State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Solicitation

NUMBER	PAGE
LSH14035	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
ROBERTA WAGNER
304-558-0067

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
HEALTH AND HUMAN RESOURCES
BHHF
LAKIN HOSPITAL
11522 OHIO RIVER ROAD
WEST COLUMBIA, WV
25287 304-675-0860

DATE PRINTED
08/12/2013

BID OPENING DATE: 08/27/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT

ADDENDUM NO. 02

ADDENDUM IS ISSUED:

1. TO PROVIDE RESPONSES TO VENDORS' QUESTIONS REGARDING THE ABOVE SOLICITATION.

2. TO INCLUDE THE LANGUAGE REGARDING ASBESTOS REMOVAL AND DISPOSAL AND TO PROVIDE A COPY OF THE LIMITED SCOPE ASBESTOS ROOF INSPECTION.

3. TO PROVIDE VENDORS A COPY OF THE MANDATORY PRE-BID SIGN-IN SHEET.

4. TO PROVIDE ADDENDUM ACKNOWLEDGEMENT. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN THE DISQUALIFICATION OF YOUR BID.

********** END OF ADDENDUM NO. 2 **********

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Solicitation

NUMBER	PAGE
LSH14035	2

ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER
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DATE PRINTED
08/12/2013

BID OPENING DATE: 08/27/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		770-93		

FULLY ADHERED MEMBRANE ROOFING SYSTEM -

****** THIS IS THE END OF RFQ LSH14035 ****** TOTAL:

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SOLICITATION NUMBER: LSH14035
Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[ ] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[✓] Attachment of vendor questions and responses

[✓] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[✓] Other

Description of Modification to Solicitation:

1. To provide responses to Vendors' questions.
2. To add language regarding asbestos removal and disposal.
3. To provide a copy of the mandatory pre-bid sign-in sheets.
4. To provide Addendum Acknowledgement.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

SIGN IN SHEET

Request for Proposal No. LSH14035

PLEASE PRINT

Date: 7/30/2013

*** PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD**

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: PAR ROOFING Co, Inc. Rep: CLIFF BOWMAN Email Address: CBPAR924@hotmail.com	543 WASHINGTON AVE. HUNTINGTON, WV 25701	PHONE 304-525-9710 TOLL FREE FAX 9760
Company: FAIRFAX, INC Rep: DOUG RUSSELL Email Address: FAIRFAXINC@AOL.COM	P.O. Box 400 CHESAPEAKE, OH 45619	PHONE 740/867 2727 TOLL FREE FAX 740/867-2727
Company: TRI-STATE ROOFING & SHEET METAL CO. Rep: JP HUSHION Email Address: jhushion@tri-stateserve.com		PHONE 304-485-6593 TOLL FREE 800-926-3264 FAX 304-485-2841
Company: NF MANSUETTO & SONS, INC Rep: STEVE OCHAP Email Address: steve@mansuettoroofing.com	116 WOOD ST. MARTINS FERRY, OH 43935	PHONE 740-633-7320 TOLL FREE FAX 740-633-7322
Company: Kalkreuth Roofing & SM Rep: Adam Causer Email Address: acouser@krsm.net	41-40th St Wheeling, WV 26003	PHONE 304-232-8540 TOLL FREE Cell 304-216-7427 FAX 304-233-6305

SIGN IN SHEET

Request for Proposal No. LSH14035

PLEASE PRINT

Date: 7/30/13

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: TENNIS INC Rep: Joseph S Heck Email Address: RoofDoctor@Aol.com	250 West Wylie Ave Washington PA 15301	PHONE 724 884-0052 TOLL FREE FAX
Company: Mecklenburg Roofing Rep: Ken Lindsay Email Address: Ken@Mecklenburgroofing.com	Po Box 11576 Charleston, WV 25301	PHONE 304-757-2303 TOLL FREE FAX 704-399-3476
Company: Boggs Roofing Rep: Shane Abshire Email Address: shane@boggsroofing.com	PO Box 7455 Huntington, WV 25776	PHONE 304-429-4233 TOLL FREE FAX 304-429-2811
Company: Kent Construction Rep: Ron Harvey Email Address: ron@kentwelding.com	Butcher Bend Road Mineral Wells 26150	PHONE 304-489-3008 TOLL FREE FAX 304-893-9685
Company: Murray Sheet Metal Co Rep: Rob Nee Email Address: rob@murraysheetmetal.com	3112 7th Street Parkersburg, WV 26104	PHONE 304-699-5934 TOLL FREE FAX 304-428-4623

Kalkreuth
Roofing and Sheet Metal

Ohio Office: 740-657-6400
Kentucky Office: 859-231-ROOF
Maryland Office: 301-418-6100
www.krsm.net

Adam Cowser
Estimator
Mobile: 304-215-7427
Email: acowser@krsm.net

1113 Main Street
PO Drawer 6399
Wheeling, WV 26003
304-232-8540
Fax: 304-232-8552

MECKLENBURG ROOFING, INC.

KEN LINDSAY
VICE PRESIDENT–APPALACHIAN DIVISION

P.O. Box 11576
Charleston, WV 25301

Quality Since 1973

WV046287

Phone: 304-757-2303
877-ROOF-414
Mobile: 304-419-2512

ken@mecklenburgroofing.com
www.mecklenburgroofing.com

Kent Welding Inc.
Sheet Metal/Millwright
Alan Kent
Operations Manager
Mineral Wells, WV
304-488-6944 cell
304-489-3008 office
304-893-9685 fax
kentwelding1@gmail.com

A Name You Can Trust
Par Roofing Co., Inc.
543 Washington Avenue • Huntington, WV 25701
Cliff Bowman
COMMERCIAL & INDUSTRIAL ROOFING
WV Contractor License #WV002970
Email: cbpar924@hotmail.com
BUS (304) 525-9710
FAX (304) 525-9760
CELL (304) 634-3818

INDUSTRIAL SHEET METAL
STRUCTURAL STEEL
ROOFING
HVAC SERVICE

MURRAY SHEET METAL CO., INC.
3112 7TH ST. • PARKERSBURG, WEST VIRGINIA 26104-3846
www.murraysheetmetal.com
WV Contractors License #6 OH Contractors License #44554

