



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: 176416

Doc Description: Williamstown AASF#1- Mold Remediation/Duct Cleaning

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-01-11	2016-02-16 13:30:00	CRFQ 0603 ADJ1600000017	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:



**INDOOR AIR TECHNOLOGIES**

33 W. Main Street Victor, NY 14564

Phone: 585-924-2010 Fax: 585-924-2135

02/23/16 09:19:25  
 \WV Purchasing Division

**FOR INFORMATION CONTACT THE BUYER**

Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

Signature X

FEIN #

16-1550919

DATE

2/17/16

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

ORIGINAL

**ADDITIONAL INFORMATION:**

THE STATE OF WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA ARMY NATIONAL GUARD'S CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE, IS SOLICITING BIDS TO ESTABLISH A ONE-TIME CONTRACT FOR LABOR, MATERIALS, AND ALL ASSOCIATED COSTS TO REMEDIATE MOLD AND CLEAN EXISTING DUCTWORK AT WILLIAMSTOWN AASF#1 FACILITY IN WILLIAMSTOWN, WV PER THE ATTACHED.

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Contract Item#1- Base Bid	1	Job	\$ 67,240.00	\$ 67,240.00

Comm Code	Manufacturer	Specification	Model #
76101604			

**Extended Description :**

Contract Item 1- Base Bid- Labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Contract Item#2- Alternate No. 1	1	Job	\$ 13,120.00	\$ 13,120.00

Comm Code	Manufacturer	Specification	Model #
76111602			

**Extended Description :**

Contract Item 2- Alternate No. 1- Ductwork cleaning, to clean ALL of the existing ductwork, per instructions.

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	MANDATORY PREBID MEETING	1/27/16 A 2:00 PM EST
2	VENDOR QUESTION DEADLINE	2/5/2016 A 2:00 PM EST

<b>ADJ1600000017</b>	<b>Document Phase</b> Final	<b>Document Description</b> Williamstown AASF#1- Mold Remediation/Duct Cleaning	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

EXHIBIT A

**RFQ# CRFQ ADJ160000017**

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO REMEDIATE MOLD IN THE HVAC SYSTEM AND CLEAN ALL DUCTWORK IN THE AASF # 1 FACILITY  
387 AVIATION DRIVE, WILLIAMSTOWN, WV 26187

**BID FORM**

The undersigned, hereafter called the Bidder, being familiar with and understanding the bidding documents; and being familiar with the site and all local conditions affecting the Project, hereby proposes to furnish labor, material, equipment, supplies, and transportation to perform the work as described in the bidding documents

BIDDERS COMPANY NAME: INDOOR AIR TECHNOLOGIES, INC.

VENDOR ADDRESS: 33 WEST MAIN STREET  
VICTOR, NY 14564

TELEPHONE: (585) 924-2010

FAX NUMBER: (585) 924-2135

E-MAIL ADDRESS: REBECCA@IAFCORPUSA.COM

WV CONTRACTOR'S LICENSE NO. WV042764

CONTRACT OVERALL TOTAL COST: BASE BID-CONTRACT ITEM NO. 1-Mold Remediation

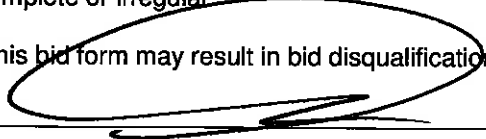
SIXTY SEVEN THOUSAND, TWO HUNDRED FORTY AND <sup>00</sup>/<sub>100</sub>  
(\$ 67,240.00 ) \*\*\* (Contract bid to be written in words and numbers.)

ALTERNATE NO. 1-CONTRACT ITEM NO. 2- Clean all ductwork in the facility:

THIRTEEN THOUSAND, ONE HUNDRED TWENTY AND <sup>00</sup>/<sub>100</sub>  
(\$ 13,120.00 ) \*\*\* (Contract bid to be written in words and numbers.)

The contract will be awarded to the Bidder with the lowest contract total BASE BID-CONTRACT ITEM NO. 1, meeting all of the specifications. ALTERNATE NO. 1-CONTRACT ITEM NO. 2- will be awarded only if funding is available. Owner reserves the right to accept or reject the Alternate Bid if the costs exceed the amount budgeted for the project. Bidder understands that to the extent allowed by the West Virginia Code, the OWNER reserves the right to waive any informality or irregularity in any bid, or bids, and to reject any and all bids in whole or in part; to reject a bid not accompanied by the required bid security or by other data required by the bidding documents; to reject any conditions of the bid by the Bidder that is any way inconsistent with the requirements, terms, and conditions of the bidding documents; or to reject a bid that is in any way incomplete or irregular

Failure to use this bid form may result in bid disqualification.

SIGNATURE:  DATE: 2/17/16

NAME: REBECCA S. MELTON  
(Please Print)

TITLE: PRESIDENT

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SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Army National Guard's Construction and Facilities Management Office to establish a contract for the purchase of labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1 facility in Williamstown, WV, per the attached specifications.
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 **"Contract Services"** means mold remediation and ductwork cleaning as more fully described in these specifications.
  - 2.2 **"Pricing Page"** means the pages, contained wvOASIS or attached hereto as Exhibit A, upon which Vendor should list its proposed price for the Contract Services.
  - 2.3 **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
3. **MANDATORY REQUIREMENTS:**
  - 3.1. **Mandatory Contract Services Requirements and Deliverables:** Contract Services must meet or exceed the mandatory requirements listed below.
    - 3.1.1. **Contract Item #1: BASE BID Labor, materials and all associated costs to remove/remediate mold and mildew in the HVAC system, including diffusers, ductwork and HVAC units themselves at the AASF#1 facility at Williamstown, WV:**
      - 3.1.1.1 Work shall be performed as specified herein and will include mold remediation; cleaning, removal and disposal of mold damaged or contaminated materials, treatment of the affected areas with an antimicrobial solution, and post remediation testing and certification of mold elimination.
        - 3.1.1.1.1 Contractor must provide, administer and maintain all required permits and fees to complete the work in accordance with these specifications.
        - 3.1.1.1.2 Contractor must perform construction preparatory operations to facilitate quality

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control including mobilization/demobilization of personnel, equipment, and materials together with coordinating storage facilities and staging areas as indicated.

- 3.1.1.1.3** ALL plans and specification shall be understood to include an “or equal” clause for any product listed in the documents.
- 3.1.1.2** Contractor must seal the affected areas from the remainder of the structure during removal to prevent the spread of microbial spores and/or debris.
- 3.1.1.3** Contractor must remove and dispose of all water and/or mold damaged building material, fixtures or domestic items.
- 3.1.1.4** All debris shall be promptly cleaned and sealed in an air tight manner. Any contaminated materials shall be handled in a manner so as to minimize the dispersion of mold spores throughout the building.
- 3.1.1.5** All remediated areas shall be cleaned using a disinfecting solution and vacuumed with a vacuum equipped with a High Efficiency Particulate Air (HEPA) filter.
- 3.1.1.6** Any remaining affected areas, such as wooden wall and/or roof joists, or the concrete slab floor are to be treated with an antimicrobial solution to kill any active growth, cleaned to remove microbial contamination, and treated with an antimicrobial paint or preservative to prevent any further microbial growth.
- 3.1.1.7** Contractor will be responsible for all post remediation testing and certification of mold elimination, and as well as any testing and monitoring required during the project.

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**3.1.2 Contract Item #2: ALTERNATE #1 Labor, materials and all associated costs to clean the ductwork at the AASF#1 facility at Williamstown, WV:**

**3.1.2.1** Contractor must clean all of the existing ductwork throughout the facility, please note, this item may be performed by a third party, under the supervision of and at the discretion of the general contractor. Contractor must field verify that ALL ductwork in the facility is included in their proposal.

**4. CONTRACT AWARD:**

**4.1. Contract Award:** The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest overall total cost for Contract Item #1 (Base Bid). Contract Item #2 Add Alternate #1 will be awarded only if funding is available. Owner reserves the right to accept or reject the Alternate Bid if the costs exceed the amount budgeted for the project.

**4.2. Pricing Page:** Vendor should complete the Pricing Page by providing a cost for each item that is listed. Vendor shall not modify the pricing pages by adding additional lines. Vendor is to submit pricing using the wvOASIS commodity lines if bidding electronically, modification of the wvOASIS commodity line pricing pages will result in bid disqualification.

Vendor should enter the information into the Pricing Pages or submit a bid through wvOASIS, if available, or as an electronic document.

- 5. PERFORMANCE:** Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency.
- 6. PAYMENT:** Agency shall pay, as shown on the Pricing Pages, for all Contract Services performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.
- 7. TRAVEL:** Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on Vendor's bid, but such costs will not be paid by the Agency separately.

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- 8. FACILITIES ACCESS:** Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:
- 8.1.** Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.
  - 8.2.** Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.
  - 8.3.** Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.
  - 8.4.** Anyone performing under this Contract will be subject to Agency's security protocol and procedures.
  - 8.5.** Vendor shall inform all staff of Agency's security protocol and procedures.
- 9. VENDOR DEFAULT:**
- 9.1.** The following shall be considered a vendor default under this Contract.
    - 9.1.1.** Failure to perform Contract Services in accordance with the requirements contained herein.
    - 9.1.2.** Failure to comply with other specifications and requirements contained herein.
    - 9.1.3.** Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
    - 9.1.4.** Failure to remedy deficient performance upon request.
  - 9.2.** The following remedies shall be available to Agency upon default.
    - 9.2.1.** Immediate cancellation of the Contract.
    - 9.2.2.** Immediate cancellation of one or more release orders issued under this Contract.
    - 9.2.3.** Any other remedies available in law or equity.
- 10. MISCELLANEOUS:**
- 10.1. 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.



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Contract Manager: REBECCA S. MELTON  
Telephone Number: (585) 924-2010  
Fax Number: (585) 924-2155  
Email Address: REBECCA@IATCORPUSA.COM

## 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:

January 27, 2016 at 10:30 AM EST

Williamstown AASF#1  
387 Aviation Drive  
Williamstown, WV 26187

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: **February 5, 2016 at 4:00 PM EST**

Submit Questions to: **Crystal Rink, Senior Buyer**  
2019 Washington Street, East  
Charleston, WV 25305  
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)  
Email: [Crystal.G.Rink@wv.gov](mailto:Crystal.G.Rink@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: Crystal Rink  
SOLICITATION NO.: CRFQ ADJ1600000017  
BID OPENING DATE: February 16, 2016  
BID OPENING TIME: 1:30 PM EST  
FAX NUMBER: 304-558-3970

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. Submission of a response to a request for proposal is not permitted in wvOASIS. 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: February 16, 2016 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 by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately opened and/or 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 if those documents are required with the bid.

**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 \_\_\_\_\_ and extends for a period of \_\_\_\_\_ 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 \_\_\_\_\_ successive one (1) year 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. 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 \_\_\_\_\_ 30 calendar \_\_\_\_\_ 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. 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.

**7. 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.

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

**BID BOND:** All Vendors shall furnish a 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 100% of contract value. 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.

**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.

**INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:

**Commercial General Liability Insurance:** In the amount of \$500,000.00  
\_\_\_\_\_ or more.

**Builders Risk Insurance:** In an amount equal to 100% of the amount of the 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 above.

**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.

Valid WV Contractor's License

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.

**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

N/A

for N/A

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. 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.

**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. 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.

**16. 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.

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

**18. 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.

**19. 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.

**20. PREVAILING WAGE:** Vendor shall be responsible for ensuring compliance with prevailing wage requirements and determining when prevailing wage requirements are applicable.

**21. 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.

**22. 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.

**23. 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.

**24. 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.

**25. 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.

**26. 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.

**27. 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.

**28. 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.

**29. 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/adm/purchase/privacy/default.html>.

**30. 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.

**31. 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.

**32. 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.

**33. 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.

**34. 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.

**35. 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.



**36. 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.

**37. 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.

**38. 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.

**39. 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.

**40. 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](mailto:purchasing.requisitions@wv.gov).

**41. 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.

**42. 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 heath, 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.

**43. 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: INDOOR AIR TECHNOLOGIES, INC.

Contractor's License No. WV 042764

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. SUBCONTRACTOR LIST SUBMISSION:** In accordance with W. Va. Code § 5-22-1, The apparent low bidder on a contract for the construction, alteration, decoration, painting or improvement of a new or existing building or structure valued at more than \$250,000.00 shall submit a list of all subcontractors who will perform more than \$25,000.00 of work on the project including labor and materials. This provision shall not apply to any other construction projects, such as highway, mine reclamation, water or sewer projects. Additionally, if no subcontractors who will perform more than \$25,000.00 of work are to be used to complete the project, it will be noted on the subcontractor list.

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

i. Bidder's name

ii. Name of each subcontractor

iii. License numbers as required by W. Va. Code § 21-11-1 et. seq.

iv. Notation that no subcontractor will be used to perform more than \$25,000.00 of work, when applicable

b. Submission. The completed subcontractor list shall be provided to the Purchasing Division within one business day of the opening of bids for review. Failure to submit the subcontractor list within one business day after the deadline for submitting bids shall result in disqualification of the bid.

c. 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

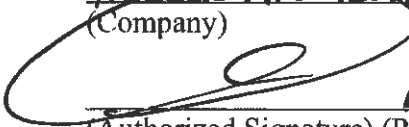
iii. The contractor certifies in writing that the subcontractor listed in the original bill fails, is unable, or refuses to perform his subcontract.

**6. 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.

**CERTIFICATION AND SIGNATURE PAGE**

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.

Indoor Air Technologies, Inc.  
(Company)

 REBECCA S. MELTON, PRESIDENT  
(Authorized Signature) (Representative Name, Title)

(585) 924-2010 / (585) 924-2155 2/17/16  
(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.: CRFQ ADJ1600000017

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)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> 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.

Indoor Air Technologies  
Company

Rebecca S. Melton  
Authorized Signature

2/22/16  
Date

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



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:**

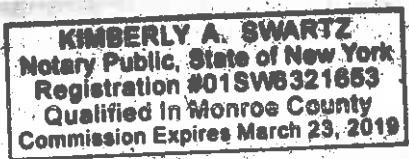
Vendor's Name: Innovor Air Technologies, Inc.  
Authorized Signatures: \_\_\_\_\_ Date: 2/18/16

State of New York  
County of Cattaraugus, to-wit:

Taken, subscribed, and sworn to before me this 18 day of February, 2016  
My Commission expires 3/23, 2019.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** [Signature]





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

NEW YORK  
~~STATE OF WEST VIRGINIA,~~  
COUNTY OF ONTARIO, TO-WIT:

I, REBECCA S. MELTON, after being first duly sworn, depose and state as follows:

1. I am an employee of INDOOR AIR TECHNOLOGIES; and,  
(Company Name)
2. I do hereby attest that INDOOR AIR TECHNOLOGIES  
(Company Name)

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

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

By: REBECCA S. MELTON  
 Title: PRESIDENT  
 Company Name: INDOOR AIR TECHNOLOGIES  
 Date: 2/18/16

Taken, subscribed and sworn to before me this 18 day of February, 2016.

By Commission expires 3/23/19

(Seal)

**KIMBERLY A. SWARTZ**  
 Notary Public, State of New York  
 Registration #01SW6321663  
 Qualified In Monroe County  
 Commission Expires March 23, 2019

K.A. Swartz  
 (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.**

State of West Virginia  
Purchasing Division

---

**CERTIFIED DRUG-FREE WORKPLACE REPORT COVERSHEET**

---

In accordance with *West Virginia 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. That report must include each of the items identified below in the Required Report Content section.

**Instructions:** Vendor should complete this coversheet, attach it to the required report, and submit it to the appropriate location as follows: For contracts more than \$25,000, the report should be mailed to the West Virginia Purchasing Division at 2019 Washington Street East, Charleston, WV 25305. For contracts of \$25,000 or less, the vendor should mail the report to the public authority issuing the contract.

**Contract Identification:**

Contract Number: \_\_\_\_\_

Contract Purpose: \_\_\_\_\_

Agency Requesting Work: \_\_\_\_\_

**Required Report Content:** The attached report must include each of the items listed below. The vendor should check each box as an indication that the required information has been included in the attached report.

- Information indicating the education and training service to the requirements of *West Virginia Code* § 21-1D-5 was provided;
- Name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- Average number of employees in connection with the construction on the public improvement;
- 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 Contact information:**

Vendor Name: \_\_\_\_\_

Vendor Telephone: \_\_\_\_\_

Vendor Address: \_\_\_\_\_

Vendor Fax: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

SEE ATTACHED  
CERTIFIED CHECK

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

**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 Obligor, 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 Obligees 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 \_\_\_\_\_ (Q)  
(Name of Principal)

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

\_\_\_\_\_ (T)  
Title

Surety Seal \_\_\_\_\_ (U)  
(Name of Surety)

\_\_\_\_\_ (W)  
Attorney-in-Fact

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

**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.

SEE ATTACHED  
CERTIFIED CHECK

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 Obligee, 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 Obligee 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.**



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).



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: 176416

Doc Description: Addendum 1 Williamstown AASF1 Mold Remediation/Duct Cleaning

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-02-02	2016-02-23 13:30:00	CRFQ 0603 ADJ1600000017	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:



**INDOOR AIR TECHNOLOGIES**

33 W. Main Street Victor, NY 14564

Phone: 585-924-2010 Fax: 585-924-2135

**FOR INFORMATION CONTACT THE BUYER**

Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

Signature X

FEIN #

16-1550919

DATE

2/18/16

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

ADDITIONAL INFORMATION:

THE STATE OF WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA ARMY NATIONAL GUARD'S CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE, IS SOLICITING BIDS TO ESTABLISH A ONE-TIME CONTRACT FOR LABOR, MATERIALS, AND ALL ASSOCIATED COSTS TO REMEDIATE MOLD AND CLEAN EXISTING DUCTWORK AT WILLIAMSTOWN AASF#1 FACILITY IN WILLIAMSTOWN, WV PER THE ATTACHED.

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Contract Item#1- Base Bid	0.00000			\$ 67,240.00

Comm Code	Manufacturer	Specification	Model #
76101604			

Extended Description :

Contract Item 1- Base Bid- Labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Contract Item#2- Alternate No. 1	0.00000			\$ 13,120.00

Comm Code	Manufacturer	Specification	Model #
76111602			

Extended Description :

Contract Item 2- Alternate No. 1- Ductwork cleaning, to clean ALL of the existing ductwork, per instructions.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	MANDATORY PREBID MEETING	1/27/16 AT 10:30 AM EST
2	VENDOR QUESTION DEADLINE	2/5/2016 AT 4:00 PM EST



ADJ160000017	<b>Document Phase</b> Draft	<b>Document Description</b> Addendum 1 Williamstown AASF1 Mold Remediation/Duct Cleaning	<b>Page 3</b> of 3
--------------	--------------------------------	--	-----------------------

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**SOLICITATION NUMBER:** CRFQ ADJ1600000017

**Addendum Number:** 1

---

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

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

1. To move the bid opening date for this solicitation to February 23, 2016.
2. To move/extend the technical question submission deadline to 4:00pm on February 11, 2016.
3. To provide copies of the Pre-bid meeting sign-in sheets, see attached.
4. To provide a copy of the testing report that was performed at this facility which identified the mold problem.
5. To provide Addendum Acknowledgment form.

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

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

# ATTACHMENT A

Williamstown AASF#1

PLEASE PRINT

Date: 27 Jan 2016

Mold Remediation/Duct Cleaning

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

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Astech CORP</u>	<u>3400 Falcon Dr</u>	PHONE <u>304-342-0545</u>
Rep: <u>DENVER DAVIS</u>	<u>Charleston WV 25312</u>	TOLL FREE
Email Address: <u>astech50@hotmail.com</u>		FAX
Company: <u>Stanley Steemer</u>	<u>120 Bayre Rd</u>	PHONE <u>540-380-3662</u>
Rep: <u>Jason Fender</u>	<u>Salem, VA 24153</u>	TOLL FREE
Email Address: _____	<u>also, 520 16th St.</u> <u>Dunbar, WV 25064</u>	FAX <u>1-540-380-3631</u>
Company: <u>Air Duct Solutions</u>	<u>2418 Deerfield Ct</u>	PHONE <u>540-650-1965</u>
Rep: <u>Daniel Bowman</u>	<u>Roanoke, VA 24014</u>	TOLL FREE
Email Address: <u>daniel.bowman@airductsolutionsllc.com</u>		FAX
Company: <u>I.AT</u>	<u>33 W Main St</u>	PHONE <u>(585) 924-2010</u>
Rep: <u>Ed Hernandez</u>	<u>Victor, N.Y. 14564</u>	TOLL FREE
Email Address: <u>edward@iatcorpusa.com</u>		FAX <u>(585) 924-2135</u>
Company: <u>CFMU</u>	<u>1707 Coarstein Dr</u>	PHONE <u>304-561-6452</u>
Rep: <u>Timothy D. Frazier</u>	<u>Charleston, WV 25311</u>	TOLL FREE
Email Address: <u>timothy.d.frazier@cfmu.com</u>		FAX <u>304 561-6344</u>

SIGN IN SHEET

Williamstown AASF#1

PLEASE PRINT

Date: 27 Jan 2016

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

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: Astech Rep: James James Email Address: cstech5@aol.com		PHONE 301-347-0545 TOLL FREE FAX
Company: AASF#1 Rep: Ron Snyder Email Address: Aifwikir@gmail.com		PHONE 304 468 2045 TOLL FREE FAX
Company: CFMO Rep: Dean Wingard Email Address: clauda.d.wingard@cfmo.com	1707 Constitution Drive Charleston WV 25311	PHONE 304-561-6629 TOLL FREE FAX
Company: Morrison Inc Rep: PETE SALIBA Email Address: pete.saliba@morrisonhvac.com	410 Colegate Dr. Marietta, OH	PHONE 304-494-6170 TOLL FREE 800-477-1468 FAX 740-373-6319
Company: ASTAR ABATEMERT INC Rep: Dan Morris Email Address: LPAUCLEY@ASTARABATEMERT.COM	539 KNAUTH TOWN RD CHARLESTON, WV 25312	PHONE 304-343-5950 TOLL FREE FAX 304-343-5961

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

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Servpro</u> Rep: <u>Tim McDaniel</u> Email Address: <u>T. McDaniel @ servpro</u>	<u>7 Poverty Lane</u> <u>Nitro WV 25143</u> <u>9835.com</u>	PHONE <u>304-542-9257</u> TOLL FREE FAX <u>304-755-9518</u>
Company: <u>Servpro</u> Rep: <u>Lewis Moore</u> Email Address: <u>L.moore@servpro</u>	<u>7 Poverty Lane</u> <u>Nitro WV 25143</u> <u>9835.com</u>	PHONE <u>304-542-9252</u> TOLL FREE FAX <u>304-755-9518</u>
Company: <u>West Virginia Army Hq</u> Rep: <u>AASF1</u> Email Address: <u>harold.l.campbell@army.mil</u>	<u>387 Auction Drive</u> <u>Williamstown WV 26187</u>	PHONE <u>304-482-3300</u> TOLL FREE FAX
Company: _____ Rep: _____ Email Address: _____	_____ _____ _____	PHONE TOLL FREE FAX
Company: _____ Rep: _____ Email Address: _____	_____ _____ _____	PHONE TOLL FREE FAX



**Lewis Moore**  
Production Manager  
SERVPRO® of N. Kanawha Valley  
SERVPRO® of Teays Valley  
7 Poverty Lane  
Nitro, West Virginia 25143  
Business: (304) 343-6170  
Business: (304) 755-9510  
Mobile: (304) 542-9252  
L.Moore@servpro9835.com

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INDOOR AIR TECHNOLOGIES  
"Protecting the Quality of the Air You Breathe"

**Edward Hernandez**  
Lead Commercial Estimator

33 West Main St., Victor, NY 14564  
Phone: 585-824-2010  
Fax: 585-824-2135  
Mobile: 585-509-0555

33 West Main St., Victor, NY 14564  
Phone: 585-824-2010  
Fax: 585-824-2135  
Mobile: 585-509-0555

NADCA



**Tim McDaniel**  
Restoration Specialist  
SERVPRO® of N. Kanawha Valley  
SERVPRO® of Teays Valley  
7 Poverty Lane  
Nitro, West Virginia 25143  
Business: (304) 343-6170  
Business: (304) 755-9510  
Mobile: (304) 542-9257  
T.McDaniel@servpro9835.com

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## Astech Corporation

Asbestos Abatement    Mold Remediation    U.S.T. Removals  
Lead Removal    Contaminated Soils    Demolition

3400 Falcon Drive  
Charleston, West Virginia 25312

**DEREK DAVIS**  
President

(304) 342-0545  
Mobile: (304) 549-5050  
Email: astech50@hotmail.com



## Environmental Report

Report Date:  
**9/4/15**

Project Number:  
**15-446**

Fungal Amplification:

Client:  
**WV Army National  
Guard  
1707 Coonskin Drive  
Charleston, WV 25311**

Property Address:  
**387 Aviation Drive  
Williamstown, WV 26187**

- Yes
- No
- Reportedly Allergenic
- Reportedly Pathogenic
- Reportedly Toxigenic

### SYNOPSIS

Mr. Timothy Hersman representing the West Virginia Army National Guard requested mold air and surface sampling for the structure at 387 Aviation Drive in Williamstown, WV, to determine if an interior mold amplification problem exists. Astar performed the inspection on August 24, 2015. A total of ten (10) air samples and nine (9) swab samples were taken. The laboratory results concluded a mold amplification problem does exist within the structure.

