



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 7

List View

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 329828

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0212

Vendor ID: 000000208254

SO Doc ID: SWC1700000016

Legal Name: ASTAR ABATEMENT INC

Published Date: 6/1/17

Alias/DBA:

Close Date: 6/6/17

Total Bid: \$110,634.81

Close Time: 13:30

Response Date: 06/05/2017

Status: Closed

Response Time: 12:58

Solicitation Description: Addendum No. 4 - Asbestos Abatement Services

Total of Header Attachments: 7

Total of All Attachments: 7



Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder : 329828

Solicitation Description : Addendum No. 4 - Asbestos Abatement Services

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2017-06-06 13:30:00	SR 0212 ESR06051700000006031	1

VENDOR

000000208254

ASTAR ABATEMENT INC

Solicitation Number: CRFQ 0212 SWC1700000016

Total Bid : \$110,634.81

Response Date: 2017-06-05

Response Time: 12:58:01

Comments: Astar Abatement, Inc. uses Supervisors for its projects. Therefore we do not have a Worker Certificate to submit and instead submitted 2 Supervisors. We also submitted the Pricing Pages by PDF (SIGNED) and by Excel which isn't signed to help make evaluation easier (Each Separate Files.

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers
(304) 558-2063
michelle.l.childers@wv.gov

Signature on File

FEIN #

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	ABATEMENT SERVICES - INSULATION SERVICES				\$110,634.81

Comm Code	Manufacturer	Specification	Model #
76101602			

Extended Description :	*Use Excel Pricing Pages*
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BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Astar Abatement, Inc.
of Sissonville, West Virginia, as Principal, and American Southern Insurance Company
of Reynoldsburg, Ohio, a corporation organized and existing under the laws of the State of Kansas
with its principal office in the City of Atlanta, GA, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of Eight Thousand Eight Hundred and No/100 (\$ 8,800.00) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
Statewide Asbestos Abatement & Reinsulation

NOW THEREFORE,

(a) If said bid shall be rejected, or
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this
6th day of June, 20 17.

Principal Corporate Seal

Astar Abatement, Inc.

(Name of Principal)

By Gregory Paul
(Must be President or
Vice President)

Vice President of Operations
(Title)

Surety Corporate Seal

American Southern Insurance Company
(Name of Surety)

Andrew C. Heaner
Attorney-in-Fact
Andrew C. Heaner

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals must be affixed, a power of attorney must be attached.

AMERICAN SOUTHERN INSURANCE COMPANY

Home Office: 3715 Northside Parkway, NW
Suite 4-800
Atlanta, Georgia 30327

Mailing Address: P. O. Box 723030
Atlanta, GA 31139-0030

GENERAL POWER OF ATTORNEY

Know all men by these Presents, that the American Southern Insurance Company had made, constituted and appointed, and by these presents does make, constitute and appoint Stefan E. Tauger of Parker, Colorado; Scott E. Stoltzner of Hoover, Alabama; Arthur S. Johnson of Atlanta, Georgia; Andrew C. Heaner of Atlanta, Georgia; Jeffery L. Booth of Blacklick, Ohio; James E. Feldner of West Lake, Ohio; Patricia E. Martin of Lutz, Florida; David R. Brett of Columbia, South Carolina; Tirrell L. Moore of Monroe, North Carolina; Melanie J. Stokes of Atlanta, Georgia; Jason S. Centrella of Jacksonville, Florida; Michael K. Thompson of Atlanta, Georgia; Michael J. Brown of Cumming, Georgia; or Kelley E.M. Nys of Decatur, Georgia, EACH as its true and lawful attorney for it and its name, place and stead to execute on behalf of the said company, as surety, bonds, undertakings and contracts of suretyship to be given to all obligees provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount of the sum of \$1,000,000 (one million dollars), including but not limited to consents of surety for the release of retained percentages and/or final estimates on construction contracts or similar authority requested by the Department of Transportation, State of Florida; and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of the presents, shall be as binding upon the Company as if they had been duly signed by the President and attested by the Secretary of the Company in their own proper persons.


This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted pursuant to due authorization by the Executive Committee of the Board of Directors of the American Southern Insurance Company on the 26th day of May, 1998:

RESOLVED, that the Chairman, President or any Vice President of the Company be, and that each or any of them hereby is, authorized to execute Powers of Attorney qualifying the attorney named in the given Power of Attorney to execute in behalf of the American Southern Insurance Company bonds, undertakings and all contracts of suretyship; and that any Secretary or any Assistant Secretary be, and that each or any of them hereby is, authorized to attest the execution of any such Power of Attorney, and to attach thereto the seal of the Company.

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed and in the future, with respect to any bond undertaking or contract of suretyship to which it is attached.

In Witness Whereof, the American Southern Insurance Company has caused its official seal to be hereto affixed, and these presents to be signed by its President and attested by its Secretary this 15th day of December, 2016.

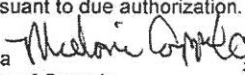
Attest: 
Gail A. Lee, Secretary

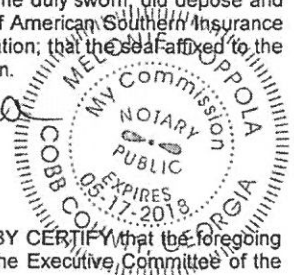
American Southern Insurance Company
By: 
Scott G. Thompson, President

STATE OF GEORGIA
SS:
COUNTY OF FULTON

On this 15th day of December, 2016, before me personally came Scott G. Thompson to me known, who being by me duly sworn, did depose and say that he resides in Atlanta, in the County of Fulton, State of Georgia, at 421 Hollydale Court; that he is the President of American Southern Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed and that he signed his name thereto pursuant to due authorization.

STATE OF GEORGIA
SS:
COUNTY OF FULTON

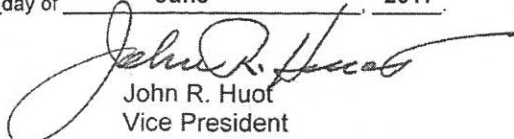

Melonie A. Coppola
Notary Public, State of Georgia
Qualified in Cobb County
Commission Expires May 17, 2018



I, the undersigned, a Vice President of American Southern Insurance Company, a Kansas Corporation, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and, furthermore, that the Resolution of the Executive Committee of the Board of Directors set forth in the Power of Attorney is now in force.

Signed and sealed at the City of Atlanta, Dated the 6th day of June, 2017.

Power No. **42460**


John R. Huot
Vice President

American Southern Insurance Company
NAIC Company Code 10235
NAIC Group Code 587

Statutory Financial Statement

As of December 31, 2016

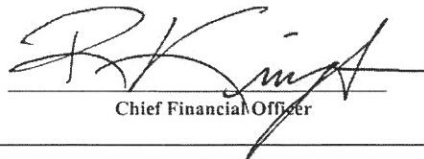
ASSETS		LIABILITIES	
Bonds	\$71,664,610	Reserve for Losses and Loss Expense	\$39,750,059
Stocks	18,986,414	Reserve for Unearned Premiums	19,476,768
Cash & Short-Term Investments	6,212,103	Reserve for Expenses, Taxes, Licenses and Fees	5,398,104
Agents Balances	8,274,884	Payable to Parents, Subsidiaries and Affiliates	273,203
Other Assets	5,781,727	Other Liabilities	4,532,738
		Total Liabilities	\$69,430,872
		POLICYHOLDERS'S SUPLUS	
		Capital Stock	3,000,000
		Surplus	38,488,866
		Total Policy holders' Surplus	41,488,866
Total Assets	\$110,919,738	Total Liabilities and Policyholders' Surplus	\$110,919,738

Bonds and stocks are valued in accordance with the basis adopted by the National Association of Insurance Commissioners (NAIC).

CERTIFICATE

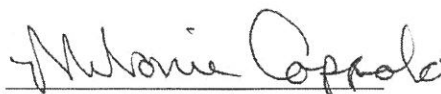
The officers of this reporting entity being duly sworn, each depose and say that they are the described officers of said reporting entity, and that on the reporting period stated above, all of the herein described assets were the absolute property of the said reporting entity, free and clear from any liens or claims thereon, except as herein stated, and that this statement, together with related exhibits, schedules and explanations therein contained, annexed or referred to, is a full and true statement of all the assets and liabilities and of the condition and affairs of the said reporting entity as of the reporting period stated above, and of its income and deductions therefrom for the period ended, and have been completed in accordance with the NAIC Annual Statement Instructions and Accounting Practices and Procedures manual except to the extent that: (1) state law may differ; or, (2) that state rules or regulations require differences in reporting not related to accounting practices and procedures, according to the best of their information, knowledge and belief, respectively.


President


Chief Financial Officer

State of Georgia
County of Fulton

On the 7th day of March 2017, before me came the above named officers of the American Southern Insurance Company to me personally known to be the individuals and officers described herein, and acknowledge that they executed the foregoing instrument and affixed the seal of said company thereto by authority of their office.


Melonie Coppola, Notary Public
My Commission Expires, May 17, 2018





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/14/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Mountain State Insurance Agency 1206 Kanawha Blvd. E. Charleston WV 25301		CONTACT NAME: Kathryn Arthur PHONE (A/C, No, Ext): (304) 720-2000 FAX (A/C, No): (304) 720-2002 E-MAIL ADDRESS: karthur@mountainstateinsurance.com															
INSURED Astar, Inc. Astar Abatement, Inc. PO Box 13533 Charleston WV 25360		INSURER(S) AFFORDING COVERAGE <table border="1"><thead><tr><th>INSURER</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Westchester Surplus Lines Ins Co</td><td>10172</td></tr><tr><td>INSURER B: Ace American Insurance Company</td><td>22667</td></tr><tr><td>INSURER C: BrickStreet Mutual Ins Co</td><td>12372</td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>		INSURER	NAIC #	INSURER A: Westchester Surplus Lines Ins Co	10172	INSURER B: Ace American Insurance Company	22667	INSURER C: BrickStreet Mutual Ins Co	12372	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																	
INSURER E:																	
INSURER F:																	

COVERAGES

CERTIFICATE NUMBER: 17-18 Enviro

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS														
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		G24374427 005	3/16/2017	3/16/2018	<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$ 1,000,000</td></tr><tr><td>DAMAGE TO RENTED PREMISES (Ea occurrence)</td><td>\$ 100,000</td></tr><tr><td>MED EXP (Any one person)</td><td>\$ 5,000</td></tr><tr><td>PERSONAL & ADV INJURY</td><td>\$ 1,000,000</td></tr><tr><td>GENERAL AGGREGATE</td><td>\$ 2,000,000</td></tr><tr><td>PRODUCTS - COMP/OP AGG</td><td>\$ 2,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 1,000,000	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000	MED EXP (Any one person)	\$ 5,000	PERSONAL & ADV INJURY	\$ 1,000,000	GENERAL AGGREGATE	\$ 2,000,000	PRODUCTS - COMP/OP AGG	\$ 2,000,000		\$
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GENERAL AGGREGATE	\$ 2,000,000																			
PRODUCTS - COMP/OP AGG	\$ 2,000,000																			
	\$																			
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		H08455156 005	3/16/2017	3/16/2018	<table border="1"><tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td>\$ 1,000,000</td></tr><tr><td>BODILY INJURY (Per person)</td><td>\$</td></tr><tr><td>BODILY INJURY (Per accident)</td><td>\$</td></tr><tr><td>PROPERTY DAMAGE (Per accident)</td><td>\$</td></tr><tr><td></td><td>\$</td></tr></table>	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$		\$				
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	\$																			
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		G24374440 005	3/16/2017	3/16/2018	<table border="1"><tr><td>EACH OCCURRENCE</td><td>\$ 5,000,000</td></tr><tr><td>AGGREGATE</td><td>\$ 5,000,000</td></tr><tr><td></td><td>\$</td></tr></table>	EACH OCCURRENCE	\$ 5,000,000	AGGREGATE	\$ 5,000,000		\$								
EACH OCCURRENCE	\$ 5,000,000																			
AGGREGATE	\$ 5,000,000																			
	\$																			
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	WCB1019681 WV Broad Form	6/30/16	6/30/2017	<table border="1"><tr><td><input checked="" type="checkbox"/> PER STATUTE</td><td>OTH-ER</td></tr><tr><td>E.L. EACH ACCIDENT</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - EA EMPLOYEE</td><td>\$ 1,000,000</td></tr><tr><td>E.L. DISEASE - POLICY LIMIT</td><td>\$ 1,000,000</td></tr></table>	<input checked="" type="checkbox"/> PER STATUTE	OTH-ER	E.L. EACH ACCIDENT	\$ 1,000,000	E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	E.L. DISEASE - POLICY LIMIT	\$ 1,000,000						
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E.L. EACH ACCIDENT	\$ 1,000,000																			
E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000																			
E.L. DISEASE - POLICY LIMIT	\$ 1,000,000																			
A	Professional Liability & Pollution		G24374427 005	3/16/2017	3/16/2018	Included in GL Aggregate \$1,000,000														

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kathryn Arthur/KATHY

© 1988-2014 ACORD CORPORATION. All rights reserved.

This Certificate is Awarded to

Eric L. Shepard

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 set forth in 40 CFR Part 763 (AHERA) for purposes of accreditation required under TSCA Title II. This Course was conducted by Astar Abatement, Incorporated.

Asbestos Contractor Supervisor Refresher

Course Start Date
9/01/2016

Exam Date

9/01/2016

Expiration Date

9/01/2017

Total Hours

8

Certificate Number



ABATEMENT & INSULATION

Michael G. Pauley
Instructors Name

Instructors Signature

Post Office Box 13533
Sissonville, WV 25360
Phone: (304) 343-5950
Fax: (304) 343-5961

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



WEST VIRGINIA
Asbestos Program

Eric L. Shepard

IS LICENSED AS AN
ASBESTOS SUPERVISOR

License # [REDACTED]
Issued: 8/5/2016
Expires: 8/31/2017

Director

This Certificate is Awarded to

Derek A. Sigman

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 set forth in 40 CFR Part 763 (AHERA) for purposes of accreditation required under TSCA Title II. This Course was conducted by Astar Abatement, Incorporated.

Asbestos Contractor Supervisor Refresher

Course Start Date
9/01/2016

Exam Date

9/01/2016

Expiration Date

9/01/2017

Total Hours
8

Certificate Number
[REDACTED]



Michael G. Pauley
Instructors Name

Michael G. Pauley

Instructors Signature

Post Office Box 13533
Sissonville, WV 25360
Phone: (304) 343-5950
Fax: (304) 343-5961

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



WEST VIRGINIA
Asbestos Program

Derek A. Sigman

IS LICENSED AS AN
ASBESTOS SUPERVISOR

License #

Issued:

6/26/2016

Expires:

6/30/2017

Director
WV DEHP

CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number:

WV022387

Classification:

ASBESTOS REMOVAL

ASTAR ABATEMENT INC
DBA ASTAR ABATEMENT INC
PO BOX 13533
SISSONVILLE, WV 25360

Date Issued

Expiration Date

FEBRUARY 10, 2017

FEBRUARY 10, 2018

Roger Pritt

Authorized Company Signature

Gene Thayer

Chair, West Virginia Contractor
Licensing Board

WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.

State of West Virginia

Bureau for Public Health
Office of Environmental Health Services
Radiation, Toxics and Indoor Air Division
This is to certify that

Astar Abatement, Inc.

PO Box 13533

Sissonville, WV 25360

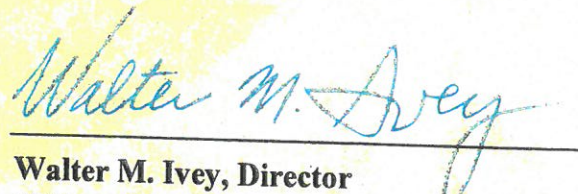
Has complied with Chapter 16, Article 32, of the Asbestos
Abatement Licensing Rules and Regulations and is hereby
licensed as an

Asbestos Abatement Contractor

Asbestos Abatement Contractor License Number:
AC002487

Issued: 2/23/2017

Expires: 2/28/2018


Walter M. Ivey, Director
Office of Environmental Health Services



WEST VIRGINIA

Asbestos Program

Astar Abatement, Inc.

IS LICENSED AS AN
ASBESTOS CONTRACTOR

License #: AC002487

Issued: 2/23/2017

Expires: 2/28/2018

Walter M. Avey

Director
WV OEHS

ABATMNT17 - Pricing Pages

BID SCENARIO #1	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Rooms A, B & C	26.0	Contaminated Carpet Removal, per square foot	Square Foot	684	x	\$ 1.25	=	\$ 855.00
Rooms A, B & C	4.1	Floor Tile with mastic, per square foot (over 260 sq ft)	Square Foot	684	x	\$ 2.80	=	\$ 1,915.20
Total Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00
Air Clearances	5.2	Set of Air Clearances, each	Each	3	x	\$ 300.00	=	\$ 900.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
				BID SCENARIO #1 SUBTOTAL		=	\$	4,825.20

ABATMNT17 - Pricing Pages

BID SCENARIO #2	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Air Handler Abatement	4.4	Removing 3/4" sheet insulation on air handler, per sq ft	Square Foot	980	x	\$ 2.45	=	\$ 2,401.00
Air Handler Re-insulation	21.1.a	Insulating air handler with 1" Type 6 insulation, per sq ft	Square Foot	980	x	\$ 2.25	=	\$ 2,205.00
Vent Ducting Abatement	4.4	Removing 1" sheet insulation on vent ductwork, per sq ft	Square Foot	420	x	\$ 2.45	=	\$ 1,029.00
Vent Ducting Re-insulation	16.0	Insulating ductwork with 1-1/2" Type 3 insulation, per sq ft	Square Foot	420	x	\$ 2.88	=	\$ 1,209.60
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	120	x	\$ 5.00	=	\$ 600.00
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	89	x	\$ 6.55	=	\$ 582.95
Removal - 4" CW Piping	1.3	Four inch pipe, per linear foot	Linear Foot	115	x	\$ 6.65	=	\$ 764.75
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	32	x	\$ 8.00	=	\$ 256.00
Removal - 24" Steam Piping	2.12	Over twelve inch pipe, per linear foot to 24 inches	Linear Foot	295	x	\$ 8.00	=	\$ 2,360.00
Re-insulate - 1" CW Piping	10.2.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	120	x	\$ 2.25	=	\$ 270.00
Re-insulate - 2" CW Piping	10.4.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	89	x	\$ 2.40	=	\$ 213.60
Re-insulate - 4" CW Piping	10.7.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	115	x	\$ 3.20	=	\$ 368.00
Re-insulate - 12" Steam Piping	10.12.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	32	x	\$ 7.30	=	\$ 233.60
Re-insulate - 24" Steam Piping	11.17.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	295	x	\$ 11.90	=	\$ 3,510.50
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be all Type 1, 1" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	15 Tees, 6 Valves, 10 Elbows (Category 2.0 times factor)	Linear Foot	31	x	\$ 7.50	=	\$ 232.50
Removal - 2" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Valves (Category 2.1 times factor)	Linear Foot	6	x	\$ 9.83	=	\$ 58.95
Removal - 4" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Tees (Category 2.3 times factor)	Linear Foot	6	x	\$ 9.98	=	\$ 59.85
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.11 times factor)	Linear Foot	2	x	\$ 12.00	=	\$ 24.00
Removal - 24" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.12 times factor)	Linear Foot	2	x	\$ 12.00	=	\$ 24.00
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	15 Tees, 6 Valves, 10 Elbows (Category 11.2.b times factor)	Linear Foot	31	x	\$ 6.75	=	\$ 209.25
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Valves (Category 11.4.b times factor)	Linear Foot	6	x	\$ 7.20	=	\$ 43.20
Re-insulate - 4" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Tees (Category 11.7.b times factor)	Linear Foot	6	x	\$ 9.60	=	\$ 57.60
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.12.b times factor)	Linear Foot	2	x	\$ 21.90	=	\$ 43.80
Re-insulate - 24" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.17.b times factor)	Linear Foot	2	x	\$ 35.70	=	\$ 71.40
Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00

Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$ 300.00	=	\$ 300.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
					BID SCENARIO #2 SUBTOTAL		=	\$ 18,283.55

ABATMNT17 - Pricing Pages

BID SCENARIO #3	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Spray-on Insulation	4.3	Removal from steel structural members, per square foot	Square Foot	11000	x	\$ 2.65	=	\$ 29,150.00
Re-fireproofing	25.0	Cementitious fireproofing re-applied to steel members	Square Foot	11000	x	\$ 3.05	=	\$ 33,550.00
Air Handler Abatement	4.4	Removing sheet insulation on three air handlers, per sq ft	Square Foot	2435	x	\$ 2.45	=	\$ 5,965.75
Air Handler Re-insulation	21.1.a	Insulating air handlers with 1" Type 6 insulation, per sq ft	Square Foot	2435	x	\$ 2.25	=	\$ 5,478.75
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	175	x	\$ 5.00	=	\$ 875.00
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	155	x	\$ 6.55	=	\$ 1,015.25
Removal - 6" CW Piping	1.5	Six inch pipe, per linear foot	Linear Foot	85	x	\$ 6.70	=	\$ 569.50
Removal - 8" Steam Piping	1.7	Eight inch pipe, per linear foot	Linear Foot	140	x	\$ 6.85	=	\$ 959.00
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	80	x	\$ 8.00	=	\$ 640.00
Re-insulate - 1" CW Piping	10.2.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	175	x	\$ 2.50	=	\$ 437.50
Re-insulate - 2" CW Piping	10.4.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	155	x	\$ 2.65	=	\$ 410.75
Re-insulate - 6" CW Piping	10.9.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	85	x	\$ 4.00	=	\$ 340.00
Re-insulate - 8" Steam Piping	10.10.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	140	x	\$ 6.00	=	\$ 840.00
Re-insulate - 12" Steam Piping	10.12.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	80	x	\$ 8.00	=	\$ 640.00
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be at Type 1, 1-1/2" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	8 Tees, 16 Valves, 24 Elbows (Category 2.0 times factor)	Linear Foot	48	x	\$ 7.50	=	\$ 360.00
Removal - 2" Pipefittings	8.0 (factor of 1.5)	9 Tees, 6 Valves, 16 Elbows (Category 2.1 times factor)	Linear Foot	31	x	\$ 9.83	=	\$ 304.58
Removal - 6" Pipefittings	8.0 (factor of 1.5)	4 Tees, 6 Valves, 8 Elbows (Category 2.5 times factor)	Linear Foot	18	x	\$ 10.05	=	\$ 180.90
Removal - 8" Pipefittings	8.0 (factor of 1.5)	6 Tees, 4 Valves, 12 Elbows (Category 2.7 times factor)	Linear Foot	22	x	\$ 10.28	=	\$ 226.05
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Valves, 4 Elbows (Category 2.11 times factor)	Linear Foot	6	x	\$ 12.00	=	\$ 72.00
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	8 Tees, 16 Valves, 24 Elbows (Category 11.2.c times factor)	Linear Foot	48	x	\$ 7.50	=	\$ 360.00
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	9 Tees, 6 Valves, 16 Elbows (Category 11.4.c times factor)	Linear Foot	31	x	\$ 7.95	=	\$ 246.45
Re-insulate - 6" Pipefittings	9.0 (factor of 3.0)	4 Tees, 6 Valves, 8 Elbows (Category 11.9.c times factor)	Linear Foot	18	x	\$ 12.00	=	\$ 216.00
Re-insulate - 8" Pipefittings	9.0 (factor of 3.0)	6 Tees, 4 Valves, 12 Elbows (Category 11.10.c times factor)	Linear Foot	22	x	\$ 18.00	=	\$ 396.00
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Valves, 4 Elbows (Category 11.12.c times factor)	Linear Foot	6	x	\$ 24.00	=	\$ 144.00
Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00

Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$ 300.00	=	\$ 300.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
Inspector/Mgmt, Planner	5.5	Planner, per hour	per Hour	1	x	\$ 40.00	=	\$ 40.00
PLM, 48hr Turnaround	5.6	Asbestos Bulk Samples, each	Each	10	x	\$ 40.00	=	\$ 400.00
PLM, Rush turn around time	5.7	Asbestos Bulk Samples, each	Each	2	x	\$ 22.00	=	\$ 44.00
					BID SCENARIO #3 SUBTOTAL		=	\$ 85,316.48

UNIT PRICES PRICING PAGES Revised: 06/01/2017

Category 1: Abatement of 1-260 linear feet of pipe lagging

Sub-category	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Unit Price	\$ 5.00	\$ 6.55	\$ 6.60	\$ 6.65	\$ 6.65	\$ 6.70	\$ 6.75	\$ 6.85
Sub-category	1.8	1.9	1.10	1.11	1.12			
Unit Price	\$ 6.90	\$ 6.90	\$ 7.55	\$ 8.00	\$ 16.00			

Category 2: Abatement of more than 260 linear feet of pipe lagging

Sub-category	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
Unit Price	\$ 5.00	\$ 6.55	\$ 6.60	\$ 6.65	\$ 6.70	\$ 6.75	\$ 6.80	\$ 6.90
Sub-category	2.8	2.9	2.10	2.11	2.12			
Unit Price	\$ 6.90	\$ 6.90	\$ 7.55	\$ 7.75	\$ 8.00			

Category 3: Abatement of materials, 1-260 square feet

Sub-category	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Unit Price	\$ 4.00	\$ 4.50	\$ 9.50	\$ 4.75	\$ 4.25	\$ 8.00	\$ 5.50	\$ 5.75
Sub-category	3.8	3.9	3.10	3.11				
Unit Price	\$ 5.50	\$ 4.75	\$ 5.85	\$ 5.00				

Category 4: Abatement of materials, more than 260 square feet

Sub-category	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
Unit Price	\$ 2.20	\$ 2.80	\$ 5.85	\$ 2.65	\$ 2.45	\$ 4.00	\$ 6.00	\$ 3.75
Sub-category	4.8	4.9	4.10	4.11	4.12			
Unit Price	\$ 3.85	\$ 2.75	\$ 3.25	\$ 4.25	\$ 3.00			

Category 5: Miscellaneous (Sampling, Air Clearances, Management, etc)

Sub-category	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
Unit Price	\$ 8.00	\$ 45.00	\$ 300.00	\$ 45.00	\$ 35.00	\$ 40.00	\$ 13.00	\$ 22.00

Category 6: Bridging/penetrating encapsulation, 1-260 sq ft

Sub-category	6.0
Unit Price	\$ 3.85

Category 7: Bridging/penetrating encapsulation, more than 260 sq ft

Sub-category	7.0
Unit Price	\$ 3.60

Category 8: Abatement for pipefittings

Sub-category	8.0
Factor of 1.5	x Linear Foot Cost

Category 9: Pipefitting Insulation

Sub-category	9.0
Factor of 3.0	x Linear Foot Cost

Category 10: Pipe Insulation, 1-260 linear feet, Type 1

Sub-category	10.0.a	10.0.b	10.0.c	10.0.d	10.1.a	10.1.b	10.1.c	10.1.d
Unit Price	\$ 1.80	\$ 3.00	\$ 3.50	\$ 3.75	\$ 2.00	\$ 3.00	\$ 3.60	\$ 3.80
Sub-category	10.2.a	10.2.b	10.2.c	10.2.d	10.3.a	10.3.b	10.3.c	10.3.d
Unit Price	\$ 2.10	\$ 2.25	\$ 2.50	\$ 3.85	\$ 2.10	\$ 3.05	\$ 3.80	\$ 3.90
Sub-category	10.4.a	10.4.b	10.4.c	10.4.d	10.5.a	10.5.b	10.5.c	10.5.d
Unit Price	\$ 2.20	\$ 2.40	\$ 2.65	\$ 3.95	\$ 2.30	\$ 3.20	\$ 4.00	\$ 4.10
Sub-category	10.6.a	10.6.b	10.6.c	10.6.d	10.7.a	10.7.b	10.7.c	10.7.d
Unit Price	\$ 2.50	\$ 3.50	\$ 4.25	\$ 4.35	\$ 2.60	\$ 3.20	\$ 4.50	\$ 4.65
Sub-category	10.8.a	10.8.b	10.8.c	10.8.d	10.9.a	10.9.b	10.9.c	10.9.d

Unit Price	\$ 2.70	\$ 4.50	\$ 5.00	\$ 5.15	\$ 3.00	\$ 3.85	\$ 4.00	\$ 5.60
Sub-category	10.10.b	10.10.c	10.10.d	10.11.b	10.11.c	10.11.d	10.12.b	10.12.c
Unit Price	\$ 6.00	\$ 6.00	\$ 6.55	\$ 7.00	\$ 7.25	\$ 7.25	\$ 7.30	\$ 8.00
Sub-category	10.12.d	10.13.b	10.13.c	10.13.d	10.14.b	10.14.c	10.14.d	10.15.b
Unit Price	\$ 9.00	\$ 9.00	\$ 9.50	\$ 10.00	\$ 10.00	\$ 10.50	\$ 11.00	\$ 12.00
Sub-category	10.15.c	10.15.d	10.16.b	10.16.c	10.16.d	10.17.b	10.17.c	10.17.d
Unit Price	\$ 12.25	\$ 12.75	\$ 13.00	\$ 13.50	\$ 14.00	\$ 13.50	\$ 14.00	\$ 14.75

Category 11: Pipe Insulation, more than 260 linear feet, Type 1

Sub-category	11.0.a	11.0.b	11.0.c	11.0.d	11.1.a	11.1.b	11.1.c	11.1.d
Unit Price	\$ 1.75	\$ 2.90	\$ 3.15	\$ 3.30	\$ 1.85	\$ 2.90	\$ 3.15	\$ 3.30
Sub-category	11.2.a	11.2.b	11.2.c	11.2.d	11.3.a	11.3.b	11.3.c	11.3.d
Unit Price	\$ 1.95	\$ 2.90	\$ 3.15	\$ 3.35	\$ 2.00	\$ 2.95	\$ 3.25	\$ 3.40
Sub-category	11.4.a	11.4.b	11.4.c	11.4.d	11.5.a	11.5.b	11.5.c	11.5.d
Unit Price	\$ 2.00	\$ 3.00	\$ 3.30	\$ 3.45	\$ 2.10	\$ 3.00	\$ 3.35	\$ 3.50
Sub-category	11.6.a	11.6.b	11.6.c	11.6.d	11.7.a	11.7.b	11.7.c	11.7.d
Unit Price	\$ 2.20	\$ 3.10	\$ 3.40	\$ 3.60	\$ 2.30	\$ 3.25	\$ 3.45	\$ 3.70
Sub-category	11.8.a	11.8.b	11.8.c	11.8.d	11.9.a	11.9.b	11.9.c	11.9.d
Unit Price	\$ 2.35	\$ 3.50	\$ 3.65	\$ 3.80	\$ 2.40	\$ 3.75	\$ 3.80	\$ 3.95
Sub-category	11.10.b	11.10.c	11.10.d	11.11.b	11.11.c	11.11.d	11.12.b	11.12.c
Unit Price	\$ 4.75	\$ 5.00	\$ 5.10	\$ 5.25	\$ 5.35	\$ 5.40	\$ 5.50	\$ 5.65
Sub-category	11.12.d	11.13.b	11.13.c	11.13.d	11.14.b	11.14.c	11.14.d	11.15.b
Unit Price	\$ 5.75	\$ 6.00	\$ 6.35	\$ 6.50	\$ 8.00	\$ 8.40	\$ 8.65	\$ 9.00
Sub-category	11.15.c	11.15.d	11.16.b	11.16.c	11.16.d	11.17.b	11.17.c	11.17.d
Unit Price	\$ 9.50	\$ 9.75	\$ 10.00	\$ 10.20	\$ 10.30	\$ 11.90	\$ 12.75	\$ 13.25

Category 13: Pipe Insulation, 1-260 linear feet, Type 2

Sub-category	13.0.a	13.0.b	13.0.c	13.0.d	13.1.a	13.1.b	13.1.c	13.1.c
Unit Price	\$ 3.00	\$ 4.00	\$ 7.75	\$ 8.25	\$ 3.10	\$ 4.25	\$ 8.00	\$ 8.50
Sub-category	13.2.a	13.2.b	13.2.c	13.2.d	13.3.a	13.3.b	13.3.c	13.3.d
Unit Price	\$ 3.25	\$ 4.50	\$ 8.30	\$ 8.60	\$ 3.40	\$ 5.00	\$ 8.80	\$ 9.00
Sub-category	13.4.a	13.4.b	13.4.c	13.4.d	13.5.a	13.5.b	13.5.c	13.5.d
Unit Price	\$ 4.00	\$ 5.50	\$ 9.60	\$ 9.75	\$ 4.40	\$ 6.75	\$ 10.25	\$ 10.50
Sub-category	13.6.a	13.6.b	13.6.c	13.6.d				
Unit Price	\$ 4.65	\$ 7.25	\$ 11.90	\$ 12.25				

Category 14: Pipe Insulation, more than 260 linear feet, Type 2

Sub-category	14.0.a	14.0.b	14.0.c	14.0.d	14.1.a	14.1.b	14.1.c	14.1.d
Unit Price	\$ 2.90	\$ 3.80	\$ 7.40	\$ 7.90	\$ 3.00	\$ 4.10	\$ 7.40	\$ 8.00
Sub-category	14.2.a	14.2.b	14.2.c	14.2.d	14.3.a	14.3.b	14.3.c	14.3.d
Unit Price	\$ 3.20	\$ 4.20	\$ 8.00	\$ 8.40	\$ 3.20	\$ 4.70	\$ 8.00	\$ 8.75
Sub-category	14.4.a	14.4.b	14.4.c	14.4.d	14.5.a	14.5.b	14.5.c	14.5.d
Unit Price	\$ 3.90	\$ 5.00	\$ 9.00	\$ 9.25	\$ 4.00	\$ 6.00	\$ 9.80	\$ 10.00
Sub-category	14.6.a	14.6.b	14.6.c	14.6.d				
Unit Price	\$ 4.40	\$ 7.00	\$ 11.30	\$ 11.75				

Category 15: HVAC Supply/Return Ductwork, 1-260 square feet, Type 3

Sub-category	15.0
Unit Price	\$ 4.95

Category 16: HVAC Supply/Return Ductwork, more than 260 square feet, Type 3

Sub-category	16.0
Unit Price	\$ 2.88

Category 17: HVAC Supply/Return Ductwork, 1-260 square feet, Type 4

Sub-category	17.0
Unit Price	\$ 4.50

Category 18: HVAC Supply/Return Ductwork, more than 260 square feet, Type 4

Sub-category	18.0
Unit Price	\$ 3.90

Category 20: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 6

Sub-category	20.0.a	20.0.b	20.0.c	20.1.a	20.1.b	20.1.c	20.2.a	20.2.b
Unit Price	\$ 2.60	\$ 5.10	\$ 4.90	\$ 3.15	\$ 5.85	\$ 5.70	\$ 4.45	\$ 6.35
Sub-category	20.2.c							
Unit Price	\$ 6.15							

Category 21: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 6

Sub-category	21.1.a	21.1.b	21.1.c	21.2.a	21.2.b	21.2.c	21.3.a	21.3.b
Unit Price	\$ 2.25	\$ 4.85	\$ 4.75	\$ 2.95	\$ 5.65	\$ 5.50	\$ 4.15	\$ 6.00
Sub-category	21.3.d							
Unit Price	\$ 5.75							

Category 22: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 7

Sub-category	22.0.a	22.0.b	22.0.c	22.1.a	22.1.b	22.1.c	22.2.a	22.2.b
Unit Price	\$ 5.25	\$ 15.25	\$ 12.40	\$ 5.65	\$ 16.25	\$ 12.65	\$ 5.95	\$ 17.50
Sub-category	22.2.c							
Unit Price	\$ 14.75							

Category 23: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 7

Sub-category	23.0.a	23.0.b	23.0.c	23.1.a	23.1.b	23.1.c	23.2.a	23.2.b
Unit Price	\$ 5.15	\$ 14.75	\$ 12.00	\$ 5.40	\$ 15.65	\$ 12.25	\$ 5.75	\$ 16.80
Sub-category	23.2.c							
Unit Price	\$ 13.75							

Category 24: Cementitious Fireproofing on steel beams/decking, 1-260 square feet

Sub-category	24.0
Unit Price	\$ 7.75

Category 25: Cementitious Fireproofing on steel beams/decking, more than 260 square feet

Sub-category	25.0
Unit Price	\$ 3.05

Category 26: Contaminated Carpet Removal per square foot

Sub-category	26.0
Unit Price	\$ 1.25

Category 27: Linoleum Removal per square foot

Sub-category	25.0
Unit Price	\$ 3.75

UNIT PRICES SUBTOTAL: \$ 2,209.58

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Bid Recap

Bid Scenario Number 1 Sub Total:	4,825.20
Bid Scenario Number 2 Sub Total:	18,283.55
Bid Scenario Number 3 Sub Total:	85,316.48
Unit Prices - Pricing Pages Sub Total:	2,209.58
TOTAL BID AMOUNT:	110,634.81

Contact Person Name: Gregory A. Pauley Phone: 304-343-5950

Company Name: Astar Abatement, Inc. Fax: 304-343-5961

Address: PO Box 13533 Email: gpauley@astarabatement.cor
Sissonville, WV 25360

Contact Person Signature: _____ Date: 6/2/2017

Basis for Award: This contract shall be awarded to the Vendor that meets or exceeds the specifications contained herein and provides the lowest TOTAL BID AMOUNT.

ABATMNT17 - Pricing Pages


Bid Recap

Bid Scenario Number 1 Sub Total:	4,825.20
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Contact Person Name: Gregory A. Pauley Phone: 304-343-5950

Company Name: Astar Abatement, Inc. Fax: 304-343-5961

Address: PO Box 13533 Email: gpauley@astarabatement.com
Sissonville, WV 25360

Contact Person Signature:  Date: 6/2/2017

Basis for Award: This contract shall be awarded to the Vendor that meets or exceeds the specifications contained herein and provides the lowest TOTAL BID AMOUNT.