Rob Noe
Estimator/Project Manager

Direct: 304-699-5934
Cell: 304-483-9558
Office: 304-422-5431
Fax: 304-428-4623
rob@murraysheetmetal.com

Since 1923

J.P. HUSHION
Sales

Since 1923
TRI-STATE Roofing & Sheet Metal Company

PO Box 188, 101 S. Meadville Rd., Davisville, WV 26142
Office: **304-485-6593 ext. 120** *Toll-Free:* **800-926-3264**
Cell: **304-482-6609** *Fax:* **304-485-2841**
E-mail: **jhushion@tri-stateservice.com** www.tri-stateservice.com

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WV License # WV005321

Mansuetto Roofing

Steve Ochap

Roofing and Sheet Metal Contractors
Free Estimates ▼ Specifications ▼ Roof Engineering
116 Wood Street ▼ Martins Ferry, Ohio 43935
740-633-7320 ▼ Cell 304-639-4021 ▼ FAX 740-633-7322
E-mail: steve@mansuettoroofing.com

FAIRFAX, INC.
Roofing and Sheet Metal
114 County Road 3
P.O. Box 400
Chesapeake, Ohio 45619

R. Doak Russell
Email: fairfaxinc@aol.com

Telephone & Fax
740-867-2727

---

320 West 15th Street
P.O. Box 7455
Huntington, WV 25776-7455

304-429-4233
FAX 304-429-2811
shane@boggsroofing.com

SHANE ABSHIRE

BOGGS
ROOFING, INC.

Tennis Roofing & Asphalt, Inc.
Commercial-Industrial-Residential

Joseph S. Heck
Project Supervisor

250 West Wylie Ave.
Washington, PA 15301
(724) 884-0052
(724) 884-0058
WBE

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www.flatroofsrus.cor

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Kalkreuth
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Ohio Office: 740-657-6400
Kentucky Office: 859-231-ROOF
Maryland Office: 301-418-6100
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ken@mecklenburgroofing.com
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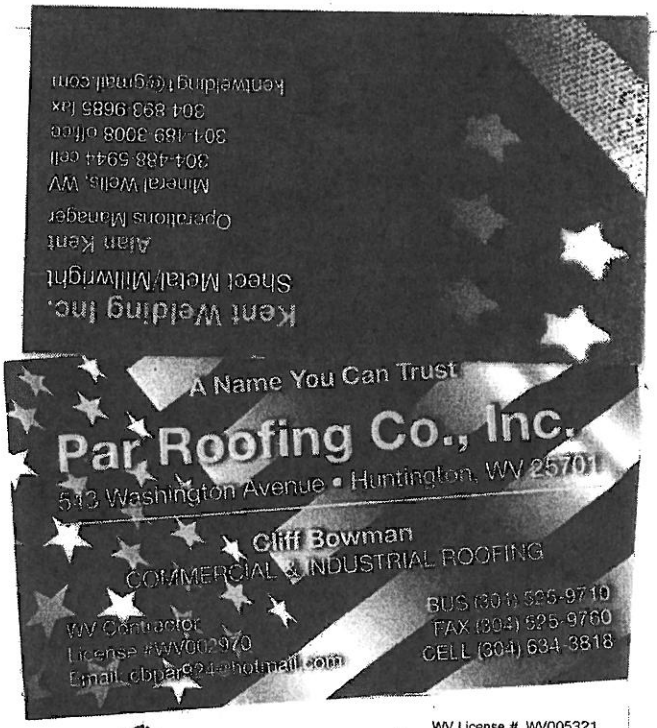

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Huntington, WV 25776-7455

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shane@boggsroofing.com

SHANE ABSHIRE

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INDUSTRIAL SHEET METAL
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www.murraysheetmetal.com
WV Contractors License #6 OH Contractors License #44554

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Estimator/Project Manager

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Cell: **304-482-6609** *Fax:* **304-485-2841**
E-mail: **jhushion@tri-stateservice.com** www.tri-stateservice.com

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FAIRFAX, INC.
Roofing and Sheet Metal
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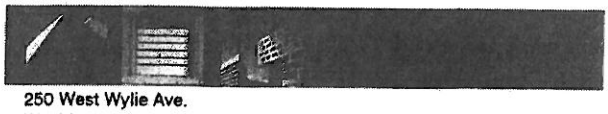
Chesapeake, Ohio 45619

R. Doak Russell
Email: fairfaxinc@aol.com

Telephone & Fax
740-867-2727

Tennis Roofing & Asphalt, Inc.
Commercial-Industrial-Residential

Joseph S. Heck
Project Supervisor



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(724) 884-0058
WBE

roofpooh@aol.com
www.flatroofsrus.com

LSH14035

LSH14035 Addendum #2

- Successful bidder will be responsible for the removal and proper disposal of any and all asbestos containing roofing materials indicated in the attached Asbestos Report. All materials shall be removed and disposed of in accordance with all local, state federal law located at http://www.wvdhhr.org/rtia/pdf/wv%20asb%20%20fact%20sheet%20_2_.pdf
  All asbestos containing materials shall be removed and disposed of by a West Virginia Bureau for Public Health licensed asbestos abatement contractor and shall submit all necessary regulatory notifications. Successful bidder shall be notified of the winning bid as scheduled, however a Notice to Proceed Letter is not planned until the Spring of 2014.

1. Q. Is the front entrance canopy to be included?

A. Yes

2. Q. Is the utilities building (approx. 12'6"x20'6") to be included?

A. Yes

3. Q. There is a built up roof underneath the ballasted EPDM roof. Is the built-up roof also to be removed?

A. Yes

4. Q. Is this a prevailing wage project?

A. Yes

5. Q. Would the state consider extending the completion time if the contract to 120 days, in lieu of specified 90 days? The reason for the request , is that we would be nearing winter and the cost to complete in such a short time frame will increase the bid amounts.

A. The contract stands as is, 90 working days from receipt of the notice to proceed.

6. Q. Normally we see a state requirement for a reroof, require a minimum of ¼" slope taper in the new roof insulation to insure proper drainage of the roof. This was not addressed in the specifications. Could this be clarified?