**IMPORTANT:** Astar always recommends installation of containment prior to remediation. Failure to install and maintain adequate remediation area containment often leads to the distribution of fungal spores to areas previously unaffected. Accordingly, Astar emphasizes the importance of employing experienced professionals to address all fungal remediation efforts.

Michael G. Pauley 9/8/15  
Environmental Inspector Date  
Michael G. Pauley

Robert Slator 9/8/15  
Peer Review Date

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## Appendices

<b>Appendix</b>	<b>Title</b>
Appendix 1	Laboratory Results
Appendix 2	Glossary



## **Section 1 – Executive Summary**

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

### **Airborne Concentrations**

Astar collected ten (10) air specimens along with nine(9) swab samples outside and inside the structure.

The collected samples were forwarded to EMLab P&K for analysis. The inside and outside concentrations were compared. Appendix I presents a synopsis of the laboratory data sorted by genus/classification.

### **Observations:**

Upon inspection the following conditions were observed:

- Visible growth on HVAC diffusers.
- Visible growth on HVAC units.
- Visible growth on wall in Control Room (Appeared to be caused by condensation from duct work).
- Visible growth on ceiling tiles (Appeared to be caused by condensation from duct work).

The conditions causing the condensation should be remedied before any remediation efforts take place.

### **Conclusions:**

The data indicates an amplification of mold spores for the interior of the structure. See Section 6 - Remediation Recommendations for recommendations.



## Section 2 – Scope of Work

In response to a request from Mr. Timothy Hersman representing the WV Army National Guard, Astar conducted a limited environmental inspection of the property on August 24, 2015.

**The purpose of the inspection was to determine if airborne fungal amplification was indicated within the structure at the time of our inspection.** Samples were collected both inside and outside the building. The results from the inside samples were compared against the results of the outside sample(s).

This report represents the results from a limited inspection performed in accordance with specific instructions, directions and testing protocols upon by the owner and Astar. Fungal specimens are collected in accordance with written procedures, approved by the ACGIH.

The levels of airborne fungal particles can fluctuate greatly depending on the weather (season), humidity, air movement, and other activities within the environment. No other testing was conducted on this property for the purposes of determining the possible location, presence or distribution of mold or fungal growth.

The laboratory analysis data from this air sampling represents the conditions that existed at the property, at the specific location(s) sampled, only at the time of the sampling and shall not be construed as representing or predicting conditions that may exist at a later date. Air samples are considered “snapshots-in-time” of the fungal presence in the air at the time and location of the sampling. Because of the limitations of this inspection, the laboratory results, as presented in this report, may not represent all the conditions extant at the time of the testing.

This report or any statements or information contained herein shall not be interpreted to imply any conclusions or opinions related in any manner as to whether any potential health risks to individuals exposed to the building environments were or were not present at the time of our inspection or may or may not develop at some time in the future. Furthermore, this report or any statements or information contained herein shall not be interpreted as validation of the adequacy or completeness of the mold remediation efforts that may have been performed by others. Information regarding the mold remediation that may have been conducted on this property should be obtained from the owner/seller.

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

### **Indemnification:**

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



### Section 3

#### Definitions of Terms, Abbreviations, and Symbols:

**Cause-and-Origin:** Cause-and-origin is an industry term used to describe a set of conditions and/or events that promoted or triggered an undesirable effect. For the purposes of this report, that undesirable effect is defined as fungal amplification and/or verified fungal presence. Determination of cause-and-origin requires application of a rigorous investigative procedure.

**Fungal Amplification:** A rise in indoor airborne spore counts as compared against the airborne spore counts outside the building that indicates a fungal reservoir(s) may currently exist, or may have been present at an earlier time.

Determination of fungal amplification is a complex process requiring several steps. Visual inspection, specimen collection, laboratory analysis, data review and statistical analysis, all play a role in determining if fungal amplification is indicated. In all cases where analysis of airborne spore concentrations is the objective, a baseline of ambient airborne spore concentrations must be established for comparison. This baseline specimen is generally collected from outside near the entrance to the building or near the source of intake air for the HVAC system. The laboratory analysis data from the baseline specimen(s) is compared to the data from other areas employing a combination of industry guidelines, statistical analysis and professional competence to determine if amplification of airborne fungal spores was indicated.

**Fungal Reservoir:** A fungal reservoir is an area that exhibits a set of conditions that may promote biological growth. The set of conditions consists of three elements, a source of food, a source of moisture and a favorable ambient temperature.

< (Left Pointer): Less than...

**Remediation Recommended:** By third party definition, remediation is recommended only when amplification was conclusively indicated by the analysis of the collected air samples (to the expressed exclusion of all other evidence, whether existing or absent).

— (Three Hyphens): In a table, denotes that the entry is "Not Applicable".

/ (Virgule): For the purpose of this report, the virgule is interpreted as "one or the other or all".

ACGIH: American Conference of Governmental Industrial Hygienists



#### **Section 4 – Data Collection and Analysis**

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

##### **Laboratory Requirements**

A microbial laboratory experienced in the analysis of biological agents and maintaining traceable quality control documentation is necessary to establish a reliable chain of evidence. The laboratory shall successfully participate in the American Industrial Hygiene Association (AIHA), Environmental Microbiology Laboratory Accreditation Program.

##### **Summary of Data Collection and Analysis**

Astar collects airborne spore trap specimens.

The specimens are packaged, along with the appropriate Chain of Custody forms, and forwarded by commercial carrier to an industry accredited laboratory. The laboratory microscopically examines the media, and reports the classification and concentration of fungal spores present on the media. Following receipt of the laboratory reports, Astar applies a number of analysis processes to the data and reports the conclusions as given in this document.

In order to provide a benchmark for analysis and remediation recommendations, air samples must be collected from the immediate area outside the structure. With the exception of specific enclosures designed for sterile functions, it cannot be expected that the indoor environment exhibit a significantly lower concentration of airborne fungal spores than those present in the immediate outdoor environment; however, the indoor environment should be, at a minimum, statistically equivalent both in relative spore counts and percentages. For additional information on sample collection, data analysis and interpretation the reader is referred to *Bioaerosols, Assessment and Control*, ACGIH 1999.

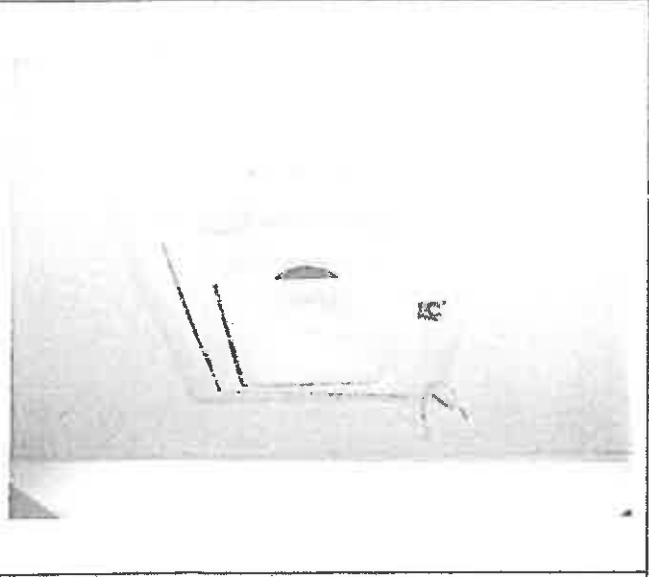


**Section 5 – Photographs**

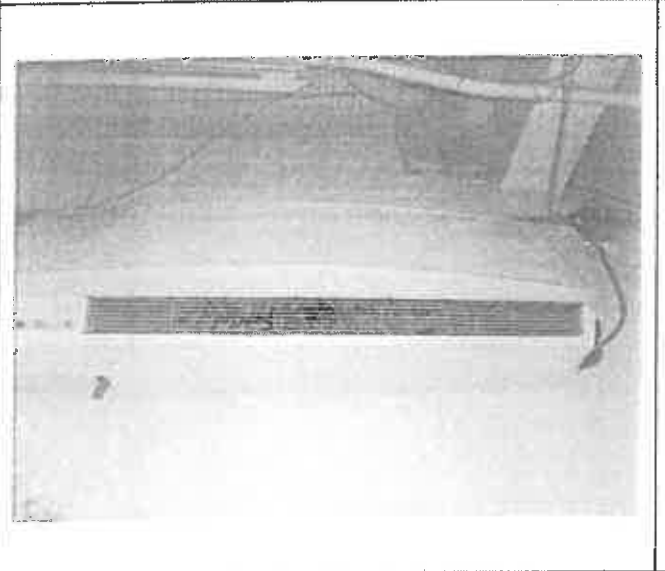
**ASTAR ABATEMENT, INC**  
*Quality Safety Reliability*



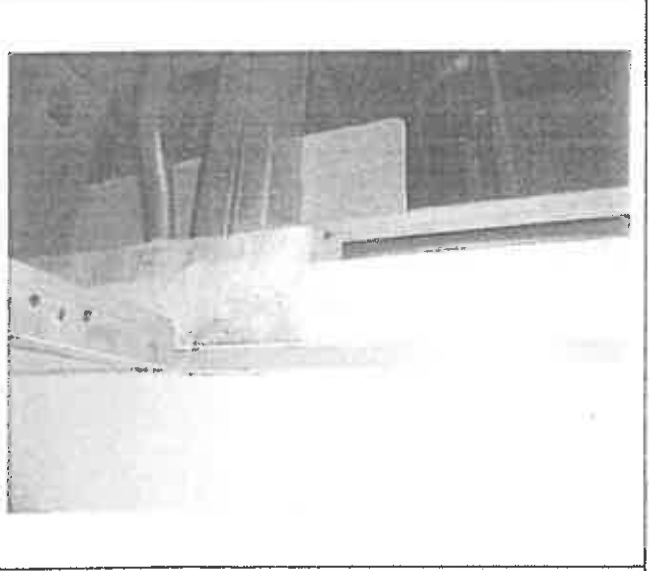
**Front View of Structure**



**Diffuser in Office area with Visible Growth**

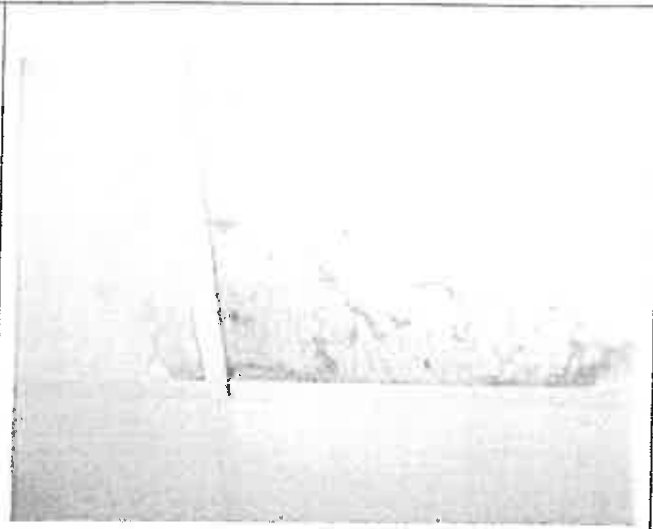
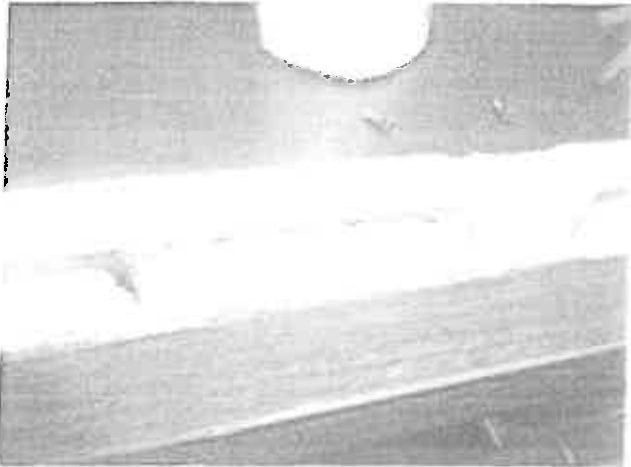


**Wall Unit with Visible Growth**



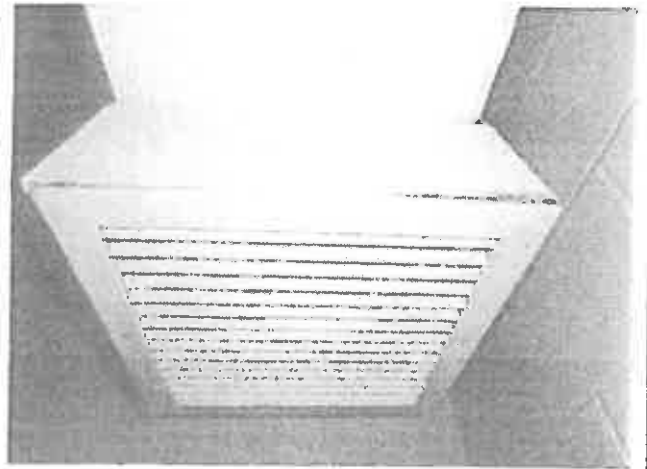
**Mold Growth Above Ceiling in Operations Room**

**ASTAR ABATEMENT, INC**  
*Quality Safety Reliability*



**Visible Mold Growth on Disassembled Wall Unit**

**Visible Mold Growth on Ceiling Tiles**



**Sample Area in GSE Building**

**Diffuser in Men's Restroom**





## Section 6 – Remediation Recommendations

The following remediation recommendations are based upon the information obtained by our current inspection. The remediation process may expose additional areas requiring treatment. These recommendations do not consider, and are independent of, any remedies necessary to repair any structural or foundation damage that may exist in the structure.

**All remedial intervention should be performed by qualified personnel experienced with the microbial remediation procedures and protocols, including but not limited to, IICRC S520, Standard and Reference Guide for Professional Mold Remediation and/or New York City Department of Health and Mental Hygiene, Guidelines on Assessment and Remediation of Fungi in Indoor Environments. Local regulatory requirements may supersede the above references and should be consulted prior to commencement of work.**

For additional information concerning the *IICRC S520, Standard and Reference Guide for Professional Mold Remediation*, see: <http://www.iicrc.org/s520info.htm>

For additional information concerning the New York City Department of Health and Mental Hygiene, *Guidelines on Assessment and Remediation of Fungi in Indoor Environment*, see: <http://www.nyc.gov/html/doh/html/epi/moldrpt1.shtml>

For additional information concerning fungal growth in buildings see: <http://www.osha.gov/SLTC/molds/standards.html>

All individuals that may be exposed to the indoor air of a structure should employ, at a minimum, all precautions and recommendations as described by the above referenced documents.

### Minimum Remediation Recommendations:

1. Adequate work area containment **should** be installed prior to commencement of remediation. Containment shall be properly maintained and remain in place until after the area has been successfully reevaluated. An on-site log should be maintained, listing the date, time of arrival and departure of all individuals accessing the contained area(s). Failure to install and maintain adequate remediation area containment often leads to distribution of fungal spores to areas previously unaffected and/or failed remediation efforts.
2. All existing conditions that have contributed to the establishment of fungal reservoirs (cause-and-origin) within the building must be remedied either before, or concurrent with, remediation efforts. Identification of cause-and-origin and total extent of the affected area is a part of the scope-of-work of the remediation effort. The repair of conditions that allow water intrusion and/or high humidity levels is mandatory for successful remediation. Failure to correct circumstances that promote biological growth will lead to a failed remediation program.
3. Bag and relocate to a separate contained area all removable articles, including, but not limited to, furniture, clothing, drapery, and other free standing items. HEPA vacuum and clean all removed articles. DO NOT return cleaned items to previous areas until those areas have been successfully reevaluated. Any articles that cannot be cleaned shall be properly disposed.



4. At a minimum all visible fungi must be removed (from diffusers, duct work, and HVAC units themselves), including substrate material that cannot be cleaned. Areas that have developed fungal growth should be cleaned and treated with a biocide and/or a biocide encapsulant.
5. Air scrubbers should be utilized in the areas to remove mold spores that are currently in the air.
6. Successful remediation shall include reduction of airborne spore counts to below amplification indicator levels.



## **Section 7 – Probable Cause Issues and Responsibilities**

### **Probable Cause Issues**

Fungal spores are normally present in the fungal biota of any uncontrolled environment. In addition to the presence of fungal spores, fungal growth, active proliferation of the fungal organism, requires a minimum of three environmental elements. Those elements are:

1. An ambient temperature favorable to fungal growth. Fungi can survive, dependent on genus or species, at extreme temperatures. Therefore, a favorable temperature is considered ubiquitous.
2. A source of food. Most fungi found in buildings metabolize cellulose products. Wood, paper, some plastics, etc., are potential food sources and are also ubiquitous.
3. A source of moisture. While the first two elements described above are ubiquitous, the presence of moisture is most often the element that is responsible for triggering fungal growth. Moisture may be present as a result of an abnormal water intrusion event, high levels of humidity, plumbing leaks, ducts or pipes sweating, etc.

Because temperature and the availability of a food source are elements that are not practically eliminated from the environment, isolation and identification of the moisture source is generally pursued to establish cause-and-origin.

Although “common sense” evaluations are sometimes used to assess cause-and-origin issues (source of moisture), irrefutably identifying and specifying the cause-and-origin of a verified fungal presence is a complex task often requiring the services of a team of professionals, Plumbing reports; structural evaluations; HVAC system sizing and operational assessment, water usage records, reviews of property drainage conditions over time; occupant interviews; histories of insurance claims; examination of fire department records, etc. are commonly required to complete such an evaluation.

### **Responsibilities**

Defining cause-and-origin and total affected area was beyond the scope of our inspection; consequently, identification of cause-and-origin and total affected area becomes a part of the scope of work of the remediation effort. Individuals or entities with a need to identify definitive cause-and-origin issues are urged to employ all appropriate investigative recourses.



# Appendix 1

## Laboratory Results



Report for:

**Mr. Michael Pauley**  
**Astar Abatement, Inc.**  
539 Kanawha Two Mile Rd.  
Charleston, WV 25312

---

Regarding:      Project: 15-446; WV Army Nat. Guard  
                         EML ID: 1413918

Approved by:

Dates of Analysis:  
Spore trap analysis: 08-27-2015

Technical Manager  
Ariunaa Jaisrai

Service SOPs: Spore trap analysis (EM-MY-S-1038)  
AIHA-LAP, LLC accredited service, Lab ID #103005

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Astar Abatement, Inc.  
C/O: Mr. Michael Pauley  
Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
Date of Receipt: 08-25-2015  
Date of Report: 08-27-2015

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	446-1: Hall- Rm 127 First Floor		446-2: Supply Rm Rm 116- First Floor		446-3: QC Office Rm 106- First Floor		446-4: Operations Rm 204- 2 Second Floor	
Comments (see below)	None		None		None		None	
Lab ID-Version†:	6510496-1		6510497-1		6510498-1		6510499-1	
Analysis Date:	08/27/2015		08/27/2015		08/27/2015		08/27/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
<i>Alternaria</i>								
Ascospores	20	530	12	320	8	210	3	80
Basidiospores	30	800	24	640	16	430	15	400
<i>Bipolaris/Drechslera</i> group	2	13						
<i>Chaetomium</i>								
<i>Cladosporium</i>	12	320	3	80	3	80		
<i>Curvularia</i>	30	200	1	7	1	7	3	20
<i>Epicoccum</i>	10	67						
<i>Ganoderma</i>								
<i>Nigrospora</i>	1	7						
<i>Penicillium/Aspergillus</i> types†	16	430	3	80	3	80	4	110
<i>Pithomyces</i>	75	500	11	73	11	73	26	170
<i>Polythrincium</i>	1	7						
Rusts								
Smuts, <i>Periconia</i> , <i>Myxomycetes</i>					1	7	2	13
<i>Stachybotrys</i>								
<i>Stemphylium</i>								
<i>Torula</i>								
<i>Ulocladium</i>								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	27		13		<7		20	
Pollen/m3	27		7		<7		7	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	150		150		150		150	
<b>§ TOTAL SPORES/m3</b>		<b>2,900</b>		<b>1,200</b>		<b>890</b>		<b>790</b>

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Astar Abatement, Inc.  
C/O: Mr. Michael Pauley  
Re: 15-446; WV Army Nat. GuardDate of Sampling: 08-24-2015  
Date of Receipt: 08-25-2015  
Date of Report: 08-27-2015**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	446-5: Mens Rm Rm 219 Second Floor		446-6: Office Rm 228 Second Floor		446-07: GSE Building		446-08: Ladies Room Rm 216 Second Floor	
Comments (see below)	None		None		None		None	
Lab ID-Version†:	6510500-1		6510501-1		6510502-1		6510503-1	
Analysis Date:	08/27/2015		08/27/2015		08/27/2015		08/27/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	7			2	13	1	7
Ascospores	1	27	4	110	7	190	3	80
Basidiospores	11	290	10	270	22	590	15	400
Bipolaris/Drechslera group			1	7				
Chaetomium								
Cladosporium	1	27			7	190	3	80
Curvularia	2	13	12	80	7	47	6	40
Epicoccum			5	33	5	33		
Ganoderma								
Nigrospora					2	13		
Penicillium/Aspergillus types†	5	130	5	130	13	350	12	320
Pithomyces	11	73	38	250	53	350	44	290
Polythrincium								
Rusts								
Smuts, Periconia, Myxomycetes	3	20	1	7	23	150	16	110
Stachybotrys								
Stemphylium								
Torula					1	7		
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	20		40		13		13	
Pollen/m3	<7		<7		40		13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	150		150		150		150	
<b>§ TOTAL SPORES/m3</b>		<b>590</b>		<b>890</b>		<b>1,900</b>		<b>1,300</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Astar Abatement, Inc.  
C/O: Mr. Michael Pauley  
Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
Date of Receipt: 08-25-2015  
Date of Report: 08-27-2015

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	446-09: Outside		446-10: Blank	
Comments (see below)	None		None	
Lab ID-Version†:	6510504-1		6510505-1	
Analysis Date:	08/27/2015		08/27/2015	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	20		
Ascospores	41	1,100		
Basidiospores	98	5,400		
Bipolaris/Drechslera group	6	40		
Chaetomium				
Cladosporium	52	1,400		
Curvularia	12	80		
Epicoccum	2	13		
Ganoderma	5	130		
Nigrospora	2	13		
Other colorless				
Penicillium/Aspergillus types†				
Pithomyces	142	950		
Polythrincium	1	7		
Rusts	1	7		
Smuts, Periconia, Myxomycetes	4	27		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		None	
Hyphal fragments/m3	33		N/A	
Pollen/m3	60		N/A	
Skin cells (1-4+)	< 1+		None	
Sample volume (liters)	150		0	
<b>§ TOTAL SPORES/m3</b>		<b>9.200</b>		<b>N/A</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.





