more of the bidders will not be a factor.
9. In the event that bidder is unable to furnish all of an item, bids on portions thereof may be considered.
10. Final inspections and acceptance or rejection will be made after delivery. Items rejected because of non-conformance shall be removed and replaced immediately with those which meet specifications, all at the expense of the contractor. In the event that necessity requires the use of non-conforming items, payment therefore will be made at a proper reduction in price which shall be not greater than contractor's actual cost by purchase, fabrication, manufacture or other production method plus transportation paid to carriers. All costs in connection with testing items that do not meet specifications shall be paid by contractor.
11. Quality, time of performance, probability of performance, and location of bidder will be factors in awards of all contracts.
12. The City reserves the right to purchase any, all or none of the items listed, in combinations thereof that may be in the best interest of the City of Conway.
13. The City reserves the right to change any specifications, terms and/or conditions at any time, with adequate notice in writing to bid invitees of those changes, if any.
14. The City is qualified for "GSA" pricing schedules, if available and applicable.
15. The City reserves the right to waive any informalities or minor defects, but this shall not be construed to indicate waiver of any specification, term and/or condition unless in the best interest of the City in the judgment of the City.
16. **CONSTRUCTION/INSTALLATION:** Any construction work that is worth \$20,000 or more must comply with Arkansas Code Annotated § 22-9-204.
17. **PROHIBITED INTEREST CONDITION:** No official of the City authorized on behalf of the City to specify, plan, design, negotiate, make, accept or approve, or take part in specifying, planning, negotiating, making, accepting or approving any construction or material purchase contract or any subcontract in connection with any purchase made by the City of Conway shall become directly or indirectly interested personally in the purchase or any part thereof.
18. **EQUAL OPPORTUNITY IN EMPLOYMENT:** All qualified bidders will receive consideration without regard to race, color, religion, sex, age, disability or national origin.

**Crisp Analytical Laboratories, L.L.C.**

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

CA Labs, L.L.C.

12232 Industriplex, Suite 32
 Baton Rouge, LA 70809
 PH: (225) 751-5632
 Fax: (225) 751-5634

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 E to Subpart E) / Improved (EPA-600/R-92/116)

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 / Isicks line method.

Customer Information:

Snyder Environmental &
 Construction
 P.O. Box 117
 Morrilton, AR 72110
 Phone: 501-354-2080

Customer Project:

1117 Prairie Street

CA Labs Project #:

CAL07074518

Date: 7/16/07 MP

Turnaround Time: 24 Hour

Samples Received:

7/16/07 9:30am

Fax: 501-354-3088

Attn: Mike Snyder

Purchase Order #:

Sample#	Layer #	Analysis Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected = absent / asb. and visual% = present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
1117P-01-01	1	Black roofing shingle with gray gravel	N	None Detected	21% fiberglass	2% quartz 77% matrix
	2	Black tar and felt	N	None Detected	17% cellulose	83% matrix
	3	Brown insulation	Y	None Detected	100% cellulose	
1117P-02-02	1	Black tar and felt	N	2% Chrysotile		2% quartz 2% gypsum 94% matrix
1117P-03-03	1	Black tar	Y	3% Chrysotile		1% quartz 96% matrix

Leslie Crisp
 Analyst

NVLAP Lab Code: 200349-0

Approved Signatories:

Leslie Crisp
 General Manager

Chad Lytle
 Laboratory Director

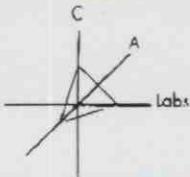
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Notes

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chitfield analysis of bulk material is recommended in this case. All asbestos percentages are based on calibrated visual estimates (measurable to NIST standards for regulated asbestos types). Analysis' 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 fungi. This test report relates only to the items tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. 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.

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Analytical Labs, LLC 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972) 488-1414; fax (972) 488-8006.



Crisp Analytical Laboratories, L.L.C.

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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 E to Subpart E) / Improved (EPA-600 / R-93/116)
 Preparation Method: HCl, acid washing for carbonate based samples, chemical reduction for organically bound components, nil immersion for identification of asbestos types by dispersion staining / hecke line method.