A. Yes, we do need a ¼" slope taper in the new insulation to insure proper drainage of the roof.

WEST VIRGINIA Department of Health & Human Resources

BUREAU FOR PUBLIC HEALTH
OFFICE OF ENVIRONMENTAL HEALTH SERVICES
Radiation, Toxics & Indoor Air Division
350 Capitol Street, Room 313
Charleston, West Virginia 25301-3713
Phone: (304) 558-2981
www.wvdhhr.org/rtia

Bureau for Public Health

ASBESTOS FACT SHEET

BEFORE YOU DO ANY RENOVATION OR DEMOLITION YOU MUST HAVE YOUR BUILDING OR HOME INSPECTED FOR THE PRESENCE OF "ASBESTOS"

WHAT DOES THE LAW STATE ABOUT RENOVATION AND DEMOLITION ACTIVITIES?

ASBESTOS ABATEMENT LICENSING RULE WEST VIRGINIA LEGISLATIVE RULES DIVISION OF HEALTH TITLE 64 SERIES 63 1998

This rule established procedures and standards for the training and licensure of persons engaging in activities relating to asbestos abatement activities. This rule also identified the responsibilities of owners of building or other man-made structures where asbestos activities are being conduced.

Responsibilities of Owners

The owner must ensure that each building or other man-made structure he or she owns is inspected for the presence of asbestos by a licensed asbestos inspector prior to any renovation or demolition activities;

64-63-2.Definitions
2.14. Building or Other Man-Made Structure. A building or a part of a building, or a group of buildings on the same premises, or any other type of man-made construction, such as a pipeline, barn, shed, trailer, or any appurtenance to a building or other man-made structure.
2.3. Asbestos Abatement: Procedures to control fiber release from asbestos-containing materials.
2.4. Asbestos Abatement Project: An activity involving the repair, removal, enclosure, or encapsulation of asbestos-containing material: Provided, That the removal of less than three (3) square feet or three (3) linear feet of asbestos containing materials required in the performance of a maintenance activity not intended solely as asbestos abatement is not considered to be an asbestos abatement project.

WHERE CAN ASBESTOS BE FOUND?

- Exterior Surfaces: window putty, roof felt, shingles, mastics and cement asbestos board siding.
- Interior Surfaces: sprayed on popcorn acoustical ceilings, wall and ceiling plasters, heat reflectors (woodstoves) and acoustical tiles.
- Heating and Ventilation: heat source covering, door and cover gaskets, pipe insulation, and air duct covering.
- Flooring: sheet vinyl's, tiles and mastics.

This does not include every product or material that may contain asbestos, but is intended as a general guide to show various types of materials that may contain asbestos.

HERE ARE THE STEPS YOU NEED TO TAKE AS THE OWNER

Retain a West Virginia licensed asbestos inspector to conduct an inspection of areas affected by the renovation and/or demolition activity.

If no asbestos-containing materials (ACM) are identified, you may proceed with renovation or demolition activities. Provided that you have also complied with the applicable requirements of WV Code of State Rule 45 CSR 15 - EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS PURSUANT TO 40 CFR PART 61, administered by the WV Department of Environmental Protection – Division of Air Quality. For information call (304) 926-0499.

If ACM are present, those materials may only be abated by a West Virginia licensed asbestos abatement contractor.

WHERE DO I GET A LIST OF ASBESTOS INSPECTORS AND CONTRACTORS?

From the WVDHHR BPH Asbestos Compliance Program web site at:
www.wvdhhr.org/rtia/licensing.asp

If you do not have access to the website, you may call **(304) 356-4276** to obtain a written list of licensed Inspectors and Contractors.

TO GET ANSWERS ABOUT ASBESTOS RELATED QUESTIONS AND CONCERNS?

You may contact the WVDHHR BUREAU FOR PUBLIC HEALTH Office Of Environmental Health Services at:
(304) 558-2981

ASTAR ABATEMENT, INC
Quality Safety Reliability

ASBESTOS REPORT

Report Date:
8/13/2013

Project Number:
13-458

Asbestos Present:
☒ Yes
☐ No
☐ Friable
☒ Non-Friable
☐ Presumed

Property Owner:
WV Dept. of Health & Human Resources
One Davis Square, Suite 100, Room 116
Charleston, WV 25301

Property Address:
Lakin Hospital
1 Bateman Circle
Lakin, WV 25287

SYNOPSIS

Mr. Kris Wilcoxin with DHHR requested a limited scope asbestos inspection on roof only at Lakin Hospital 1 Bateman Circle Lakin, WV. Please see Appendix 3 for quantities, percentages and location of asbestos containing materials.

Date of Inspection: **8/7/2013**
Year Constructed: **70+**
Approx. SF of Building: **66,000**
Current Use: **Hospital**
County: **Mason**

Renovation/Demolition: **Renovation**
Number of Floors: **1**
Basement/Crawlspace: **Slab**
Prior Use: **Hospital**

Asbestos Inspector — Date: 8-9-13
Print Name: **Jeff Bailey**
License #: WV AI006984

Peer Review — Date: 8-9-2013

Post Office Box 13533
Sissonville, West Virginia 25360
Voice: 304-343-5950 Fax: 304-343-5961
www.astarabatement.com
WV022387

ASTAR ABATEMENT, INC
Quality Safety Reliability

Table of Contents

Appendices

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 1 – Executive Summary

Below is a summary of the data and analysis presented in this document. Additional details are provided in the following sections.

Bulk Sample Concentrations

Astar Abatement, Inc. (Astar) collected bulk samples of suspect materials. Forty (40) sample(s) of suspect materials were collected from the structure as described in Section 4 Data Collection and Analysis.

The collected samples were forwarded to CEI Labs, Cary, NC for analysis. Table 1 in APPENDIX 3 presents a synopsis of the laboratory data. The results that indicate regulated asbestos containing materials are in highlighted in red

Conclusions

The analytical results indicate that some of the materials identified in this report are asbestos containing. Current laws and regulations require the removal of asbestos-containing materials (ACM) prior to any renovation or demolition activities which may disturb these materials. If removal of ACM is necessary, a West Virginia Bureau for Public Health (WVBPH) licensed asbestos abatement contractor should be contracted to perform the removal work and submit necessary regulatory notifications. If the property is a single family dwelling and the occupant is also the owner, he/she must contact the West Virginia Bureau for Public Health to get a waiver in order to perform the removal themselves. The WVBPH, Office of Radiation, Toxins and Indoor Air may be reached at 304-558-2981.