UNIT PRICES PRICING PAGES Revised: 06/01/2017

Category 1: Abatement of 1-260 linear feet of pipe lagging

Sub-category	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Unit Price	\$ 5.00	\$ 6.55	\$ 6.60	\$ 6.65	\$ 6.65	\$ 6.70	\$ 6.75	\$ 6.85
Sub-category	1.8	1.9	1.10	1.11	1.12			
Unit Price	\$ 6.90	\$ 6.90	\$ 7.55	\$ 8.00	\$ 16.00			

Category 2: Abatement of more than 260 linear feet of pipe lagging

Sub-category	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
Unit Price	\$ 5.00	\$ 6.55	\$ 6.60	\$ 6.65	\$ 6.70	\$ 6.75	\$ 6.80	\$ 6.90
Sub-category	2.8	2.9	2.10	2.11	2.12			
Unit Price	\$ 6.90	\$ 6.90	\$ 7.55	\$ 7.75	\$ 8.00			

Category 3: Abatement of materials, 1-260 square feet

Sub-category	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Unit Price	\$ 4.00	\$ 4.50	\$ 9.50	\$ 4.75	\$ 4.25	\$ 8.00	\$ 5.50	\$ 5.75
Sub-category	3.8	3.9	3.10	3.11				
Unit Price	\$ 5.50	\$ 4.75	\$ 5.85	\$ 5.00				

Category 4: Abatement of materials, more than 260 square feet

Sub-category	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
Unit Price	\$ 2.20	\$ 2.80	\$ 5.85	\$ 2.65	\$ 2.45	\$ 4.00	\$ 6.00	\$ 3.75
Sub-category	4.8	4.9	4.10	4.11	4.12			
Unit Price	\$ 3.85	\$ 2.75	\$ 3.25	\$ 4.25	\$ 3.00			

Category 5: Miscellaneous (Sampling, Air Clearances, Management, etc)

Sub-category	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
Unit Price	\$ 8.00	\$ 45.00	\$ 300.00	\$ 45.00	\$ 35.00	\$ 40.00	\$ 13.00	\$ 22.00

Category 6: Bridging/penetrating encapsulation, 1-260 sq ft

Sub-category	6.0
Unit Price	\$ 3.85

Category 7: Bridging/penetrating encapsulation, more than 260 sq ft

Sub-category	7.0
Unit Price	\$ 3.60

Category 8: Abatement for pipefittings

Sub-category	8.0
Factor of 1.5	x Linear Foot Cost

Category 9: Pipefitting Insulation

Sub-category	9.0
Factor of 3.0	x Linear Foot Cost

Category 10: Pipe Insulation, 1-260 linear feet, Type 1

Sub-category	10.0.a	10.0.b	10.0.c	10.0.d	10.1.a	10.1.b	10.1.c	10.1.d
Unit Price	\$ 1.80	\$ 3.00	\$ 3.50	\$ 3.75	\$ 2.00	\$ 3.00	\$ 3.60	\$ 3.80
Sub-category	10.2.a	10.2.b	10.2.c	10.2.d	10.3.a	10.3.b	10.3.c	10.3.d
Unit Price	\$ 2.10	\$ 2.25	\$ 2.50	\$ 3.85	\$ 2.10	\$ 3.05	\$ 3.80	\$ 3.90

Sub-category	10.4.a	10.4.b	10.4.c	10.4.d	10.5.a	10.5.b	10.5.c	10.5.d
Unit Price	\$ 2.20	\$ 2.40	\$ 2.65	\$ 3.95	\$ 2.30	\$ 3.20	\$ 4.00	\$ 4.10
Sub-category	10.6.a	10.6.b	10.6.c	10.6.d	10.7.a	10.7.b	10.7.c	10.7.d
Unit Price	\$ 2.50	\$ 3.50	\$ 4.25	\$ 4.35	\$ 2.60	\$ 3.20	\$ 4.50	\$ 4.65
Sub-category	10.8.a	10.8.b	10.8.c	10.8.d	10.9.a	10.9.b	10.9.c	10.9.d
Unit Price	\$ 2.70	\$ 4.50	\$ 5.00	\$ 5.15	\$ 3.00	\$ 3.85	\$ 4.00	\$ 5.60
Sub-category	10.10.b	10.10.c	10.10.d	10.11.b	10.11.c	10.11.d	10.12.b	10.12.c
Unit Price	\$ 6.00	\$ 6.00	\$ 6.55	\$ 7.00	\$ 7.25	\$ 7.25	\$ 7.30	\$ 8.00
Sub-category	10.12.d	10.13.b	10.13.c	10.13.d	10.14.b	10.14.c	10.14.d	10.15.b
Unit Price	\$ 9.00	\$ 9.00	\$ 9.50	\$ 10.00	\$ 10.00	\$ 10.50	\$ 11.00	\$ 12.00
Sub-category	10.15.c	10.15.d	10.16.b	10.16.c	10.16.d	10.17.b	10.17.c	10.17.d
Unit Price	\$ 12.25	\$ 12.75	\$ 13.00	\$ 13.50	\$ 14.00	\$ 13.50	\$ 14.00	\$ 14.75

Category 11: Pipe Insulation, more than 260 linear feet, Type 1

Sub-category	11.0.a	11.0.b	11.0.c	11.0.d	11.1.a	11.1.b	11.1.c	11.1.d
Unit Price	\$ 1.75	\$ 2.90	\$ 3.15	\$ 3.30	\$ 1.85	\$ 2.90	\$ 3.15	\$ 3.30
Sub-category	11.2.a	11.2.b	11.2.c	11.2.d	11.3.a	11.3.b	11.3.c	11.3.d
Unit Price	\$ 1.95	\$ 2.90	\$ 3.15	\$ 3.35	\$ 2.00	\$ 2.95	\$ 3.25	\$ 3.40
Sub-category	11.4.a	11.4.b	11.4.c	11.4.d	11.5.a	11.5.b	11.5.c	11.5.d
Unit Price	\$ 2.00	\$ 3.00	\$ 3.30	\$ 3.45	\$ 2.10	\$ 3.00	\$ 3.35	\$ 3.50
Sub-category	11.6.a	11.6.b	11.6.c	11.6.d	11.7.a	11.7.b	11.7.c	11.7.d
Unit Price	\$ 2.20	\$ 3.10	\$ 3.40	\$ 3.60	\$ 2.30	\$ 3.25	\$ 3.45	\$ 3.70
Sub-category	11.8.a	11.8.b	11.8.c	11.8.d	11.9.a	11.9.b	11.9.c	11.9.d
Unit Price	\$ 2.35	\$ 3.50	\$ 3.65	\$ 3.80	\$ 2.40	\$ 3.75	\$ 3.80	\$ 3.95
Sub-category	11.10.b	11.10.c	11.10.d	11.11.b	11.11.c	11.11.d	11.12.b	11.12.c
Unit Price	\$ 4.75	\$ 5.00	\$ 5.10	\$ 5.25	\$ 5.35	\$ 5.40	\$ 5.50	\$ 5.65
Sub-category	11.12.d	11.13.b	11.13.c	11.13.d	11.14.b	11.14.c	11.14.d	11.15.b
Unit Price	\$ 5.75	\$ 6.00	\$ 6.35	\$ 6.50	\$ 8.00	\$ 8.40	\$ 8.65	\$ 9.00
Sub-category	11.15.c	11.15.d	11.16.b	11.16.c	11.16.d	11.17.b	11.17.c	11.17.d
Unit Price	\$ 9.50	\$ 9.75	\$ 10.00	\$ 10.20	\$ 10.30	\$ 11.90	\$ 12.75	\$ 13.25

Category 13: Pipe Insulation, 1-260 linear feet, Type 2

Sub-category	13.0.a	13.0.b	13.0.c	13.0.d	13.1.a	13.1.b	13.1.c	13.1.c
Unit Price	\$ 3.00	\$ 4.00	\$ 7.75	\$ 8.25	\$ 3.10	\$ 4.25	\$ 8.00	\$ 8.50
Sub-category	13.2.a	13.2.b	13.2.c	13.2.d	13.3.a	13.3.b	13.3.c	13.3.d
Unit Price	\$ 3.25	\$ 4.50	\$ 8.30	\$ 8.60	\$ 3.40	\$ 5.00	\$ 8.80	\$ 9.00
Sub-category	13.4.a	13.4.b	13.4.c	13.4.d	13.5.a	13.5.b	13.5.c	13.5.d
Unit Price	\$ 4.00	\$ 5.50	\$ 9.60	\$ 9.75	\$ 4.40	\$ 6.75	\$ 10.25	\$ 10.50
Sub-category	13.6.a	13.6.b	13.6.c	13.6.d				
Unit Price	\$ 4.65	\$ 7.25	\$ 11.90	\$ 12.25				

Category 14: Pipe Insulation, more than 260 linear feet, Type 2

Sub-category	14.0.a	14.0.b	14.0.c	14.0.d	14.1.a	14.1.b	14.1.c	14.1.d
Unit Price	\$ 2.90	\$ 3.80	\$ 7.40	\$ 7.90	\$ 3.00	\$ 4.10	\$ 7.40	\$ 8.00

Sub-category	14.2.a	14.2.b	14.2.c	14.2.d	14.3.a	14.3.b	14.3.c	14.3.d
Unit Price	\$ 3.20	\$ 4.20	\$ 8.00	\$ 8.40	\$ 3.20	\$ 4.70	\$ 8.00	\$ 8.75
Sub-category	14.4.a	14.4.b	14.4.c	14.4.d	14.5.a	14.5.b	14.5.c	14.5.d
Unit Price	\$ 3.90	\$ 5.00	\$ 9.00	\$ 9.25	\$ 4.00	\$ 6.00	\$ 9.80	\$ 10.00
Sub-category	14.6.a	14.6.b	14.6.c	14.6.d				
Unit Price	\$ 4.40	\$ 7.00	\$ 11.30	\$ 11.75				

Category 15: HVAC Supply/Return Ductwork, 1-260 square feet, Type 3

Sub-category	15.0
Unit Price	\$ 4.95

Category 16: HVAC Supply/Return Ductwork, more than 260 square feet, Type 3

Sub-category	16.0
Unit Price	\$ 2.88

Category 17: HVAC Supply/Return Ductwork, 1-260 square feet, Type 4

Sub-category	17.0
Unit Price	\$ 4.50

Category 18: HVAC Supply/Return Ductwork, more than 260 square feet, Type 4

Sub-category	18.0
Unit Price	\$ 3.90

Category 20: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 6

Sub-category	20.0.a	20.0.b	20.0.c	20.1.a	20.1.b	20.1.c	20.2.a	20.2.b
Unit Price	\$ 2.60	\$ 5.10	\$ 4.90	\$ 3.15	\$ 5.85	\$ 5.70	\$ 4.45	\$ 6.35
Sub-category	20.2.c							
Unit Price	\$ 6.15							

Category 21: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 6

Sub-category	21.1.a	21.1.b	21.1.c	21.2.a	21.2.b	21.2.c	21.3.a	21.3.b
Unit Price	\$ 2.25	\$ 4.85	\$ 4.75	\$ 2.95	\$ 5.65	\$ 5.50	\$ 4.15	\$ 6.00
Sub-category	21.3.d							
Unit Price	\$ 5.75							

Category 22: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 7

Sub-category	22.0.a	22.0.b	22.0.c	22.1.a	22.1.b	22.1.c	22.2.a	22.2.b
Unit Price	\$ 5.25	\$ 15.25	\$ 12.40	\$ 5.65	\$ 16.25	\$ 12.65	\$ 5.95	\$ 17.50
Sub-category	22.2.c							
Unit Price	\$ 14.75							

Category 23: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 7

Sub-category	23.0.a	23.0.b	23.0.c	23.1.a	23.1.b	23.1.c	23.2.a	23.2.b
Unit Price	\$ 5.15	\$ 14.75	\$ 12.00	\$ 5.40	\$ 15.65	\$ 12.25	\$ 5.75	\$ 16.80
Sub-category	23.2.c							
Unit Price	\$ 13.75							

Category 24: Cementitious Fireproofing on steel beams/decking, 1-260 square feet

Sub-category	24.0
Unit Price	\$ 7.75

Category 25: Cementitious Fireproofing on steel beams/decking, more than 260 square feet

Sub-category	25.0
Unit Price	\$ 3.05

Category 26: Contaminated Carpet Removal per square foot

Category 27: Linoleum Removal per square foot

Sub-category	26.0
Unit Price	\$ 1.25

Sub-category	25.0
Unit Price	\$ 3.75

UNIT PRICES SUBTOTAL: \$ 2,209.58

ABATMNT17 - Pricing Pages

BID SCENARIO #1	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Rooms A, B & C	26.0	Contaminated Carpet Removal, per square foot	Square Foot	684	x	\$ 1.25	=	\$ 855.00
Rooms A, B & C	4.1	Floor Tile with mastic, per square foot (over 260 sq ft)	Square Foot	684	x	\$ 2.80	=	\$ 1,915.20
Total Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00
Air Clearances	5.2	Set of Air Clearances, each	Each	3	x	\$ 300.00	=	\$ 900.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
				BID SCENARIO #1 SUBTOTAL			=	\$ 4,825.20

ABATMNT17 - Pricing Pages

BID SCENARIO #2	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Air Handler Abatement	4.4	Removing 3/4" sheet insulation on air handler, per sq ft	Square Foot	980	x	\$ 2.45	=	\$ 2,401.00
Air Handler Re-insulation	21.1.a	Insulating air handler with 1" Type 6 insulation, per sq ft	Square Foot	980	x	\$ 2.25	=	\$ 2,205.00
Vent Ducting Abatement	4.4	Removing 1" sheet insulation on vent ductwork, per sq ft	Square Foot	420	x	\$ 2.45	=	\$ 1,029.00
Vent Ducting Re-insulation	16.0	Insulating ductwork with 1-1/2" Type 3 insulation, per sq ft	Square Foot	420	x	\$ 2.88	=	\$ 1,209.60
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	120	x	\$ 5.00	=	\$ 600.00
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	89	x	\$ 6.55	=	\$ 582.95
Removal - 4" CW Piping	1.3	Four inch pipe, per linear foot	Linear Foot	115	x	\$ 6.65	=	\$ 764.75
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	32	x	\$ 8.00	=	\$ 256.00
Removal - 24" Steam Piping	2.12	Over twelve inch pipe, per linear foot to 24 inches	Linear Foot	295	x	\$ 8.00	=	\$ 2,360.00
Re-insulate - 1" CW Piping	10.2.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	120	x	\$ 2.25	=	\$ 270.00
Re-insulate - 2" CW Piping	10.4.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	89	x	\$ 2.40	=	\$ 213.60
Re-insulate - 4" CW Piping	10.7.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	115	x	\$ 3.20	=	\$ 368.00
Re-insulate - 12" Steam Piping	10.12.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	32	x	\$ 7.30	=	\$ 233.60
Re-insulate - 24" Steam Piping	11.17.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	295	x	\$ 11.90	=	\$ 3,510.50
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be all Type 1, 1" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	15 Tees, 6 Valves, 10 Elbows (Category 2.0 times factor)	Linear Foot	31	x	\$ 7.50	=	\$ 232.50
Removal - 2" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Valves (Category 2.1 times factor)	Linear Foot	6	x	\$ 9.83	=	\$ 58.95
Removal - 4" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Tees (Category 2.3 times factor)	Linear Foot	6	x	\$ 9.98	=	\$ 59.85
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.11 times factor)	Linear Foot	2	x	\$ 12.00	=	\$ 24.00
Removal - 24" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.12 times factor)	Linear Foot	2	x	\$ 12.00	=	\$ 24.00
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	15 Tees, 6 Valves, 10 Elbows (Category 11.2.b times factor)	Linear Foot	31	x	\$ 6.75	=	\$ 209.25
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Valves (Category 11.4.b times factor)	Linear Foot	6	x	\$ 7.20	=	\$ 43.20
Re-insulate - 4" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Tees (Category 11.7.b times factor)	Linear Foot	6	x	\$ 9.60	=	\$ 57.60
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.12.b times factor)	Linear Foot	2	x	\$ 21.90	=	\$ 43.80
Re-insulate - 24" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.17.b times factor)	Linear Foot	2	x	\$ 35.70	=	\$ 71.40

Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00
Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$ 300.00	=	\$ 300.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
				BID SCENARIO #2 SUBTOTAL			=	\$ 18,283.55

ABATMNT17 - Pricing Pages

BID SCENARIO #3	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Spray-on Insulation	4.3	Removal from steel structural members, per square foot	Square Foot	11000	x	\$ 2.65	=	\$ 29,150.00
Re-fireproofing	25.0	Cementitious fireproofing re-applied to steel members	Square Foot	11000	x	\$ 3.05	=	\$ 33,550.00
Air Handler Abatement	4.4	Removing sheet insulation on three air handlers, per sq ft	Square Foot	2435	x	\$ 2.45	=	\$ 5,965.75
Air Handler Re-insulation	21.1.a	Insulating air handlers with 1" Type 6 insulation, per sq ft	Square Foot	2435	x	\$ 2.25	=	\$ 5,478.75
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	175	x	\$ 5.00	=	\$ 875.00
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	155	x	\$ 6.55	=	\$ 1,015.25
Removal - 6" CW Piping	1.5	Six inch pipe, per linear foot	Linear Foot	85	x	\$ 6.70	=	\$ 569.50
Removal - 8" Steam Piping	1.7	Eight inch pipe, per linear foot	Linear Foot	140	x	\$ 6.85	=	\$ 959.00
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	80	x	\$ 8.00	=	\$ 640.00
Re-insulate - 1" CW Piping	10.2.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	175	x	\$ 2.50	=	\$ 437.50
Re-insulate - 2" CW Piping	10.4.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	155	x	\$ 2.65	=	\$ 410.75
Re-insulate - 6" CW Piping	10.9.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	85	x	\$ 4.00	=	\$ 340.00
Re-insulate - 8" Steam Piping	10.10.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	140	x	\$ 6.00	=	\$ 840.00
Re-insulate - 12" Steam Piping	10.12.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	80	x	\$ 8.00	=	\$ 640.00
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be al Type 1, 1-1/2" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	8 Tees, 16 Valves, 24 Elbows (Category 2.0 times factor)	Linear Foot	48	x	\$ 7.50	=	\$ 360.00
Removal - 2" Pipefittings	8.0 (factor of 1.5)	9 Tees, 6 Valves, 16 Elbows (Category 2.1 times factor)	Linear Foot	31	x	\$ 9.83	=	\$ 304.58
Removal - 6" Pipefittings	8.0 (factor of 1.5)	4 Tees, 6 Valves, 8 Elbows (Category 2.5 times factor)	Linear Foot	18	x	\$ 10.05	=	\$ 180.90
Removal - 8" Pipefittings	8.0 (factor of 1.5)	6 Tees, 4 Valves, 12 Elbows (Category 2.7 times factor)	Linear Foot	22	x	\$ 10.28	=	\$ 226.05
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Valves, 4 Elbows (Category 2.11 times factor)	Linear Foot	6	x	\$ 12.00	=	\$ 72.00
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	8 Tees, 16 Valves, 24 Elbows (Category 11.2.c times factor)	Linear Foot	48	x	\$ 7.50	=	\$ 360.00
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	9 Tees, 6 Valves, 16 Elbows (Category 11.4.c times factor)	Linear Foot	31	x	\$ 7.95	=	\$ 246.45
Re-insulate - 6" Pipefittings	9.0 (factor of 3.0)	4 Tees, 6 Valves, 8 Elbows (Category 11.9.c times factor)	Linear Foot	18	x	\$ 12.00	=	\$ 216.00
Re-insulate - 8" Pipefittings	9.0 (factor of 3.0)	6 Tees, 4 Valves, 12 Elbows (Category 11.10.c times factor)	Linear Foot	22	x	\$ 18.00	=	\$ 396.00
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Valves, 4 Elbows (Category 11.12.c times factor)	Linear Foot	6	x	\$ 24.00	=	\$ 144.00