Customer Information:

Snyder Environmental &
 Construction
 P.O. Box 117
 Morrilton, AR 72110
 Phone: 501-354-2080

Customer Project:

600 Front Street

CA Labs Project #:

CA107074516

Date: 7/16/07 MP

Turnaround Time: 24 Hour

Samples Received:

7/16/07 9:30am

Fax: 501-354-3088

Attn: Mike Snyder

Purchase Order #:

Sample#	Layer #	Analysis Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected = absent / asb. and visual% - present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
600F-01-01	1	Gray surfaced black tar and felt	N	None Detected		1% quartz 2% gypsum 97% matrix
	2	Brown insulation	Y	None Detected	100% cellulose	
600F-02-02	1	Gray surfaced black tar and felt	N	None Detected		2% quartz 2% gypsum 96% matrix
600F-03-03	1	Gray surfaced black tar and felt	N	None Detected		1% quartz 3% gypsum 96% matrix

Leslie Crisp
 Analyst

NVLAP Lab Code: 200349-0

Approved Signatories:

Leslie Crisp
 General Manager

Chad Lytle
 Laboratory Director

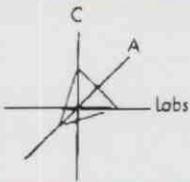
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Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chatfield 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 AIIHA for fungi. This report relates only to the items tested. This report may not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. This method is not covered by the scope of AIIHA accreditation.

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Analytical Labs, L.L.C.: 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972) 488-1414, fax (972) 488-8006.



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5829 West Sam Houston Parkway North, Suite 803
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Polarized Light Microscopy Report

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart F) / Improved (EPA-600 / R-93/116)
 Preparation Method: HCl acid washing for carbonaceous samples, chemical reduction for organically bound components, all immersion for identification of asbestos types by dispersion staining / Becke line method

Customer Information:

Snyder Environmental & Construction
 P.O. Box 117
 Morrilton, AR 72110
 Phone: 501-354-2080

Customer Project:

Hocus Pocus Auto Sales

CA Labs Project #:

CAL07074517

Date: 7/16/07 MP

Samples Received:

7/16/07 9:30am

Purchase Order #:

Fax: 501-354-3088

Turnaround Time: 24 Hour

Attn: Mike Snyder

Sample#	Layer #	Analysis Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent (none detected = absent / sub and visual% = present)	Non-asbestos fiber type / percent	Non-fibrous type / percent
HPAS-01-01	1	Black tar and felt	N	None Detected	31% cellulose	2% gypsum 77% matrix
HPAS-02-02	1	Black tar	N	2% Chrysotile		1% quartz 2% gypsum 95% matrix
HPAS-03-03	1	Black tar	N	4% Chrysotile		2% quartz 2% gypsum 92% matrix

NVLAP Lab Code: 200349-0

Approved Signatories:

Leslie Crisp
Analyst

Chad Lytle
Laboratory Director

Page 1 of 1

Leslie Crisp
General Manager

Notes:
 Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM/Chalfield 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. Analytical 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 Ringi. This test report relates only to the items tested. This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. 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.

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Analytical Labs, LLC 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972) 488-1414, fax (972) 488-8006.

SECTION 13280 - HAZARDOUS MATERIAL REMEDIATION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Description of asbestos abatement procedures and submittals.

1.2 RELATED SECTIONS

- A. EPA, OSHA, and ADEQ asbestos regulations.