Caution should be exercised during the renovation/demolition activities in the event materials not identified in this report, known, assumed, or suspected to contain asbestos are exposed during these activities. In the event additional suspect material is discovered during this activity, work with the potential for disturbance should be stopped until sampling and analysis has been performed.

Post Office Box 13533
Sissonville, West Virginia 25360

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 2 – Scope of Work

In response to a request from Mr. Kris Wilcoxin with DHHR, Astar conducted a limited scope asbestos inspection of the property on Lakin Hospital 1 Bateman Circle Lakin, WV.

The purpose of the inspection was to determine if asbestos containing materials were present prior to renovation. This report represents the results from a limited inspection performed in accordance with directions agreed upon by the owner and Astar.

This report or any statements or information contained herein shall not be interpreted to imply any conclusions or opinions related in any manner as to whether any potential health risks to individuals exposed to the building environments were or were not present at the time of our inspection or may or may not develop at some time in the future.

This report is not a guarantee or warranty of any kind and was prepared for the exclusive use of the owner and Astar Abatement, Inc. and may be provided to others for disclosure purposes only. Prospective purchasers or any other interested parties are advised that this report is not intended for their use or benefit nor is to be relied upon to ascertain the condition of the property. Astar Abatement, Inc., their employees, agents and subcontractors do not assume any liability for hidden/latent defects or conditions of any kind.

Indemnification:

Astar Abatement, Inc., its employees or subcontractors, shall not be legally responsible for any direct, indirect, incidental, special, consequential or exemplary damages, including (but not restricted to) damages for loss of investment, value, use, expenditure, or other intangible losses (even if Astar has been advised of the possibility of such damages), resulting from: 1) the use or the incapability to use this document or previously related documentation issued by Astar; 2) statements or behavior of any third party; or 3) any other matter relating to our efforts regarding the referenced property. On no occasion shall total legal responsibility to any concerned party for all damages, losses, and causes of action go beyond the amount paid to Astar for the preparation and publication of this specific document.

Every attempt was made to gain access to each and every area or to access representative materials entering or leaving such areas. Astar Abatement, Inc. accepts no liability nor makes any claims regarding asbestos or suspect materials that were not accessible during the inspection process. Especially if such material was located behind or within walls, concrete decks, sub-floors, chases, or was otherwise generally inaccessible without destructive sampling.

The information in the report or portions thereof may be required to be included in the notifications to contractors or other visitors to the building(s). This report is not intended to be used as a specification or work plan for any of the work suggested or recommended in this report.

This report is based upon conditions and practices observed at the property and information made available to the surveyor. This report does not intend to identify all hazards or unsafe practices, or to indicate that other hazards or unsafe practices do no exist at the premises.

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Sissonville, West Virginia 25360

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 3
Definitions of Terms, Abbreviations, and Symbols:

PLM: Polarized Light Microscopy. Standard methodology for analyzing suspect materials for asbestos content.

Limited Scope: Only certain area(s) of the structure was inspected as per the owner's request. Any suspect material in the remaining area must be considered to be asbestos containing until proven otherwise.

Complete Inspection: Inspection of all areas of the structure including interior and exterior materials and all other areas generally accessible.

ND: None Detected – the level of asbestos was below the detection limit of the analytical method.

<(Left Pointer): Less than…

EPA: United States Environmental Protection Agency

RACM: Regulated Asbestos Containing Material – Any material containing greater than 1% of asbestos.

Friable: Any material, when dry, that can be crushed, crumbled or reduced to powder by hand pressure.

Category I Non-Friable: Resilient floor covering, roofing, gaskets or packings.

Category II Non-Friable: All other non-friable asbestos containing materials.

WVBPH: West Virginia Bureau for Public Health - Radiation, Toxics and Indoor Air Division

Sq. Ft. (sf): Square feet

Ln. Ft.(lf): Linear feet

TSI: Thermal System Insulation

Ftgs: Fittings

Post Office Box 13533
Sissonville, West Virginia 25360

ASTAR ABATEMENT, INC
Quality Safety Reliability

Section 4 – Sample Collection and Analysis

This section presents a summary of the sample collection and analysis tasks.

Laboratory Requirements

A laboratory experienced in the analysis of building materials and maintaining traceable quality control documentation is necessary to establish a reliable chain of evidence. The laboratory shall successfully participate in the American Industrial Hygiene Association (AIHA) bulk asbestos quality assurance program or the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP accreditation is required for the analysis of public or private school samples (K-12).

Summary of Data Collection and Analysis

Astar collects samples of suspect materials that may contain asbestos fibers according to the table below:

Est Quantity of Surfacing Materials	# Samples
<1,000 sq. ft.	3
1,001 sq. ft. – 5,000 sq. ft.	5
>5,000 sq. ft.	7
Thermal System Insulation	
Per Homogeneous area	3
Per 6 In. ft. patch	1
Miscellaneous & Non-friable	
Per Homogeneous area	1*
*The inspector shall insure that the number of samples taken were "sufficient to determine" whether the material contains asbestos.	

The sample(s) were collected and placed in a clean, sealable container and labeled with a unique identifying number. This sample number was then recorded on the Sample Chain of Custody (COC) and when conditions permit on the sample location to permit identification of the material in the future. To avoid the potential release of asbestos fibers, Astar performs bulk sampling of suspect material in accordance with generally accepted procedures outlined in the Asbestos Hazard Emergency Response Act (AHERA). Additional information may have also been recorded including the date of the inspection, inspector's name, building name or number, description and location of the material being sampled and quantity of material. The location of the sample may also be recorded on a drawing.

Analysis of Samples

Bulk samples were submitted to the laboratory for analysis by PLM with dispersion staining (EPA-600/R-93/116). The EPA currently recommends this method for the determination of asbestos in bulk samples of suspect materials, can be used for the qualitative identification of the six (6) different types of asbestos fibers: Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite. This method specifies that the asbestos content will be estimated and reported as a finite percentage (rounded to the nearest percent) within the range of zero to one hundred percent (0%-100%).