Air Samples	5.0	Air Samples, each	Each	10	x	\$ 8.00	=	\$ 80.00
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$ 45.00	=	\$ 450.00
Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$ 300.00	=	\$ 300.00
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$ 45.00	=	\$ 450.00
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$ 35.00	=	\$ 175.00
Inspector/Mgmt, Planner	5.5	Planner, per hour	per Hour	1	x	\$ 40.00	=	\$ 40.00
PLM, 48hr Turnaround	5.6	Asbestos Bulk Samples, each	Each	10	x	\$ 40.00	=	\$ 400.00
PLM, Rush turn around time	5.7	Asbestos Bulk Samples, each	Each	2	x	\$ 22.00	=	\$ 44.00
				BID SCENARIO #3 SUBTOTAL		=	\$ 85,316.48	



Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
09 - Construction

Proc Folder: 329828

Doc Description: Asbestos Abatement Services

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-05-05	2017-06-06 13:30:00	CRFQ 0212 SWC1700000016	1

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV

25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

55-0730985

DATE

6/2/17

All offers subject to all terms and conditions contained in this solicitation



Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
09 — Construction

Proc Folder: 329828

Doc Description: Addendum No. 1 - Asbestos Abatement Services

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-05-18	2017-06-06 13:30:00	CRFQ 0212 SWC1700000016	2

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

55-0730985

DATE

6-2-2017

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Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
09 — Construction

Proc Folder: 329828

Doc Description: Addendum No. 2 - Asbestos Abatement Services

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-05-19	2017-06-06 13:30:00	CRFQ 0212 SWC1700000016	3

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

55-0730985

DATE

6-2-2017

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Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
09 — Construction

Proc Folder: 329828

Doc Description: Addendum No. 3 - Asbestos Abatement Services

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-05-24	2017-06-06 13:30:00	CRFQ 0212 SWC1700000016	4

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

55-0730985

DATE

6-2-2017

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Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Request for Quotation
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Proc Folder: 329828

Doc Description: Addendum No. 4 - Asbestos Abatement Services

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-06-01	2017-06-06 13:30:00	CRFQ 0212 SWC1700000016	5

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

55-0730985

DATE

6-2-2017

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Request for Quotation

The West Virginia Purchasing Division is soliciting bids to establish an open-ended Statewide Contract for the removal, encapsulation, and remediation of Asbestos Containing Material. This Contract will be available to Agencies of the State of West Virginia and its political subdivisions.

INVOICE TO	SHIP TO
ALL STATE AGENCIES VARIOUS LOCATIONS AS INDICATED BY ORDER	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER
No City US	No City US
WV99999	WV 99999

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	ABATEMENT SERVICES - INSULATION SERVICES				

Comm Code	Manufacturer	Specification	Model #
76101602			

Extended Description :

Use Excel Pricing Pages

SWC1700000016	Document Phase Draft	Document Description Asbestos Abatement Services	Page 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

☐ A pre-bid meeting will not be held prior to bid opening

☐ A NON-MANDATORY PRE-BID meeting will be held at the following place and time:

☒ A MANDATORY PRE-BID meeting will be held at the following place and time:

West Virginia Purchasing Division
Capitol Complex, Building 15
2019 Washington Street, East.
Charleston, WV.

05/18/2017 at 11:00 AM. EST.

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: May 24, 2017 at 4:00 PM EST.

Submit Questions to: Michelle Childers, Senior Buyer
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: Michelle.L.Childers@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
 Department of Administration, Purchasing Division
 2019 Washington Street East
 Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:
 BUYER:
 SOLICITATION NO.:
 BID OPENING DATE:
 BID OPENING TIME:
 FAX NUMBER:

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression of Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

- ☐ Technical
☐ Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: June 6, 2017 at 1:30 PM EST.

Bid Opening Location: Department of Administration, Purchasing Division
 2019 Washington Street East
 Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, 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.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATES: Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules § 148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

GENERAL TERMS AND CONDITIONS:

- 1. CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
- 2. DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
 - 2.1. "Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
 - 2.2. "Bid" or "Proposal"** means the vendors submitted response to this solicitation.
 - 2.3. "Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
 - 2.4. "Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
 - 2.5. "Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
 - 2.6. "Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
 - 2.7. "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.8. "State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
 - 2.9. "Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☒ **Term Contract**

Initial Contract Term: This Contract becomes effective on _____ award _____ and extends for a period of _____ one (1) _____ year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to _____ three (3) _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed _____ thirty-six (36) _____ months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days.

Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

☐ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☒ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☒ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☒ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☒ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of Agency CDO amount. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

☒ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☒ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

☒ See Item 7 of specifications; Item 7.3 for Class I - Asbestos Worker & Class II - Asbestos Supervisor Certification

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The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. Subsequent to contract award, and prior to the insurance expiration date, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies mandated herein, including but not limited to, policy cancelation, policy reduction, or change in insurers. The insurance coverages identified below must be maintained throughout the life of this contract. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

☒ **Commercial General Liability Insurance** in at least an amount of:

\$1,000,000.00

☒ **Automobile Liability Insurance** in at least an amount of: \$1,000,000.00

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of:

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of:

☐ **Cyber Liability Insurance** in an amount of: _____

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

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9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

11. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount of

for _____

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.

14. PAYMENT: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PURCHASING CARD ACCEPTANCE: The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

☐ Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-6.1.e.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

Revised 04/07/2017

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. BANKRUPTCY: In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

31. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

32. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

33. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

34. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

35. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

36. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

37. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

38. PURCHASING AFFIDAVIT: In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.

39. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

40. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

41. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

42. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

43. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

44. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)

1. CONTRACTOR'S LICENSE: West Virginia Code § 21-11-2 requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Division of Labor. West Virginia Code § 21-11-11 requires any prospective Vendor to include the contractor's license number on its bid. Failure to include a contractor's license number on the bid shall result in Vendor's bid being disqualified. Vendors should include a contractor's license number in the space provided below.

Contractor's Name: Astar Abatement, Inc.
 Contractor's License No.: WV- WV022387

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a Award Document.

2. DRUG-FREE WORKPLACE AFFIDAVIT: W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit at the same time an affidavit that the Vendor has a written plan for a drug-free workplace policy. To comply with this law, Vendor must either complete the enclosed drug-free workplace affidavit and submit the same with its bid or complete a similar affidavit that fulfills all of the requirements of the applicable code. Failure to submit the signed and notarized drug-free workplace affidavit or a similar affidavit that fully complies with the requirements of the applicable code, with the bid shall result in disqualification of Vendor's bid. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

2.1. DRUG-FREE WORKPLACE POLICY: Pursuant to W. Va. Code § 21-1D-4, Vendor and its subcontractors must implement and maintain a written drug-free workplace policy that complies with said article. The awarding public authority shall cancel this contract if: (1) Vendor fails to implement and maintain a written drug-free workplace policy described in the preceding paragraph, (2) Vendor fails to provide information regarding implementation of its drug-free workplace policy at the request of the public authority; or (3) Vendor provides to the public authority false information regarding the contractor's drug-free workplace policy.

Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

3. DRUG FREE WORKPLACE REPORT: Pursuant to W. Va. Code § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. For contracts over \$25,000, the public authority shall be the West Virginia Purchasing Division. For contracts of \$25,000 or less, the public authority shall be the agency issuing the contract. The report shall include:

- (1) Information to show that the education and training service to the requirements of West Virginia Code § 21-1D-5 was provided;

- (2) The name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- (3) The average number of employees in connection with the construction on the public improvement;
- (4) Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor should utilize the attached Certified Drug Free Workplace Report Coversheet when submitting the report required hereunder. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the AIA A101-2007 and A201-2007 or the A107-2007 documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

6. LOCAL LABOR MARKET HIRING REQUIREMENT: Pursuant to West Virginia Code §21-1C-1 et seq., Employers shall hire at least seventy-five percent of employees for public improvement construction projects from the local labor market, to be rounded off, with at least two employees from outside the local labor market permissible for each employer per project.

Any employer unable to employ the minimum number of employees from the local labor market shall inform the nearest office of the bureau of employment programs' division of employment services of the number of qualified employees needed and provide a job description of the positions to be filled.

If, within three business days following the placing of a job order, the division is unable to refer any qualified job applicants to the employer or refers less qualified job applicants than the number requested, then the division shall issue a waiver to the employer stating the unavailability of applicant and shall permit the employer to fill any positions covered by the waiver from outside the local labor market. The waiver shall be either oral or in writing and shall be issued within the prescribed three days. A waiver certificate shall be sent to both the employer for its permanent project records and to the public authority.

Any employer who violates any provision of this article is subject to a civil penalty of one hundred dollars per day of violation. The West Virginia Division of Labor is responsible for establishing procedures for the collection of civil penalties.

The following terms used in this section have the meaning shown below.

- (1) The term "construction project" means any construction, reconstruction, improvement, enlargement, painting, decorating or repair of any public improvement let to contract in an amount equal to or greater than \$500,000. The term "construction project" does not include temporary or emergency repairs;
- (2) The term "employee" means any person hired or permitted to perform hourly work for wages by a person, firm or corporation in the construction industry; The term "employee" does not include: (i) Bona fide employees of a public authority or individuals engaged in making temporary or emergency repairs; (ii) Bona fide independent contractors; or (iii) Salaried supervisory personnel necessary to assure efficient execution of the employee's work;
- (3) The term "employer" means any person, firm or corporation employing one or more employees on any public improvement and includes all contractors and subcontractors;
- (4) The term "local labor market" means every county in West Virginia and any county outside of West Virginia if any portion of that county is within fifty miles of the border of West Virginia;
- (5) The term "public improvement" includes the construction of all buildings, roads, highways, bridges, streets, alleys, sewers, ditches, sewage disposal plants, waterworks, airports and all other structures that may be let to contract by a public authority, excluding improvements funded, in whole or in part, by federal funds.

7. DAVIS BACON AND RELATED ACT WAGE RATES: *Approved By W.V. PURCHASING*

- ☐ The work performed under this contract is federally funded in whole, or in part. Pursuant to _____, Vendors are required to pay applicable Davis-Bacon wage rates.
- ☐ The work performed under this contract is not subject to Davis-Bacon wage rates.

8. SUBCONTRACTOR LIST SUBMISSION: In accordance with W. Va. Code § 5-22-1, the apparent low bidder on a contract valued at more than \$250,000.00 for the construction, alteration, decoration, painting or improvement of a new or existing building or structure shall submit a list of all subcontractors who will perform more than \$25,000.00 of work on the project including labor and materials. If no subcontractors who will perform more than \$25,000.00 of work are to be used to complete the project, it must be noted on the subcontractor list. Failure to submit the subcontractor list within one business day after the deadline for submitting bids shall result in disqualification of the bid. This provision does not apply to any other construction projects, such as highway, mine reclamation, water or sewer projects.

a. Required Information. The subcontractor list shall contain the following information:

- i. Bidder's name
- ii. Name of each subcontractor performing more than \$25,000 of work on the project.

iii. ~~The license number of each subcontractor, as required by W. Va. Code § 21-11-1 et. seq.~~


iv. ~~If applicable, a notation that no subcontractor will be used to perform more than \$25,000.00 of work.~~

b. Subcontractor List Submission Form: ~~The subcontractor list may be submitted in any form, including the attached form, as long as the required information noted above is included. If any information is missing from the bidder's subcontractor list submission, it may be obtained from other documents such as bids, emails, letters, etc. that accompany the subcontractor list submission.~~

c. Submission of Subcontractor List for Solicitations with Additions/Alternates: ~~If the solicitation contains potential additions or alternates that will be selected by the Agency after bid opening and prior to contract award, all bidders must submit the subcontractor list to the Purchasing Division within one business day of the opening of bids for review. A bidder's failure to submit the subcontractor list within one business day after the deadline for submitting bids shall result in disqualification of the bidder's bid.~~

d. Substitution of Subcontractor. ~~Written approval must be obtained from the State Spending Unit before any subcontractor substitution is permitted. Substitutions are not permitted unless:~~

- ~~i. The subcontractor listed in the original bid has filed for bankruptcy;~~
- ~~ii. The subcontractor in the original bid has been debarred or suspended; or~~
- ~~iii. The contractor certifies in writing that the subcontractor listed in the original bid fails, is unable, or refuses to perform his subcontract.~~

APPROVED By WV. PURCHASING DIVISION 

REQUEST FOR QUOTATION
Statewide Contract 2017 Asbestos Abatement

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids to establish an open-ended Statewide Contract for the removal, encapsulation, and remediation of Asbestos Containing Material. This Contract will be available to Agencies of the State of West Virginia and its political subdivisions.

This Contract was previously bid as "ABATMNT12" and opened on: 01/03/2013. Vendors may view previously submitted bids for this solicitation at the WV Purchasing Division Bid Opening Index located at: <http://www.state.wv.us/admin/purchase/Bids/FY2013/BO20130103.html>

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 **"Abatement Services"** means work performed under this Contract to control or limit asbestos fiber releases from ACM and includes, but is not limited to stripping, removal, encapsulation, disposal, and wet cleaning, in compliance with all applicable laws, regulations, and ordinances, including, but not limited to, the requirements of West Virginia Department of Environmental Protection and Department of Health and Human Resources Office of Environmental Health Services Asbestos Compliance.

2.2 **"ACM" or "Asbestos Contaminated Material"** means any building product made from, coated with, or containing asbestos.

2.3 **"Air Lock"** means a system for entrance or exit that does not permit air movement between a contaminated area and an uncontaminated area, typically consisting of two curtained doorways at least three feet apart.

2.4 **"Air Sampling"** means the process of measuring the fiber content or particulate mass of a specific volume of air at a specific point in time.

2.5 **"Amended Water"** means water to which an appropriate surfactant has been added. This surfactant must meet the minimum specifications set forth by the EPA.

2.6 **"Asbestos Filtration Device"** means filtered exhaust ventilation equipment used for drawing air from inside Enclosed Work Areas with at least three filter stages, including readily accessible pre-and secondary filters, and a final filter which must be a High Efficiency Particulate Air (HEPA) filter rated 99.97% effective in capturing particles having diameters of 0.3 micrometers or greater.

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- 2.7 **“Barrier”** means polyethylene sheeting and/or other materials which, when used in conjunction with the existing floors, ceiling and walls of the structure, form the containment area.
- 2.8 **“Enclosed Work Area”** means the area inside the Barrier that contains ACM that will be abated.
- 2.9 **“Clean Room”** means an uncontaminated area or room outside the Enclosed Work Area and part of the Work Area Insulation Structure, with provisions for storage of worker's street clothes and protection equipment.
- 2.10 **“CDO”** means Central Delivery Order as initiated by the State Agency and processed by the West Virginia Purchasing Division.
- 2.11 **“Curtained Doorway”** means a device to allow entrance or exit from one room to another while restricting air movement between the rooms. Typically constructed by placing three overlapping sheets of polyethylene film over an existing or temporarily framed doorway, securing all sheets along the top of the doorway, securing the vertical edge of the outside sheet along one vertical side of the doorway, the second sheet along the doorway vertical edge opposite the first, and the third sheet around the entire doorway (including base). The third sheet should be slit down the center to within one foot of each end to facilitate access by personnel. Two "Curtained Doorways" should be spaced a minimum of three feet apart to form an "Air Lock".
- 2.12 **“Disposal”** means transporting and depositing of the ACM stripped and/or removed from the building to an approved waste disposal site in compliance with State and Federal laws and regulations.
- 2.13 **“Encapsulant”** or **“Sealant”** means all materials and procedures necessary to prevent the release of asbestos and transport and deposit the ACM stripped and/or removed from the building to an approved waste disposal site.
- 2.14 **“Encapsulation”** means all procedures necessary to coat ACM with an encapsulant to control the possible release of asbestos fibers into the ambient air; also specified procedures necessary to render inaccessible ACM non-friable and incapable to releasing asbestos fibers into the ambient air.
- 2.15 **“Equipment Room”** means a contaminated area or room inside the Enclosed Work Area which is part of the Work Area Isolation Structure, with provisions for storing of contaminated clothing and equipment.
- 2.16 **“HEPA”** means high efficiency particulate air.

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- 2.17 "HEPA Vacuum Equipment"** means High Efficiency Particulate Air filtered vacuuming equipment with a filter system capable of collecting and retaining asbestos fibers.
- 2.18 "HVAC"** means heating, ventilating, and air conditioning and includes all supply and return ductwork, unit ventilators, fan-coil units, blower cabinets and fans, control devices, damper assemblies and other mechanical equipment.
- 2.19 "Independent Testing Laboratory"** means a qualified organization capable of performing necessary Air Sampling and other testing requirements of asbestos abatement projects.
- 2.20 "Lagging"** means insulation used to prevent heat loss from pipes, boilers, and similar equipment.
- 2.21 "NIOSH"** means National Institute for Occupational Safety and Health.
- 2.22 "OSHA"** means United States Department of Labor, Occupational Safety and Health Administration.
- 2.23 "Pricing Pages"** means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A and used to evaluate the RFQ.
- 2.24 "Removal"** means all specified procedures necessary to gather, transport and dispose of ACM.
- 2.25 "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- 2.26 "Stripping"** means all specified procedures necessary to remove ACM.
- 2.27 "Surface Sample"** means a wipe or bulk sample taken from the suspect surface to ascertain the presence of asbestos fibers.
- 2.28 "Surfactant"** means a chemical wetting agent added to water to reduce its surface tension and thereby improve its penetrating capabilities into ACM.
- 2.29 "8-Hour TWA"** means the time-weighted average for an eight-hour day; used in expressing some airborne asbestos fiber concentrations.
- 2.30 "Wash Room"** means a shower between the Clean Room and the Equipment Room in the Work Area Isolation Structure, with facilities for showering and equipment cleaning.