1.3 REFERENCES

- A. EPA 40 CFR 763 Appendix G - EPA Worker Protection Rule
- B. EPA 40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants
- C. EPA 40 CFR Part 763 Subpart E Appendix A - Asbestos-Containing Materials In Schools
- D. EPA 40 CFR Part 763 Subpart E Appendix C - Asbestos School Hazard Abatement Act
- E. OSHA 29 CFR 1926.1101 - Asbestos Exposure in Construction
- F. OSHA 29 CFR 1910.1001 - Asbestos Exposure in General Industry
- G. OSHA 29 CFR 1910.134 - Respirator Standard
- H. OSHA 29 CFR 1926.59 - Hazard Communication Standard
- I. ADEQ - Arkansas Asbestos Abatement Regulation 21

1.4 SUBMITTALS

- A. Pre-Work Submittals: Contractor shall provide the Owner's Representative (Ecologic, Inc.) with the following information prior to initiation of work.
 - 1. A list of employees, both supervisory and workers, with evidence of current license with the State of Arkansas Department of Environmental Quality, as well as copies of certificates of completion of EPA-accredited training courses.
 - 2. Submit documentation from a physician that all employees or agents have received medical monitoring as required in OSHA CFR 1926.1101.
- B. Project Documentation: The Contractor shall keep a copy of each of the following on the project site:
 - 1. Contractor Supervisor and Worker Certification Cards
 - 2. Inspection Report Data
 - 3. Sign in/Sign out Sheet
 - 4. ADEQ Notice of Intent (if applicable)

5. Waste Transportation and Disposal Records

- C. Closeout Submittals: Contractor shall submit 3 copies of their Project Manual containing the following information to the Owner's Representative (Ecologic, Inc.) within 14 days after the abatement project's completion. Copies of all items listed shall be kept by the Contractor for a minimum of thirty (30) years.
1. Current insurance certificates (if changes have occurred from the time of the Pre-Work Submittals).
 2. Abatement contract with any change orders that may apply.
 3. Current Asbestos Abatement License (if varies due to renewal from previously submitted license in Pre-Work Submittals).
 4. Copies of any correspondence with authorities and permits.
 5. Certify that all rental vehicles and equipment, if any, have been visually inspected and cleared by the Contractor's Supervisor.
 6. Employee Information, certificates, physicals & respirator fit tests.
 7. Daily employee logs and supervisor reports with project schedule as accomplished.
 8. Copies of disposal receipts and procedures including name of hauling firm, employees involved with disposal, respirator protection and training for employees.

PART 2 PRODUCTS

NOT USED

PART 3 EXECUTION

3.1 SUMMARY OF WORK

- A. The project includes removal or demolition of non-friable asbestos-containing materials from buildings located at the proposed site for the Proposed Police Headquarters Site in Conway, Arkansas. Asbestos-containing flooring, roofing and mastic were identified in the buildings to be demolished. The ADEQ allows these materials to be left in place during the demolition of the buildings. However, if the floor tile is to be removed by workers prior to demolition of the buildings then the removal of the floor tile is regulated. The roofing materials are not regulated by the ADEQ in this project due to the type of material and quantity of material found. The buildings shall be demolished by one of two methods:
1. Remove the asbestos-containing materials prior to demolition. With this method, the Arkansas Department of Environmental Quality requires that the asbestos-containing flooring be removed by a licensed asbestos abatement contractor employing certified

asbestos abatement workers. Methods described in ADEQ Regulation 21 must be employed.

2. Leave the asbestos-containing materials in place during demolition. If the asbestos-containing flooring is left in place during demolition (not removed by workers but demolished in place along with all building materials) then no abatement is required by the ADEQ. The Demolition Contractor should follow all OSHA regulatory requirements.

- B. The Contractor shall field verify all quantities of material. All listed quantities are estimates. There will be no additional compensation if the quantities of asbestos-containing materials exceed those listed. See the Asbestos Materials Report provided by the Owner in the appendix for location of the materials to be removed.