The results of the bulk sample analysis are reported in the laboratory report located in the Appendix of this report. The report includes the sample number, laboratory assigned number along with the asbestos

Post Office Box 13533
Sissonville, West Virginia 25360

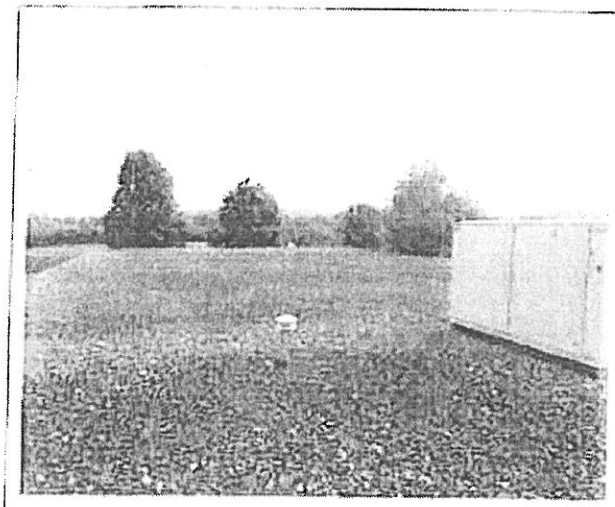
content of each sample. If a bulk sample contained more than one distinct layer of material, each layer was analyzed separately. This separation resulted in a total number of Forty (40) samples being analyzed.

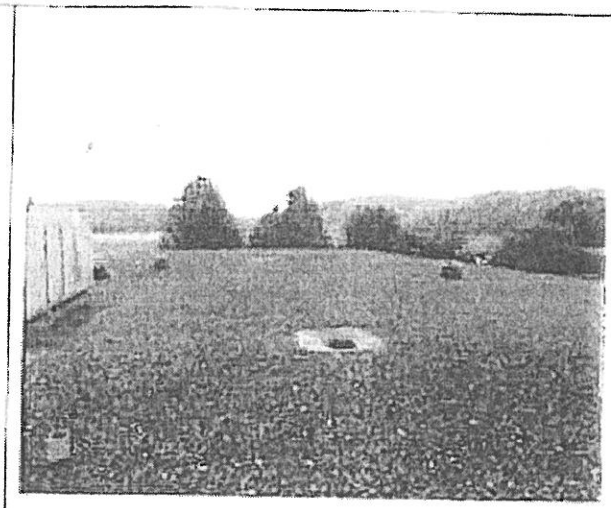
The EPA recommends for bulk samples containing less than ten percent (<10%) of asbestos, the sample be analyzed by the point count method reference PLM, EPA 600/R-93/116. This analytical method is a more accurate way of determining the actual asbestos content percentage. For this particular project, 0 sample(s) was/were analyzed using the point count methods. A copy the laboratory results and the chain of custody are located in the Appendix.

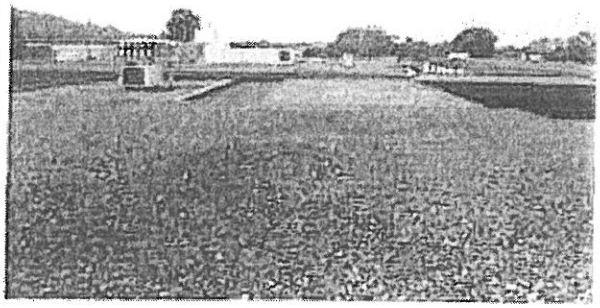
ASTAR ABATEMENT, INC

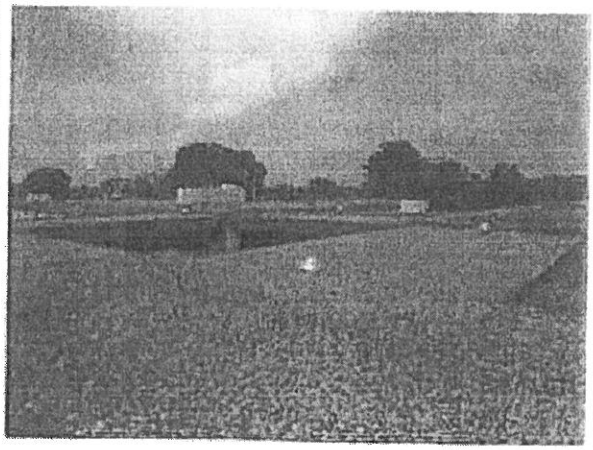
Quality Safety Reliability

Section 5 – Photograph/Drawings









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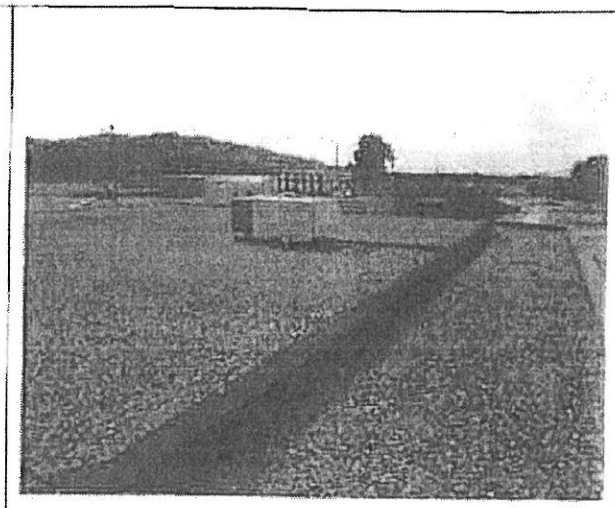
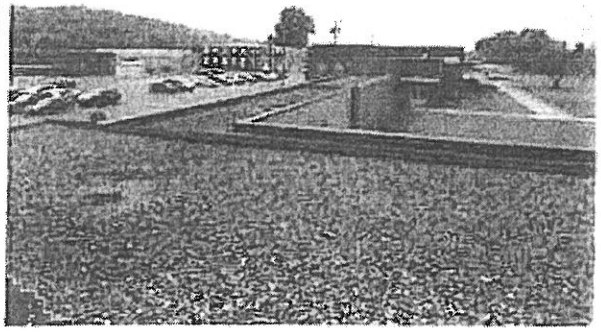
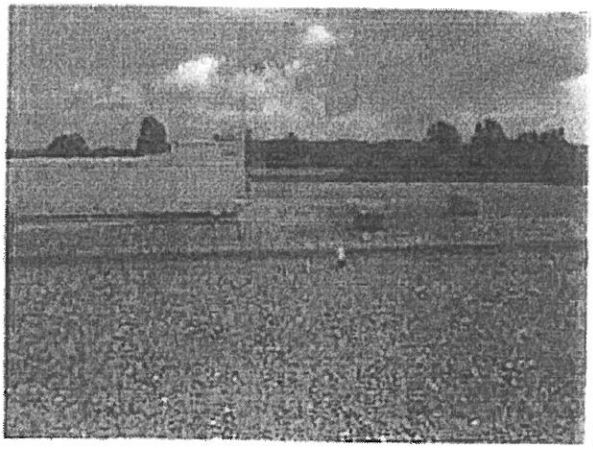
ASTAR ABATEMENT, INC