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Statewide Contract 2017 Asbestos Abatement

- 2.31 "Wet Cleaning"** means the process of removing ACM from building surfaces, equipment, objects, tools, disposal containers, etc. with a liquid, generally water.
- 2.32 "Work Area"** means the area in and around which Vendor is performing Abatement Services.
- 2.33 "Work Area Isolation Structure"** means a series of connected rooms, typically consisting of a Clean Room, Wash Room, and Equipment Room, to permit equipment and personnel movement to and from the Enclosed Work Area while preventing airflow from the Enclosed Work Area. It is also used for the decontamination of workers, materials and equipment. A Work Isolation Structure always contains at least one Air Lock.
- 3. SCOPE OF WORK:** Vendor shall provide all equipment, material, and labor necessary to perform Abatement Services.
- 3.1 Abatement Services provided under this Contract will include:**
- 3.1.1** Stripping, Removal, Encapsulation, Disposal, and Wet Cleaning, in compliance with all applicable laws, regulations, and ordinances;
 - 3.1.2** Sealing all surfaces from which ACM or suspected ACM was removed and sealing of all exposed edges of any remaining ACM that is to remain in place;
 - 3.1.3** HEPA vacuuming and Wet Cleaning all surfaces inside and outside of the Enclosed Work Area as needed;
 - 3.1.4** Ensuring that the worksite is properly maintained to protect public safety;
 - 3.1.5** Insulating and fireproofing of various structures from which ACM has been sealed or removed;
 - 3.1.6** Restoration of all property, private or public, affected by Abatement Services to its original condition or better;
 - 3.1.7** Providing clearance reports, final reports, and project manuals that include descriptions of work in all locations, waste manifests signed by landfill representatives, and all other documents related to this project; and

REQUEST FOR QUOTATION
Statewide Contract 2017 Asbestos Abatement

3.1.8 Any other task required by the West Virginia Department of Environmental Protection and Department of Health and Human Resources Asbestos Compliance Division to properly provide Abatement Services.

3.2 The scope of Abatement Services required under this Contract may vary from project to project as needed. There is no guarantee of any kind regarding the amount or type of Abatement Services that will be required under this Contract.

4. CONTRACT AWARD AND PRICING:

4.1 This Contract shall be awarded to the Vendor that meets or exceeds the specifications contained herein and provides the lowest combined **TOTAL BID AMOUNT** for Abatement Services requested in the three bid scenarios and unit pricing pages.

Pricing Pages were created in MS Excel and may be downloaded from the wvOASIS Vendor Self-Serve site for this solicitation for use in submitting response.

Bid Scenario 1: Unit Price (x) Scenario Quantity = Extended Total

Bid Scenario 2: Unit Price (x) Scenario Quantity = Extended Total

Bid Scenario 3: Unit Price (x) Scenario Quantity = Extended Total

Unit Prices Page: Vendor is to enter each Unit Price per Sub Category

Bid Recap Pricing Page: Vendor is to enter the Sub-Total from Bid Scenario 1, Bid Scenario 2, Bid Scenario 3 and Unit Pricing pages for a **TOTAL BID AMOUNT**.

The Purchasing Division may award this contract to multiple vendors to ensure adequate coverage for the entire state of West Virginia. If multiple awards are made, the vendor submitting the lowest combined Total Bid Amount for Abatement Services required in the bid scenarios shall receive first priority for orders, the vendor submitting the second lowest combined Total Bid Amount shall receive the second priority, and so on.

4.2 Vendor should also list a unit price for each activity shown on the pricing pages. Vendor must use the unit prices quoted to calculate the total price for Abatement Services in the bid scenarios. The total price for Abatement Services for each scenario is then combined to make up the lowest combined total price. The Purchasing Division reserves the right to adjust Vendor's bid to reflect the proper unit price quoted on the Pricing Pages.

REQUEST FOR QUOTATION
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Abatement Services. These items will not be paid for separately and Vendor shall not include them on invoices to the Agency.

- 4.4 Notwithstanding anything contained herein, insulation and fireproofing will be billed at unit prices separate from unit prices for Abatement Services as evidenced by the Unit Pricing Pages.

5. ORDERING PROCEDURES:

- 5.1. Should this contract be awarded as a multi-award Contract, Agencies desiring to utilize this contract shall contact the first (1) priority vendor to request Abatement Services. If the first priority vendor is unable to perform in the time period requested by the Agency, then the Agency may contact the second priority vendor in an effort to obtain Abatement Services, and so on until a vendor has been selected. Agencies must document within their CDO method of vendor selection
- 5.2. Agency shall issue a wvOASIS CDO release order to the WV Purchasing Division. Vendor shall not perform work under this Contract until a release order has been issued.
- 5.3. WV Purchasing Division will obtain any Bonds required per each CDO requested. Performance and Labor & Material Bonds will be required at 100% of CDO amount.
- 5.4. Agency's wvOASIS CDO release order shall include a date and time on which Vendor must commence Abatement Services.
- 5.5. Vendor must respond to emergency requests for Abatement Services within eight (8) hours of being notified of the same by Agency.

6. INVOICING AND PAYMENT:

- 6.1. Vendor shall invoice Agency for work performed under this Contract in accordance with the unit prices quoted on the Pricing Pages. All invoices must contain a list of the work performed, broken down into the individually priced units, a list of the unit prices for the work, a total for each category of work performed, and a total cost of all work performed.
- 6.2. The cost of any repairs necessitated by damage caused by Vendor during its providing of Abatement Services shall be deducted from any invoice.

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- 6.3. Agency will only make final payment upon delivery of all required documentation and verified satisfactory completion of all Abatement Services requested.
- 6.4. Vendor may request monthly payments based on work completed if a schedule of completion and payment is submitted and approved by the Agency in advance.

7. VENDOR QUALIFICATIONS:

- 7.1 Vendor, or Vendor's supervisory staff assigned to this project, must have successfully completed projects that involved work similar to that described in these specifications or the Project Plans. Compliance with this experience requirement will be determined prior to contract award by the State through references provided by the Vendor upon request, through knowledge or documentation of the Vendor's past projects, through confirmation of experience requirements from the architect assisting the State in this project, or some other method that the State determines to be acceptable. Vendor must provide any documentation requested by the State to assist in confirmation of compliance with this provision. References, documentation, or other information to confirm compliance with this experience requirement may be requested after bid opening and prior to contract award.
- 7.2. Vendor must provide a listing and brief summary of all incidents in which Vendor was cited for noncompliance with federal or state regulations within the past 24-months and any corrective action that was taken.
- 7.3. All work is to be performed by personnel with a minimum of a current Class I Asbestos Worker Certification, and under the supervision of a Class II Asbestos Supervisor.
- 7.3 All contractors shall have shirts with a company logo identifying whom they work for.

8. WORK AREA SECURITY: Vendor is responsible for security of the Work Areas of each project and/or facility.

- 8.2. **Security:** The Vendor must provide security measures to prevent any unauthorized accidental entry into the Work Area. The Vendor must post hazard warning signs at all points of possible access to the Work Area. The signs must contain the specific wording required by OSHA and EPA.
- 8.3. **Limited Entry:** Vendor must limit entry into all Work Areas to its personnel, the Architect or Engineer's authorized representative, authorized Agency

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representatives, and Government Regulatory Agency personnel legally entitled to inspect the project. All persons entering the Work Areas must be properly protected against exposure to asbestos.

- 8.4. Visitor Log:** Vendor shall maintain a visitor's log for each project that must be signed by each visitor and contain the date and time of each visit, duration of time in Work Area, activities in the Work Area, safety precautions used, protective equipment used, etc. Visitors include anyone at the site other than Vendor's authorized personnel. Agency personnel, the architect, engineer, and inspectors are all examples of visitors. Vendor shall make the Visitor's Log available for inspection upon Agency's request. At the completion of any project, Vendor must forward a copy of the Visitor Log to Agency.

9. PROJECT COMPLETION:

- 9.2. Final Project Clearance:** A project will not be deemed complete under this contract unless it has obtained final project air clearance results from a third-party WV licensed air clearance monitor when containments are used to remove asbestos. All air clearance results must be less than or equal to 0.01 fibers per cubic centimeter. When an abatement project does not require containment, the project will not be considered complete until the owner's/Agencies asbestos project manager has inspected the area.
- 9.3. Final Vendor Inspection:** At the conclusion of Abatement Services, Vendor shall conduct a thorough inspection of the entire Work Area. If any dust or other debris is observed, in addition to any requirement of the specifications, Vendor shall perform additional Abatement Services to remove dust and/or debris.

10. RECORDS:

- 10.2. Project Log:** Vendor must maintain a daily Project Log for each project. The Log must include the following information:
- 10.2.1.** Name and location of the project,
 - 10.2.2.** Name of the project superintendent and the actual time that the project superintendent is physically on site,
 - 10.2.3.** Brief description of work performed,
 - 10.2.4.** Name of each employee on site,

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- 10.2.5. Description of any significant events, incidents, or unusual occurrences (including but not limited to, deviations of plans, specifications, contract requirements noted by the Agency, Engineer, Architect, Inspector, air-sampling technician, or Vendor's Representative, emergencies, accidents or dangerous conditions, and steps taken to assure continued security of the Work Area), and
- 10.2.6. Copies of routine inspection reports, results of Air Sampling and analysis, project minutes, disposal forms, and any other routine documents (including project Purchase Order) relating to project activities.
- 10.3. **Asbestos Disposal Form:** All ACM must be disposed of properly and deposited in an EPA approved landfill. The Vendor must secure an Asbestos Disposal Form or manifest for each separate load of ACM delivered to the landfill. Copies of all documents relating to disposal must be placed and retained in the Project Log.
- 10.4. **Records Retention:** Vendor must comply with all submittal, documentation, and notice requirements set forth by the EPA, OSHA, all other federal, state, and local regulatory agencies, and the project specifications. Copies of all submittals, documents, and notices that are produced or are given to the Agency or to any governmental agency must be retained in the Project Log.
- 10.5. **Copies Required:** Vendor shall make the Project Log and any other documents available for inspection upon Agency's request. At the completion of any project, Vendor must forward a copy of the Project Log and any other documents to Agency.
11. **LIABILITY:** Vendor will be responsible for any damage from ACM or asbestos fiber release occurring during performance of Abatement Services.
12. **WARRANTY:** In addition to any other warranty contained in the terms and conditions:

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- 12.2. All workmanship and materials shall be guaranteed for a minimum of one (1) year from final acceptance unless manufacturer's standard approved warranty is greater;
- 12.3. The vendor warrants that all goods and services furnished will be designed, constructed, and performed so as to comply with the William Steiger Occupational Safety and Health Act of 1970, as amended from time to time, and the rules, regulations, and standards issued there under by any applicable governmental authority;
- 12.4. The vendor warrants that all chemical substances sold by it to the State of West Virginia comply with and are inventoried or registered pursuant to the requirements of the Toxic Substance Control Act, and rules and regulations issued there under by all applicable governmental authorities.

13. MATERIALS SUPPLIED:

- 13.2. The Vendor shall furnish the Agency with a Material Safety Data Sheet disclosing all potentially hazardous substances in any product that the Vendor sells or offers for sale to the State of West Virginia.
- 13.3. All products specified in these documents shall be understood to include an "or equal" clause.
- 13.4. It is the intention of the State of West Virginia not to purchase any products that contain asbestos or asbestos components in the equipment or materials to be supplied by the Vendor. Vendor warrants that all equipment and materials to be supplied under this Contract are free of asbestos, except in the extent that such asbestos is specifically identified in writing by the Vendor and accepted in writing by the State.

- 14. COMPLIANCE WITH ABATEMENT LAWS:** Vendor shall comply with and ensure that all its personnel and all subcontractors performing under this Contract understand and comply with all applicable laws rules, regulations, and interpretations of the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA), the U.S. Department of Transportation (DOT), the U.S. Environmental Protection Agency (EPA) and all other state, federal, county, and other agencies having jurisdiction over Abatement Services.

Those applicable laws, rules, and regulations include, but are not limited to:

- West Virginia Code §16-32-1, et seq.

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- Regulations for Asbestos (Code of Federal Regulations Title 40 CFR, Part 61, Subparts A and M). (Issued April 5, 1984).
- OSHA-Asbestos Regulations (Code of Federal Regulations Title 29 CFR, Part 1910, Section 1910.1001).
- EPA-Office of Toxic Substances Guidance Document, "Asbestos-Containing Materials in School Buildings," Part 1 and Part 2.
- EPA-Office of Pesticides and Toxic Substances publication "Guidance for controlling Friable Asbestos-Containing Materials in Buildings" (EPA 560/5-83-002).
- NIOSH publications, "Respiratory Protection... An Employer's Manual" and "Respiratory Protection... A Guide for the Employee".
- U.S. Department of Transportation (DOT) Hazardous Materials Regulations Code of Federal Regulations Title 49, CFR Parts 172.101 and 173.1090. OSHA-General Industry Safety and Health Standard Title 29 CFR Section 191.0.134.
- OSHA-Construction Industry Safety and Health Standards Title CFR Section 1926.1 -.1051
- OSHA-Hazardous Communications Regulations Title 29 CFR Section 1910.120.

Vendor shall make a copy of the OSHA Regulations 19101 and EPA Regulations of Part 61, Sub-Part M governing asbestos stripping procedures available for viewing at each location that Abatement Services are being performed under this Contract.

15. PERSONAL PROTECTION:

15.2. Respiratory Protection Equipment: Subject to any more stringent requirements imposed by applicable law or project specification, the Vendor must comply with the following at a minimum.

15.2.1. The Vendor must provide all workers and those who have access to abatement Work Areas with personally issued and marked respiratory protection equipment approved by NIOSH/OSHA as suitable protection against airborne asbestos fibers in the concentration being experienced at each project. Respirators issued to site visitors must, at minimum, provide the same level of protection against airborne asbestos fibers as those issued to workers.

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15.2.2. The Vendor must have and strictly enforce all provisions of a written Respiratory Protection Program at least as stringent as required by law. As part of this Program, all persons using respirators must be thoroughly instructed in the following details:

- i. Proper use
- ii. Care, cleaning, and sanitizing
- iii. Limitations
- iv. Maintenance
- v. Emergency procedures
- vi. Prohibition of facial hair

Documentation of actual receipt of this training must be obtained by signature from each person using respirators. The signed forms and the Respiratory Protection Program must be placed and maintained in the Project Log. The Vendor must not allow a person who has not actually received such training and acknowledged receipt of the training to access to the Work Area.

15.2.3. The following minimum standards must be adhered to with regard to Respiratory Protection Equipment, unless a higher standard is required by a governmental agency or Vendor policy.

15.2.3.1. Air purifying half-face respirators with HEPA filters will be used for all setup when (unless an industrial hygienist certifies in writing that no such respirators are required) the possibility that airborne asbestos fibers exist.

15.2.3.2. Positive pressure respirators must be used for Removal work. These may include powered-air respirators (PAR) or air supplied respirators (Type C), and should be on constant flow design. If PAR respirators are used, the filters must meet HEPA performance criteria as defined by NIOSH.

15.2.3.3. At any time when work-place airborne fiber concentrations are expected or demonstrated by Air Sampling to exceed 5.0 fibers / cc, only type C respirators can be used.

15.2.3.4. Single-use, disposal respirators must not be used at any time.

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15.3. Protection Procedures: Subject to any more stringent requirements of applicable law, rule, ordinance, or the project specifications, the Vendor must comply with the following procedures:

15.3.1. Every person must, prior to every entry into an Enclosed Work Area, remove all street clothes in the Clean Room and put on their respirator and clean protective clothing before passing through the Wash Room to the Enclosed Work Area.

15.3.2. Every person must, each time they leave a Work Area, remove all clothing, except their respirator, prior to entering the Wash Room. The person must then enter the Wash Room and flood their entire bodies, including head and face, with water and wash the respirator. This is necessary to remove any asbestos particles on the respirator, which could subsequently enter their breathing zones. Only after this procedure is complete, may the person remove their respirator and thoroughly wash the remainder of their bodies, especially hair and fingernails.

15.3.3. No persons will be permitted to bypass the safety procedures contained herein.

16. MISCELLANIOUS SAFETY AND MAINTENANCE PROCEDURES:

16.2. Layout of Work Area Entrance and Decontamination Structures: The Vendor must set up Work Area isolation/decontamination facilities in the manner specified in the specifications or applicable law, or if more stringent, consisting of three areas as follows;

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- 16.2.1. The Equipment Room must be an area of sufficient size to accommodate at least one worker, a 6-mil disposal bag and container, and any equipment that the user wishes to store when not in use. The Equipment Room must not be physically separated from the Work Area Isolation Structure.
- 16.2.2. The Wash Room must have two curtained doorways of opaque polyethylene film, one to the Enclosed Work Area, and one to the uncontaminated area. At least one shower must be installed in this room for personal decontamination.
- 16.2.3. The Clean Room must be of sufficient size to accommodate at least one worker and storage of street clothing. The Clean Room must be in the uncontaminated area and be separated from any contaminated area by at least one Air Lock.
- 16.2.4. Prefabricated or trailer-type decontamination/entrance system may be used.
- 16.3. **Maintenance of Isolation System and Barriers:** At all times during any asbestos abatement project, the Vendor must routinely and frequently inspect and maintain the integrity of all Barriers and Curtained Doorways, and of the Work Area isolation Structure, and Enclosed Work Area. Special attention must be applied to taped joints. The Vendor must immediately repair damaged Barriers, Curtained Doorways, and other matters that may affect the integrity of the Enclosed Work Area and the Work Isolation Structure.
- 16.4. **Use of Asbestos Filtration Devices (AFD):** When required by applicable law, rule, or ordinance, Vendor must install and use Asbestos Filtration Devices (AFD) as part of an exhaust ventilation system to develop and hold a negative differential air pressure inside the Enclosed Work Areas.
- 16.5. **Cleanup and Transportation of ACM:** All polyethylene film, tape, cleaning material, clothing, respirator and AFD filters, and other disposable material or items used in the Enclosed Work Area must be treated and disposed of as ACM.

As disposal containers are filled, they must be sealed and moved to a staging area. The Vendor must remove ACM from the Enclosed Work Area on a regular basis. All waste containers must be thoroughly decontaminated before leaving the Enclosed Work Area.

When Loading filled disposal containers into the transport vehicles, the Vendor must: take steps to protect against rupture or other accidental

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opening of the sealed containers; assume any and all liability for any rupture or other opening of sealed containers.

Warning labels, having waterproof print and permanent adhesive, must be affixed to the sides of the disposal containers. Warning label must be conspicuous and legible, and they must be in accordance with EPA, OSHA, and DOT regulations.

- 16.6. Disposal of ACM:** Disposal of ACM must comply with all applicable laws, rules, and ordinances including, but not limited to DOT, OSHA, and EPA regulations. The landfill must be licensed to accept asbestos by all federal, state, and local authorities and proof of such license must be included in the project report. The Vendor must fully document actual disposal for each load of waste delivered to the designated landfill. Signature attesting to receipt of the waste by the landfill operator must be obtained from the landfill operator for each load.

16.7. Decontamination of Work Area and Site Cleanup:

- 16.7.1.** Upon completion of all Abatement Services, all equipment, machinery, scaffolding, tools, etc. must be cleaned with Amended Water and removed from the Work Area.
- 16.7.2.** After removing equipment and tools, the Vendor shall clean all surfaces inside the Enclosed Work Area, and any other part of the Work Area suspected of having asbestos fiber contamination, using Amended Water and/or HEPA filtered vacuum equipment, as appropriate.
- 16.7.3.** After all surfaces and equipment have been thoroughly cleaned and final clearance air sample results have been obtained, the Work Area Isolation Structures can be removed and must be disposed of as ACM.
- 16.7.4.** Vendor must conduct a detailed final inspection to ensure that no dust or debris remains on any surface and must immediately take any additional steps necessary to make sure the Work Area is free from asbestos fibers.