**EMLab P&K**  
A TestAmerica Company

Report for:

**Mr. Michael Pauley**  
**Astar Abatement, Inc.**  
539 Kanawha Two Mile Rd.  
Charleston, WV 25312

---

Regarding:      Project: 15-446; WV Army Nat. Guard  
                         EML ID: 1413918

Approved by:

Dates of Analysis:  
Direct microscopic exam (Qualitative): 08-27-2015

Technical Manager  
Ariunaa Jalsrai

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039)  
AIHA-LAP, LLC accredited service, Lab ID #103005

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**DIRECT MICROSCOPIC EXAMINATION REPORT**

Location:	446-501: Rm 127 First Floor	446-502: Rm 116 Supply Rm	446-503: QC Off. Rm 106
Sample type:	Swab sample	Swab sample	Swab sample
Lab ID-Version†:	6510488-1	6510489-1	6510490-1
Analysis Date:	08/27/2015	08/27/2015	08/27/2015
<b>MOLD/FUNGAL GROWTH*: Molds seen growing with underlying mycelial and/or sporulating structures</b>			
Acremonium			
Alternaria			
Aureobasidium			
Basidiospores			
Chaetomium			
Cladosporium		4+	
Colorless spores typical of Penicillium / Aspergillus			
Fusarium			
Other colorless, ID unknown			
Stachybotrys			
Torula			
Ulocladium			
Miscellaneous spores**	Few	Few	Very few
Other comments†	None	None	None
Background debris or Description††	Moderate	Moderate	Moderate
General impression	Normal trapping	Mold growth	Normal trapping

\* See Mold/Fungal Growth Details table on the last page.

\*\* See Miscellaneous Spores table on the last page.

† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

†† Background debris is an indication of the amounts of non biological particulate matter present. This background amorphous material is graded and described as scant, light, moderate, heavy, or very heavy. (Very heavy background debris may obscure visibility.)

Fungal types listed without a growth rating or data entry were not detected during the course of the analysis for the respective sample.

Interpretation is left to the company and/or persons who conducted the field work.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
 The limit of detection is < 1+ when mold growth is detected.

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**DIRECT MICROSCOPIC EXAMINATION REPORT**

Location:	446-504: Operations Rm 204-2 Second Floor	446-505: Mens Rm Rm 219 Second Floor	446-506: Office Rm 228 Second Floor
Sample type:	Swab sample	Swab sample	Swab sample
Lab ID-Version‡:	6510491-1	6510492-1	6510493-1
Analysis Date:	08/27/2015	08/27/2015	08/27/2015
<b>MOLD/FUNGAL GROWTH*: Molds seen growing with underlying mycelial and/or sporulating structures</b>			
Acremonium			
Alternaria	3+		
Aureobasidium			
Basidiospores			
Chaetomium			
Cladosporium	1+		
Colorless spores typical of Penicillium / Aspergillus			
Fusarium			
Other colorless, ID unknown			
Pithomyces	3+		
Stachybotrys	3+		
Torula			
Ulocladium			
Miscellaneous spores**	Variety	Very few	Few
Other comments†	None	None	None
Background debris or Description††	Moderate	Moderate	Moderate
General impression	Mold growth	Normal trapping	Normal trapping

\* See Mold/Fungal Growth Details table on the last page.

\*\* See Miscellaneous Spores table on the last page.

† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

†† Background debris is an indication of the amounts of non biological particulate matter present. This background amorphous material is graded and described as scant, light, moderate, heavy, or very heavy. (Very heavy background debris may obscure visibility.)

Fungal types listed without a growth rating or data entry were not detected during the course of the analysis for the respective sample.

Interpretation is left to the company and/or persons who conducted the field work.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
 The limit of detection is < 1+ when mold growth is detected.

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**DIRECT MICROSCOPIC EXAMINATION REPORT**

Location:	446-507: GSE Building	446-508: Hallway by Ladies Room
Sample type:	Swab sample	Swab sample
Lab ID-Version†:	6510494-1	6510495-1
Analysis Date:	08/27/2015	08/27/2015
<b>MOLD/FUNGAL GROWTH*:</b> Molds seen growing with underlying mycelial and/or sporulating structures		
Acremonium		
Alternaria		
Aureobasidium		
Basidiospores		
Chaetomium		
Cladosporium	4+	
Colorless spores typical of Penicillium / Aspergillus		
Fusarium		
Other colorless, ID unknown		
Stachybotrys		
Torula		
Ulocladium		
Miscellaneous spores**	Few	Few
Other comments†	None	None
Background debris or Description††	Moderate	Moderate
General impression	Mold growth	Normal trapping

\* See Mold/Fungal Growth Details table on the last page.

\*\* See Miscellaneous Spores table on the last page.

† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

†† Background debris is an indication of the amounts of non biological particulate matter present. This background amorphous material is graded and described as scant, light, moderate, heavy, or very heavy. (Very heavy background debris may obscure visibility.)

Fungal types listed without a growth rating or data entry were not detected during the course of the analysis for the respective sample.

Interpretation is left to the company and/or persons who conducted the field work.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
 The limit of detection is < 1+ when mold growth is detected.

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**Mold/Fungal Growth Rating Details**

Growth Rating	Quantities of molds indicating growth are listed in the MOLD/FUNGAL GROWTH section. Judgement is used in determining the amount of growth present in the sample. For example, if only one portion of the sample has evidence of heavy growth, then it will receive a rating of heavy growth even though, strictly speaking, on a percentage basis of the entire sample, the amount of growth is low.	
	Swab/Tape/Dust/Wipe sample	Bulk Sample
< 1+ (Very Light Growth)	Evidence of very light growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in less than 10% of the microscopic fields examined.	Areas of very light growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.
1+ (Light Growth)	Evidence of light growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 10 to 25% of the microscopic fields examined.	Areas of light growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.
2+ (Moderate Growth)	Evidence of moderate growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 26 to 50% of the microscopic fields examined.	Areas of moderate growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.
3+ (Heavy Growth)	Evidence of heavy growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found in 51 to 75% of the microscopic fields examined.	Areas of heavy growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.
4+ (Very Heavy Growth)	Evidence of very heavy growth observed on the sample as indicated by spores of one type seen with underlying mycelial and/or with their sporulating structures found to be nearly confluent in the majority of the microscopic fields examined.	Areas of very heavy growth detected by the presence of spores of one type seen with underlying mycelial and/or with their sporulating structures in the bulk sample.

**Miscellaneous Spores**

Slides/specimens are examined for the presence of mold spores and pollen, noting the quantities and distribution of spore types found. A designation of 'normal trapping' is made when a mix of spore types is present with the same general distribution as is usually found outdoors. In other words, the biological component of the sample surface is like that found everywhere. Types of spores present would include basidiospores (mushroom spores), myxomycetes (slime molds), plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Many of these spore types would not be found growing indoors on building materials since many plant pathogens require living plants for growth, and mushrooms require compost, leaf duff of various types, or associations with roots of certain trees, etc. Due to these factors, when a mix of spores seen include these types as well as pollen, the rational source is the outside air, rather than indoor mold growth. The numbers of miscellaneous spores seen are graded and described as shown below as none, very few, few, variety, and wide variety.

None	Very Few	Few	Variety	Wide Variety
No spores detected	Very few spores detected	A few spores detected	Many spores containing a variety of different genera detected	Many spores containing a wide variety of different genera detected

Client: Astar Abatement, Inc.  
C/O: Mr. Michael Pauley  
Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
Date of Receipt: 08-25-2015  
Date of Report: 08-27-2015

**MoldRANGE™: Extended Outdoor Comparison**

**Outdoor Location: 446-09, Outside**

Fungi Identified	Outdoor data	Typical Outdoor Data for: August in West Virginia† (n‡=154)						Typical Outdoor Data for: The entire year in West Virginia† (n‡=1513)					
		spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high
<b>Generally able to grow indoors*</b>													
Alternaria	20	13	13	33	100	160	71	7	13	27	80	130	49
Bipolaris/Drechslera group	40	7	7	13	26	40	19	7	7	13	27	53	10
Chaetomium	-	-	-	-	-	-	4	7	7	13	16	72	4
Cladosporium	1,400	270	500	1,300	4,100	6,600	99	53	110	640	2,600	4,700	87
Curvularia	80	7	13	24	53	130	52	7	13	24	67	130	22
Epicoccum	13	7	13	27	53	67	49	7	13	27	67	130	41
Ganoderma	130	-	-	-	-	-	<1	-	-	-	-	-	<1
Nigrospora	13	7	7	13	35	53	29	7	7	13	40	53	17
Penicillium/Aspergillus types	-	53	91	270	870	1,200	80	53	53	160	530	1,100	74
Pithomyces	950	13	13	40	150	340	59	7	13	27	93	200	25
Polythrincium	7	7	7	13	53	53	23	7	7	17	53	80	15
Stachybotrys	-	-	-	-	-	-	2	-	-	-	-	-	1
Torula	-	7	13	24	61	84	22	7	7	13	47	80	8
<b>Seldom found growing indoors**</b>													
Ascospores	1,100	400	640	1,400	4,100	6,500	98	53	130	670	2,700	5,500	85
Basidiospores	5,400	3,700	6,700	13,000	34,000	58,000	> 99	130	480	4,800	21,000	39,000	96
Rusts	7	7	13	20	52	190	45	7	13	27	53	120	23
Smuts, Periconia, Myxomycetes	27	13	20	53	160	260	84	13	13	47	130	240	66
<b>§ TOTAL SPORES/m3</b>	<b>9,200</b>												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446, WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Outdoor Summary: 446-09: Outside**

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria	[Bar chart showing distribution]				7 - 40 - 600	45
Ascospores	[Bar chart showing distribution]				13 - 210 - 6,100	76
Basidiospores	[Bar chart showing distribution]				13 - 430 - 24,000	92
Bipolaris/Drechslera group	[Bar chart showing distribution]				7 - 13 - 250	16
Cladosporium	[Bar chart showing distribution]				27 - 480 - 10,000	90
Curvularia	[Bar chart showing distribution]				7 - 27 - 590	18
Epicoccum	[Bar chart showing distribution]				7 - 22 - 330	24
Ganoderma	[Bar chart showing distribution]				27 - 110 - 800	2
Nigrospora	[Bar chart showing distribution]				7 - 13 - 240	16
Penicillium/Aspergillus types	[Bar chart showing distribution]				13 - 170 - 2,700	68
Pithomyces	[Bar chart showing distribution]				7 - 20 - 550	15
Polythrincium	[Bar chart showing distribution]				7 - 13 - 170	3
Rusts	[Bar chart showing distribution]				7 - 22 - 360	20
Smuts, Periconia, Myxomycetes	[Bar chart showing distribution]				7 - 53 - 950	64
<b>Total</b>	[Bar chart showing distribution]					

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

**Indoor Samples**

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

Location: 446-1: Hall- Rm 127 First Floor

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 31%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.7826	dF: 14 Result: 0.5099 Critical value: 0.4593 Outside Similar: Yes	Score: 230 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				530
	Basidiospores				800
	Bipolaris/Drechslera group				13
	Cladosporium				320
	Curvularia				200
	Epicoccum				67
	Nigrospora				7
	Penicillium/Aspergillus types				430
	Pithomyces				500
	Polythrincium				7
	<b>Total</b>				<b>2,900</b>

Location: 446-2: Supply Rm Rm 116- First Floor

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 13%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.5263	dF: 14 Result: 0.6187 Critical value: 0.4593 Outside Similar: Yes	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				320
	Basidiospores				640
	Cladosporium				80
	Curvularia				7
	Penicillium/Aspergillus types				80
	Pithomyces				73
	<b>Total</b>				<b>1,200</b>



Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location: 446-3: QC Office Rm 106- First Floor**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 9%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.6000	dF: 14 Result: 0.6088 Critical value: 0.4593 Outside Similar: Yes	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				210
	Basidiospores				430
	Cladosporium				80
	Curvularia				7
	Penicillium/Aspergillus types				80
	Pithomyces				73
	Smuts, Periconia, Myxomycetes				7
	<b>Total</b>				<b>890</b>

**Location: 446-4: Operations Rm 204-2 Second Floor**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.5263	dF: 14 Result: 0.4374 Critical value: 0.4593 Outside Similar: No	Score: 141 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				80
	Basidiospores				400
	Curvularia				20
	Penicillium/Aspergillus types				110
	Pithomyces				170
	Smuts, Periconia, Myxomycetes				13
	<b>Total</b>				<b>790</b>

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location: 446-5: Mens Rm Rm 219 Second Floor**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.6667	dF: 14 Result: 0.5033 Critical value: 0.4593 Outside Similar: Yes	Score: 121 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					7
Ascospores					27
Basidiospores					290
Cladosporium					27
Curvularia					13
Penicillium/Aspergillus types					130
Pithomyces					73
Smuts, Periconia, Myxomycetes					20
<b>Total</b>					590

**Location: 446-6: Office Rm 228 Second Floor**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 9%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.6667	dF: 14 Result: 0.3637 Critical value: 0.4593 Outside Similar: No	Score: 190 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					110
Basidiospores					270
Bipolaris/Drechslera group					7
Curvularia					80
Epicoccum					33
Penicillium/Aspergillus types					130
Pithomyces					250
Smuts, Periconia, Myxomycetes					7
<b>Total</b>					890

Client: Astar Abatement, Inc.  
 C/O: Mr. Michael Pauley  
 Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
 Date of Receipt: 08-25-2015  
 Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

Location: 446-07: GSE Building

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 21%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.7500	dF: 15 Result: 0.4714 Critical value: 0.4429 Outside Similar: Yes	Score: 198 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Alternaria				13
	Ascospores				190
	Basidiospores				590
	Cladosporium				190
	Curvularia				47
	Epicoccum				33
	Nigrospora				13
	Penicillium/Aspergillus types				350
	Pithomyces				350
	Smuts, Periconia, Myxomycetes				150
	Torula				7
	<b>Total</b>				<b>1,900</b>

Location: 446-08: Ladies Room Rm 216 Second Floor

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 14%	dF: 7 Result: 27.8654 Critical value: 14.0671 Inside Similar: No	Result: 0.6667	dF: 14 Result: 0.4549 Critical value: 0.4593 Outside Similar: No	Score: 182 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Alternaria				7
	Ascospores				80
	Basidiospores				400
	Cladosporium				80
	Curvularia				40
	Penicillium/Aspergillus types				320
	Pithomyces				290
	Smuts, Periconia, Myxomycetes				110
	<b>Total</b>				<b>1,300</b>

Client: Astar Abatement, Inc.  
C/O: Mr. Michael Pauley  
Re: 15-446; WV Army Nat. Guard

Date of Sampling: 08-24-2015  
Date of Receipt: 08-25-2015  
Date of Report: 08-27-2015

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

\* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\* An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

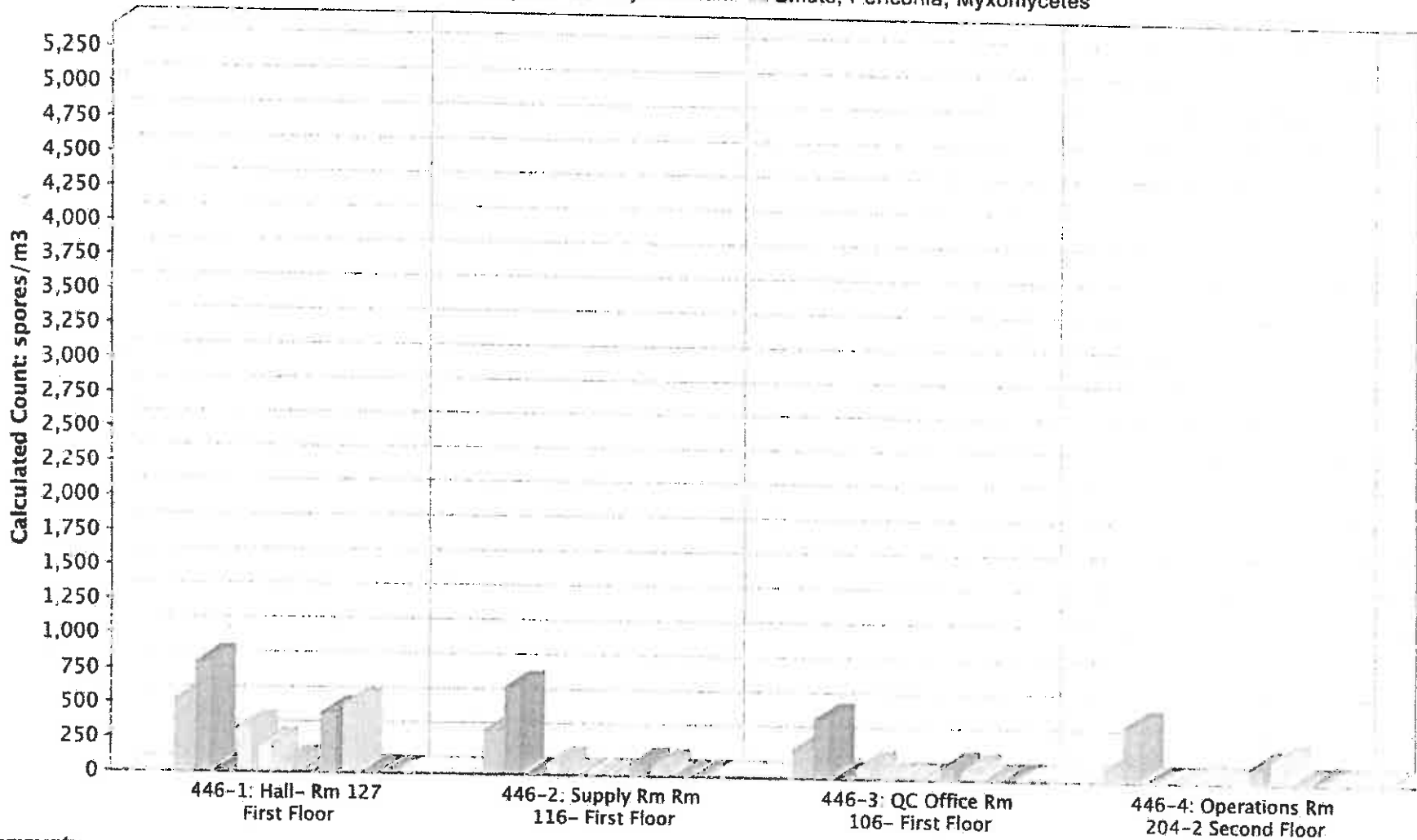
\*\*\* The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\*\*\* MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

### SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

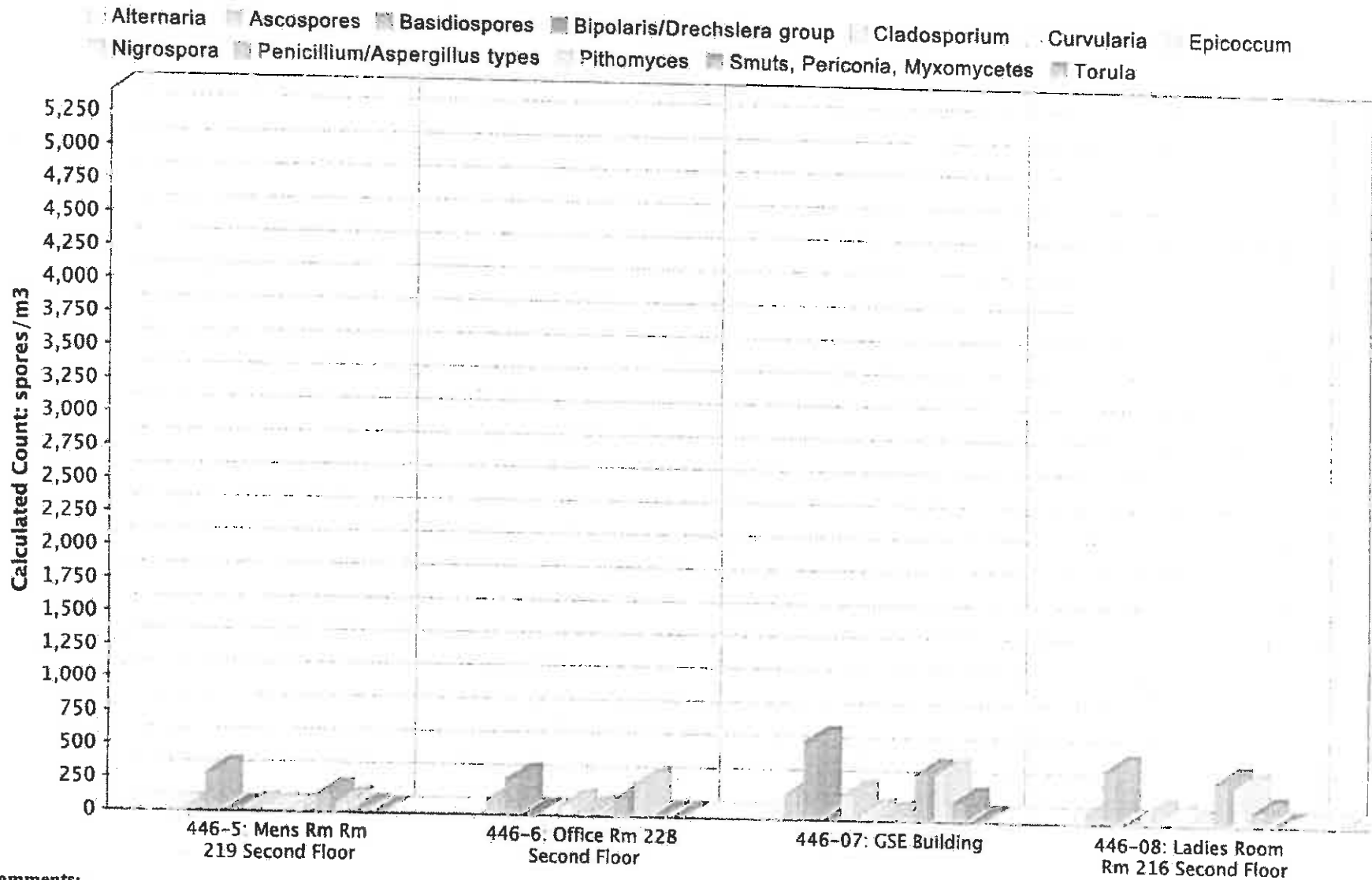
- Ascospores
- Basidiospores
- Bipolaris/Drechslera group
- Cladosporium
- Curvularia
- Epicoccum
- Nigrospora
- Penicillium/Aspergillus types
- Pithomyces
- Polythrincium
- Smuts, Periconia, Myxomyces