Quality Safety Reliability







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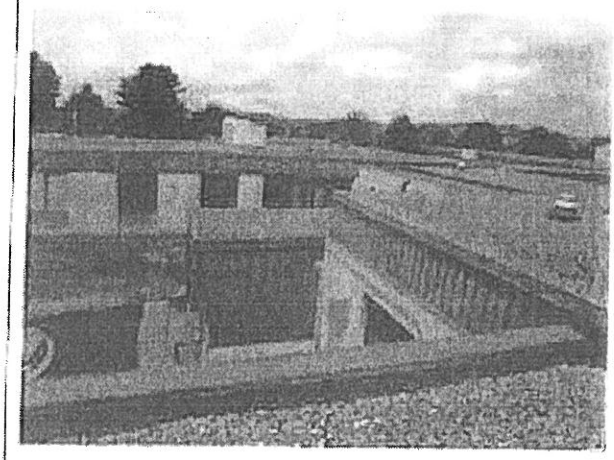

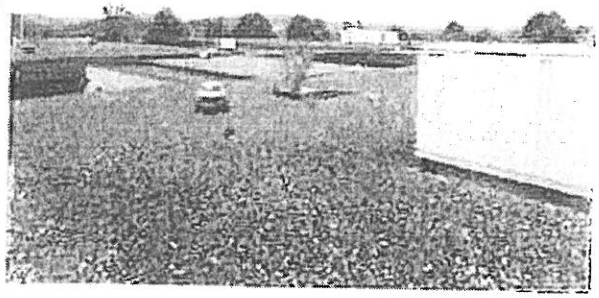

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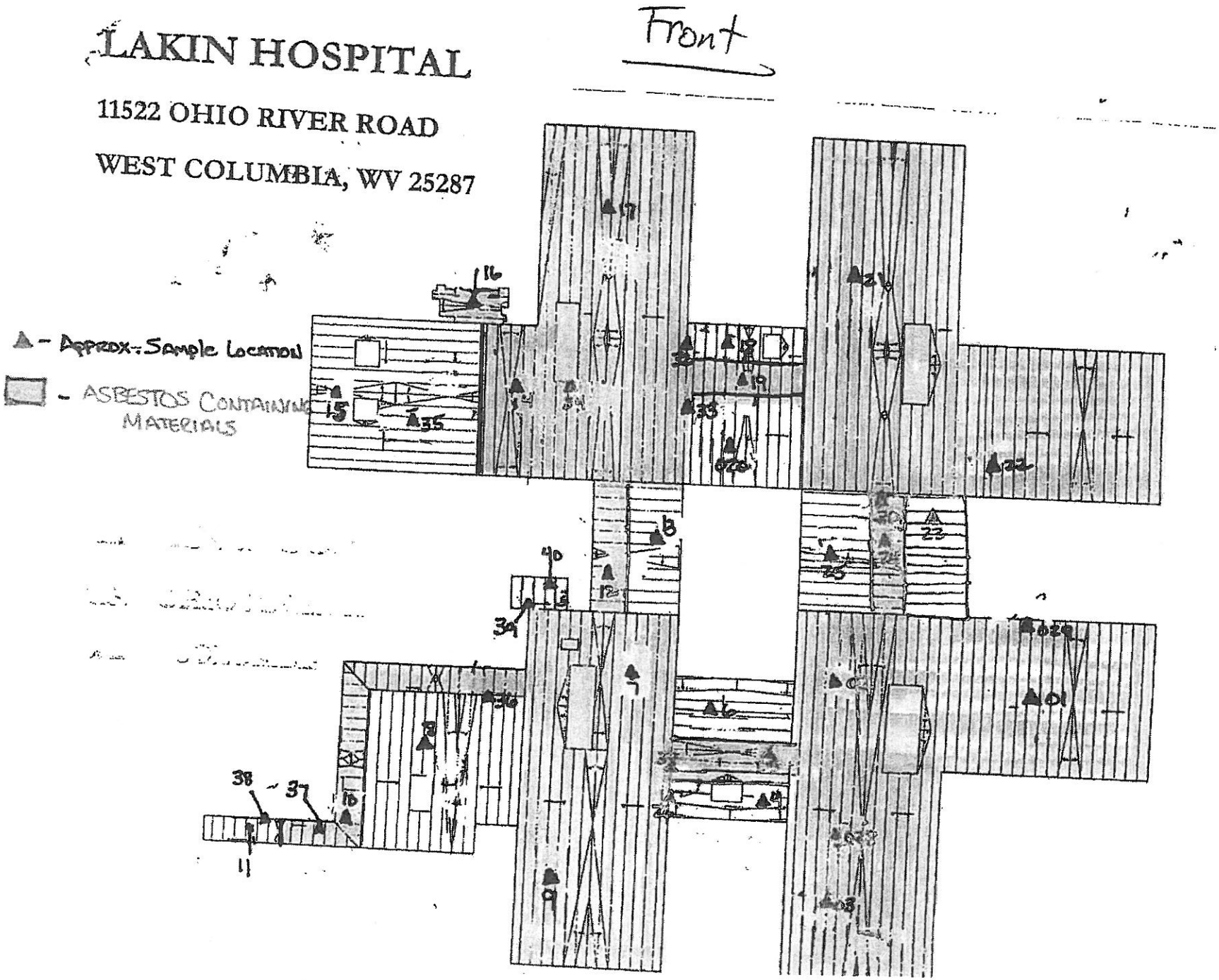
LAKIN HOSPITAL

11522 OHIO RIVER ROAD

WEST COLUMBIA, WV 25287



ASTAR ABATEMENT, INC
Quality Safety Reliability

Appendix 1
Laboratory Results

Post Office Box 13533
Sissonville, West Virginia 25360

A13.9266 (40)
A1527934. A1527973
(LINCOLN HOSPITAL)