- 16.8. Final Restoration:** Vendor is responsible for restoring the Work Area to conditions equal to or better than original. Any damages caused during the performance of abatement activities shall be repaired by the Vendor (e.g., paint peeled off by barrier tape, nail holes, water damage, broken glass, etc.), at no additional expense to the Agency.

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17. INSULATION: Vendor shall insulate structures from which ACM has been removed or sealed in accordance with all applicable laws, rules, and ordinances, and as required by this Contract, the Agency, and Agency's representative.

17.2. Thermal and Acoustic Insulation: Vendor shall furnish and install all insulation necessary to the project and in accordance with the following type schedule. All insulation and accessories used in an air plenum space, and all duct covering and lining regardless of physical location, shall have a composite (insulation, jacket, & adhesive) fire and smoke hazard rating as tested under procedure ASTM E-84, NFPA 255 & UL 723, not exceeding a flame spread 25 and smoke developed 50. All other areas shall have insulating materials and accessories on pipes and vessels rated at a flame spread 25 and smoke developed 150 as tested by the same procedure. All calcium silicate shall be asbestos free.

Insulation Types: Subject to compliance with additional legal and regulatory requirements, Vendor shall provide insulation products of the following type:

Type (1): Fiberglass pipe insulation as manufactured by CertainTeed, Owens-Corning, Knauf, or Manville. Insulation shall be suitable for applications to 650 deg F and shall have a "k" factor of .23 at 75 deg F mean temperature.

Type (2): Armaflex Ap elastomeric pipe insulation as manufactured by Armstrong. Insulation shall be suitable for applications from -40 to +220 deg F and shall have a "k" factor of .24 at 75 deg F mean temperature. Armaflex insulation shall have a fire/smoke rating of 25/50 under ASTM E84-75.

Type (3): Rigid fiberglass duct insulation as manufactured by Manville, Owens-Corning, Knauf or CertainTeed. Insulation shall be suitable for applications to 450 deg F and shall have a "k" factor of .24 at 75 deg F mean temperature.

Type(4): Flexible fiberglass duct insulation as manufactured by Manville, Owens-Corning, Knauf or CertainTeed. Insulation shall be suitable for applications to 250 deg F and shall have a "k" factor of .31 at 75 deg F mean temperature.

Type(5): (Not Applicable)

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Type(6): Flexible board type fiberglass insulation as manufactured by Manville, Owens-Corning or CertainTeed. Insulation shall be suitable for applications to 450 deg F and shall have a "k" factor of .35 at 200-deg F mean temperature and a density of 3 pounds per cubic foot.

Type(7): Rigid block type calcium silicate insulation as manufactured by Manville, Owens-Corning, or PABCO. Insulation shall be suitable for applications to 800 degrees' Fahrenheit mean temperature and a density of 14 lbs. per cubic foot. Jacketing shall be F.G.C. field applied 8.5-oz. glass-cloth lagging.

Type of Finish:

1. **A.S.J.** - All service jacket with self-seal lap.
2. **F.G.C.** - Field applied 8-1/2 oz. Glass cloth lagging.
3. **F.F.V.** - Foil faced Kraft paper vapor seal, factory applied.

17.3. Installation: All insulation shall be completed over clean dry surfaces. Insulation must be dry and in good condition. Wet or damaged insulation will not be acceptable. No insulation shall be applied prior to pressure test completion of the respective piping and/or duct system.

17.3.1. Pipe insulation: All pipe insulation shall be installed with joints butted firmly together. All valves and fittings shall be insulated using insulation equal in density and thickness to the adjoining insulation; or with insulation cement equal in thickness to the adjoining insulation or pre-molded insulated fittings. The insulation applied to the valves and fitting shall be covered with Zeston 25/50 rated PVC fitting covers as manufactured by Manville Corporation or equal. No staple area allowed penetrating the vapor barrier on cold systems unless specified by the Owner. (i.e. chilled water, cold water, down spouts.) All pipe insulation ends shall be tapered and sealed regardless of services.

All flexible elastomeric insulation shall have all fittings, butt ends, and seams sealed with vapor barrier adhesive.

All insulated, exposed vertical piping within the building, excluding the mechanical equipment rooms, and piping exposed to outdoors shall include a .016" thick aluminum jacket in addition to the normal finish. Vertical piping shall be protected to a height of 8'-0" above the floor. Reheat coils in supply air ductwork shall also have a .016" thick aluminum jacket.

17.3.2. Duct Insulation: Rigid duct insulation shall be impaled over welded pins and secured with white insulation caps. All seams shall be

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firmly butted, staggered, and sealed with white pressure-sensitive vapor-barrier tape. Do not use staples unless specified by Owner/Agency.

Wrap around duct insulation shall be applied with all joints butted firmly together. Insulation shall be cemented to the surface with fireproof adhesive applied in 6" wide strips on 12" centers. All joints in the insulation covering shall be sealed with adhesive. Where the duct is over 24" wide, the duct wrap shall be additionally secured to bottom of rectangular or oval ducts with mechanical fasteners on 16" centers to prevent sagging. Vapor barrier shall be legibly printed by the manufacturer to show nominal thickness and type of insulation.

Duct liner insulation shall be applied with joints pre-coated with adhesive and butted firmly together. Lining shall be cemented to ductwork with a minimum of 75 percent coverage of fire resistant adhesive. Mechanical fasteners on maximum of 12" centers and adhesive shall be used when all ductwork in the Mechanical Rooms is to be considered as "exposed ductwork", per schedule in this section, i.e., supply and outdoor air.

17.3.3. Boilers, Vessels, Breeching, ECT Insulation: Rigid or flexible insulation shall be installed with joints staggered and all seams firmly butted together. Insulation shall be secured using 3/4" x .020 stainless steel bands on 12-inch centers. Where required, weld studs, clips, or angles needed to provide anchors for wires and bands. Insulate and lag using the appropriate type of either six or seven.

17.3.4. Additional Requirements: See the duct material schedule on building drawings when available for additional insulation information. Armaflex insulation exposed to the outdoors shall be painted, two coats of white Armaflex finish by the insulation contractor. A/C condensate floor drain waste lines to be insulated for a distance of 10' - 0" from the floor drain handling the condensate.

17.4. All insulation material shall conform to the following schedules:

Service	Type	Size	Thickness	Finish
Heating Water	1	4" & Under	1"	A.S.J.
Chilled/Heating Water	1	6" & Over	1 1/2"	A.S.J.
Chilled Water*	1	All Sizes	1"	A.S.J.
	2	1 1/2" & Under	1/2"	*****
Chilled Water Pump	1	*****	1"	F.G.C.
	2	*****	1/2"	*****

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Domestic Water	1	All Sizes	1"	A.S.J.
(Hot & Recirculated)	2	1 1/2" & Under Only	1/2"	*****
Domestic Cold Water	1	All Sizes	1	A.S.J.
& Downspouts (New & Existing)	2	1 1/2" & Under Only	1/2"	*****
Steam Condensate (15# & Under)	1	4" & Under	1 1/2"	A.S.J.
Steam Condensate (15# & Under)	1	6" & Over	2"	A.S.J.
Steam Condensate (16# to 55#)	1	1' & Under	1 1/2"	A.S.J.
Steam Condensate (16# to 55#)	1	1 1/4" to 4"	2 1/2"	A.S.J.
Steam Condensate (16# to 55#)	1	5" and Over	3"	A.S.J.
Feed Water, Pumped Steam Condensate, Blowdown	1	All Sizes	1 1/2"	A.S.J.
Exposed Ductwork	3	All Sizes	1 1/2"	A.S.J.
Concealed Ductwork	4	All Sizes	1 1/2"	F.F.V.
Heat Exchangers	6	All Sizes	2"	F.G.C.
Feedwater Tank, Condensate Pumps & Receivers, Flash Tank, Blowdown Separator, Air Separators	6	All Sizes	2"	F.F.V.
A.C. Condensate Floor Drain Waste Lines	1	All Sizes	1"	A.S.J.
Refrigerant Piping	2	1 5/8" & Under	1/2"	*****

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Domestic Hot Water Heater	6	All Sizes	2"	F.G.C.
Reheats Coils in Supply Air Duct Work Aluminum Jacket	3	All Sizes	1 1/2"	A.S.J. &0.016"

*Piping installed outdoors to be insulated installed with type 2 insulation.

18. FIREPROOFING: Vendor shall fireproof structures from which ACM has been removed or sealed in accordance with all applicable laws, rules, and ordinances, and as required by this Contract, the Agency, and Agency's representative.

18.2. General: Vendor shall provide materials and construction which meet or exceed those tested for the following fire performance characteristics, according to test method indicated, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction.

18.2.1. Fire Resistance Ratings: As indicated by reference to design designation in UL "Fire Resistance Directory" for fire-rated assemblies in which sprayed-on fireproofing serves as direct-applied protection, tested per ASTM E 119.

18.2.2. Surface Burning Characteristics: As indicated for each sprayed-on fireproofing product required, tested per ASTM E 84 and listed in UL "Building Materials Directory".

18.2.3. Field-Constructed Mock-Up: Prior to installation of exposed sprayed-on fireproofing, apply each product indicated for exposed applications, in location selected by the Owner/Agency, to represent completed work for qualities of appearance, materials, and application. Mock ups should be approximately 100 sq. ft. of surface. To the extent possible, Vendor should retain mock-ups during construction as standard for judging completed work.

18.3. Submittals: To obtain approval for use of fireproofing materials Vendor must submit the following to Agency and Agency's representative:

18.3.1. Product Data: manufacturer's product data for each sprayed-on fireproofing product indicated.

18.3.2. Test Reports: certified test results from an independent testing laboratory indicating compliance of sprayed-on fireproofing products with performance requirements indicated; Acceptance of steel primers by sprayed-on fireproofing manufacturer, based on data submitted by primer manufacturer, and sprayed-on fireproofing

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manufacturers' certification that their products comply with specification requirements and are suitable for the use indicated.

18.4. Delivery, Storage, Handling: Vendor shall deliver fireproofing products to project site in original, unopened packages with manufacturers' labels identifying products legible and intact. Vendor must also include names of products and manufacturers, date of manufacturer and shelf life, on the labels where applicable. Vendor must use materials with limited shelf life within period indicated. Vendor must store materials inside, under cover or above ground and in a manner to keep them dry until ready to use.

18.5. Fireproofing Products: Fireproofing products provided by Vendor must comply with or exceed the requirements of applicable law, rule, ordinance, and those listed below.

18.5.1. Cementitious Fireproofing: Cementitious fireproofing must be a factory-mixed formulation of inorganic binders and lightweight mineral aggregates mixed with water at project site to form slurry for pumping and for dispersal by compressed air introduced at spray nozzle. The physical properties that must be met include:

1. Bond Strength: 80 lbs. per sq. In. per ASTM E 736.
2. Compressive Strength: 3.47 lbs. per sq. In, per ASTM E 761.
3. Corrosion Resistance: No Evidence of corrosion per ASTM E 937.
4. Deflection: No cracking, spalling, delamination or the like per ASTM F759.
5. Effect of Impact on Bonding: No cracking, spalling delamination or the like per ASTM E 760.
6. Air Erosion: Maximum weight loss of 0.025 grams per sq. Ft. per ASTM E859.
7. Dry Density: Values for average and individual densities as required for fire-resistance ratings indicated, per ASTM E 605.
8. Hardness: 0.50 max. Penetration per ASTM C 569.
9. Surface Burning Characteristics: Maximum flame spread and smoke developed values of 10 and 0, respectively.

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18.6. Installation – Vendor shall install fireproofing material in accordance with all applicable laws, rules, ordinances, manufacturers' instructions and specifications, and instructions from the Agency or Agency's representatives.

18.6.1. Preparation: Vendor shall clean substrates of substances that could impair bond of fireproofing, including oil, grease, rolling compounds, incompatible primers, and loose mill scale, prime substrates where recommended by fireproofing manufacturer, except where compatible shop primer has been applied and is in satisfactory condition to receive fireproofing.

For exposed sprayed-on fireproofing applications Vendor shall repair substrates to remove any surface imperfections that could affect uniformity of texture and thickness in finished surface of fireproofing, and remove minor projections and fill voids that would telegraph through. All new sprayed on fire proofing shall be tinted blue.

Vendor shall cover other work that might be damaged by fall-out or overspray of fireproofing materials during application and provide a temporary enclosure as required to confine spraying operations, protect the environment, and to ensure adequate ambient conditions for temperatures and ventilation.

Vendor shall examine substrates to determine if they are in satisfactory condition to receive sprayed-on fireproofing. A satisfactory substrate is one that has been properly remediated and is free of oil, grease, rolling compounds, incompatible primers, loose mill scale, dirt or other foreign substance capable of impairing bond of fireproofing with substrate under conditions of normal use of fire exposure.

18.6.2. Order of Performance: Vendor shall coordinate application of sprayed-on fireproofing with other, related work specified in other sections to comply with the following requirements to: prevent deterioration of sprayed-fireproofing for interior applications due to exposure to unfavorable environmental conditions; avoid unnecessary exposure of sprayed-on fireproofing to abrasion and other damage likely to occur during construction operations subsequent to its application; and to ensure that sprayed-fireproofing is installed prior to installation of enclosing or concealing work, with sufficient time allowed for inspection, testing and correction of defective fireproofing.

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18.6.3. Method: Vendor shall apply fireproofing materials by sprayed-on method to maximum extent possible. Following spraying operation in each area, complete the coverage by trowel application or other placement method applicable to manufacturer.

18.7. Quality Control: Agency reserves the right to employ an independent testing laboratory to perform field quality control testing. Tests will be at the discretion of the Agency and will be performed to the extent that Agency deems necessary.

Vendor shall repair or replace fireproofing within areas where test results or general observation indicates fireproofing does not comply with requirements

Immediately upon completion of spraying operations in each containable area of the project, Vendor shall remove over-spray and fall-out of materials from Work Area surfaces and clean exposed surfaces to remove evidence of soiling.

19. CONDITIONS OF THE WORK

19.1 Permits: The Vendor shall procure all necessary permits and licenses to comply with all applicable Federal, State, or Local laws, regulations and ordinances of any regulating body.

19.2 Existing Conditions: If discrepancies are discovered between the existing conditions and those noted in the specifications, Vendor must immediately notify the Agency's representative. Vendor must also immediately notify the Agency if suspected hazardous materials are encountered.

19.3 Standard Work Hours: The standard hours of work for this Contract will be 7:00 AM. EST to 5:00 PM. EST. unless specified differently by the requesting Agency excluding holidays recognized by the State of West Virginia. Any work outside of the standard hours of work must be approved in advance at the Agency's sole discretion. Authorization of work outside of the standard hours of work will not entitle Vendor to additional compensation.

19.4 Project Closeout: Project Closeout shall include the following:

19.4.1 Final Cleanup: Vendor shall perform the final cleanup activities listed below, along with any other final cleanup activities normally associated with the work performed under this Contract, prior to final inspection:

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19.4.2 Final Inspection: Vendor shall participate in a final inspection with the Agency's project manager. The purpose of the final inspection will be to identify deficiencies that need to be remedied prior to Agency's final acceptance of the work. Vendor shall at all times be obligated to perform in accordance with the Contract and must take all actions necessary to ensure that work complies with requirements of Contract prior to final acceptance. Final acceptance does not waive or release Vendor from its obligation to ensure that work complies with the Contract requirements. Vendor shall submit any warranty documents to the Owner/Agency project manager at final inspection.

20. MISCELLANEOUS:

20.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: GREGORY PAULEY

Telephone Number: 304-343-5950

Fax Number: 304-343-5961

Email Address: gpaulley@astarabatement.com

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ABATMNT17 Asbestos Abatement

Item/ Category Descriptions

ENTER ALL PRICING on ATTACHED PRICING PAGES NOT BELOW

Category 1 – Provide a price per linear foot for Abatement Services for 260 linear feet or less of pipe lagging in the following dimensions:

1 0	One inch pipe, per linear foot	
1.1	Two-inch pipe, per linear foot	
1.2	Three-inch pipe, per linear foot	
1.3	Four-inch pipe, per linear foot	
1.4	Five-inch pipe, per linear foot	
1.5	Six-inch pipe, per linear foot	
1.6	Seven-inch pipe, per linear foot	
1.7	Eight-inch pipe, per linear foot	
1.8	Nine-inch pipe, per linear foot	
1.9	Ten-inch pipe, per linear foot	
1.10	Eleven-inch pipe, per linear foot	
1.11	Twelve-inch pipe, per linear foot	
1.12	Over twelve-inch pipe, per linear foot to 20 inches	

Category 2 – Provide a price per linear foot for Abatement Services for more than 260 linear feet of pipe lagging in the following dimensions:

2 0	One inch pipe, per linear foot	
2.1	Two-inch pipe, per linear foot	
2.2	Three-inch pipe, per linear foot	
2.3	Four-inch pipe, per linear foot	
2.4	Five-inch pipe, per linear foot	
2.5	Six-inch pipe, per linear foot	
2.6	Seven-inch pipe, per linear foot	
2.7	Eight-inch pipe, per linear foot	
2.8	Nine-inch pipe, per linear foot	
2.9	Ten-inch pipe, per linear foot	
2.10	Eleven-inch pipe, per linear foot	
2.11	Twelve-inch pipe, per linear foot	
2.12	Over twelve-inch pipe, per linear foot to 20 inches	

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Category 3 – Provide a price per square foot for Abatement Services related to the following types of asbestos materials in amounts of 260 square feet or less:

3.0	Floor tile, per square foot	
3.1	Floor tile with mastic, per square foot	
3.2	Spray-on fireproofing, per square foot	
3.3	Boiler and breeching insulation, per square foot	
3.4	Storage tank insulation, per square foot	
3.5	Ceiling or wall plaster, per square foot	
3.6	Transite type material, per square foot	
3.7	Roofing shingles, per square foot	
3.8	Roofing felts per square foot	
3.9	Roof flashing material, per square foot	
3.10	Roofing buildup material, per square foot	
3.11	Ceiling tile, per square foot	

Category 4 – Provide a price per square foot for Abatement Services related to the following types of asbestos material in amounts greater than 260 square feet:

4.0	Floor tile, per square foot	
4.1	Floor tile with mastic, per square foot	
4.2	Spray-on fireproofing, per square foot	
4.3	Spray-on fireproofing, greater than 3000 square feet	
4.4	Boiler and breeching insulation, per square foot	
4.5	Storage tank insulation, per square foot	
4.6	Ceiling or wall plaster, per square foot	
4.7	Transite type material, per square foot	
4.8	Roofing shingles, per square foot	
4.9	Roofing felts per square foot	
4.10	Roof flashing material, per square foot	
4.11	Roofing buildup material, per square foot	
4.12	Ceiling tile, per square foot	

REQUEST FOR QUOTATION
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Category 5 – Provide a unit price for the following:

5.0	Air samples, each	
5.1	Landfill disposal, per cubic yard	
5.2	Set of Air clearances, each	
5.3	Project Management, per hour	
5.4	Project Designer, per hour	
5.5	Inspector/Mgmt. Planner, per hour	
5.6	PLM (Asbestos Bulk Samples) 48 hour turn-around	
5.7	PLM (Asbestos Bulk Samples) Rush turn around time	

Category 6 – Provide a price per square foot for the application of a bridging or a penetrating encapsulation in the amount of 260 square feet or less.