3.2 WORKER PROTECTION

- A. Prior to commencement of work, the workers shall be instructed and shall be knowledgeable in the types, locations and quantities of asbestos-containing materials in the work areas. An emergency response plan shall be prepared and implemented for the project, including fire and employee injury evacuation procedures.
- B. Respiratory Protection: Provide workers with personally issued and marked respiratory equipment approved by NIOSH and OSHA Standard 29 CFR 1926.1101. Respiratory protection used shall at all times be in compliance or in excess of OSHA requirements. The following is a schedule of minimum respiratory protective equipment to be used during this operation. Contractor is responsible for enforcing these requirements.
 1. If no negative exposure assessment is performed, but an exposure assessment and monitoring show that exposure levels do not exceed 1 f/cc as an 8-hour time-weighted average, then the Contractor shall provide employees with, at a minimum, full-face piece supplied air respirator operated in the pressure demand mode with an auxiliary bottle of air or HEPA egress cartridges or a tight-fitting powered air-purifying respirator.
 2. Pre-cleaning of work area and plastic installation: If friable material is located in any work area, the workers shall wear half-face air-purifying respirators equipped with HEPA cartridges specified for asbestos dust and MSHA/NIOSH approved.
 3. Final cleaning operations and plastic removal: Half-face air-purifying respirators equipped with HEPA cartridges specified for asbestos dust and NSHA/NIOSH approved.
 4. Unloading bags at landfill: Half-face air purifying respirators equipped with HEPA cartridges specified for asbestos dust and MSHA/NIOSH approved.

- C. Protective Clothing: Workers shall wear full body protection suits when working in containment areas. Provide workers with sufficient sets of full body protective clothing. Such clothing shall consist of full body coveralls and headgear or equivalent sets. Provide eye protection, hard hats, and footwear as required by applicable safety regulations. Non-disposal clothing and footwear shall be left in the contaminated equipment room until the end of the asbestos abatement work, at which time such items shall be disposed of as asbestos waste or placed in disposal containers properly marked with warning labels and left unopened until inside the next contained work area. The Contractor will provide at least four (4) sets of full body clothing per day per inside worker and at least three (3) sets for each outside worker, air monitoring technician, and supervisor. If the Contractor does not use disposable suits equipped with attached foot covering, elastic wrist, and elastic hoods attached, these pieces must be provided and secured to each other with "duct" tape or equivalent. Wrists and neck openings must be taped.
 - 1. Provide authorized visitors with a set of suitable protective clothing, headgear, eye protection and footwear, as described above, whenever they are required to enter the work area.
- D. Provide and post, in the change area of the work site, the decontamination and work procedures to be followed by workers.

3.3 SUPERVISION

- A. All work, including the installation and operation of control systems, shall be supervised by a competent person who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure, who has the authority to take prompt corrective measures to eliminate them, who is specially trained in a training course which meets the criteria of EPA's Model Accreditation Plan for project supervisor and who has been certified by the Arkansas Department of Environmental Quality as an Asbestos Abatement Project Supervisor.
- B. The Contractor's Supervisor prior to the start and following the completion of daily abatement activities shall inspect the work site for the integrity of the necessary barriers and warning signs. These inspections shall be documented in daily project log.

3.4 REGULATED AREAS

- A. Post approved caution signs in accordance with OSHA regulation 29 CFR 1926.1101.
- B. All personnel entering the work area shall read and be familiar with posted regulations, respiratory protection requirements and emergency procedures.

All personnel who enter the work area shall sign the visitor's log upon entry and exit of work area.

- C. Shut down or isolate all ventilation systems in the regulated work area by sealing with a double layer of 6 mil plastic or the equivalent. Coordinate the scheduling with the Owner's representative.
- D. All objects within the regulated area shall be covered with impermeable plastic sheeting or dropcloths which is secured by duct tape or an equivalent.
- E. Pre-Seal all windows, corridors, doorways, ducts, grills, diffusers, gates, drains, and any other opening between the removal work area and uncontaminated areas with a critical barrier of plastic sheeting and tape.

3.5 NEGATIVE PRESSURE ENCLOSURES (NPE)

- A. The NPE shall maintain at least 4 air changes per hour with a minimum of -0.02 column inches of water pressure differential, relative to the outside pressure. This shall be demonstrated by the use of a continuous recording manometric measuring device. The NPE shall remain in operation from the initiation of removal work to the successful completion of the clearance air sampling.
- B. Air movement shall be directed away from employees performing asbestos work within the enclosure, and toward a HEPA filtration or a collection device.
- C. Before beginning work within the enclosure and at the beginning of each shift, the NPE shall be inspected for breaches and smoke-tested for leaks, and any leaks shall be sealed. Contractor shall be responsible for smoke tests.