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.  
EMLab P&K, LLC

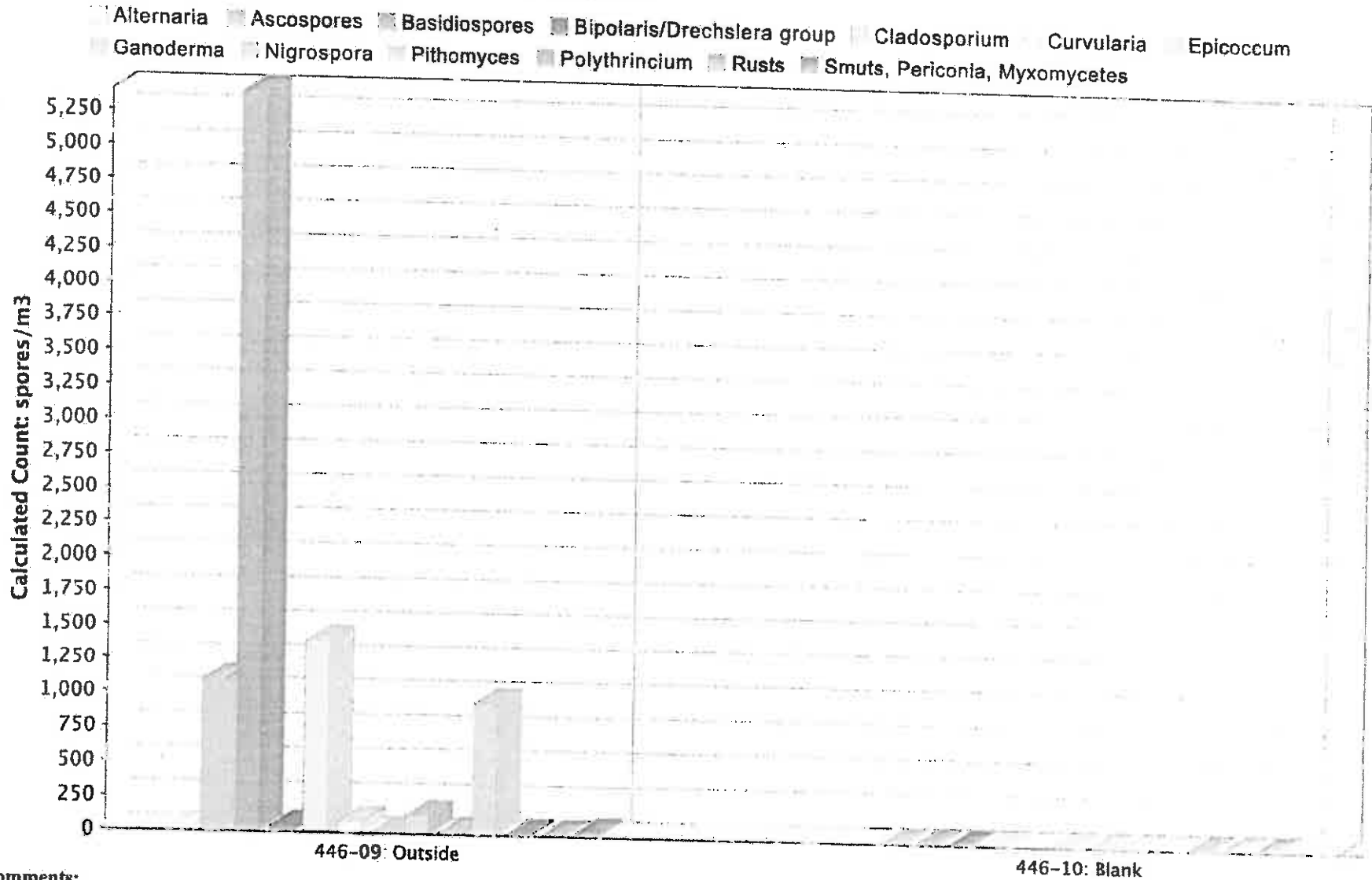
**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**



**Comments:**

Note: Graphical output may understate the importance of certain "marker" genera.  
 EMLab P&K, LLC

### SPORE TRAP REPORT: NON-VIABLE METHODOLOGY



Comments:

Note: Graphical output may understate the importance of certain "marker" genera.  
EMLab P&K, LLC

CHAIN OF CUSTODY  
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New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 \* (866) 871-1984  
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 691-4802  
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6553

Weather	Fog	Rain	Snow	Wind	Clear
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REQ#  
(Use c)

001413918

Non-Culturable	Culturable	Other Requests
Spore Trap	BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates	

Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp spp)	2-Media Surface Fungi (Genus ID + Asp spp)	3-Media Surface Fungi (Genus ID + Asp spp)	Culturable Air Fungi (Genus ID + Asp spp)	Green Stain & Counts (Culturable Air & Surface Bacteria)	Legionella culture	Total Coliform, E. coli (Presence/Absence)	Membrane Filtration (specify organism)	MVA Bacteria (specify organism)	QuantTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PCM (EPA method 8000-83-116)	PCR (specify test)
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CONTACT INFORMATION		
Company:	Astar Abatement	Address: P.O. Box 15533, Slasonville, WV 25360
Contact:	Michael Pauley	Special Instructions:
Phone:	304-343-5950 Ext. 119	Email: Mpauley@astarabatement.com

PROJECT INFORMATION		TURN AROUND TIME CODES (TAT)	
Project ID:	15-446	STD - Standard (DEFAULT)	Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description:	WV Army Nat. Guard	ND - Next Business Day	
Project Zip Code:	26107	SD - Some Business Day Rush	
PO Number:		WH - Weekend / Holiday	
Sampling Date & Time:	8/24/15 10:00 AM	Sampled By:	MP/JS

Sample ID	Description	Sample Type (Bulk)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
446-1	Hall - Rm 127 First Floor	ST	STD	150 L.	10:02 AM 76° 55%
446-2	Supply Rm Rm 116 First Floor	ST	STD	150 L.	10:25 AM 68° 53%
446-3	QC office Rm 106 First Floor	ST	STD	150 L.	10:30 AM 68° 47%
446-501	Rm 127 First Floor	SW	STD		
446-502	Rm 116 Supply Rm	SW	STD		
446-503	QC office Rm 106	SW	STD		
446-504	operations Rm 106 Second Floor	ST	STD	150 L.	10:55 AM 71° 51%
446-505	" " " " " "	SW	STD		
446-506	Mens Rm Rm 219 Second Floor	ST	STD	150 L.	11:07 AM 75° 47%
446-507	" " " " " "	SW	STD		
446-508	Office Rm 220 Second Floor	ST	STD	150 L.	11:20 AM 74° 30%

SAMPLE TYPE CODES			
BC - BioCassette™	ST - Spore Trap; Zefon, Allergenco, Burkard ..	T - Tape	D - Dust
AS - Anderson	P - Potable Water	SW - Swab	SO - Soil
SAS - Surface Air Sampler	NP - Non-Potable Water	B - Bulk	
CP - Contact Plate		O - Other	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
<i>Jan P. Platt</i>	8/24/15 3:30 PM	TCP	8/25/15 9:50

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Phoenix, AZ: 1501 West Kautzen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

Weather	Fog	Rain	Snow	Wind	Clear
Level	None	Light	Moderate	Heavy	
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CONTACT INFORMATION	
Company: <b>Astar Abatement</b>	Address: <b>P.O. Box 13533, Shearville, WV 26360</b>
Contact: <b>Michael Pauley</b>	Special Instructions:
Phone: <b>304-343-5950 Ext. 119</b>	Email: <b>Mpauley@astarabatement.com</b>

PROJECT INFORMATION		TURN AROUND/TIME CODES (TAT)	
Project ID: <b>15-446</b>	Sampling Date & Time: <b>8/25/15 10:00</b>	STD - Standard (DEFAULT)	Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
Project Description: <b>WV Army Nat. Guard</b>	Sampled By: <b>MP/SE</b>	ND - Next Business Day	
Project Zip Code: <b>26187</b>		SD - Same Business Day Rush	
PO Number:		WH - Weekend / Holiday	

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
446-06	OFFICE Rm 238 Second Fl.	SW	STD		
446-07	GSE Building	ST	STD	150 L	11:55 AM 81°, 42%
446-08	Ladies Room Rm 238 Second Fl.	ST	STD	150 L	11:50 AM 78°, 42%
446-08	Hallway by Ladies Room	SW	STD		
446-09	Outside	ST	STD	150 L	
446-10	Blank	ST	STD	N/A	N/A

Spore Trap	Tape Swab Bulk	Non-Culturable										Culturable					Other Requests					
		BioCassette™					Anderson, SAS, Swab, Whirl, Bulk, Dust, Spf, Contact Plates					Anderson, SAS, Swab, Whirl, Bulk, Dust, Spf, Contact Plates										
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SAMPLE TYPE CODES		
BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burtard ...	T - Tape
ATS - Anderson	P - Potable Water	B - Bulk
SAS - Surface Air Sampler	NP - Non-Potable Water	O - Other
CP - Contact Plate		

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	8/25/15 7:30 AM	TCP	8/25/15 9:50



## Appendix 2 Glossary



**(APT)**

As used in this document, indicated reportedly Allergenic and/or Pathogenic and/or Toxigenic to humans.

**Acremonium spp. (APT)**

*Acremonium* is a type I & III allergen. Found in soils, decaying organic matter, and plant debris, it is an agricultural contaminant. This genus can be parasitic or saprophytic to plants and other living fungi, and some species cause vascular wilts in trees. *Acremonium* is the asexual state of *Emericellopsis*, *Chaetomium*, and *Noectropsis*. It has been known to produce a toxin from the trichothecene group and may also give off an unpleasant odor due to the production of volatile organic compounds (VOCs). This fungus is associated with occupant complaints such as nausea, vomiting and diarrhea. *Acremonium* has been isolated from cases of mycetoma, onychomycosis, mycotic keratitis, infection of the cornea, and infections of artificial implants.

**Agrocybe spp. ( )**

The *Agrocybe* spp. are small to medium sized mushrooms found growing in grass, dung, and mulch. They may also be found growing on dead wood.

**Alternaria spp. (APT)**

*Alternaria* has been associated with hypersensitivity pneumonitis and has been linked to cases involving extrinsic asthma. Acute symptoms include edema and bronchospasms, chronic cases may develop pulmonary emphysema. *Alternaria* has been reported as a common allergen with an IgE mediated response. Baker's asthma and farmer's lung have been associated with *Alternaria*. The large spore size suggests that the spores from this fungus will deposit in the nose, mouth and upper respiratory tract causing nasal septum infections. Other diseases caused by *Alternaria* include mycotic, keratitis, skin infections, and osteomyelitis. *Alternaria alternata* is capable of producing tenuazonic acid, alternatiol monomethylether (AME), altertoxin I and II (mutagenic toxins), altenuene, altenuin and other toxic metabolites which may be associated with disease in humans. The presence of *Alternaria* conidia in outdoor air and in houses makes this mold one of the most important fungal allergen sources. Closely related genera such as *Ulocladium* and *Stemphylium* contain allergens identical to those found in *A. alternata*.

**Arthrinium spp. (A)**

*Arthrinium* is a widespread saprobe. It is found on plants including sugarcane and swamp grasses and sedges. This genus is often isolated from air near grassy places in the autumn. Only one species is considered to be allergenic. There have been no reported cases on infections or toxin related diseases in humans.

**Arthrotrys spp. ( )**

*Arthrotrys* is found in soils and decaying plant debris. No information is available regarding health effects, or toxicity. Allergenicity has not been studied.



### **Arthrographis spp. (AP)**

*Arthrographis* is a widespread allergen found in soils, compost, and decaying plants. *Arthrographis kalrae* is known to cause onychomycosis and has been recovered from the skin, nails, and respiratory secretions of patients with chronic pulmonary disease.

### **Arthrospores ( )**

Arthrospores are detached fragments of previously vegetative fungi. They may exhibit the functionality expressed by spores. Their specific classifications cannot be determined by non-viable microscopic examination and, therefore, potential health effects are indeterminate.

### **Ascospores (APT)**

Ascospores are a general category of spores that have been produced by means of sexual reproduction in a sack-like structure called an ascus. Many genera are ubiquitous saprobes and plant pathogens; however, this classification also contains potential opportunistic pathogens, toxin producers, and allergens, including *Aspergillus* and *Penicillium*.

### **Aspergillus spp. (APT)**

*Aspergillus* is a type I & III allergen. Several species of *Aspergillus* have been proven as opportunistic etiological agents of human disease (aspergillosis). Some *Aspergillus* species produce mycotoxins that have been associated with diseases in humans. Some of these toxins have been identified as carcinogenic (aflatoxins and ochratoxin). *Aspergillus* has been cited as the cause of extrinsic asthma. Some species can cause onychomycosis (infection of the nail).

### **Aureobasidium spp. (APT)**

*Aureobasidium* is found in soil, hay, cotton, and dairy products. *A. versicolor* is an indicator of moisture problems in houses. Indoors *A. pullulans* is often found on damp material in homes, such as painted wood, bathrooms, kitchens, shower curtains, tile grout, and windowsills. *Aureobasidium* spp. have been associated with Type I allergies (hay fever, asthma), and Type III hypersensitivity pneumonitis. *A. pullulans* is occasionally pathogenic. It can produce a mycotoxin sterigmatocystin and cyclopiaxonic acid. *A. pullulans* has been reported to cause chromoblastomycosis (a chronic cutaneous infection of the skin). A rare case of repeated isolations from the blood of a patient with acute leukemia has been reported. It has also been reported as a rare causative agent of phaeohyphomycosis, mycotic keratitis and peritonitis in patients on continuous ambulatory peritoneal dialysis.

### **Basidiospores (APT)**

Basidiospores are a general category of sexually reproducing spores that have been released from the basidium of a fungus. They are Type I & Type III allergens, saprobes and plant pathogens that are mainly found in outdoor locations. Spores disseminate during rain or in times of high humidity. While occasionally reported as opportunistic pathogens, basidiospores may produce toxins, including amanitins, monomethyl-hydrazine, muscarine, ibotenic acid, and psilocybin. Basidiospores metabolize cellulose and may impact the structural integrity of buildings.



#### **Beltrania spp. (A)**

*Beltrania* is a mitosporic fungus that is widespread and found in dead leaves and plant debris. It is classified as an ascomycete (q.v. ascospore). This class contains the "sac fungi" and the yeasts. Many are reported to be allergenic.

#### **Bipolaris spp. (APT)**

*Bipolaris* is found in dead or dying plant debris, soils, and grasses. *Bipolaris* is a known plant parasite. Some species are pathogenic to grasses and animals and may cause nasal mycotic granuloma in cattle. This genus can grow in semi-dry environments. It has been reported to produce the mycotoxin, sterigmatocystin that has been shown to cause liver and kidney damage when ingested by laboratory animals. This fungus is associated with phaeohyphomycosis and may cause allergic fungal sinusitis. In certain people with severe allergies, the large spores of this fungus can travel to the sinuses or upper respiratory tract, where they attach to the mucus, producing an unrelenting allergic reaction that may permanently damage the sinuses.

#### **Bispora spp. ( )**

*Bispora* is a widespread mitosporic fungus. It has been isolated from dead wood in temperate areas in the northern hemisphere. There has been no known research on the health effects, toxicity, or allergens of these fungi.

#### **Blastobotrys spp. ( )**

*Blastobotrys* species are typically a very small proportion of the fungal biota. No information is available regarding health effects, or toxicity. Allergenicity has not been studied.

#### **Botrytis spp. (A)**

*Botrytis* is known to cause allergies and induce asthma attacks.

#### **Cercospora spp. (P)**

*Cercospora* spp. are plant parasites that cause leaf spot. One instance of human infection was reported from Indonesia. These fungi may be found outdoors in agricultural areas.

#### **Chaetomium spp. (A)**

*Chaetomium* may be found on a variety of cellulose substrates. These fungi are able to dissolve the cellulose fibers in cotton and paper. *Chaetomium* is reported to be allergenic. Because this genus is rarely found in outdoor air samples, its presence, in significant quantities in indoor environments, is an indicator of fungal amplification.

#### **Chrysosporium spp. (AP)**

This fungus is found on soils, plant litter, dung, and areas frequented by birds. *Chrysosporium* has been isolated from mycotic brain abscesses, skin infections in humans. *Chrysosporium* spp. have occasionally been isolated from systemic infections in bone marrow transplant recipients and in patients with chronic granulomatous disease. It is associated with fatal disease in reptiles.



### **Cladosporium spp. (A)**

*C. herbarum* is the most frequently found species in outdoor air in temperate climates. It is commonly found on the surface of fiberglass duct liner in the interior of HVAC supply ducts, dirty refrigerators, and condensation pans. It is also found on dead plants, woody plants, food, straw, soil, paint, and textiles. *Cladosporium* is one of the most common fungal allergens. Skin abscesses, mycotic keratitis and pulmonary fungus ball have been recorded in immuno-compromised patients. It may also cause corneal infections and mycetoma that involve cutaneous and subcutaneous tissue, fascia, and bone consisting of abscesses, granulomata, and draining sinuses.

### **Conidia ( )**

Conidia are defined as asexual spores of fungi that form at the tips and the sides of hyphae.

### **Coprinus spp. ( )**

Mushrooms of the genus *Coprinus* are small to medium size terrestrial fungi found growing on decaying wood.

### **Cunninghamella spp. (P)**

Commonly found as saprophyte in soil. *Cunninghamella* can cause disseminated and pulmonary infections in immune compromised hosts.

### **Curvularia spp. (AP)**

*Curvularia* has been reported to be allergenic. It may cause corneal infections, mycetoma and infections in immune compromised hosts.

### **Diplociadiella spp. ( )**

This genus has been identified surviving on bamboo in Asia and the Caribbean. Exposure impact on human health has not been studied.

### **Drechslera spp. (APT)**

*Drechslera* can cause a corneal infection of the eye.

### **Endophragma spp. ( )**

This genus is a plant saprophyte. Human health effects have not been studied.

### **Epicoccum spp. (AP)**

*Epicoccum* is found on plants, soils, grains, textiles and paper products. It is mostly saprophytic, or weakly parasitic. *Epicoccum* is reported to be an allergen and can cause skin infections in humans.



### **Fusarium spp. (APT)**

This genus is a common soil fungus found on a wide range of plants. It is also often found in humidifiers. *Fusarium* has been reported as allergenic. Symptoms may appear following ingestion of contaminated grains or inhalation of spores. This genus can produce hemorrhagic syndrome in humans (alimentary toxic aleukia). The symptoms may include nausea, vomiting, diarrhea, dermatitis, and extensive internal bleeding. *Fusarium* is involved in eye, skin and nail infections and is the most common cause of mycotic keratitis. This genus has been associated with skin lesions on burn patients, ear infections, varicose ulcer, and osteomyelitis following trauma. Several species in this genus can produce potent trichothecene toxins. The toxin targets circulatory, alimentary, skin, and nervous systems. It produces toxin on grains during unusually damp growing conditions.

*Fusarium* can also produce: Vomitoxin on grains causing outbreaks of acute gastrointestinal illness in humans; T-2 Toxin and related trichothecenes that are some of the deadliest known toxins. If ingested in sufficient quantity, T-2 toxin can severely damage the entire digestive tract and cause rapid death due to internal hemorrhage; Fumosin is found in corn and corn based products resulting in outbreaks of veterinary mycotoxicosis causing "crazy horse disease".

### **Fusicladium spp.**

*Fusicladium* is a plant pathogen known to cause disease in fruit and other trees.

### **Ganoderma spp. (A)**

*Ganoderma* has been reported as allergenic.

### **Gliocladium spp. (A)**

This fungus is found in soil or decaying plant matter as parasites of other fungi. It is reported to be allergenic.

### **Graphium spp. (P)**

*Graphium* may be found in dung, seeds, and soils. There have not been any reports of human infections with *Graphium* species, however, it is a mitosporic state of *Pseudallescheria boydii* which causes subcutaneous mycoses in humans and therefore must be classified as potentially pathogenic. No information is available regarding toxicity or allergy.

### **Hyphal Fragments (A)**

Hyphal fragments are defined as parts or sections of a mycelium. They are classified in this general manner because the genera of the fragments cannot be identified by microscopic examination. Hyphae may be viable (capable of reproduction). As a result, the presence of hyphal fragments in significant quantity requires remediation. Hyphal fragments may be allergenic.

### **Esthmospora spp. ( )**

No information is available regarding potential human health effects.



### **Monodictys spp. ( )**

*Monodictys* spp. are found on dead wood, plant stems, tree bark, damp linoleum, and paper. *Monodictys* has been reported as a plant pathogen.

### **Memmoniella spp. (APT)**

*Memmoniella* is a fungus related to *Stachybotrys*. They may be found together on water damaged cellulose materials (sheetrock, paper, ceiling tiles, cellulose insulation and wallpaper). Studies on mycotoxins revealed that *Memmoniella echinata* may exhibit toxicity similar to that of *S. chartarum*. *M. echinata* produces phenylspirodrimanones and trichothecenes. *Memmoniella* should be considered potentially dangerous in indoor air. Because the diameter of *Memmoniella* spores are smaller than that of *Stachybotrys*, they would be expected to have a greater potential to penetrate deep into the lungs.

### **Mycelial/Hyphal Fragments (APT)**

Mycelia/hyphal fragments are defined as the debris or detritus of the hyphae of a mycelium (fungal mass). Although generally non-reproductive, they may produce allergic reactions in hypersensitive individuals. Inhalation of large quantities of mycelial fragments may contribute to lung disease. Some studies have reported that mycelial fragments may contain toxins produced by the original organism. The presence of large concentrations of mycelial fragments suggests amplification.

### **Myxomycetes (A)**

Myxomycetes have been reported as a Type 1 allergen. They are typically found on decaying plant material. They are dispersed by wind in the dry phase, while the wet amoebic phase is motile. Myxomycetes exhibit characteristics of both protozoa and fungi.

### **Nigrospora spp. (A)**

*Nigrospora* is reported to be allergenic.

### **Oidiodendron spp. ( )**

*Oidiodendron* species are common but comprise a small proportion of the fungal biota. This genus is most closely related to *Geomyces* and *Arthrographis*. *Oidiodendron cerealis* is distinct from other *Oidiodendron* species and is placed in a separate genus (*Stephanosporium*) by some taxonomists. Natural habitat includes soil, litter, wood and bark.

One case (in 1969) of neurodermitis nuchae for *Oidiodendron cerealis/Stephanosporium cereale* has been reported, with no reports for other *Oidiodendron* species. No information is available regarding toxicity, nor has allergenicity been studied. As a result of the preceding information, we classify this genus as "None Reported."

### **Oidium spp. ( )**

*Oidium* has been reported as a plant pathogen. Another name for powdery mildew, these fungi can cause severe damage to grape crops.





### **Paecilomyces spp. (APT)**

*Paecilomyces* is found in soil, dust, and air. *P. variotii* can cause paecilomycosis. This genus is linked to wood-trimmers disease and humidifier associated illnesses. Some members of this genus are reported to cause pneumonia. It has also been reported to cause allergic alveolitis. It may produce arsine gas if growing on arsenic substrate, e.g. wallpapers covered with Paris green.

### **Penicillium spp. (APT)**

This genus contains a large number of species. *Penicillium* is found in soil, food, cellulose, paint, grains, compost piles, carpet, wallpaper, and in interior fiberglass duct insulation. *Penicillium* is reported to be allergenic and it may cause hypersensitivity pneumonitis and allergic alveolitis. It can cause other infections such as keratitis, penicilliosis, and otomycosis. Some species can produce mycotoxins including Ochratoxin which is damaging to the kidneys and liver and is also a suspected carcinogen. Evidence suggests the ability to impair the immune system. *Penicillium* may produce: Citrinin that can cause renal damage, vasodilatation, and bronchial constriction; Gliotoxin, an immunosuppressive toxin; and Patulin, believed to cause hemorrhaging in the brain and lungs and is usually associated with apple and grape spoilage. It can also cause extrinsic asthma. *P. camemberti* has been responsible for inducing occupational allergies among those who work with soft white cheeses on which the fungus grows.

### **Periconia spp. ( )**

This is a mitosporic fungus found on soils, plant debris, grasses, and in air. *Periconia* is rarely found growing indoors. It is parasitic or saprophytic on plants, and can be a cause of root rot.

### **Peronospora spp. ( )**

*Peronospora hyoscyami* is a member of the division Oomycota (egg fungi or water molds). *P. hyoscyami* is responsible for the "blue mold" of tobacco plants.

### **Pestalotia spp. ( )**

*Pestalotia* is a known plant pathogen and saprobe.

### **Pestalotiopsis spp. ( )**

These species of mitosporic fungi are secondary plant pathogens and saprobes. *Pestalotiopsis microspora* produces taxol, an important chemotherapeutic drug used in the treatment of breast and ovarian cancers.

### **Phoma spp. (AP)**

*Phoma* species are commonly found on various plant parts and soil. They are reported to grow on painted walls, particularly in humid places such as showers. *Phoma* will grow on butter, paint, cement, and rubber. *Phoma* may cause phaeohyphomycosis, a systemic or subcutaneous disease. It is reported to be an indoor air allergen and may have antigens that will cross react with *Alternaria* spp.



### **Pythium spp. ( )**

*Pythium spp.* are known plant pathogens affecting crops and turf grass.