ASTAR ABATEMENT, INC.
Mold, Asbestos, Lead-Based Paint
Consulting & Remediation Services

Client W.V. Dept Health & Human Resources Job # 13-458
Inspector Jeff/Chad Date 8-7-13

Turn-Around Time
☐ 4 Hours ☑ 24 Hours ☐ 48 Hours ☐ 3 Days ☐ 5 Days

	Sample ID	Material Description	Lab ID
1	13-458-01	Core Sample Roof	
2	02		
3	03		
4	04		
5	05		
6	06		
7	07		
8	08		
9	09		
10	010		
11	011		
12	012		
13	013		
14	014		
15	015		
16	016		
17	017		
18	018		
19	019		
20	020		
21	021		
22	022		
23	023		
24	024		
25	025		
26	026	FLASHING	
27	027		
28	028		
29	029		
30	030		
31	031		
32	032		
33	033		
34	034		
35	035		
36	036		

Check Back For Additional Samples

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
8-7-13		9:10	AUG 08 2013
Relinquished By:	Date/Time:	Relinquished By:	Date/Time:

PO. Box 13533
Sissonville, WV 25360

Corporate E-mail
astarinc@verizon.net

304-984-4030 Voice
304-984-4031 Fax

A13.9206

ASTAR ABATEMENT, INC.
Mold, Asbestos, Lead-Based Paint
Consulting & Remediation Services

Client (CAKIN HOSPITAL)
Inspector

Job # 13-458
Date 8-7-13

Turn-Around Time
☐ 4 Hours ☐ 24 Hours ☐ 48 Hours ☐ 3 Days ☐ 5 Days

	Sample ID	Material Description	Lab ID
1	13-458-037	FLASHING	KDOE
2	038	~ ~	
3	039	Knee Sample	
4	040	Core Sample	
5			
6			
7			
8			
9			
10			
11			
12			
13			
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34			
35			
36			

Check Back For Additional Samples

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
[signature]	8-7-13		
Relinquished By:	Date/Time:	Relinquished By:	Date/Time:

PO. Box 13533
Sissonville, WV 25360

Corporate E-mail
astarinc@verizon.net

304-984-4030 Voice
304-984-4031 Fax

CEI LABS

ASBESTOS LABORATORY REPORT

Prepared for

Astar Abatement, Inc.

PROJECT: 13-458

CEI LAB CODE: A13-9266

DATE ANALYZED: 08/08/13

DATE REPORTED: 08/09/13

TOTAL SAMPLES ANALYZED: 40

 # SAMPLES >1% ASBESTOS: 15

TEL: 866-481-1412

www.ceilabs.com

CEI LABS

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 13-458

CEI LAB CODE: A13-9266

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1	Layer 1	A1527934	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527934	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 40%
2	Layer 1	A1527935	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527935	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
3	Layer 1	A1527936	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527936	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
4		A1527937	Yellow,Black	Roofing Core- Foam And Felt	None Detected
5	Layer 1	A1527938	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527938	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
6		A1527939	Yellow,Grey	Roofing Core- Foam And Felt	None Detected
7	Layer 1	A1527940	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527940	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
8		A1527941	Yellow,Black	Roofing Core- Foam And Felt	None Detected
9	Layer 1	A1527942	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527942	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
10	Layer 1	A1527943	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527943	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
11		A1527944	Yellow,Black	Roofing Core- Foam And Felt	None Detected
12		A1527945	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
13		A1527946	Yellow,Black	Roofing Core- Foam And Felt	None Detected
14	Layer 1	A1527947	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527947	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
15		A1527948	Yellow,Black	Roofing Core- Foam And Felt	None Detected
16	Layer 1	A1527949	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527949	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
17	Layer 1	A1527950	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527950	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
18		A1527951	Yellow,Black	Roofing Core- Foam And Felt	None Detected
19	Layer 1	A1527952	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527952	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
20		A1527953	Yellow,Black	Roofing Core- Foam And Felt	None Detected

CEI LABS

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 13-458

CEI LAB CODE: A13-9266

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
21	Layer 1	A1527954	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527954	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
22	Layer 1	A1527955	Yellow,Black	Roofing Core- Foam And Felt	None Detected
	Layer 2	A1527955	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
23		A1527956	Yellow,Black	Roofing Core- Foam And Felt	None Detected
24		A1527957	Yellow,Black	Roofing Core- Tar And Insulation	Chrysotile 10%
25		A1527958	Yellow,Black	Roofing Core- Foam And Felt	None Detected
26		A1527959	Black	Roof Flashing	None Detected
27		A1527960	Black	Roof Flashing	None Detected
28		A1527961	Black	Roof Flashing	None Detected
29		A1527962	Black	Roof Flashing	None Detected
30		A1527963	Black	Roof Flashing	None Detected
31		A1527964	Black	Roof Flashing	None Detected
32		A1527965	Black	Roof Flashing	None Detected
33		A1527966	Black	Roof Flashing	None Detected
34		A1527967	Black	Roof Flashing	None Detected
35		A1527968	Black	Roof Flashing	None Detected
36		A1527969	Black	Roof Flashing	None Detected
37		A1527970	Black	Roof Flashing	None Detected
38		A1527971	Black	Roof Flashing	None Detected
39		A1527972	Black	Roof Flashing	None Detected
40		A1527973	Black,Yellow	Roofing Core- Felt And Insulation	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1 Layer 1 A1527934	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527934	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
2 Layer 1 A1527935	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527935	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
3 Layer 1 A1527936	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527936	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
4 A1527937	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
5 Layer 1 A1527938	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527938	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
6 A1527939	Roofing Core- Foam And Felt	Heterogeneous Yellow,Grey Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
7 Layer 1 A1527940	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527940	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
8 A1527941	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
9 Layer 1 A1527942	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
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CEI Lab Code: A13-9266
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Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 2 A1527942	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
10 Layer 1 A1527943	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527943	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	30% 5%	Cellulose Fiberglass	48% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
11 A1527944	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	35% 25%	Foam Gravel	None Detected
12 A1527945	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	30% 5%	Cellulose Fiberglass	48% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
13 A1527946	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
14 Layer 1 A1527947	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
Layer 2 A1527947	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
15 A1527948	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
16 Layer 1 A1527949	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527949	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
17 Layer 1 A1527950	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
Layer 2 A1527950	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
18 A1527951	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
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Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
19 Layer 1 A1527952	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	55% 25%	Cellulose Fiberglass	20%	Foam	**None Detected**
Layer 2 A1527952	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	**10% Chrysotile**
20 A1527953	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	**None Detected**
21 Layer 1 A1527954	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	55% 25%	Cellulose Fiberglass	20%	Foam	**None Detected**
Layer 2 A1527954	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	**10% Chrysotile**
22 Layer 1 A1527955	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	**None Detected**
Layer 2 A1527955	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	**10% Chrysotile**