3.6 DECONTAMINATION

- A. The Contractor shall establish a decontamination area that is adjacent and connected to the regulated area for the decontamination of employees. Each worker and authorized visitor shall, each time he leaves the work area; remove gross contamination from clothing before leaving the work area; clean work clothing with a HEPA vacuum before it is removed; proceed to the equipment area and remove all clothing, except respirators, and nylon clothing if worn, still wearing the respirator proceed to the showers; clean the outside of the respirator; thoroughly shampoo and wash themselves; and wash and rinse the inside of the respirator. The area must be of sufficient size as to accommodate cleaning of equipment and removing personal protective equipment without spreading contamination beyond the area (as determined by visible accumulations).
- B. All equipment and surfaces of containers filled with asbestos-containing material must be cleaned prior to removing them from the equipment area.
- C. Each worker and authorized visitor shall follow the decontamination procedures before eating or leaving the work area.
- D. Contaminated work footwear shall be stored in a secured area of the regulated area when not in use in the work area. Upon completion of asbestos abatement, dispose of footwear as contaminated waste or seal in

disposal container to remain unopened until inside the next containment area. Place contaminated work suites in receptacles for disposal with other asbestos-contaminated materials.

- E. Workers shall not eat, drink, smoke, chew gum, or tobacco at the work site.

3.7 DISPOSAL PROCEDURES

- A. Coordinate placement of disposal dumpsters and vehicles with the Owner and the general contractor. The Contractor is responsible for repairing damage to the sidewalks, grounds and buildings caused by placement of dumpsters or vehicle traffic.
- B. All waste from inside the regulated work area shall be disposed of as asbestos-containing waste including all enclosure barriers. The waste shall be containerized in minimum of two (2) six mil plastic bags or sealed, leak-tight containers which have been labeled according to EPA, OSHA, and Arkansas Department of Environmental Quality regulations.
- C. Disposal must occur at an authorized site in accordance with regulatory requirements of NESHAP and applicable State and Local guidelines and regulations.
- D. Once bags have been removed from the work area, they shall be loaded into an enclosed truck for transportation that is properly labeled according to the Arkansas Asbestos Abatement Regulations.
- E. The enclosed cargo area of the truck shall be free of debris and lined with 6-mil polyethylene sheeting to prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first and extend up the sidewalls. Wall sheeting shall be overlapped and taped into place.
- F. Personnel loading asbestos-containing waste shall be protected by disposable clothing including head, body and foot protection and at a minimum, half-face piece air-purifying, dual cartridge respirators equipped with high efficiency filters.
- G. Any debris or residue observed on containers or surfaces outside of the work area resulting from clean-up or disposal activities shall be immediately cleaned using HEPA filtered vacuum equipment and/or wet methods as appropriate.
- H. All dump receipts shall be provided in the Project Closeout Documents.

3.8 INSPECTION

- A. The Contractor awarded this project agrees to allow any Federal or State inspector acting in their official capacity to have access to the job site.
- B. The Contractor shall make a verbal request for a final inspection by the Owner's Consultant. The Contractor will correct a list of any deficiencies, compiled by the Consultant. If, in his judgment, the project is not ready for a final inspection, the Consultant may schedule another inspection.

3.9 AIR MONITORING AND CLEARANCE TESTING

- A. The Contractor is responsible for providing personnel air samples representing each work task for each 8-hour work shift with a minimum volume of 480 liters, using a 25mm cassette, set at 0.5 to 2.5 liters per minute. At least one STEL sample, which is representative of 30-minute exposures associated with operations that are most likely to produce exposures above the excursion limit, shall also be collected. Results for these samples shall be completed and made available to the workers and the Owner's Consultant within 24 hours. If samples are unreadable due to overloading, wet filters or any other reason, the Owner's representative may require increased worker respiratory protection.
- B. A background sample from each work area shall be performed by the Contractor to provide a reference baseline level of ambient fiber concentrations.
- C. The Contractor shall perform final clearance sampling after a work area has passed the Consultants visual inspection.