### **Pithomyces spp. ( )**

*Pithomyces* is found on decaying plants, soil, and wood. It is rare in cold climates and indoor environments. This fungus has been reported as allergenic. It is considered an etiologic agent in immunocompromised patients. The most common saprophytic species, *P. chartarum* produces a mycotoxin called sporidesmin known to be pathogenic in animals, causing liver damage, facial exzema and a condition of severe dermatitis.

### **Polythrincium spp. ( )**

*Polythrincium* is a plant pathogen known to cause the disease black blotch or sooty in clover.

### **Pyricularis spp. ( )**

Species of *Pyricularia* are known plant pathogens.

### **Pseudocercospora spp. (APT)**

*Pseudocercospora* may be found growing on decaying plant material. This genus is known to cause disease in banana, tomato, citrus, and other plants. No information regarding the potential impact to human health is available.

### **Rusts (A)**

Rusts may be present on most living plant materials. Rusts have both wet and dry spores. While wind may disperse the spores, some classifications have an active spore release mechanism. They are parasitic plant pathogens and need a living host for growth. Rusts do not grown indoors unless their host plants are present. Rusts are members of the basidiomycete class. Rusts are reported as a Type I allergen. There are no reports of human infection.

### **Scopulariopsis spp. (APT)**

*Scopulariopsis* may cause Onychomycosis, an infection of the nail, and may infect skin. Conidia from *S. brevicaulis* have been associated with cases of occupational allergy in the tobacco industry. It may produce arsine gas if growing on an arsenic substrate, such as wallpaper covered with Paris green. One hypothesis suggests that *Scopulariopsis brevicaulis* present in mattresses acts on the phosphates in the mattress material and antimony compounds incorporated as flame retardants to produce phosphine and stibine. These gases, being heavier than air, are alleged to accumulate above the mattress surface, where they may be inhaled by a sleeping child and cause death (sudden infant death syndrome [SIDS]). This fungus is found on a wide variety of materials including, soil, old carpets, wallpaper, etc.

### **Scytalidium spp (P)**

This genus is classified as a dematiaceous (dark-walled) fungus. *Scytalidium* is a saprobe is found on wood and soils, and has been linked to diseases of woody plants. *Scytalidium* is a mycoparasite on pathogenic rust and wood rotting fungi. Some species may prevent colonization of the wood by decaying fungi. *Scytalidium* can produce an antibiotic called scytalidin. *Scytalidium dimidiatum* can cause a



benign disease closely resembling dermatophytosis. In immunocompromised hosts, *Scytalidium dimidiatum* can lead to phaeohyomycosis. *S. dimidiatum* is an opportunistic pathogen and has been reported as an agent of onychomycosis and dermatomycosis. This pathogen can cause systemic disease.

No antifungal agent has been effective for management of superficial infections. Infections related to *Scytalidium hyalinum* exposure do not respond to conventional therapy. Effective prevention depends on the use of appropriate protective equipment in affected areas.

#### **Septonema spp. ( )**

*Septonema* is a mitosporic fungus found on dead or rotten wood, leaves, and flowers of various plants. Commonly found on the bark of deciduous or coniferous trees as well as on other fungi. *Septonema* has been isolated from millipede droppings. This fungus is considered to be closely related to the genus *Cladosporium*. *Septonema* species generally comprise a very small proportion of the fungal biota. No information is available regarding health effects, or toxicity. Allergenicity has not been studied.

#### **Smuts (A)**

Smuts are parasitic plant pathogens that require a living host and are often found on corn, grass, weeds, flowering plants and other fungi. They are classified as a Type I allergen.

#### **Spadicoides spp. ( )**

This fungus is found on decaying wood and tree bark. Health effects have not been studied.

#### **Spegazzinia spp. ( )**

*Spegazzinia* is a mitosporic fungus that lacks a known sexual state and therefore belongs to the Fungi Imperfecti. No information is available regarding health effects or toxicity. Allergenicity has not been studied. *Spegazzinia* species typically comprise a very small proportion of the fungal biota.

#### **Sporidesmium spp. ( )**

This genus is found on and among vegetable crops, animal pastures, dead plant material and trees. No species has been shown to control sclerotinia, a fungal disease affecting sunflower crops. No information is available regarding potential health risks to humans.

#### **Stachybotrys spp. (APT)**

*Stachybotrys* thrives on water damaged cellulose materials such as sheetrock, paper, ceiling tiles, insulation and wallpaper. The presence of this fungus in buildings is significant because of the mold's ability to produce mycotoxins, which are extremely toxic, such as Satratoxin H. Exposure to these toxins can occur through inhalation, ingestion or dermal exposure. Symptoms include dermatitis, cough, rhinitis, nose bleeds, a burning sensation in the mouth and nasal passage, cold and flu symptoms, headache, general malaise, and fever. Inhalation of conidia may also include pathological changes (pneumomycotoxicoses). Satratoxin H has been reported to be abortogenic in animals and in high doses or chronic low doses it can be lethal. *S. chartarum* produces other macrocyclic and trichoverroid trichothecenes and, like *Memmoniella echinata*, produces phenylspirodrimanones, which are immunosuppressive.



**Stemphylium spp. (A)**

*Stemphylium* has been reported to be allergenic.

**Taeniolella spp. (P)**

This saprobe is commonly found on wood, leaves, and indoor plants. *Taeniolella* is an infrequent etiological agent of phaeohyphomycosis (cutaneous and subcutaneous infections caused by dematiaceous fungi).

**Teberdiaia spp. ( )**

This genus is commonly found in soils. Human health effects have not been studied.

**Tetraploa spp. (P)**

This genus typically comprises a small proportion of the fungal biota and has been identified on grasses, leaf bases and stems. *Tetraploa* has also been reported in marsh sediments in the southwestern United States. *Tetraploa* is reportedly an etiological agent of phaeohyphomycosis. Allergenicity has not been studied.

**Torula spp. (A)**

*Torula* has been reported to be allergenic.

**Trichocladium spp. (P)**

*Trichocladium* is a widespread mitosporic fungus found in soils, dead wood, stems or twigs, and on other plant debris. It has also been associated with black root rot, as an aggressive pathogen. This fungus may cause eye infections.

**Trichoderma spp. (A)**

*Trichoderma* is found in soil, litter materials (polluted streams, sewage plants and driftwood), on paper, and in kitchens on many common materials. Materials such as wood and mineral fiber panels can be affected by this fungus. Inhalation of the conidia or the volatile organic compounds may cause symptoms similar to those of *Stachybotrys* reactions. *Trichoderma* sp. is reported to be allergenic.

**Tritachium spp. (P)**

*Tritachium* species generally comprise a small proportion of the fungal biota. These fungi are commonly isolated from paper, jute, textiles, adhesives, and gypsum board. Their natural habitat is soil and decaying plant material. *Tritachium* has been identified as an insect pathogen. Health effects include reports of corneal ulcers, and a case of otomycosis. No information is available regarding inhalation effects or toxicity. Allergenicity has not been studied.



### **Ulocladium spp. (A)**

This fungus is commonly found as a saprophyte on plant materials and soils. Some species can be also found on dead herbaceous plants, rotten woods, paper, textiles, and other cellulose substrates such as water-damaged building materials. *Ulocladium* is reported to be allergenic.

### **Unidentifiable Spores ( )**

This fungus is commonly found as a saprophyte on plant materials and soils. Some species can be also found on dead herbaceous plants, rotten woods, paper, textiles, and other cellulose substrates such as water-damaged building materials. *Ulocladium* is reported to be allergenic.

### **Verticillium spp. ( )**

Verticillium is found in soil and decaying plant matter. This genus is known to cause plant diseases.

### **Zygomycetes (AP)**

Many zygomycetes are extremely fast growing and can inhibit other fungi when competing for food or space. Some zygomycetes can cause zygomycosis in diabetic or immunocompromised patients. Zygomycosis can occur in the lungs, nasal sinus, brain, eye, skin, and mucous membranes. *Rhizopus*, *Mucor*, *Rhizomucor*, and *Absidia* are three genera that have been reported as pathogenic. Zygomycetes have been reported as Type I and Type II allergens.

### **Zygophiala ( )**

Zygophiala is a plant pathogen that causes flyspeck, a disease in apple trees.

### **Zygosporium ( )**

Zygosporium is a widespread mitosporic fungus commonly found in subtropical to tropical areas on dead leaves and wood, and occasionally from soil. This saprobe has been found growing indoors on damp walls, and also on cheese. Allergenicity has not been studied.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: ADJ160000017**

**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)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> 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.

Woodcore Air Technologies  
Company  
  
Authorized Signature  
2/22/16  
Date

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

# SOLICITATION NUMBER: CRFQ ADJ1600000017

## Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ ADJ1600000017 ("Solicitation") to reflect the change(s) identified and described below.

### Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

### Description of Modification to Solicitation:

1. To delete Section 4.1 contained in the specifications in its entirety and replace with the following language:

4.1 The Contract is intended to provide the Agency with a purchase price for the Contract Services. The contract will be awarded based on the grand total of the Base Bid and any Alternate Bid Items. Owner will select Alternate Bid Items in the priority listed, providing the best value to the Owner. The Owner reserves the right to accept or reject the alternate bid(s) if the costs exceed the amount budgeted by funding sources for the project.

2. Revised Bid Form attached.
3. If applicable, responses to vendor questions will be issued by a separate addendum.

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

### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ ADJ1600000017**

**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)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> 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 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.

INDIANA AIR TECHNOLOGIES  
Company  
REBECCA S. MECTON  
Authorized Signature  
2/22/16  
Date

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



EXHIBIT A

**RFQ# CRFQ ADJ1600000017**  
**Revised by Addendum No. 2 (issued 2/16/16)**

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO REMEDIATE MOLD IN THE HVAC SYSTEM AND CLEAN ALL DUCTWORK IN THE AASF # 1 FACILITY  
387 AVIATION DRIVE, WILLIAMSTOWN, WV 26187

**BID FORM**

The undersigned, hereafter called the Bidder, being familiar with and understanding the bidding documents; and being familiar with the site and all local conditions affecting the Project, hereby proposes to furnish labor, material, equipment, supplies, and transportation to perform the work as described in the bidding documents.

BIDDERS COMPANY NAME: INDOOR AIR TECHNOLOGIES, INC.

VENDOR ADDRESS: 33 WEST MAIN STREET  
VICTOR, NY 14564

TELEPHONE: 585-924-2010

FAX NUMBER: 585-924-2135

E-MAIL ADDRESS: REBECCA@IATCORPUSA.COM

WV CONTRACTOR'S LICENSE NO. WV 042764

**CONTRACT OVERALL TOTAL COST: BASE BID-CONTRACT ITEM NO. 1-Mold Remediation**  
SIXTY SEVEN THOUSAND, TWO HUNDRED FORTY AND 00/100

(\$ 67,240.00 ) \*\*\* (Contract bid to be written in words and numbers.)

**ALTERNATE NO. 1-CONTRACT ITEM NO. 2- Clean all ductwork in the facility:**  
THIRTEEN THOUSAND, ONE HUNDRED TWENTY AND 00/100

(\$ 13,120.00 ) \*\*\* (Contract bid to be written in words and numbers.)

The stated Base Bid is subject to the following additions for Alternates which the Owner may select. ('Provide' means 'furnish and install.' Include in bids below all related coordination and modification requirements associated with the Work of each Alternate). The contract will be awarded based on the grand total of the Base Bid and any Alternate Bid Items. OWNER will select Alternate Bid Items in the priority listed, providing the best value to the Owner. The Owner reserves the right to accept or reject the alternate bid(s) if the costs exceed the amount budgeted by funding sources for the Project.

Failure to use this bid form may result in bid disqualification.

SIGNATURE: [Signature] DATE: 2/18/16

NAME: REBECCA S. MELTON  
(Please Print)

TITLE: PRESIDENT



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: 176416

Doc Description: Addendum 2 Williamstown AASF1 Mold Remediation/Duct Cleaning

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-02-16	2016-02-23 13:30:00	CRFQ 0603 ADJ1600000017	3

**BID RECEIVING LOCATION**

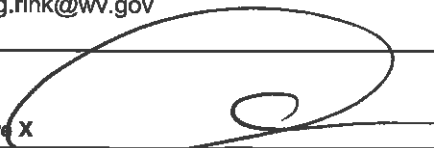
BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number  
  
**INDOOR AIR TECHNOLOGIES**  
 33 W. Main Street Victor, NY 14564  
 Phone: 585-924-2010 Fax: 585-924-2135

**FOR INFORMATION CONTACT THE BUYER**

Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

Signature 

FEIN # 16-1550919

DATE 2/18/16

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

**ADDITIONAL INFORMATION:**

Addendum No. 2 - See attached pages. To modify the specifications per the attached documentation and provide a revised bid form.

If applicable, responses to vendor questions will be issued under a separate addendum.

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Contract Item#1- Base Bid	1	JOB	\$ 67,240.00	\$ 67,240.00

Comm Code	Manufacturer	Specification	Model #
76101604			

**Extended Description :**

Contract Item 1- Base Bid- Labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Contract Item#2- Alternate No. 1	1	JOB	\$ 13,120.00	\$ 13,120.00

Comm Code	Manufacturer	Specification	Model #
76111602			

**Extended Description :**

Contract Item 2- Alternate No. 1- Ductwork cleaning, to clean ALL of the existing ductwork, per instructions.

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	MANDATORY PREBID MEETING	1/27/16 AT 10:30 AM EST
2	VENDOR QUESTION DEADLINE	2/5/2016 AT 4 PM EST

<b>ADJ160000017</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum 2 Williamstown AASF1 Mold Remediation/Duct Cleaning	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



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: 176416

Doc Description: Addendum 3 Williamstown AASF1 Mold Remediation/Duct Cleaning

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-02-17	2016-02-23 13:30:00	CRFQ 0603 ADJ1600000017	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:



**INDOOR AIR TECHNOLOGIES**

33 W. Main Street Victor, NY 14564

Phone: 585-924-2010 Fax: 585-924-2135

**FOR INFORMATION CONTACT THE BUYER**

Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

Signature X

FEIN # 16-1550919

DATE 2/18/16

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

**ADDITIONAL INFORMATION:**

**Addendum 3**

To provide answers to vendor questions and attach drawings

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Contract Item#1- Base Bid	1	JOB	\$ 67,240	\$ 67,240

Comm Code	Manufacturer	Specification	Model #
76101604			

**Extended Description :**  
Contract Item 1- Base Bid- Labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Contract Item#2- Alternate No. 1	1	JOB	* 13,120.00	\$ 13,120.00

Comm Code	Manufacturer	Specification	Model #
76111602			

**Extended Description :**  
Contract Item 2- Alternate No. 1- Ductwork cleaning, to clean ALL of the existing ductwork, per instructions.

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	MANDATORY PREBID MEETING	1/27/16 AT 10:30 AM EST
2	VENDOR QUESTION DEADLINE	2/5/2016 AT 4 PM EST

<b>ADJ160000017</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum 3 Williamstown AASF1 Mold Remediation/Duct Cleaning	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



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: 176416

Doc Description: Addendum 3 Williamstown AASF1 Mold Remediation/Duct Cleaning

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2016-02-17	2016-02-23 13:30:00	CRFQ 0603 ADJ1600000017	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



**INDOOR AIR TECHNOLOGIES**

33 W. Main Street Victor, NY 14564

Phone: 585-924-2010 Fax: 585-924-2135

**FOR INFORMATION CONTACT THE BUYER**

Crystal Rink  
 (304) 558-2402  
 crystal.g.rink@wv.gov

Signature X

FEIN #

16-1550919

DATE

2/18/16

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



**ADDITIONAL INFORMATION:**

**Addendum 3**

To provide answers to vendor questions and attach drawings

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Contract Item#1- Base Bid	1	JOB	\$67,240.00	\$67,240.00

Comm Code	Manufacturer	Specification	Model #
76101604			

**Extended Description :**

Contract Item 1- Base Bid- Labor, materials, and all associated costs to remediate mold and clean the existing ductwork at the Williamstown AASF#1

INVOICE TO		SHIP TO	
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR		BUILDING TRADE SPECIALIST ARMY AVIATION SUPPORT FACILITY 1 387 AVIATION DR	
CHARLESTON	WV25311	WILLIAMSTOWN	WV 26187
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Contract Item#2- Alternate No. 1	1	JOB	\$13,120.00	\$13,120.00

Comm Code	Manufacturer	Specification	Model #
76111802			

**Extended Description :**

Contract Item 2- Alternate No. 1- Ductwork cleaning, to clean ALL of the existing ductwork, per instructions.

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	MANDATORY PREBID MEETING	1/27/16 AT 10:00 AM EST
2	VENDOR QUESTION DEADLINE	2/5/2016 AT 04:00 PM EST

<b>ADJ1600000017</b>	<b>Document Phase</b> <b>Draft</b>	<b>Document Description</b> Addendum 3 Williamstown AASF1 Mold Remediation/Duct Cleaning	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**SOLICITATION NUMBER: CRFQ ADJ1600000017**  
**Addendum Number: 3**

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

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

1. To provide answers to vendor questions
2. To provide drawings

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

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

Vendor Questions for CRFQ 0603 ADJ1600000017  
Mold Remediation and Duct Cleaning at Williamstown AASF#1

1. Are we to use Prevailing Wage rate or Davis Bacon rates for this project?

**Answer)** Because there are Federal funds in this project, please use Davis Bacon Rates when calculating labor costs.

2. Does base bid consist of all mold remediation of all affected rooms and only 10' of each opening of the ducts?

**Answer)** Yes

3. Are we only remediating the rooms that failed on the prior testing? Or are we doing all offices with drop ceilings?

**Answer)** Yes, we are only remediating the rooms that failed on the prior testing. No, just the affected areas.

4. Who is supplying new filters for the units?

**Answer)** Owner will provide new filters for the affected units.

5. Are we cleaning exhaust ducts?

**Answer)** Yes

6. Where duct work is lined internally, are we to treat the liner with an antimicrobial agent?

**Answer)** Yes

7. Are we going to get drawings for this project?

**Answer)** Yes, the drawings that are available will be published as a part of this addendum.

8. Are you going to send us the testing reports so we know what rooms we have to do?

**Answer)** Testing reports were provided to all contractors in Addendum No.1 which was issued on 2 February 2016.

9. Are we to wipe all surface in the room that need to be remediated?

**Answer)** Yes

Vendor Questions for CRFQ 0603 ADJ1600000017  
Mold Remediation and Duct Cleaning at Williamstown AASF#1

10. Does testing need to be third party?

**Answer) Yes**

11. Are we only testing the area that fail prior to cleaning?

**Answer) Yes**

12. What is the spec on the tiles we have to replace?

**Answer) Owner will supply any tile that needs to be replaced.**

13. Will you issue a price sheet with unit pricing for replacing sheet rock?

**Answer) No a unit price sheet will not be issued, contractor should use their professional judgement to estimate how much sheet rock work, including materials, finish and prime, needs to be done in the affected areas.**

14. Are we responsible for painting if sheet rock work is done?

**Answer) Contractor is responsible to finish and prime (with Kilz or equal product) any sheet rock work that is below the drop ceiling. Owner will paint the affected areas.**

15. Do you have paint to match existing walls?

**Answer) No, however, as stated above the Owner will paint any affected areas.**

16. If ceiling grid has to be removed to get to sheet rock will this be handle by a change order?

**Answer) The owner will work with the selected contractor on any unforeseen issues that may arise during the project, and if a change order is needed it will be done.**

17. Are we responsible to clean above the ceiling tiles?

**Answer) Yes, if the ceiling tiles in question are located in mold affected areas.**

18. Are we responsible for cleaning every piece of furniture in rooms or can they be covered?

**Answer) The furniture can be covered.**

Vendor Questions for CRFQ 0603 ADJ1600000017  
Mold Remediation and Duct Cleaning at Williamstown AASF#1

19. Can we have a copy of all vendors that signed in?

**Answer)** Copies of the Pre-Bid meeting sign-in sheets were published with Addendum No. 1 which was issued on 2 February 2016.

20. How many hours can we work in a shift?

**Answer)** 8 to 10 hours per shift depending on how many days per week you work.

21. Can we work nights? Weekends? Dayshift?

**Answer)** This facility is staffed and works 6 different shifts, however, for the purposes of this contract, the successful contractor will work Dayshift.

22. Is the Alternate bid only referring to cleaning the complete HVAC system?

**Answer)** Yes, the Alternate is to clean all of the ductwork in the facility even areas not affected by mold.

23. Do we have to clean any of the ductless mini splits?

**Answer)** Yes, but only the ones that are affected by mold.

24. Can we go for a ride in the helicopters?

**Answer)** No

25. To clarify, according to the test results from the IEP (Astar Abatement) the following areas are the only areas to consider "affected" for purposes of our scope of work in this bid: Hall- Room 127, Supply- Room 116, QC Office- Room 106, Operations Room- Room 204, Men's -Room 201, Office- Room 228, GSE Building, Ladies- Room 216? Please identify any other areas that should be considered affected that are not listed above.

**Answer)** That is correct, the contractor is only responsible for remediating mold in the areas identified as being "affected", no other areas need to be done.

26. Can we have access to a set of the mechanical blueprints prior to bidding?

**Answer)** Yes, the drawings that are available will be published as a part of this addendum.

Vendor Questions for CRFQ 0603 ADJ1600000017  
Mold Remediation and Duct Cleaning at Williamstown AASF#1

27. Is the contractor responsible for removing and replacing all damaged ceiling tiles throughout the facility or just in the affected/work areas?

**Answer)** Yes, only in the affected areas, and the Owner will provide the tiles.

28. If there is affected drywall that needs to be removed and the drywall is above the drop ceiling, then the ceiling grid would need to be dismantled in order to remove the drywall and then reassembled after the drywall is replaced. Because there is no way to determine how many situations would fit this scenario during the walkthrough, would you like a per instance fee included on the bid?

**Answer)** Contractor should use their professional judgement to estimate how much sheet rock work or ceiling grid work, including materials, finish and prime, needs to be done in the affected areas and include in their bid.

29. Is the contractor responsible for replacing any drywall that has been removed by the contractor? If the contractor is responsible for the replacement of the drywall should the contractor include a per sqft cost for this service in the bid? The drywall will be hung, taped and floated unless otherwise clarified.

**Answer)** Yes, contractor is responsible for all debris removal and disposal related to this project. And as stated previously drywall will be hung, taped, floated and primed with Kilz or equal product.

30. Will the content, excluding furniture, be removed from the active work areas prior to work beginning in those areas by the owner or will the contractor be responsible for removing the content?

**Answer)** The Owner will be responsible for removing the content from any affected areas that need to be remediated.

31. Clarification, according to the IEP (Astar Abatement) the contractor should clean all content that is associated with an affected area. If the contractor is not allowed to clean all the content then the content can not be moved back into the work area until after final testing and clearance.

**Answer)** The statement above, while not really a question, is correct. Contractor shall take steps to insure there is not cross contamination, the owner will cooperate in this effort.



Vendor Questions for CRFQ 0603 ADJ1600000017  
Mold Remediation and Duct Cleaning at Williamstown AASF#1

32. Is the base bid to include cleaning 10 LF of duct work in both directions from every register on all 14 air duct systems in the facility or just the 10 LF of duct work in the affected areas?

**Answer)** Contractor must clean the 10 LF, in both directions, of duct work only in the affected areas.

33. In regards to the clearance test from an IEP, what is being defined as passing? i.e. Same or lower levels of contaminants found outside of the facility?

**Answer)** At the completion of remediation in each respective area a walk through visual exam shall be performed by a "third party consultant" before taking the post remediation air or swab samples. This is to ensure that the remediation area is free of dust/debris. If the area passes the "white glove" test the post remediation samples shall be collected and forwarded to a laboratory for analysis.

Laboratory results of the indoor samples should reflect a lower number than the outdoor samples.