6.0	Bridging or a penetrating encapsulation <260 sq. ft.	
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Category 7 – Provide a price per square foot for the application of a bridging or a penetrating encapsulation in amounts greater than 260 square feet.

7.0	Bridging or a penetrating encapsulation >260 sq. ft.	
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Category 8 – The price for all pipefitting, such as ells, tees, valves, and flanges, shall be based on a factor of 1.5 of the linear foot cost for the appropriate size of pipe involved.

8.0	All pipefitting	1.5 X LF
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Category 9 – Insulation Unit Prices for Fitting Factors: All ells, tees, flanges, and valves shall be based on a factor of three times the linear foot cost for the appropriate size of the pipe involved.

9.0	All pipefitting insulation	3 X LF
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Category 10 - Please provide a price per linear foot for 260 linear feet or less for insulating the following items with **TYPE 1** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
10.0	1/2"				
10.1	3/4"				
10.2	1"				
10.3	1 1/2"				
10.4	2"				
10.5	2 1/2"				
10.6	3"				
10.7	4"				
10.8	5"				
10.9	6"				
10.10	8"	n/a			
10.11	10"	n/a			
10.12	12"	n/a			
10.13	14"	n/a			
10.14	16"	n/a			
10.15	18"	n/a			
10.16	20"	n/a			
10.17	24"	n/a			

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Category 11 – Please provide a price per linear foot for greater than 260 linear feet for insulating the following items with **TYPE 1** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
11.0	1/2"				
11.1	3/4"				
11.2	1"				
11.3	1 1/2"				
11.4	2"				
11.5	2 1/2"				
11.6	3"				
11.7	4"				
11.8	5"				
11.9	6"				
11.10	8"	n/a			
11.11	10"	n/a			
11.12	12"	n/a			
11.13	14"	n/a			
11.14	16"	n/a			
11.15	18"	n/a			
11.16	20"	n/a			
11.17	24"	n/a			

Category 12 – NOT USED

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Category 13 - Please provide a price per linear foot for 260 linear feet or less for insulating the following items with **TYPE 2** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
13.0	1/2"				
13.1	3/4"				
13.2	1"				
13.3	1 1/2"				
13.4	2"				
13.5	2 1/2"				
13.6	3"				

Category 14 – Please provide a price per linear foot for more than 260 linear feet for insulating the following items with **TYPE 2** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
14.0	1/2"				
14.1	3/4"				
14.2	1"				
14.3	1 1/2"				
14.4	2"				
14.5	2 1/2"				
14.6	3"				

Category 15 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of 260 square feet or less with **TYPE 3** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
15.0	1 1/2" Thick	

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Category 16 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of more than 260 square feet with **TYPE 3** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
16.0	1 1/2" Thick	

Category 17 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of 260 square feet or less with **TYPE 4** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
17.0	1 1/2" Thick	

Category 18 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of more than 260 square feet with **TYPE 4** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
18.0	1 1/2" Thick	

Category 19 – NOT USED

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Category 20 – Please provide unit prices per square foot for the insulation of boilers, tanks, and breeching in amounts of 260 square feet or less with **TYPE 6** insulation with 3 lb. fiberglass and **ASJ or FSK finish**.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
20.0	1" Thick			
20.1	1 1/2" Thick			
20.2	2" Thick			

Category 21 – Please provide unit prices per square foot for the insulation of boilers, tanks, and breeching in amounts of greater than 260 square feet with **TYPE 6** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
21.1	1" Thick			
21.2	1 1/2" Thick			
21.3	2" Thick			

Category 22 – Please provide unit prices per square foot for the insulation of boilers, tanks, breeching in amounts of 260 square feet or less with **TYPE 7** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
22.0	1" Thick			
22.1	1 1/2" Thick			
22.2	2" Thick			

Category 23 – Please provide unit prices per square foot for the insulation of boilers, tanks, breeching in amounts greater than 260 square feet with **TYPE 7** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
23.0	1" Thick			
23.1	1 1/2" Thick			
23.2	2" Thick			

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Category 24 – Please provide unit prices per square foot for cementitious fireproofing on support steel beams and floor decking for amounts of 260 square feet or less.

Item	Insulation Thickness	FIREPROOFING "MONKOTE" OR EQUAL
24.0	1" Thick	

Category 25 – Please provide unit prices per square foot for cementitious fireproofing on support steel beams and floor decking for amounts greater than 260 square feet.

Item	Insulation Thickness	FIREPROOFING "MONKOTE" OR EQUAL
25.0	1" Thick	

Category 26 – Please provide unit prices per square foot for contaminated carpet removal.

Item	Contaminated Carpet Removal	
26.0	Per Sq. Foot	

Category 27 – Please provide unit prices per square foot for linoleum removal.

Item	Linoleum Removal	
27.0	Per Sq. Foot	

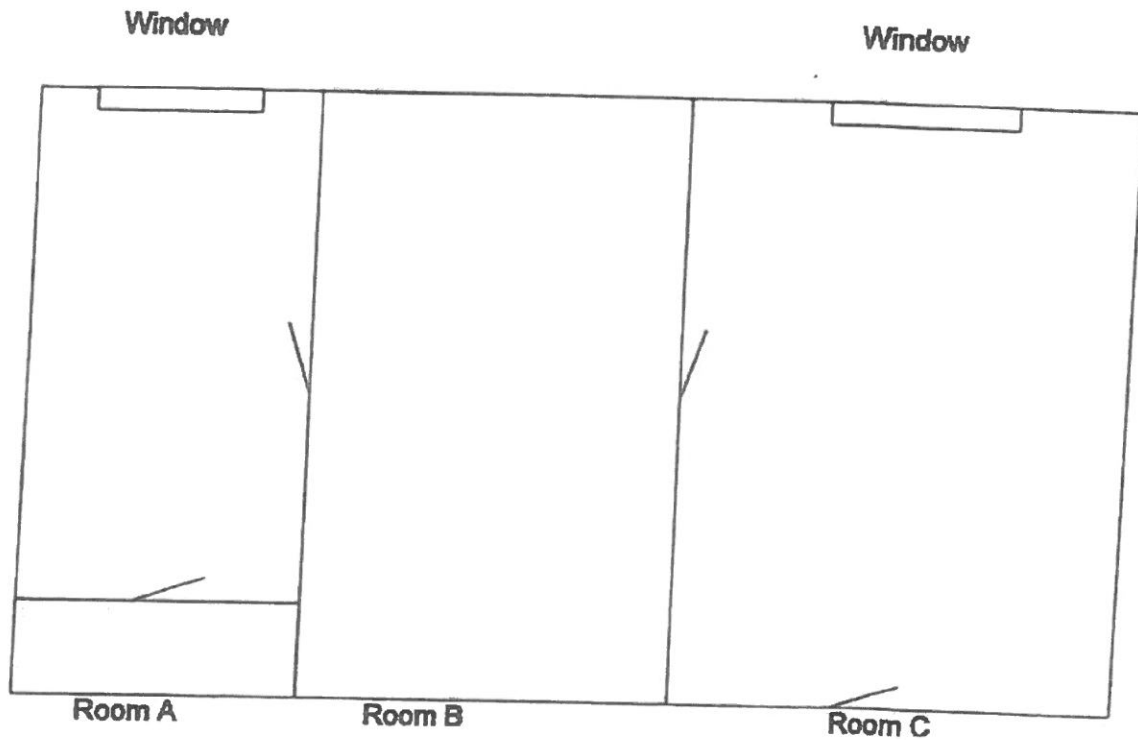
BID SCENARIO NUMBER 1

Remove carpet and abate tile and mastic in three office spaces.

Room A is 10 feet by 15 feet.

Room B is 20 feet by 12 feet.

Room C is 21 feet by 14 feet.



The area is on the third floor of a six story building. The area around the offices is occupied during normal working hours.

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BID SCENARIO #1	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Rooms A, B & C	26.0	Contaminated Carpet Removal, per square foot	Square Foot	684	x	\$	=	\$
Rooms A, B & C	4.1	Floor Tile with mastic, per square foot (over 260 sq ft)	Square Foot	684	x	\$	=	\$
Total Air Samples	5.0	Air Samples, each	Each	10	x	\$	=	\$
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$	=	\$
Air Clearances	5.2	Set of Air Clearances, each	Each	3	x	\$	=	\$
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$	=	\$
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$	=	\$
				BID SCENARIO #1 SUBTOTAL			=	\$

BID SCENARIO NUMBER 2

We are requesting bids for the abatement, disposal and re-insulation of Mechanical Room #12 in building 62. The abatement project consists of:

- 980 square feet of $\frac{3}{4}$ inch sheet insulation on the air handler
- 420 square feet of 1 inch sheet insulation on the vent ducting

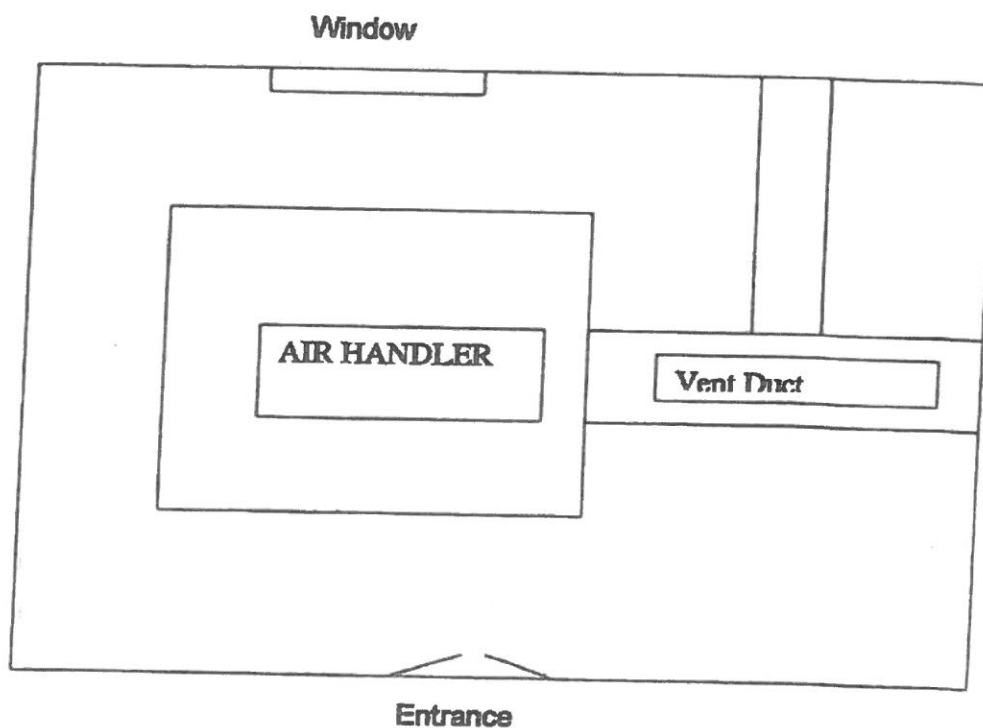
Chill water piping

- 89 linear feet of 2" piping
- 120 linear feet of 1" piping
- 115 linear feet of 4" piping

Steam piping:

- 32 linear feet of 12" piping 1" thick TSI
- 295 linear feet of 24" piping 2" thick TSI
- 1" tee connections - 15
- 1" valves - 6
- 1" elbows - 10
- 2" elbows - 4
- 2" valves - 2
- 4" elbows - 4
- 4" tees - 2
- 12" elbows - 2
- 24" elbows - 2

All piping and air handler areas are fully accessible. The piping runs from the air handler to the ceiling which is 16 feet high.



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BID SCENARIO #2	Unit Price Category	Description	Unit of Measure	Scenario Quantity	Unit Price			Extended Total
Air Handler Abatement	4.4	Removing 3/4" sheet insulation on air handler, per sq ft	Square Foot	980	x	\$	=	\$
Air Handler Re-insulation	21.1.a	Insulating air handler with 1" Type 6 insulation, per sq ft	Square Foot	980	x	\$	=	\$
Vent Ducting Abatement	4.4	Removing 1" sheet Insulation on vent ductwork, per sq ft	Square Foot	420	x	\$	=	\$
Vent Ducting Re-insulation	16.0	Insulating ductwork with 1-1/2" Type 3 insulation, per sq ft	Square Foot	420	x	\$	=	\$
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	120	x	\$	=	\$
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	89	x	\$	=	\$
Removal - 4" CW Piping	1.3	Four inch pipe, per linear foot	Linear Foot	115	x	\$	=	\$
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	32	x	\$	=	\$
Removal - 24" Steam Piping	2.12	Over twelve inch pipe, per linear foot to 24 inches	Linear Foot	295	x	\$	=	\$
Re-insulate - 1" CW Piping	10.2.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	120	x	\$	=	\$
Re-insulate - 2" CW Piping	10.4.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	89	x	\$	=	\$
Re-insulate - 4" CW Piping	10.7.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	115	x	\$	=	\$
Re-insulate - 12" Steam Piping	10.12.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	32	x	\$	=	\$
Re-insulate - 24" Steam Piping	11.17.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	295	x	\$	=	\$
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be all Type 1, 1" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	15 Tees, 6 Valves, 10 Elbows (Category 2.0 times factor)	Linear Foot	31	x	\$	=	\$
Removal - 2" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Valves (Category 2.1 times factor)	Linear Foot	6	x	\$	=	\$
Removal - 4" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Tees (Category 2.3 times factor)	Linear Foot	6	x	\$	=	\$
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.11 times factor)	Linear Foot	2	x	\$	=	\$
Removal - 24" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.12 times factor)	Linear Foot	2	x	\$	=	\$
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	15 Tees, 6 Valves, 10 Elbows (Category 11.2.b times factor)	Linear Foot	31	x	\$	=	\$
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Valves (Category 11.4.b times factor)	Linear Foot	6	x	\$	=	\$
Re-insulate - 4" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Tees (Category 11.7.b times factor)	Linear Foot	6	x	\$	=	\$
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.12.b times factor)	Linear Foot	2	x	\$	=	\$
Re-insulate - 24" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.17.b times factor)	Linear Foot	2	x	\$	=	\$
Air Samples	5.0	Air Samples, each	Each	10	x	\$	=	\$
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$	=	\$

Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$	=	\$
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$	=	\$
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$	=	\$
					BID SCENARIO #2 SUBTOTAL		=	\$

BID SCENARIO NUMBER 3

We are requesting bids for the abatement, disposal and re-insulation of Building 62 12th floor Mechanical Room. The abatement project consists of:

11,000 square feet of spray-on insulation
 985 square feet of sheet insulation on air handler # 1
 765 square feet of sheet insulation on air handler # 2
 685 square feet of sheet insulation on air handler # 3

Chill water piping:

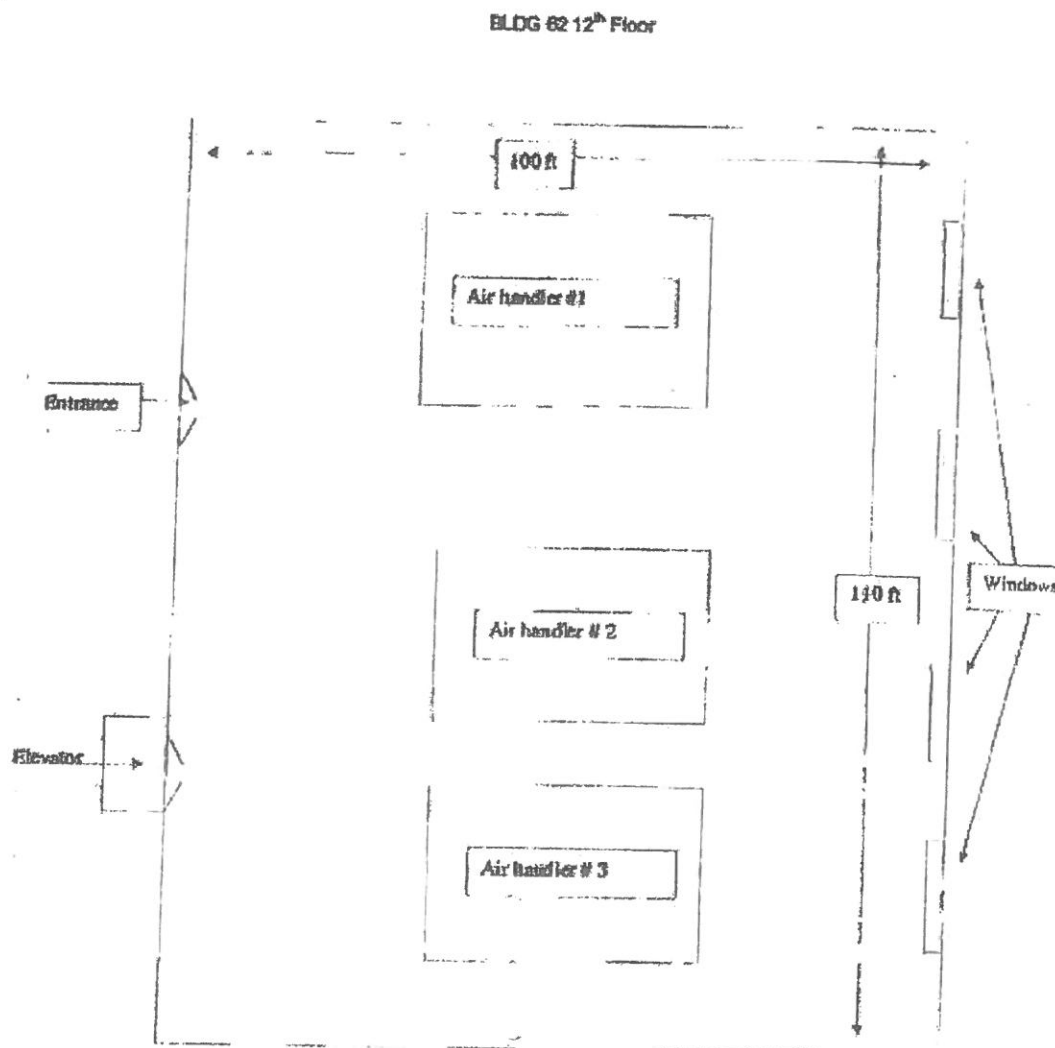
175 linear feet of 1" piping
 1" tee – 8
 1" valves – 16
 1" elbows – 24
 85 linear feet of 6" piping
 6" valves – 6
 6" tees – 4
 6" elbows – 8
 155 linear feet of 2" piping
 2" tees – 9
 2" elbows – 16
 2" valves – 6

Steam Piping:

80 linear feet of 12" piping
 12" elbows – 4
 12" valves – 2
 140 linear feet of 8" piping
 8" elbows – 12
 8" tees – 6
 8" valves – 4

The ceiling is 20 feet high. Steam piping is suspended from the ceiling and is easily accessible. Chill water piping is connected to the air handler unit and run up to the ceiling and is accessible. The area can be secured during the abatement project but must be done at night when tenants are not at work. The air handler units will be shut down. See general layout on the following page.