END OF SECTION 13280

**Proposed Police Station Site
located at
Multiple Site on Dere, Prairie and Front Streets
Conway, Arkansas**

Asbestos Inspection and Assessment

Report date: June 28, 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 four buildings located on the proposed site for the new police station for the City of Conway. The four buildings are identified as the Hocus Pocus Auto Salon located on the northeast corner of Prairie Street and Front Street; a red brick building located at 1117 Prairie Street; Woodward Office Machines located at 1110 Dere Street and 600 Front Street; and, Ed's Supply Building located at 618 Front Street.

The following table presents those suspect materials sampled.

Location	Material Description	Asbestos Content
1117 Prairie Street	Floor Tile and Mastic	Floor Tile=None; Mastic=7% Asbestos
1117 Prairie Street	Ceiling Tile	None
1117 Prairie Street	Floor Tile(under carpet) and Mastic	Floor Tile=None; Mastic=5% Asbestos
1117 Prairie Street	Restroom Linoleum	None
1117 Prairie Street	Built Up Roofing	Assumed
600 Front Street	Store Room Linoleum	20% Asbestos
600 Front Street	Outside Restroom Black Floor Tile and Mastic	Floor Tile=4%; Mastic=3% Asbestos
600 Front Street	Built Up Roofing	Assumed to contain asbestos
618 Front Street	Ceiling Tile	None
Hocus Pocus Auto Salon	Built Up Roofing	Assumed to contain asbestos

There are asbestos-containing materials in each of the buildings with the exception of Ed's Supply Building which contained no asbestos building materials.

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.

According to the ADEQ Regulation 21, the asbestos-containing floor tile, floor tile mastic and linoleum may remain in place during the demolition activities. The Occupational Safety and Health Administration (OSHA) regulations require the demolition contractor to provide training and worker protection steps. Since there is a small quantity of asbestos-containing materials present, then it might be more cost effective to have the materials removed by a licensed asbestos contractor prior to turning it over to the demolition contractor.

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 a 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 Police Station
Multiple Sites on Front, Prairie and Dere Streets
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 four buildings located on the proposed site for the new police station for the City of Conway. The four buildings are identified as the Hocus Pocus Auto Salon located on the northeast corner of Prairie Street and Front Street; a red brick building located at 1117 Prairie Street; Woodward Office Machines located at 1110 Dere Street and 600 Front Street; and, Ed's Supply Building located at 618 Front Street.

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 June 15, 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. An asbestos design by an ADEQ licensed designer is required on projects involving the disturbance of more than three square feet of RACM. This design identifies the regulatory compliance requirements based on the project's individual characteristics.

The following table presents those suspect materials sampled.

Location	Material Description	Asbestos Content
1117 Prairie Street	Floor Tile and Mastic	Floor Tile=None; Mastic=7% Asbestos
1117 Prairie Street	Ceiling Tile	None
1117 Prairie Street	Floor Tile(under carpet) and Mastic	Floor Tile=None; Mastic=5% Asbestos
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618 Front Street	Ceiling Tile	None
Hocus Pocus Auto Salon	Built Up Roofing	Assumed to contain asbestos

SUMMARY

The inspection of the Proposed Conway Police Station in Conway, Arkansas identified suspect asbestos-containing materials. Samples were collected and analyzed to determine the asbestos content.

There are asbestos-containing materials in each of the buildings with the exception of Ed's Supply Building which contained no asbestos building materials.

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.

According to the ADEQ Regulation 21, the asbestos-containing floor tile, floor tile mastic and linoleum may remain in place during the demolition activities. The Occupational Safety and Health Administration (OSHA) regulations require the demolition contractor to provide training and worker protection steps. Since there is a small quantity of asbestos-containing materials present, then it might be more cost effective to have the materials removed by a licensed asbestos contractor prior to turning it over to the demolition contractor.

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 a 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

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