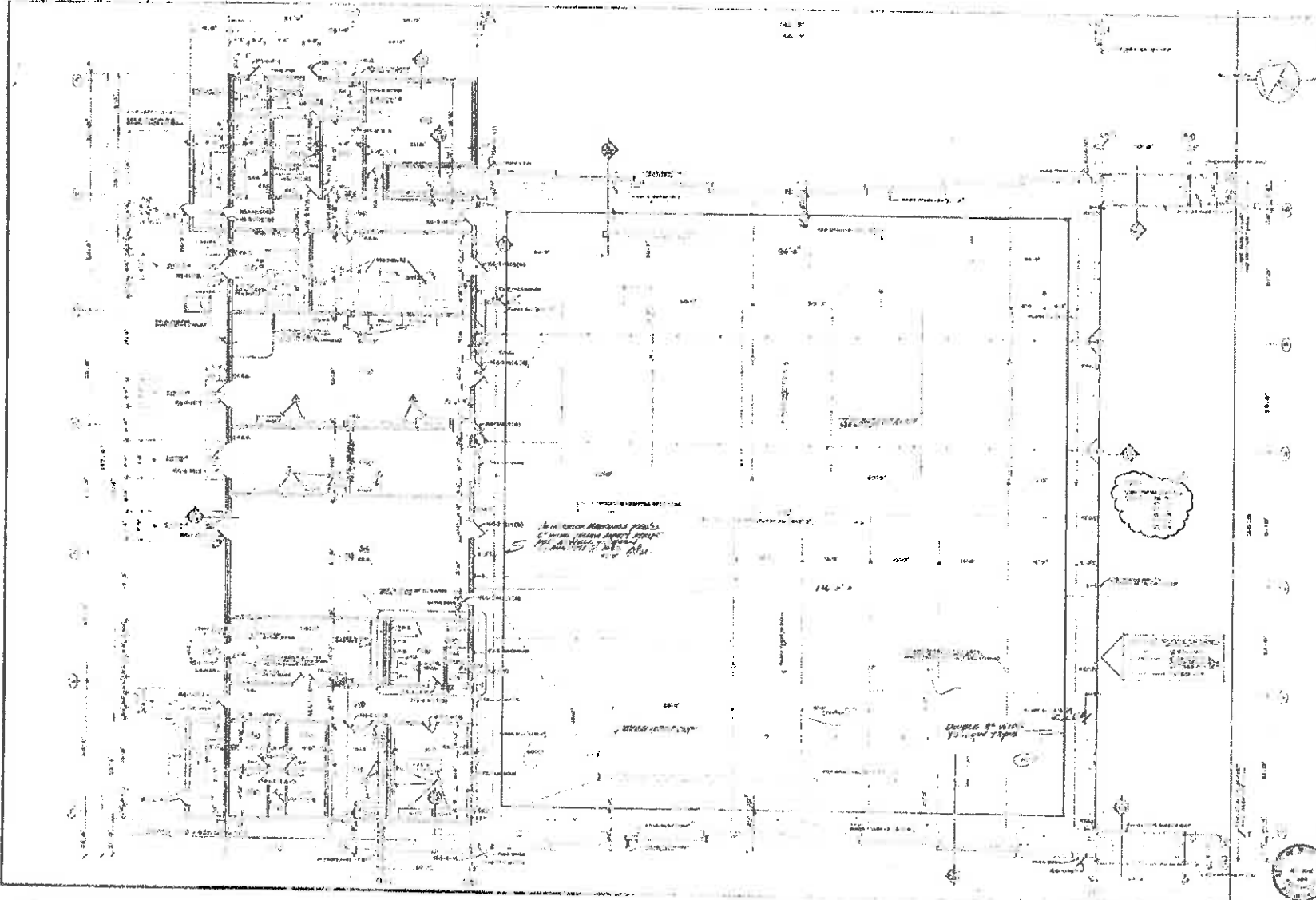
For Post remediation sampling mold species of Penicillium/Aspergillus should be less than 200c/m<sup>3</sup>.

For Post remediation sampling there should be NO LEVELS of mold species Stachybotrys; Trichoderma; Fusarium; Memnoniella; and Chaetomium.

If these species are evident in post remediation it will require re-cleaning and re-testing.

34. Concerning the clearance testing, only the areas previously tested by the IEP (Astar Abatement) will be required to be tested again for clearance?

**Answer)** Yes, the contractor must test only the areas previously tested by the IEP and identified as being affected with mold.



*In all cases Materials shall be of the highest quality and shall conform to the specifications of the Army.*

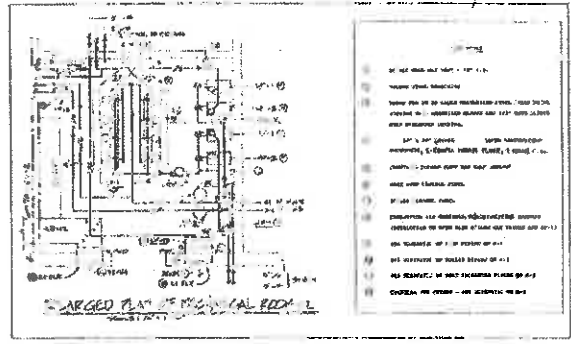
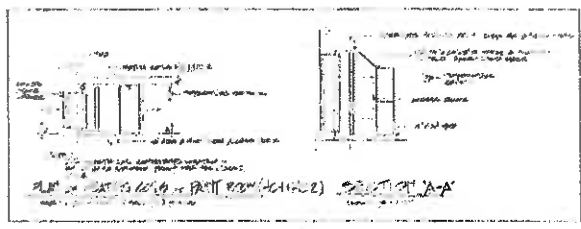
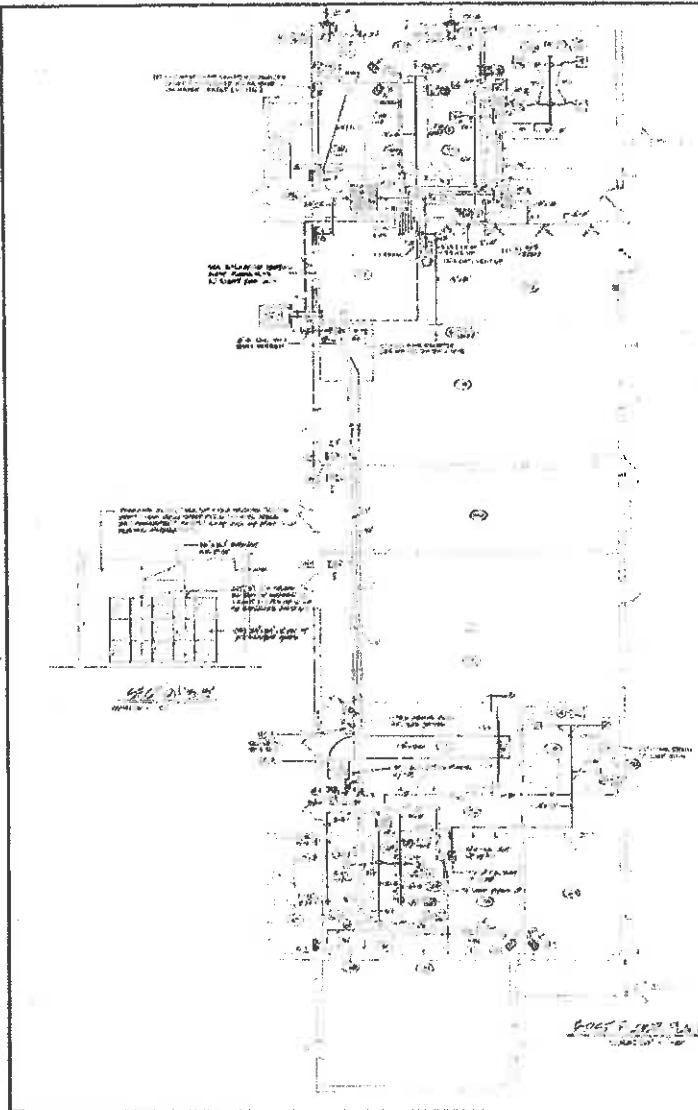
*Double 8" wide  
Yellow doors*

SILVING ASSOCIATES, INC. - ARCHITECTS-PLANNERS  
 115 SOUTH STREET, SUITE 200  
 CHARLOTTE, N.C. 28202

ARMY AVIATION SUPPORT FACILITY  
 WEST VIRGINIA ARMY NATIONAL GUARD  
 WOOD COUNTY CAMP, CHARLESTON, WEST VIRGINIA  
 THE ARCHITECTS' BOARD - STATE OF WEST VIRGINIA  
 1500 CROSS STREET, CHARLESTON, WEST VIRGINIA

FIRST FLOOR PLAN





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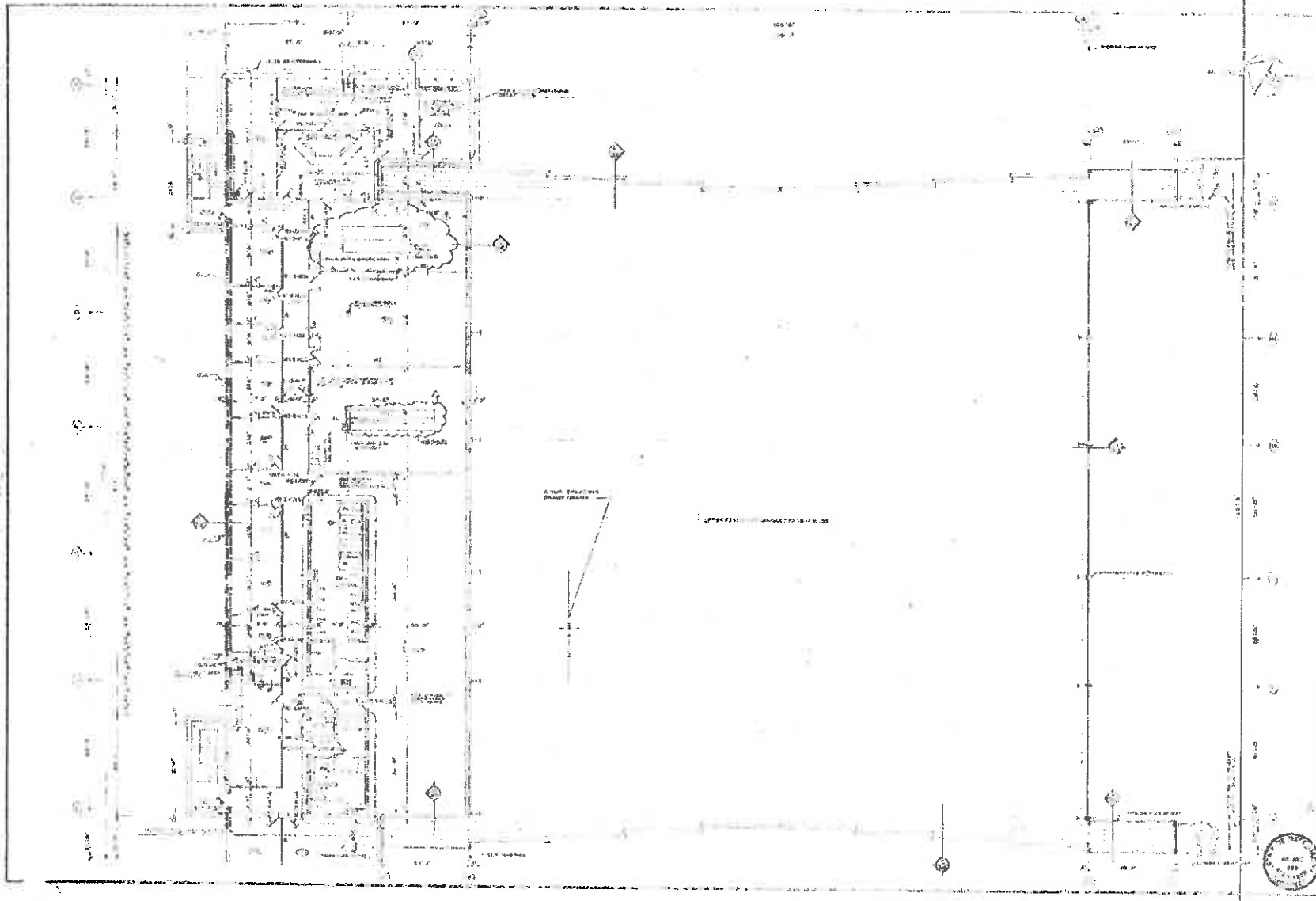
SILLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
 1000 COMMONWEALTH DRIVE, SUITE 1000  
 FALLS CHURCH, VIRGINIA 22044  
 PHONE (703) 441-1100

ARMY AVIATION SUPPORT FACILITY  
 WEST VIRGINIA ARMY NATIONAL GUARD  
 HOOVER AIRPORT - PARKERSBURG, WEST VIRGINIA  
 THE ARCHITECT BOARD - STATE OF WEST VIRGINIA  
 WEST VIRGINIA ARCHITECTS ASSOCIATION

WEST VIRGINIA  
 ARCHITECTS ASSOCIATION



DATE: \_\_\_\_\_ SCALE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
**M-1**

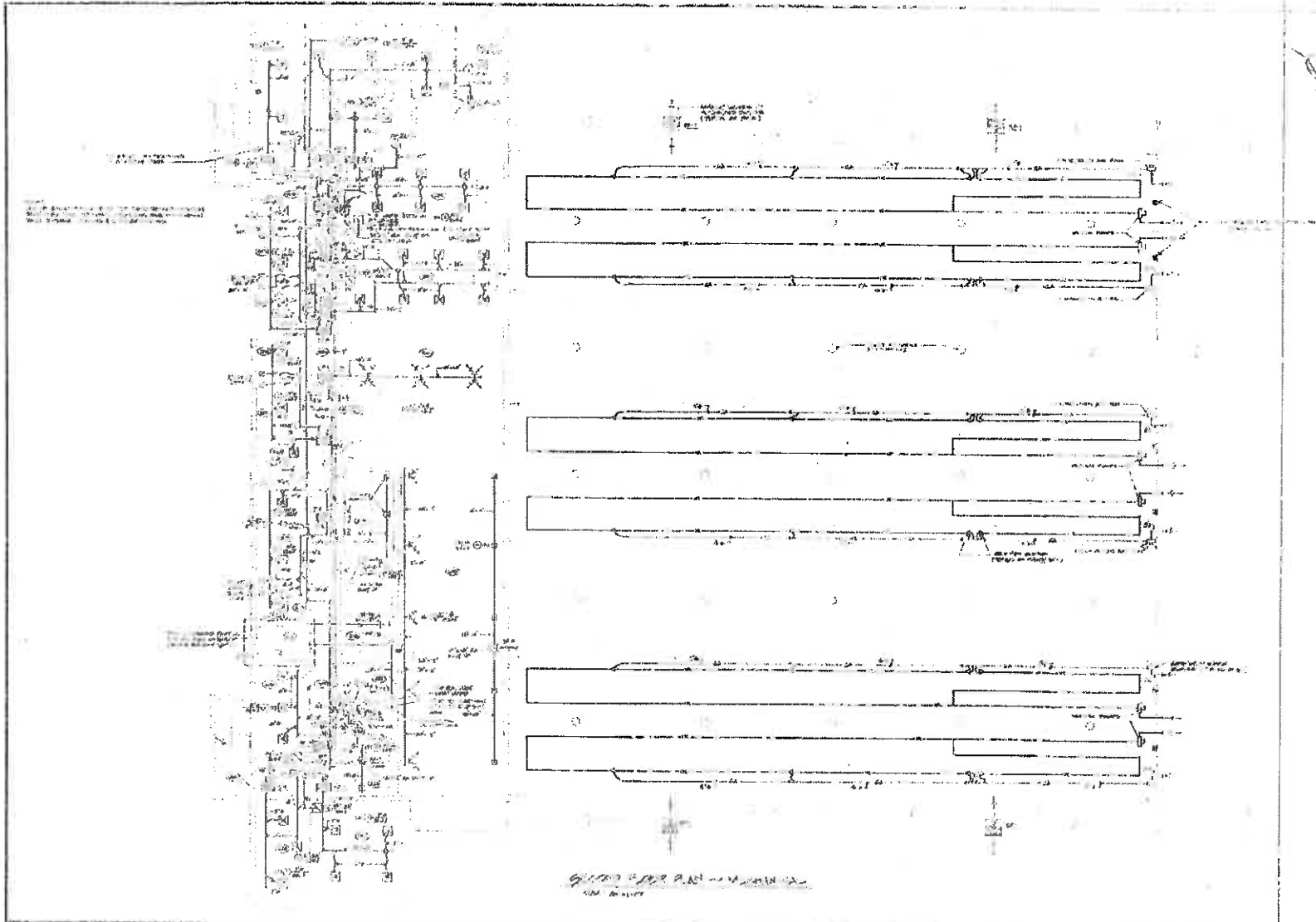


SECOND FLOOR PLAN  
 1/10/54

ARMY AVIATION SUPPORT FACILITY  
 WEST VIRGINIA ARMY NATIONAL GUARD  
 LOGO COMPANY, AIRPORT - PARKERSBURG, WEST VIRGINIA  
 THE ARMORY BOARD - STATE OF WEST VIRGINIA  
 1007 CORNHILL, SENECA - CHARLESTON, WEST VIRGINIA

SILLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
 111 EAST - 10th - SUITE 1  
 CHARLOTTE, N.C. 28202





SECOND FLOOR PLAN - GENERAL



SULLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
 100 SOUTH MAIN STREET, SUITE 200  
 CHARLESTON, WEST VIRGINIA, 25301

ARMY AVIATION SUPPORT FACILITY  
 WOOD COUNTY AIRPORT - PARKERSBURG, WEST VIRGINIA  
 THE ARMORY BOARD - STATE OF WEST VIRGINIA  
 1701 COOKSBURY DRIVE - CHARLESTON, WEST VIRGINIA

DATE: 11/11/64  
 DRAWN: [Signature]  
 CHECKED: [Signature]

M-2

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: ADJ1600000017**

**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)

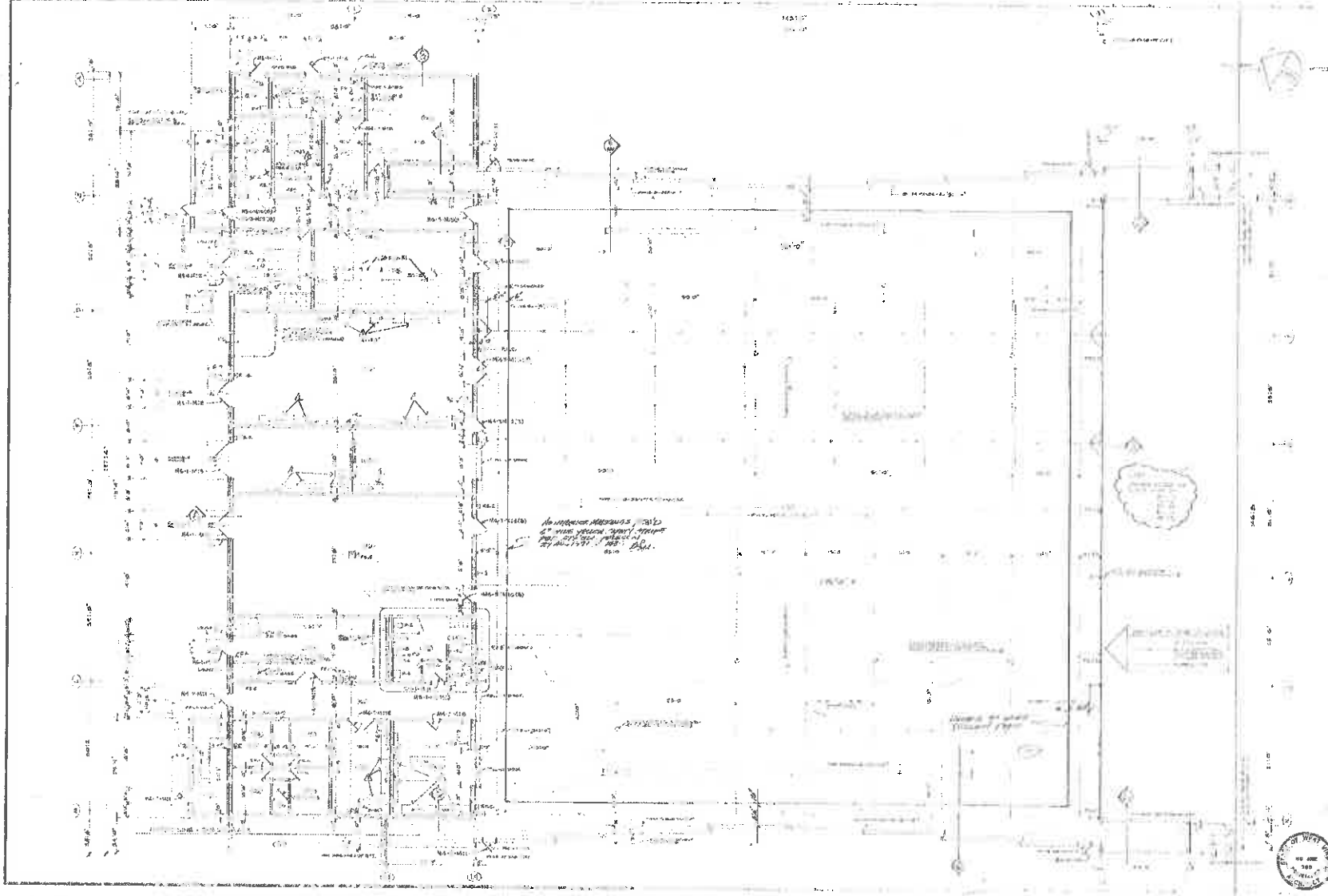
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|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> 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.