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Asbestos Abatement



Revised 10/27/2014

ABATMNT17 - Pricing Pages

BID SCENARIO #3	Unit Price Category	Description	Unit of Measure	Scenario Quantity	Unit Price			Extended Total
Spray-on Insulation	4.3	Removal from steel structural members, per square foot	Square Foot	11000	x	\$	=	\$
Re-fireproofing	25.0	Cementitious fireproofing re-applied to steel members	Square Foot	11000	x	\$	=	\$
Air Handler Abatement	4.4	Removing sheet insulation on three air handlers, per sq ft	Square Foot	2435	x	\$	=	\$
Air Handler Re-insulation	21.1.a	Insulating air handlers with 1" Type 6 insulation, per sq ft	Square Foot	2435	x	\$	=	\$
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	175	x	\$	=	\$
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	155	x	\$	=	\$
Removal - 6" CW Piping	1.5	Six inch pipe, per linear foot	Linear Foot	85	x	\$	=	\$
Removal - 8" Steam Piping	1.7	Eight inch pipe, per linear foot	Linear Foot	140	x	\$	=	\$
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	80	x	\$	=	\$
Re-insulate - 1" CW Piping	10.2.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	175	x	\$	=	\$
Re-insulate - 2" CW Piping	10.4.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	155	x	\$	=	\$
Re-insulate - 6" CW Piping	10.9.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	85	x	\$	=	\$
Re-insulate - 8" Steam Piping	10.10.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	140	x	\$	=	\$
Re-insulate - 12" Steam Piping	10.12.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot	80	x	\$	=	\$
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be at Type 1, 1-1/2" thick)								
Removal - 1" Pipefittings	8.0 (factor of 1.5)	8 Tees, 16 Valves, 24 Elbows (Category 2.0 times factor)	Linear Foot	48	x	\$	=	\$
Removal - 2" Pipefittings	8.0 (factor of 1.5)	9 Tees, 6 Valves, 16 Elbows (Category 2.1 times factor)	Linear Foot	31	x	\$	=	\$
Removal - 6" Pipefittings	8.0 (factor of 1.5)	4 Tees, 6 Valves, 8 Elbows (Category 2.5 times factor)	Linear Foot	18	x	\$	=	\$
Removal - 8" Pipefittings	8.0 (factor of 1.5)	6 Tees, 4 Valves, 12 Elbows (Category 2.7 times factor)	Linear Foot	22	x	\$	=	\$
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Valves, 4 Elbows (Category 2.11 times factor)	Linear Foot	6	x	\$	=	\$
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	8 Tees, 16 Valves, 24 Elbows (Category 11.2.c times factor)	Linear Foot	48	x	\$	=	\$
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	9 Tees, 6 Valves, 16 Elbows (Category 11.4.c times factor)	Linear Foot	31	x	\$	=	\$
Re-insulate - 6" Pipefittings	9.0 (factor of 3.0)	4 Tees, 6 Valves, 8 Elbows (Category 11.9.c times factor)	Linear Foot	18	x	\$	=	\$
Re-insulate - 8" Pipefittings	9.0 (factor of 3.0)	6 Tees, 4 Valves, 12 Elbows (Category 11.10.c times factor)	Linear Foot	22	x	\$	=	\$
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Valves, 4 Elbows (Category 11.12.c times factor)	Linear Foot	6	x	\$	=	\$
Air Samples	5.0	Air Samples, each	Each	10	x	\$	=	\$
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	10	x	\$	=	\$

Air Clearances	5.2	Set of Air Clearances, each	Each	1	x	\$	=	\$
Project Management	5.3	Project Management, per hour	per Hour	10	x	\$	=	\$
Project Design	5.4	Project Designer, per hour	per Hour	5	x	\$	=	\$
Inspector/Mgmt, Planner	5.5	Planner, per hour	per Hour	1	x	\$	=	\$
PLM, 48hr Turnaround	5.6	Asbestos Bulk Samples, each	Each	10	x	\$	=	\$
PLM, Rush turn around time	5.7	Asbestos Bulk Samples, each	Each	2	x	\$	=	\$
					BID SCENARIO #3 SUBTOTAL		=	\$

UNIT PRICES PRICING PAGES

Category 1: Abatement of 1-260 linear feet of pipe lagging

Sub-category	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Unit Price								
Sub-category	1.8	1.9	1.10	1.11	1.12			
Unit Price								

Category 2: Abatement of more than 260 linear feet of pipe lagging

Sub-category	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
Unit Price								
Sub-category	2.8	2.9	2.10	2.11	2.12			
Unit Price								

Category 3: Abatement of materials, 1-260 square feet

Sub-category	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Unit Price								
Sub-category	3.8	3.9	3.10	3.11				
Unit Price								

Category 4: Abatement of materials, more than 260 square feet

Sub-category	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
Unit Price								
Sub-category	4.8	4.9	4.10	4.11	4.12			
Unit Price								

Category 5: Miscellaneous (Sampling, Air Clearances, Management, etc)

Sub-category	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
Unit Price								

Category 6: Bridging/penetrating encapsulation, 1-260 sq ft

Sub-category	6.0
Unit Price	

Category 7: Bridging/penetrating encapsulation, more than 260 sq ft

Sub-category	7.0
Unit Price	

Category 10: Pipe Insulation, 1-260 linear feet, Type 1

Sub-category	10.0.a	10.0.b	10.0.c	10.0.d	10.1.a	10.1.b	10.1.c	10.1.d
Unit Price								
Sub-category	10.2.a	10.2.b	10.2.c	10.2.d	10.3.a	10.3.b	10.3.c	10.3.d
Unit Price								
Sub-category	10.4.a	10.4.b	10.4.c	10.4.d	10.5.a	10.5.b	10.5.c	10.5.d
Unit Price								
Sub-category	10.6.a	10.6.b	10.6.c	10.6.d	10.7.a	10.7.b	10.7.c	10.7.d
Unit Price								
Sub-category	10.8.a	10.8.b	10.8.c	10.8.d	10.9.a	10.9.b	10.9.c	10.9.d
Unit Price								
Sub-category	10.10.b	10.10.c	10.10.d	10.11.b	10.11.c	10.11.d	10.12.b	10.12.c
Unit Price								
Sub-category	10.12.d	10.13.b	10.13.c	10.13.d	10.14.b	10.14.c	10.14.d	10.15.b
Unit Price								
Sub-category	10.15.c	10.15.d	10.16.b	10.16.c	10.16.d	10.17.b	10.17.c	10.17.d
Unit Price								

Category 11: Pipe Insulation, more than 260 linear feet, Type 1

Sub-category	11.0.a	11.0.b	11.0.c	11.0.d	11.1.a	11.1.b	11.1.c	11.1.d
Unit Price								
Sub-category	11.2.a	11.2.b	11.2.c	11.2.d	11.3.a	11.3.b	11.3.c	11.3.d
Unit Price								
Sub-category	11.4.a	11.4.b	11.4.c	11.4.d	11.5.a	11.5.b	11.5.c	11.5.d
Unit Price								
Sub-category	11.6.a	11.6.b	11.6.c	11.6.d	11.7.a	11.7.b	11.7.c	11.7.d
Unit Price								
Sub-category	11.8.a	11.8.b	11.8.c	11.8.d	11.9.a	11.9.b	11.9.c	11.9.d
Unit Price								
Sub-category	11.10.b	11.10.c	11.10.d	11.11.b	11.11.c	11.11.d	11.12.b	11.12.c
Unit Price								
Sub-category	11.12.d	11.13.b	11.13.c	11.13.d	11.14.b	11.14.c	11.14.d	11.15.b
Unit Price								
Sub-category	11.15.c	11.15.d	11.16.b	11.16.c	11.16.d	11.17.b	11.17.c	11.17.d
Unit Price								

Category 13: Pipe Insulation, 1-260 linear feet, Type 2

Sub-category	13.0.a	13.0.b	13.0.c	13.0.d	13.1.a	13.1.b	13.1.c	13.1.c
Unit Price								
Sub-category	13.2.a	13.2.b	13.2.c	13.2.d	13.3.a	13.3.b	13.3.c	13.3.d
Unit Price								
Sub-category	13.4.a	13.4.b	13.4.c	13.4.d	13.5.a	13.5.b	13.5.c	13.5.d
Unit Price								
Sub-category	13.6.a	13.6.b	13.6.c	13.6.d				
Unit Price								

Category 14: Pipe Insulation, more than 260 linear feet, Type 2

Sub-category	14.0.a	14.0.b	14.0.c	14.0.d	14.1.a	14.1.b	14.1.c	14.1.d
Unit Price								

Sub-category	14.2.a	14.2.b	14.2.c	14.2.d	14.3.a	14.3.b	14.3.c	14.3.d
Unit Price								
Sub-category	14.4.a	14.4.b	14.4.c	14.4.d	14.5.a	14.5.b	14.5.c	14.5.d
Unit Price								
Sub-category	14.6.a	14.6.b	14.6.c	14.6.d				
Unit Price								

Category 15: HVAC Supply/Return Ductwork, 1-260 square feet, Type 3

Sub-category	15.0
Unit Price	

Category 17: HVAC Supply/Return Ductwork, 1-260 square feet, Type 4

Sub-category	17.0
Unit Price	

Category 16: HVAC Supply/Return Ductwork, more than 260 square feet, Type 3

Sub-category	16.0
Unit Price	

Category 18: HVAC Supply/Return Ductwork, more than 260 square feet, Type 4

Sub-category	18.0
Unit Price	

Category 20: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 6

Sub-category	20.0.a	20.0.b	20.0.c	20.1.a	20.1.b	20.1.c	20.2.a	20.2.b
Unit Price								
Sub-category	20.2.c							
Unit Price								

Category 21: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 6

Sub-category	21.1.a	21.1.b	21.1.c	21.2.a	21.2.b	21.2.c	21.3.a	21.3.b
Unit Price								
Sub-category	21.3.d							
Unit Price								

Category 22: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 7

Sub-category	22.0.a	22.0.b	22.0.c	22.1.a	22.1.b	22.1.c	22.2.a	22.2.b
Unit Price								
Sub-category	22.2.c							
Unit Price								

Category 23: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 7

Sub-category	23.0.a	23.0.b	23.0.c	23.1.a	23.1.b	23.1.c	23.2.a	23.2.b
Unit Price								
Sub-category	23.2.c							
Unit Price								

Category 24: Cementitious Fireproofing on steel beams/decking, 1-260 square feet

Sub-category	24.0
Unit Price	

Category 25: Cementitious Fireproofing on steel beams/decking, more than 260 square feet

Sub-category	25.0
Unit Price	

Category 26: Contaminated Carpet Removal per square foot

Sub-category	26.0
Unit Price	

Category 27: Linoleum Removal per square foot

Sub-category	25.0
Unit Price	

UNIT PRICES SUBTOTAL: \$ -

ABATMNT17 - Pricing Pages

Bid Recap

Bid Scenario Number 1 Sub Total:	
Bid Scenario Number 2 Sub Total:	
Bid Scenario Number 3 Sub Total:	
Unit Prices - Pricing Pages Sub Total:	
TOTAL BID AMOUNT:	

Contact Person Name:

Phone:

Company Name:

Fax:

Address:

Email:

Contact Person Signature:

Date:

Basis for Award: This contract shall be awarded to the Vendor that meets or exceeds the specifications contained herein and provides the lowest TOTAL BID AMOUNT.

WV-75
Created 07/18/12



State of West Virginia

PURCHASING DIVISION

Construction Bid Submission Review Form

This list has been provided for informational purposes only and is not to be construed as a complete list of request for quotation or bidding requirements for any individual construction project. This list does not and cannot include every item, mistake or oversight that could cause a contractor's bid to be disqualified. Rather, this list is intended to draw attention to some of the most common problems that the Purchasing Division encounters in the bidding process for construction projects. All potential bidders must read the request for quotation, all additional documents, and all instructions relating thereto ("Bid Documents") in their entirety to identify the actual request for quotation and bidding requirements. Failure to read the Bid Documents in their entirety and comply with the stated requirements contained therein may result in bid disqualification.

Errors That Shall Be Reason for Immediate Bid Disqualification

1. Failure to attend a mandatory pre-bid meeting
2. Failure to sign the bid
3. Failure to supply West Virginia contractor's license # on bid
4. Failure to supply a signed drug free workplace affidavit with the bid
5. Failure to supply a valid bid bond or other surety approved by the State of West Virginia
6. Failure to meet any mandatory requirement of the RFQ
7. Failure to acknowledge receipt of Addenda (only if stipulated as mandatory)
8. Failure to submit bid prior to the bid opening date and time
9. Federal debarment
10. State of West Virginia debarment or suspension

Errors that May Be Reason for Bid Disqualification Before Contract Award

1. Uncontested debt to the State exceeding \$1,000.00 (must be cured prior to award)
2. Workers' Compensation or Unemployment Compensation delinquency (must be cured prior to award)
3. Not registered as a vendor with the State (must be cured prior to award)
4. Failure to obtain required bonds and/or insurance
5. Failure to provide the sub-contractor listing within 1 business day of bid opening.
6. Failure to use the provided RFQ form (only if stipulated as mandatory).



**State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5**

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha, **TO-WIT:**

I, Gregory Pauley, after being first duly sworn, depose and state as follows:

1. I am an employee of Astar Abatement, Inc.; and,
(Company Name)
2. I do hereby attest that Astar Abatement, Inc.
(Company Name)

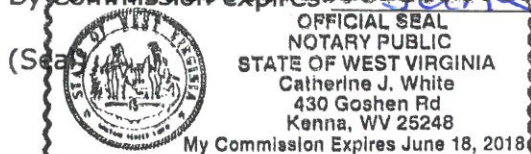
maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: GREGORY A PAULEY
Signature: [Handwritten Signature]
Title: VP of Operations
Company Name: ASTAR ABATEMENT, Inc.
Date: 6/2/2017

Taken, subscribed and sworn to before me this 2nd day of June, 2017.

By Commission expires June 18, 2018



Catherine J. White
(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

BID BOND PREPARATION INSTRUCTIONS

AGENCY (A)
RFQ/RFP# (B)

- (A) WV State Agency
(Stated on Page 1 "Spending Unit")
(B) Request for Quotation Number (upper right corner of page #1)
(C) Your Business Entity Name (or Individual Name if Sole Proprietor)
(D) City, Location of your Company
(E) State, Location of your Company
(F) Surety Corporate Name
(G) City, Location of Surety
(H) State, Location of Surety
(I) State of Surety Incorporation
(J) City of Surety's Principal Office
(K) Minimum amount of acceptable bid bond is 5% of total bid. You may state "5% of bid" or a specific amount on this line in words.
(L) Amount of bond in numbers
(M) Brief Description of scope of work
(N) Day of the month
(O) Month
(P) Year
(Q) Name of Business Entity (or Individual Name if Sole Proprietor)
(R) Seal of Principal
(S) Signature of President, Vice President, or Authorized Agent
(T) Title of Person Signing for Principal
(U) Seal of Surety
(V) Name of Surety
(W) Signature of Attorney in Fact of the Surety

NOTE 1: **Dated Power of Attorney with Surety Seal must accompany this bid bond.**

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned,
(C) of (D) (E)
as Principal, and (F) of (G)
(H), a corporation organized and existing under the laws
of the State of (I) with its principal office in the City of
(J), as Surety, are held and firmly bound unto The State
of West Virginia, as Oblige, in the penal sum of (K)
(\$ (L)) for the payment of which, well and truly to be made,
we jointly and severally bind ourselves, our heirs, administrators, executors,
successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the Department of Administration a certain bid or proposal, attached hereto and made a part hereof to enter into a contract in writing for _____

(M)

NOW THEREFORE

(a) If said bid shall be rejected, or
(b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the agreement created by the acceptance of said bid then this obligation shall be null and void, otherwise this obligation shall remain in full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated

The Surety for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of time within which the Oblige may accept such bid: and said Surety does hereby waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and Surety, or by Principal individually if Principal is an individual, the (N) day of (O), 20 (P).

Principal Seal

(R)

(Q)
(Name of Principal)

By (S)
(Must be President, Vice President, or
Duly Authorized Agent)

(T)
Title

Surety Seal

(U)

(V)
(Name of Surety)

(W)
Attorney-in-Fact

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.

Agency _____
 REQ.P.O# _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, _____
 _____ of _____, _____, as Principal, and _____
 _____ of _____, _____, a corporation organized and existing under the laws of the State of _____
 _____ with its principal office in the City of _____, as Surety, are held and firmly bound unto the State
 of West Virginia, as Oblige, in the penal sum of _____ (\$ _____) for the payment of which,
 well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
 Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for

NOW THEREFORE,

- (a) If said bid shall be rejected, or
 (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal
 attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform
 the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in
 full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no
 event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
 way impaired or affected by any extension of the time within which the Oblige may accept such bid, and said Surety does hereby
 waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and
 Surety, or by Principal individually if Principal is an individual, this _____ day of _____, 20____.

Principal Seal

 (Name of Principal)

By _____
 (Must be President, Vice President, or
 Duly Authorized Agent)

 (Title)

Surety Seal

 (Name of Surety)

 Attorney-in-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and
 must attach a power of attorney with its seal affixed.**

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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. 2
☒ Addendum No. 3
☒ Addendum No. 4
☐ Addendum No. 5

- ☐ Addendum No. 6
☐ Addendum No. 7
☐ Addendum No. 8
☐ Addendum No. 9
☐ 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.

ASTAR ABATEMENT, INC.
 Company
GREGORY A. PAULEY, VP OF OPERATIONS
 Authorized Signature
6/2/2017
 Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Gregory Pauley VP of Operations
 (Name, Title)
Gregory Pauley VP of Operations
 (Printed Name and Title)
PO Box 13533, Sissonville, WV 25360
 (Address)
304-343-5950 304-343-5961
 (Phone Number) / (Fax Number)
gpauley@astarabatement.com
 (email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Astar Abatement, Inc.
 (Company)

Gregory Pauley VP of Operations
 (Authorized Signature) (Representative Name, Title)

Gregory Pauley / VP of Operations
 (Printed Name and Title of Authorized Representative)

6/2/17
 (Date)

304-343-5950 304-343-5961
 (Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Astar Abatement, Inc.

Authorized Signature: [Signature] Date: 6/02/17

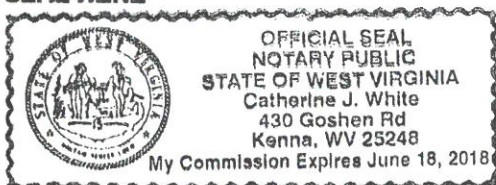
State of West Virginia

County of Jackson, to-wit:

Taken, subscribed, and sworn to before me this 2nd day of June, 2017

My Commission expires June 18, 2018.

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 08/01/2015)