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
23 A1527956	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
24 A1527957	Roofing Core- Tar And Insulation	Heterogeneous Yellow,Black Fibrous Bound	25% 5%	Cellulose Fiberglass	53% 2% 5%	Tar Silicates Calc Carb	10% Chrysotile
25 A1527958	Roofing Core- Foam And Felt	Heterogeneous Yellow,Black Fibrous Bound	25% 15%	Cellulose Fiberglass	60%	Foam	None Detected
26 A1527959	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected
27 A1527960	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected
28 A1527961	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected
29 A1527962	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
30	Roof Flashing	Heterogeneous			<1%	Silicates	None Detected
A1527963		Black			98%	Rubber	
		Non-fibrous			2%	Mastic	
		Bound					
31	Roof Flashing	Heterogeneous			<1%	Silicates	None Detected
A1527964		Black			98%	Rubber	
		Non-fibrous			2%	Mastic	
		Bound					
32	Roof Flashing	Heterogeneous			<1%	Silicates	None Detected
A1527965		Black			98%	Rubber	
		Non-fibrous			2%	Mastic	
		Bound					
33	Roof Flashing	Heterogeneous			<1%	Silicates	None Detected
A1527966		Black			98%	Rubber	
		Non-fibrous			2%	Mastic	
		Bound					
34	Roof Flashing	Heterogeneous	15%	Cellulose	<1%	Silicates	None Detected
A1527967		Black			55%	Rubber	
		Non-fibrous			30%	Foam	
		Bound					
35	Roof Flashing	Heterogeneous	15%	Cellulose	<1%	Silicates	None Detected
A1527968		Black			60%	Rubber	
		Non-fibrous			25%	Foam	
		Bound					
36	Roof Flashing	Heterogeneous			<1%	Silicates	None Detected
A1527969		Black			98%	Rubber	
		Non-fibrous			2%	Mastic	
		Bound					

CEI LABS

ASBESTOS BULK ANALYSIS
By: POLARIZING LIGHT MICROSCOPY

Client: Astar Abatement, Inc.
539 Kanawha Two-Mile Road
Charleston, WV 25302

CEI Lab Code: A13-9266
Date Received: 08-08-13
Date Analyzed: 08-08-13
Date Reported: 08-09-13

Project: 13-458

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
37 A1527970	Roof Flashing	Heterogeneous Black Non-fibrous Bound	15%	Cellulose	<1% 55% 30%	Silicates Rubber Foam	None Detected
38 A1527971	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected
39 A1527972	Roof Flashing	Heterogeneous Black Non-fibrous Bound			<1% 98% 2%	Silicates Rubber Mastic	None Detected
40 A1527973	Roofing Core- Felt And Insulation	Heterogeneous Black,Yellow Non-fibrous Bound	35% 15%	Cellulose Fiberglass	50%	Foam	None Detected

CEI LABS

LEGEND: Non-Anth = Non-Asbestiform Anthophylite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: **EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020**

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

ANALYST: Megan Rumble
Megan Rumble

APPROVED BY: Tianbao Bai
Tianbao Bai, Ph.D.
Laboratory Director

NVLAP®
NVLAP Lab Code 101768-0

ASTAR ABATEMENT, INC
Quality Safety Reliability

Appendix 2
Certification/License

Post Office Box 13533
Sissonville, West Virginia 25360

WEST VIRGINIA
Asbestos Program

Jeff Bailey

IS LICENSED AS AN
ASBESTOS INSPECTOR

License #: AI006984
Issued: 9/24/2012
Expires: 9/30/2013

Anthony Turner Assistant Director
WV RTIA DIV

is Certificate is Awarded to

Jeff Bailey

Who has successfully completed the below course with a score of 70% or better. This course is West Virginia and EPA approved and meets the requirements setforth in 40 CFR Part 763 (AHERA) for purposes of accreditation required under TSCA Title II. This Course was conducted by Astar Abatement, Incorporated.

Asbestos Inspector Refresher

Course Start Date
9/4/2012 Thru 9/4/2012

Exam Date
9/4/2012
Expiration Date
9/4/2013

Total Hours
8

Certificate Number
AC13107-669

Gregory Pauley
Instructors Name

Gregory Pauley
Instructors Signature

ASTAR
ABATEMENT & INSULATION

Post Office Box 13533
Sissonville, WV 25360
Phone: (304) 343-5950
Fax: (304) 343-5951

There is a printed watermark below the instructors signature on the original

ASTAR ABATEMENT, INC
Quality Safety Reliability

Appendix 3
SUMMARY OF ACM MATERIALS

Post Office Box 13533
Sissonville, West Virginia 25360

ASTAR ABATEMENT, INC
Quality Safety Reliability

Material Description	Sample #	Quantity	Result	Room #
Roof core (tar and insulation) (see drawing)	01-02-03-05-07-09-010-012-014-016-017-019-021-022-024	Approx. 58,000 SF	10% Chrysotile	Roof
Roof core samples (these samples only had foam and felt paper over pan) (see drawing)	04-06-08-011-013-015-018-020-023-025-040	-------	NAD	Roof
Flashing	026 through 039	-------	NAD	Roof

SF-Square Feet LF – Linear Feet JT – Joints NAD – No Asbestos Detected

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: LSH14035

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[ ] Addendum No. 1	[ ] Addendum No. 6
[ ] Addendum No. 2	[ ] Addendum No. 7
[ ] Addendum No. 3	[ ] Addendum No. 8
[ ] Addendum No. 4	[ ] Addendum No. 9
[ ] Addendum No. 5	[ ] Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

_____
Company

_____
Authorized Signature

_____
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012