INDOOR AIR TECHNOLOGIES  
Company

REBECCA S. MELTON  
Authorized Signature

2/22/16  
Date



*Handwritten note:*  
 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

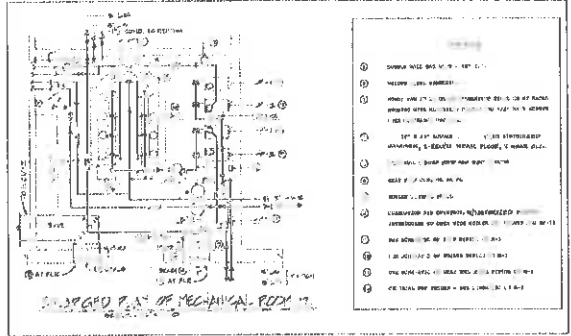
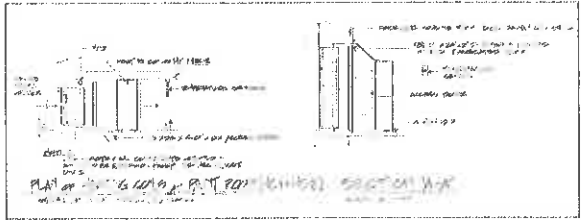
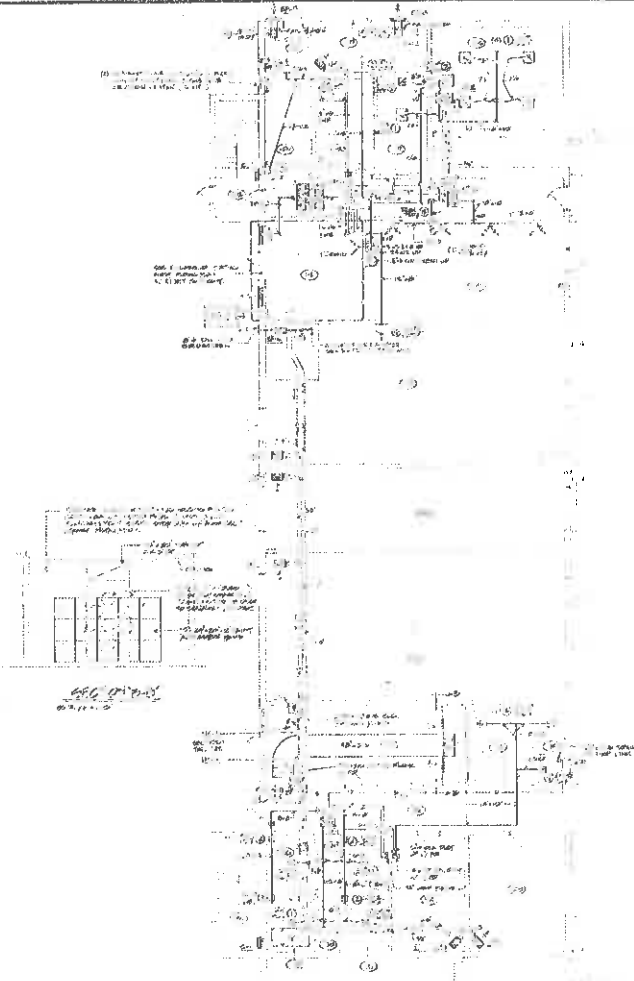
ARMY AVIATION SUPPORT FACILITY  
 WOOD COUNTY AIRPORT - PARKERSBURG, WEST VIRGINIA  
 THE AIR FORCE BOARD - STATE OF WEST VIRGINIA  
 1737 COCKRAIN DR. E. CHARLESTON, WEST VIRGINIA

SELLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
 405 BARKER STREET - W. CHARLESTON, WEST VIRGINIA

FIRST FLOOR PLAN



DATE: 12/15/60  
 DRAWING TITLE: FIRST FLOOR PLAN



| NO. | DESCRIPTION   |
|-----|---|
| 1   | GENERAL WALL AND CEILING  |
| 2   | FLOOR AND FINISHES  |
| 3   | MECHANICAL EQUIPMENT TO BE LOCATED AS SHOWN WITH ALL NECESSARY CLEARANCES |
| 4   | ELECTRICAL PANELS   |
| 5   | TELEPHONE AND DATA EQUIPMENT  |
| 6   | MECHANICAL EQUIPMENT  |
| 7   | ELECTRICAL EQUIPMENT  |
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| 19  | ELECTRICAL EQUIPMENT  |
| 20  | MECHANICAL EQUIPMENT  |

**SILLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS**  
 CONSULTANTS - WEST VIRGINIA

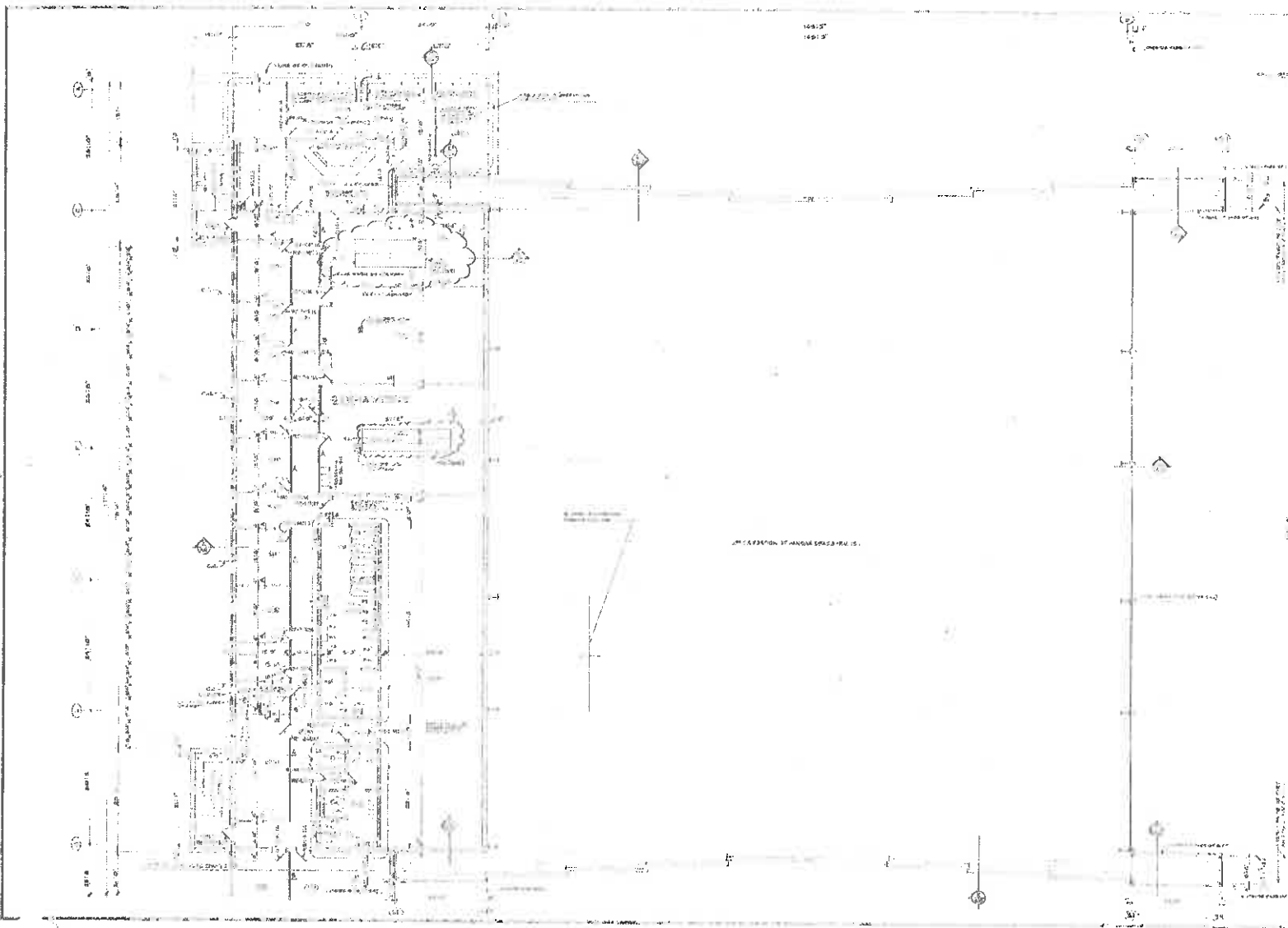
**ARMY AVIATION SUPPORT FACILITY**  
 WOOD COUNTY AIRPORT - PARKERSBURG, WEST VIRGINIA  
**THE ARMORY BOARD - STATE OF WEST VIRGINIA**  
 1707 COCONUTS DRIVE - CHARLESTON, WEST VIRGINIA

Post # 1002  
 Mechanical Part 1



**M-1**





SECOND FLOOR PLAN  
 1:1/4" = 1'-0"

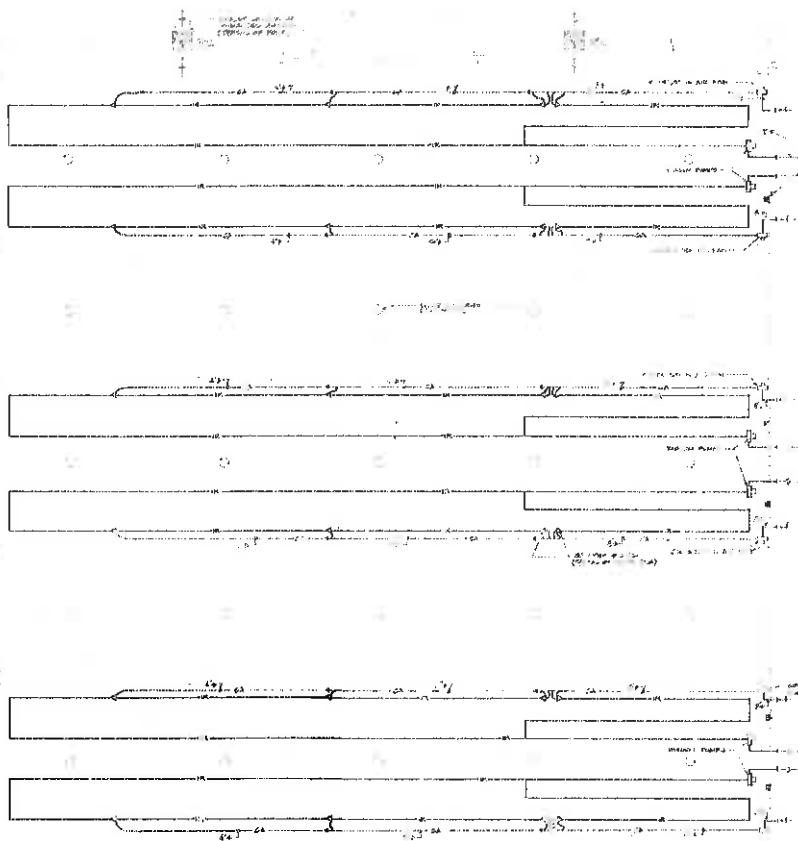
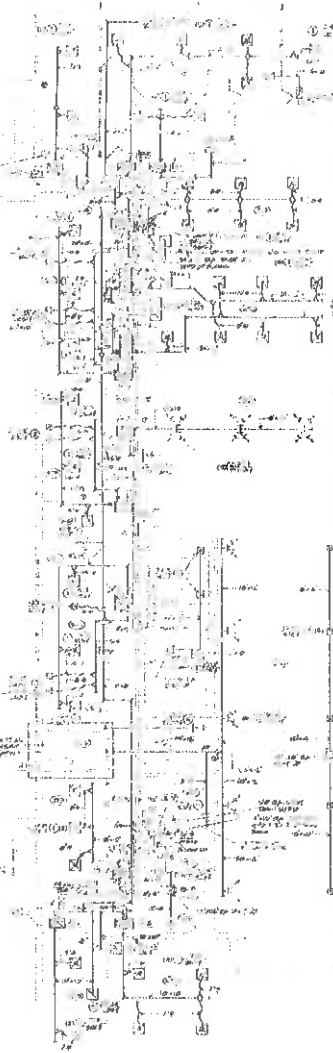
ARMY AVIATION SUPPORT FACILITY  
 WEST VIRGINIA ARMY NATIONAL GUARD  
 WOOD COUNTY AIRPORT - PARKERSBURG, WEST VIRGINIA  
 THE ARCHITECTS BOARD - STATE OF WEST VIRGINIA  
 1007 COCKBURN DRIVE - CHARLESTON, WEST VIRGINIA

BILLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
 100 W. 11th St., Suite 100  
 Charleston, West Virginia, 25301



ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.

NOTES:  
1. SEE SHEET 101 FOR GENERAL NOTES.  
2. SEE SHEET 102 FOR GENERAL NOTES.



SECTION 101 - 102 - 103 - 104

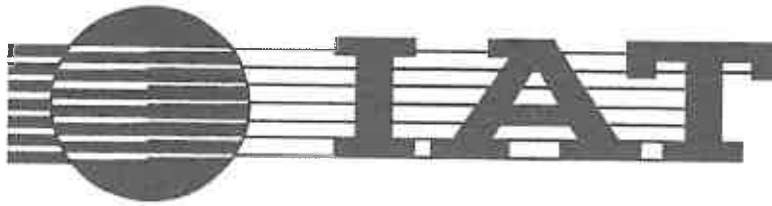


SULLING ASSOCIATES, INC. - ARCHITECTS - PLANNERS  
401 MARKET STREET, SUITE 200  
CHARLESTON, WEST VIRGINIA 25301

ARMY AVIATION SUPPORT FACILITY  
WOOD COUNTY AIRMOBILITY CENTER  
THE ARMOY BOARD - STATE OF WEST VIRGINIA  
1701 COOKMAN DRIVE - CHARLESTON, WEST VIRGINIA

*Handwritten signature*  
DATE: 10/15/84

SCALE: 1/8" = 1'-0"  
M-2



33 West Main Street  
Victor, NY 14564  
585-924-2010 Fax 585-924-2135  
1-888-458-4850  
[www.iatcorpUSA.com](http://www.iatcorpUSA.com)

## **Key Personnel & Qualifications**

### **Rebecca Melton-President & CEO**

NADCA ASCS Certified, VSMR  
rebecca@iatcorpUSA.com  
Office: 585-924-2010

### **Robert A. Melton-Director of Project Operations**

NADCA ASCS, VSMR, CVI Certified, CMR,  
OSHA: HAZWOPER, OSHA 30, Respirator, Haz-Com, Permit Required Confined Space, Lock out/Tag Out, Fall Protection, L, M, & X, Asbestos & Lead Awareness, 8hr Refresher  
Certified Mold Remediator,  
robert@iatcorpUSA.com  
Mobile: 585-683-5051

### **Edward Hernandez-Safety Officer**

NADCA ASCS, VSMR, ACAC, CMRS, Asbestos/Lead Certified  
OSHA: HAZWOPER, 30, Respirator, Haz-Com, Permit Required Confined Space, Lock out/Tag Out, Fall Protection L, M, & X, Asbestos & Lead Awareness, 8hr Refresher  
edward@iatcorpUSA.com  
Mobile: 585-509-0555

### **Walter Melton-Superintendent**

NADCA ASCS, VSMR, ACAC, CMRS, Pesticide Certified, OSHA 30, Hazwoper: Respirator, Haz-Com, Permit Required Confined Space, Lock out/Tag Out, Fall Protection L, M, & X, Asbestos & Lead Awareness, 8hr Refresher  
walt@iatcorpUSA.com  
Mobile: 585-472-5770

### **Kim Swartz-Project Administrator**

New York State Notary  
kim@iatcorpUSA.com  
Office: 585-924-2010  
Fax: 585-924-2135



## INDOOR AIR TECHNOLOGIES

### GOVERNMENTAL AND SECURE FACILITY PROJECTS

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|  |                              |  |               |                     |
|--|------------------------------|--|---------------|---------------------|
| <b>Defence Logistics Agency</b>                  | <b>Contact: Douglas Betz</b> | <b>209-839-4232</b>  | <b>Feb-16</b> | <b>\$ 84,130.00</b> |
| 25600 South Chrisman Road<br>Tracy, CA 95304     |                              | <a href="mailto:douglas.betz@dla.mil">douglas.betz@dla.mil</a>                       |               |                     |
| <b>HVAC System Duct Cleaning</b>                 |                              |  |               |                     |
| <hr/>  |                              |  |               |                     |
| <b>GPO Building</b>                              | <b>Contact: Bryan Cook</b>   | <b>202-512-1018</b>  | <b>Nov-15</b> | <b>\$ 87,120.00</b> |
| 732 North Capitol Street<br>Washington, DC 20002 |                              | <a href="mailto:bcook@gpo.gov">bcook@gpo.gov</a>                                     |               |                     |
| <b>HVAC System Duct Cleaning</b>                 |                              |  |               |                     |
| <hr/>  |                              |  |               |                     |
| <b>Penobscot Jail</b>                            | <b>Contact: Cap Ayer</b>     | <b>207-944-5447</b>  | <b>Oct-15</b> | <b>\$ 74,670.00</b> |
| 85 Hammond Street<br>Bangor, ME 04401            |                              | <a href="mailto:bayer@penobscot-county.net">bayer@penobscot-county.net</a>           |               |                     |
| <b>HVAC System Duct Cleaning</b>                 |                              |  |               |                     |
| <hr/>  |                              |  |               |                     |
| <b>Benton County Jail Admin Building</b>         | <b>Contact: John Sudduth</b> | <b>501-227-8900</b>  | <b>Mar-15</b> | <b>\$116,000.00</b> |
| 1300 SW 14th Street<br>Bentonville, AR 72712     |                              | <a href="mailto:john.sudduth@bentoncountyar.gov">john.sudduth@bentoncountyar.gov</a> |               |                     |
| <b>Mold/Moisture Remediation</b>                 |                              |  |               |                     |

# CONTRACTOR LICENSE

Authorized by the

**West Virginia Contractor Licensing Board**

**Number:** WV042764

**Classification:**  
HEATING, VENTILATING & COOLING

INDOOR AIR TECHNOLOGIES INC  
DBA INDOOR AIR TECHNOLOGIES INC  
33 WEST MAIN STREET  
VICTOR, NY 14564

**Date Issued**

JULY 25, 2015

**Expiration Date**

JULY 25, 2016

Authorized Company Signature

*Michael A. Carl*

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.

**Kim Swartz**

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**From:** Rink, Crystal G <Crystal.G.Rink@wv.gov>  
**Sent:** Thursday, February 18, 2016 2:48 PM  
**To:** 'Kim Swartz'  
**Subject:** RE: CRFQ 0603 ADJ160000017 Williamstown AASF - Mold Remediation

Kim,

Please see below:

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.

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**From:** Kim Swartz [mailto:kim@iatcorpusa.com]  
**Sent:** Thursday, February 18, 2016 1:31 PM  
**To:** Rink, Crystal G  
**Subject:** CRFQ 0603 ADJ160000017 Williamstown AASF - Mold Remediation

Hello,

Can the 5% bid security for the CRFQ 0603 ADJ160000017 Williamstown AASF - Mold Remediation project be submitted via certified check?

Thank you,

Kim Swartz  
*Indoor Air Technologies, Inc.*  
*33 West Main Street*  
*Victor, NY 14564*  
(585) 924-2010 office  
(585) 924-2135 fax  
[www.indoorairtechnologies.com](http://www.indoorairtechnologies.com)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ADMINISTRATION  
PURCHASING DIVISION  
2019 WASHINGTON STREET, EAST  
POST OFFICE BOX 50130  
CHARLESTON, WEST VIRGINIA 25305-0130  
04/04/2014

REBECCA MELTON/JENNIFER HORTON  
INDOOR AIR TECHNOLOGIES INC  
33 WEST MAIN ST

VICTOR NY 14564

THIS IS TO NOTIFY YOU THAT YOUR REQUEST FOR CERTIFICATION AS A SMALL BUSINESS, A WOMEN-OWNED BUSINESS, OR A MINORITY-OWNED BUSINESS HAS BEEN APPROVED ON THE BASIS OF YOUR REPRESENTATIONS THAT THE VENDOR NAMED ABOVE MEETS THE DEFINITION OF A SMALL BUSINESS, A WOMEN-OWNED BUSINESS, OR A MINORITY-OWNED BUSINESS AS SET FORTH IN THE WEST VIRGINIA CODE OF STATE RULES 148-22-1, ET SEQ. THIS CERTIFICATION BECOMES EFFECTIVE:

04/04/2014

AND SHALL AUTOMATICALLY EXPIRE WITHOUT NOTICE TWO YEARS AFTER THE EFFECTIVE DATE UNLESS REVOKED BY THE PURCHASING DIRECTOR OR UPON EXPIRATION PURSUANT TO CSR 148-22-8. TYPE OF CERTIFICATION:

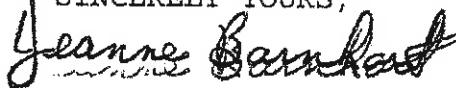
\*WOMEN-OWNED\*

TO MAINTAIN CERTIFICATION WITHOUT LAPSE, A CERTIFIED BUSINESS SHALL APPLY TO RENEW ITS CERTIFICATION AT LEAST 60 DAYS PRIOR TO THE END OF THE TWO-YEAR CERTIFICATION PERIOD. COMPLETE RENEWAL INSTRUCTIONS, RECERTIFICATION FORMS, AND A LIST OF ALL CERTIFIED BUSINESSES ARE AVAILABLE ONLINE AT:

[HTTP://WWW.STATE.WV.US/ADMIN/PURCHASE/VENDORREG.HTML](http://www.state.wv.us/admin/purchase/vendorreg.html)

IF YOU HAVE QUESTIONS, CONTACT THE PURCHASING DIVISION AT 304-558-2306.

SINCERELY YOURS,



VENDOR REGISTRATION



hereby grants

# National Women's Business Enterprise Certification

to

## Indoor Air Technologies, Inc.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).  
This certification affirms the business is woman-owned, operated and controlled; and is valid through the date herein.

WBENC National WBE Certification was processed and validated by Women Presidents' Educational Organization – NY, a WBENC Regional Partner Organization.

Expiration Date: 06/05/2016  
WBENC National Certificate Number: 2005122484

*Marsha Firestone, Ph.D.*

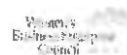
Authorized by Marsha Firestone, Ph.D., President & Founder  
Women Presidents' Educational Organization – NY



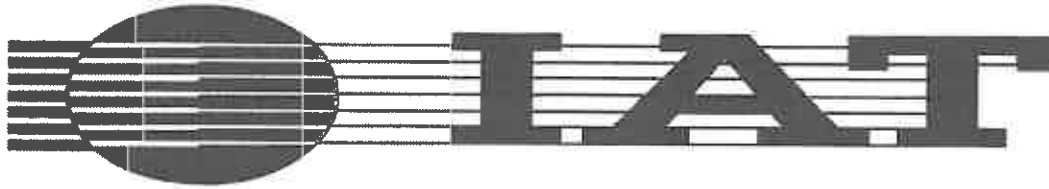
**WOMEN PRESIDENTS'**  
**Educational Organization**  
PROVIDING WBENC CERTIFICATION

NAICS Codes: 561790, 238990

UNSPSC Codes: 76111602







# INDOOR AIR TECHNOLOGIES

## MOLD MITIGATION/REMEDATION PROJECTS

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**Tewksbury Hospital  
Tewksbury, MA**

365 East Street  
Tewksbury, MA 01876  
Basement Mold Remediation

Contact: Patty-Jo Hanley      978-851-7321      Oct-15      \$ 15,700.00  
[patty-jo.hanley@massmail.state.ma.us](mailto:patty-jo.hanley@massmail.state.ma.us)

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**Rochester Community and Technical College  
State of Minnesota**

2900 UCR Place  
Rochester, MN 55904  
HVAC System Mold Mitigation

Contact: Ramon Staloch      507-285-7479      Apr-15      \$ 82,280.00  
[roman.staloch@rctc.edu](mailto:roman.staloch@rctc.edu)

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**Benton County Jail Admin Building  
Benton County**

1300 SW 14th Street  
Bentonville, AR 72712  
Mold/Moisture Remediation

Contact: John Sudduth      501-227-8900      Mar-15      \$116,000.00  
[john.sudduth@bentoncountyar.gov](mailto:john.sudduth@bentoncountyar.gov)

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**Avalon Elementary School  
Northgate School District**

721 California Avenue  
Pittsburgh, PA 15202  
Gym Hardwood Floor Mold Remediation

Contact: Christopher Ursu      412-732-3300      Dec-14      \$ 21,400.00  
[cursu@northgate.k12.pa.us](mailto:cursu@northgate.k12.pa.us)

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**Heron Hills Winery**

9301 County Route 76  
Hammondspport, PA 14840  
Cellar Cleaning and Mold Remediation

Contact: Paul Wilson      800-441-4241      Aug-14      \$ 21,300.00

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**US Coast Guard Rowing Center**

15 Mohegan Avenue  
New London, CT 06320  
Fungal Remediation

Contact: Bryan Goff      860-625-1047      May-14      \$ 28,430.00

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**Crowell Gymnasium  
Town of Shelburne**

51 Bridge Street  
Shelburne, MA 01370  
Mold Remediation

Contact: Joe Judd      413-625-0300      Dec-12      \$ 18,400.00  
[joe@blackmers.com](mailto:joe@blackmers.com)

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**Charleston AFB  
628th Contracting Squadron**

101 East Hill Blvd Building 503  
Joint Base Charleston, SC 29404  
Mold Remediation

Contact: Tamara Lee      843-963-5158      Apr-11      \$ 18,800.00  
[tamara.lee.4@us.af.mil](mailto:tamara.lee.4@us.af.mil)

## DUCT CLEANING PROJECT REFERENCES

|  |   |                      |               |        |
|--|---|----------------------|---------------|--------|
| <b>Advanced Glass-Rochester, NY</b>                                  | Contractor: Serv Pro<br>Contact: Mr. Jim Wandtke                        | 585-704-6166         | \$ 25,520.00  | Feb-14 |
| <b>Air Gas - Dansville, NY</b>                                       | Contractor: Indoor Air Technologies, Inc.<br>Contact: Mike Smith        | 585-943-9702         | \$ 134,500.00 | Jun-15 |
| <b>Attica Correctional Facility-Attica, NY</b>                       | Contractor: Indoor Air Technologies<br>Contact: Mike Lemo               | 585-591-2000 x 3951  | \$ 1,900.00   | Oct-13 |
| <b>Avalon Elementary School - Pittsburgh, PA</b>                     | Contractor: Indoor Air Technologies<br>Contact: Chris Ursu              | 412-732-3300         | \$ 21,400.00  | Dec-14 |
| <b>Bed Bath &amp; Beyond-Batavia, NY</b>                             | Contractor: COR Veterans Memorial Drive Company<br>Contact: Tim Winters | 315-863-2100         | \$ 23,615.00  | Apr-14 |
| <b>Berlin Elementary-Cherry Plain, NY</b>                            | Contractor: Crisafulli Bros.<br>Contact: Jenniffer Wright               | 518-449-1782         | \$ 4,900.00   | Jul-14 |
| <b>Berry Plastics-Macedon, NY</b>                                    | Contractor: Emcor Services<br>Contact: Jeff Izzo                        | 585-271-5500 x 4785  | \$ 13,426.56  | Mar-14 |
| <b>BLM Elko District-Elko, NV</b>                                    | Contractor: Indoor Air Technologies<br>Contact: Eric Ryder              | 775-753-0211         | \$ 73,113.02  | Nov-13 |
| <b>Bloomsburg University Scranton Commons-Bloomsburg, PA</b>         | Contractor: Master Mechanical<br>Contact: Leslie Marchetti              | 570-929-3609         | \$ 2,500.00   | Jun-15 |
| <b>Bloomsburg University Husky Lounge-Bloomsburg, PA</b>             | Contractor: Silvertip Inc.<br>Contact: Matt Schumacher                  | 570-412-0223         | \$ 7,600.00   | Jul-15 |
| <b>Brook Point HS-County of Stafford-Stafford, VA</b>                | Contractor: Indoor Air Technologies<br>Contact: Bob Randall             | 540-654-9005 x 42105 | \$ 74,930.00  | Jul-14 |
| <b>Carrick Regency Pittsburgh Housing Authority - Pittsburgh, PA</b> | Contractor: Indoor Air Technologies<br>Contact: Shawna Williams         | 412-481-3586         | \$ 19,400.00  | Nov-15 |
| <b>Cayuga Milk-Auburn, NY</b>  | Contractor: Indoor Air Technologies, Inc.<br>Contact: Doug Clark        | 315-364-0070 x 3206  | \$ 6,000.00   | Nov-15 |
| <b>Cayuga Milk-Auburn, NY</b>  | Contractor: Indoor Air Technologies, Inc.<br>Contact: Doug Clark        | 315-364-0070 x 3206  | \$ 10,000.00  | Jul-15 |
| <b>Cayuga Milk-Auburn, NY</b>  | Contractor: Indoor Air Technologies, Inc.<br>Contact: Doug Clark        | 315-364-0070 x 3206  | \$ 10,000.00  | Jul-15 |
| <b>Cayuga Milk-Auburn, NY</b>  | Contractor: Indoor Air Technologies, Inc.<br>Contact: Doug Clark        | 315-364-0070 x 3206  | \$ 15,000.00  | Aug-14 |
| <b>Central Preston Middle School - Kingwood, WV</b>                  | Contractor: AJ Demor & Sons, Inc.<br>Contact: Bryan Demor               | 412-856-5502         | \$ 31,900.00  | Aug-15 |
| <b>Chapel of Peace-Rochester, NY</b>                                 | Contractor: Lloyd Mechanical<br>Contact: Pat Lloyd                      | 585-392-6563         | \$ 2,700.00   | May-14 |
| <b>Charlotte Housing Authority - Charlotte, NC</b>                   | Contractor: Indoor Air Technologies<br>Contact: Fran King               | 704-336-7630         | \$ 118,870.00 | Jan-16 |
| <b>Clinton Hill Branch Library-Brooklyn, NY</b>                      | Contractor: Geomatrix Services<br>Contact: Bruce Waddell                | 732-568-9000 x 107   | \$ 4,800.00   | Mar-14 |
| <b>Clinton Hill Branch Library-Brooklyn, NY</b>                      | Contractor: Geomatrix Services<br>Contact: Bruce Waddell                | 732-568-9000 x 107   | \$ 5,825.00   | Dec-13 |
| <b>Clyde Savannah CSD-Clyde, NY</b>                                  | Contractor: Indoor Air Technologies<br>Contact: Dave Hauck              | 585-872-0220         | \$ 12,000.00  | Sep-13 |
| <b>Cornell University Mary Donlon-Ithaca, NY</b>                     | Contractor: Frey & Campbell Mechanical<br>Contact: David Brand          | 607-569-2297         | \$ 4,650.00   | Aug-13 |
| <b>Cornell University Riley Robb Hall-Ithaca, NY</b>                 | Contractor: Frey & Campbell Mechanical<br>Contact: Matt Buckman         | 607-569-2297         | \$ 1,400.00   | Apr-14 |
| <b>County of Middlesex-New Brunswick, NJ</b>                         | Contractor: Indoor Air Technologies<br>Contact: Ron Lovley              | 732-406-2920         | \$ 4,250.00   | Oct-13 |
| <b>Dauphin County commissioners Admin Building-Harrisburg, PA</b>    | Contractor: IAT<br>Contact: Mark Spatz                                  | 717-564-1121         | \$ 72,550.00  | Jun-14 |

|   |   |                    |               |        |
|---|---|--------------------|---------------|--------|
| <b>Defense Logistic Agency - Tracy, CA</b>                  | Contractor: Indoor Air Technologies<br>Contact: Douglas Betz              | 209-839-4232       | \$ 84,130.00  | Feb-16 |
| <b>Delaware Bay Sector Building-Philadelphia, PA</b>        | Contractor: Worth & Company, Inc<br>Contact: Devon Lauer                  | 267-632-1100       | \$ 11,000.00  | Jan-14 |
| <b>Doan Dodge-Rochester, NY</b>                             | Contractor: Indoor Air Technologies<br>Contact: Ray Helfrich              | 585-227-1900       | \$ 27,120.00  | Aug-14 |
| <b>Eastman Dental-Rochester, NY</b>                         | Contractor: Monroe Piping and Sheet Metal, Inc.<br>Contact: Mr. Matt Rose | 585-482-0200       | \$ 3,900.00   | Sep-13 |
| <b>ECMC Toxicology-Buffalo, NY</b>                          | Contractor: DV Brown<br>Contact: Bill Rhodes                              | 716-695-5533       | \$ 1,900.00   | Jul-14 |
| <b>East Preston School-Terra Alta, WV</b>                   | Contractor: C & T Mechanical<br>Contact: Craig Porter                     | 301-724-3660       | \$ 18,950.00  | Oct-13 |
| <b>East Rochester Union Free Schools-East Rochester, NY</b> | Contractor: Pipitone Enterprises, LLC<br>Contact: Tony Pipitone           | 585-293-0931       | \$ 4,000.00   | Jul-15 |
| <b>El Paso County Detention Center-El Paso, TX</b>          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Monique Aguilar     | 915-546-2009       | \$ 213,000.00 | Mar-14 |
| <b>Evangelical Hospital-Lewisburg, PA</b>                   | Contractor: Silvertip, Inc<br>Contact: Matt Shumacher                     | 570-523-1206       | \$ 3,450.00   | May-15 |
| <b>Evangelical Hospital-Lewisburg, PA</b>                   | Contractor: Silver Tip Inc.<br>Contact: Matt Shumacher                    | 570-523-1206       | \$ 3,450.00   | Jun-14 |
| <b>Evangelical Hospital-Lewisburg, PA</b>                   | Contractor: Silver Tip Inc.<br>Contact: Matt Shumacher                    | 570-523-1206       | \$ 13,999.00  | Jun-14 |
| <b>Evangelical Hospital POB Suite 118 -Lewisburg, PA</b>    | Contractor: Silvertip, Inc<br>Contact: Dustin Witmet                      | 570-412-0202       | \$ 3,100.00   | Oct-15 |
| <b>F &amp; A Building-Trenton, NJ</b>                       | Contractor: Plymouth Environmental Co, Inc.<br>Contact: Timothy Bryan     | 610-239-9920       | \$ 113,929.25 | Dec-13 |
| <b>Fauquier High School - Warrenton, VA</b>                 | Contractor: Indoor Air Technologies, Inc.<br>Contact: Warren Darrell      | 540-422-7202       | \$ 85,320.00  | Jul-15 |
| <b>Fort Drum-Indoor Firing Range-Fort Drum, NY</b>          | Contractor: Indoor Air Technologies<br>Contact: Ron Cobb                  | 315-772-1054       | \$ 37,120.00  | Apr-14 |
| <b>Fort Drum-Fort Drum, NY</b>                              | Contractor: Indoor Air Technologies<br>Contact: Allen T Clark             | 315-772-1138       | \$ 13,120.00  | Jun-13 |
| <b>Franciscan Sisters of Allegany-Allegany, NY</b>          | Contractor: Mazza Mechanical<br>Contact: Scott Puller                     | 716-701-9962       | \$ 9,000.00   | Apr-14 |
| <b>Gardner HS-Gardner, MA</b>                               | Contractor: Indoor Air Technologies, Inc.<br>Contact: Chris Casavant      | 978-632-1000       | \$ 13,120.00  | Aug-13 |
| <b>Geneva General Hospital - Geneva, NY</b>                 | Contractor: Trane, Inc.<br>Contact: Matt Dollard                          | 585-313-2461       | \$ 26,905.50  | Oct-15 |
| <b>Gleason Works of Rochester-Rochester, NY</b>             | Contact: Mr. Jim Turner   | 585-748-0677       | \$ 3,500.00   | Dec-15 |
| <b>Gleason Works of Rochester-Rochester, NY</b>             | Contact: Mr. Jim Turner   | 585-746-0677       | \$ 3,500.00   | Jun-15 |
| <b>Gleason Works of Rochester-Rochester, NY</b>             | Contact: Mr. Jim Turner   | 585-746-0677       | \$ 5,800.00   | 14-Jul |
| <b>Gleason Works of Rochester-Rochester, NY</b>             | Contact: Brian Laurer   | 585-256-6784       | \$ 6,700.00   | 13-Sep |
| <b>Gleason Works of Rochester-Rochester, NY</b>             | Contact: Mr. Jim Turner   | 585-746-0677       | \$ 3,500.00   | 1-Jun  |
| <b>Gloucester Fire Stations - Gloucester, MA</b>            | Contractor: Indoor Air Technologies<br>Contact: James Hafey               | 978-281-9807       | \$ 48,120.00  | Dec-15 |
| <b>GPO Building - Washington, DC</b>                        | Contractor: Indoor Air Technologies, Inc.<br>Contact: Bryan Cook          | 202-512-1018       | \$ 87,120.00  | Nov-15 |
| <b>Goldtex Penthouse-Philadelphia, PA</b>                   | Contractor: Post Brothers Apt.<br>Contact: Joshua Guelbart                | 215-586-4108       | \$ 2,800.00   | Jul-14 |
| <b>Graver Technologies, Inc.-Honeoye Falls, NY</b>          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Mr. Bellingham      | 585-624-1330 x 275 | \$ 2,900.00   | Jun-14 |

|   |   |                     |               |        |
|---|---|---------------------|---------------|--------|
| <b>Graver Technologies, Inc.-Honeoye Falls, NY</b>          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Mr. Bellingham                    | 585-624-1330 x 275  | \$ 2,900.00   | Nov-13 |
| <b>Graver Technologies, Inc.-Honeoye Falls, NY</b>          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Mr. Bellingham                    | 585-624-1330 x 275  | \$ 4,300.00   | Oct-13 |
| <b>Griffin Hall-Elizabeth City, NC</b>                      | Contractor: Baker Mechanical<br>Contact: Joe Morris                                     | 252-291-2284        | \$ 10,400.00  | Nov-13 |
| <b>Harrisburg Hospital CTICU-Harrisburg, PA</b>             | Contractor: G. R. Sponaugle and Sons<br>Contact: Kelly Hall                             | 717-418-6166        | \$ 10,830.00  | Oct-13 |
| <b>Harrisburg Hospital Cardiac Unit-Harrisburg, PA</b>      | Contractor: Frey Lutz Corp<br>Contact: Bill Zarreay                                     | 717-898-6808        | \$ 13,900.00  | Sep-13 |
| <b>Hermitage High School - Henrico, VA</b>                  | Contractor: Indoor Air Technologies, Inc.<br>Contact: Earle Sale                        | 804-387-7014        | \$ 154,850.00 | Sep-15 |
| <b>Heron Hill Winery-Hammondsport, NY</b>                   | Contractor: Indoor Air Technologies<br>Contact: Paul Wilson                             | 800-441-4241 x 25   | \$ 23,004.00  | Aug-14 |
| <b>Hershey Medical Center-Hershey, PA</b>                   | Contractor: Silvertip Inc.<br>Contact: Seth Bilger                                      | 570-523-1208        | \$ 6,400.00   | Jul-14 |
| <b>Houghton College-Houghton, NY</b>                        | Contractor: Crosby Brownlie<br>Contact: Matt Rose                                       | 585-325-1290        | \$ 9,800.00   | Jul-14 |
| <b>Iowa State University-Ames, IA</b>                       | Contractor: Vet Med #3<br>Contractor: Indoor Air Technologies<br>Contact: Rich Corcoran | 515-509-9983        | \$ 24,430.00  | Aug-13 |
| <b>Iowa State University Durham Center - Ames, IA</b>       | Contractor:<br>Contact: Steve Rentschler  | Steve Rentschler    | \$ 37,120.00  | Oct-15 |
| <b>Iowa State University Parks Library - Ames IA</b>        | Contractor:<br>Contact: Steve Rentschler  | Steve Rentschler    | \$ 22,800.00  | Oct-15 |
| <b>James Moran MS-Wallingford, CT</b>                       | Contractor: Indoor Air Technologies, Inc.<br>Contact: Randy McPherson                   | 203-949-6585        | \$ 18,023.60  | Sep-13 |
| <b>Jamestown Yorktown Foundation - Williamsburg, VA</b>     | Contractor: Indoor Air Technologies, Inc.<br>Contact: Todd Johnson                      | 757-253-4864        | \$ 13,120.00  | Nov-15 |
| <b>Jefferson Elementary-Mt. Cobb, PA</b>                    | Contractor: Yannuzzi Inc.<br>Contact: Joe Curreri                                       | 570-455-7502        | \$ 14,800.00  | Aug-13 |
| <b>Keuka College Weed Arts Center-Keuka Park, NY</b>        | Contractor: Kimble Inc.<br>Contact: Marco Bertron                                       | 607-734-4123        | \$ 6,000.00   | Aug-14 |
| <b>Kodak Building 12 - Rochester, NY</b>                    | Contractor: Leo J. Roth, Inc.<br>Contact: Ed Heckle                                     | 585-261-9233        | \$ 3,600.00   | Aug-15 |
| <b>Kutztown University Lehigh Hall-Kutztown, PA</b>         | Contractor: Shannon A. Smith<br>Contact: Kevin Leibensperger                            | 717-866-6643        | \$ 2,400.00   | Mar-14 |
| <b>Laquinta Inn-Rochester, NY</b>                           | Contractor: Ser Pro<br>Contact: Jim Wandtke   | 585-704-6166        | \$ 45,100.00  | May-14 |
| <b>Limestone DFAS - Limestone, ME</b>                       | Contractor: Indoor Air Technologies, Inc.<br>Contact: Jason Edwards                     | 207-404-7107        | \$ 27,120.00  | Sep-15 |
| <b>Little Rock Job Corps Center-Little Rock, AR</b>         | Contractor: Indoor Air Technologies, Inc.<br>Contact: Ruby Allen                        | 501-618-2500 x 2515 | \$ 84,130.00  | Jan-14 |
| <b>Little Rock Job Corps Center-Little Rock, AR</b>         | Contractor: Indoor Air Technologies, Inc.<br>Contact: Ruby Allen                        | 501-618-2500 x 2515 | \$ 405,460.00 | 13-Nov |
| <b>LockHaven University-Lockhaven, PA</b>                   | Contractor: Silvertip, Inc<br>Contact: Don Wagner                                       | 570-236-1216        | \$ 2,900.00   | Nov-15 |
| <b>M &amp; T Bank - Hilton, NY</b>                          | Contractor: Leo J. Roth, Inc.<br>Contact: Maggie Amyo                                   | 585-690-7735        | \$ 2,900.00   | Sep-15 |
| <b>Manchester Fire Stations - Manchester-By-The-Sea, MA</b> | Contractor: Indoor Air Technologies, Inc.<br>Contact: Glen Rogers                       | 978-526-4040        | \$ 72,025.00  | Nov-15 |
| <b>Marcus Whitman CSD-Rushville, NY</b>                     | Contractor: Lawman Heating & Cooling<br>Contact: Don Thompson                           | 585-346-3060        | \$ 6,670.00   | Aug-14 |

|   |  |                    |              |                  |
|---|--|--------------------|--------------|------------------|
| <b>Maryland Public Television - Owings Mills, MD</b>    | Contractor: Indoor Air Technologies, Inc.<br>Contact: Courtney League  | 410-767-5518       | \$ 14,800.00 | Sep-15           |
| <b>Mattiaccio Orthodontics</b>                          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Brian Mattiaccio | 585-742-1011       | \$ 5,365.00  | Feb-15           |
| <b>Mercer County Equestrian Center - Pennington, NJ</b> | Contractor: Indoor Air Technologies<br>Contact: Joe Pizza              | 609-303-0709       | \$ 2,209.98  | Nov-15           |
| <b>Millburn MS-Milburn, NJ</b>                          | Contractor: Indoor Air Technologies, Inc.<br>Contact: Stephen Pharai   | 212-372-0338       | \$ 62,121.25 | Aug-13           |
| <b>Mohawk Tower-Albany, NY</b>                          | Contractor: Digesare Mechanical<br>Contact: Tom Holmes                 | 518-356-2224       | \$ 5,900.00  | Jun-14           |
| <b>Monroe County City Jail-Henrietta, NY</b>            | Contractor: Betlem Corp<br>Contact: David Schoen                       | 585-271-5500       | \$ 1,900.00  | 14-Jan           |
| <b>Montclair State University-Montclair, NJ</b>         | Contractor: Indoor Air Technologies<br>Contact: Bayram Kokakulak       | 973-855-6897       | \$ 25,216.00 | May-14           |
| <b>Murfreesboro Police Dept.-Murfreesboro, TN</b>       | Contractor: Indoor Air Technologies<br>Contact: Lt. Sanders Watson     | 615-849-2672       | \$ 17,500.00 | Dec-13           |
| <b>Nationwide Insurance-Harleysville, PA</b>            | Contractor: Worth & Company<br>Contact: Jack Wolfe                     | 267-372-1503       | \$ 3,800.00  | 14-Jun           |
| <b>Nationwide Insurance-Harleysville, PA</b>            | Contractor: Worth & Company<br>Contact: Jack Wolfe                     | 267-372-1503       | \$ 13,560.00 | 13-Oct           |
| <b>Naval Station Great Lakes-Great Lakes, IL</b>        | Contractor: Indoor Air Technologies<br>Contact: Robert Meiton          | 585-683-5051       | \$ 79,560.00 | Aug-14           |
| <b>NOAA/NMFS-Lafayette, LA</b>                          | Contractor: Indoor Air Technologies<br>Contact: John Foret             | 337-257-7761       | \$ 22,130.00 | Sep-13           |
| <b>Norristown State Hospital-Norristown, PA</b>         | Contractor: Indoor Air Technologies, Inc.<br>Contact: Lee Stahl        | 610-313-5467       | \$ 6,430.00  | Apr-14           |
| <b>Norristown State Hospital-Norristown, PA</b>         | Contractor: Indoor Air Technologies, Inc.<br>Contact: Joe Lang         | 610-313-5464       | \$ 9,120.00  | Sep-13           |
| <b>North Bridge HS- Whitinsville, MA</b>                | Contractor: Indoor Air Technologies, Inc.<br>Contact: Melissa Walker   | 508-234-8156       | \$ 38,330.00 | Aug-13           |
| <b>Northwood Elementary School - Hilton, NY</b>         | Contractor: Bell Mechanical Contractors<br>Contact: Marc Zimmerman     | 585-698-9397       | \$ 1,800.00  | Sep-15           |
| <b>NY Botanical Garden-Bronx, NY</b>                    | Contractor: EW Howell Contractor<br>Contact: Jehan Joonoos             | 516-903-2454       | \$ 3,400.00  | Apr-14           |
| <b>Ocean County College-Toms River, NJ</b>              | Contractor: Indoor Air Technologies, Inc.<br>Contact: Gene Caufield    | 732-600-0123       | \$ 8,400.00  | Dec-15           |
| <b>Ochsner Baptist Medical Center-New Orleans, LA</b>   | Contractor: Gallo Mechanical<br>Contact: Mark Wagner                   | 504-559-2698       | \$ 10,430.00 | Sep-13           |
| <b>OCM Boces - Liverpool, NY</b>                        | Contractor: King & King Mechanical, Inc<br>Contact: Jim Vanderpool     | 315-727-1068       | \$ 4,300.00  | Aug-15           |
| <b>Oriskany Field Operations-Oriskany, NY</b>           | Contractor: Indoor Air Technologies, Inc.<br>Contact: Chris Zimmer     | 518-356-2224       | \$ 1,600.00  | Apr-14           |
| <b>Ozone Library-Ozone Park, NY</b>                     | Contractor: Geomatrix<br>Contact: Rich Waddell                         | 732-568-9000 x 107 | \$ 4,985.00  | Sep-13           |
| <b>Park Ridge Hospital-Greece, NY</b>                   | Contractor: Indoor Air Technologies<br>Contact: Mr. Alex Gales         | (585) 723-7364     | \$ 18,147.16 | Ongoing Contract |
| <b>Parker Farms Elementary School - Wallingford, CT</b> | Contractor: Indoor Air Technologies, Inc.<br>Contact: Marc Deptula     | 203-294-3780       | \$ 27,120.00 | Jun-15           |
| <b>Pennridge South MS-Perkasie, PA</b>                  | Contractor: Myco Mechanical<br>Contact: Brien Meyers                   | 267-382-0267       | \$ 6,700.00  | Aug-13           |
| <b>Peters Township School District - McMurray, PA</b>   | Contractor: East West Manufacturing<br>Contact: Jeremy Boehm           | 412-337-2448       | \$ 11,430.00 | May-15           |
| <b>Penobscot Jail - Bangor, ME</b>                      | Contractor: Indoor Air Technologies, Inc.<br>Contact: Cap Ayer         | 207-944-5447       | \$ 74,670.00 | Oct-15           |

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| <b>Pinnacle Health System-Harrisburg, PA</b>                              | Contractor: Frey Lutz Corp.<br>Contact: Tim Heimbaugh               | 717-898-6808 | \$ 27,120.00 | 13-Sep |
| <b>Pinnacle Health System-Harrisburg, PA</b>                              | Contractor: Silvertip Inc.<br>Contact: John Myers                   | 570-523-1206 | \$ 1,900.00  | 13-Sep |
| <b>Pinnacle Health System-Harrisburg, PA</b>                              | Contractor: Silvertip Inc.<br>Contact: John Myers                   | 570-523-1206 | \$ 27,300.00 | 13-Jun |
| <b>Pittsford Central School District - Pittsford, NY</b>                  | Contractor: Bell Mechanical Contractors<br>Contact: Dennis Bell     | 585-703-3944 | \$ 75,814.02 | Jul-15 |
| <b>Primary School # 87Q-Queens, NY</b>                                    | Contractor: Iannelli Construction<br>Contact: Jose Cruz             | 917-538-4764 | \$ 29,120.00 | Jun-14 |
| <b>Primary School # 387-New York, NY</b>                                  | Contractor: IAT<br>Contact: Michael Florio                          | 718-610-0026 | \$ 16,300.00 | Jul-14 |
| <b>PSU Althouse, University Park, PA</b>                                  | Contractor: Wayne Crouse, Inc.<br>Contact: Dan Paulovich            | 412-771-5176 | \$ 4,800.00  | Sep-13 |
| <b>PSU Henderson HHD-State College, PA 16805</b>                          | Contractor: The Fairfield Company<br>Contact: Chad Gambol           | 717-560-7930 | \$ 25,200.00 | Feb-14 |
| <b>PSU IM Building-State College, PA</b>                                  | Contractor: Worth & Company<br>Contact: Kerry Strouse               | 267-247-6837 | \$ 1,750.00  | May-13 |
| <b>Rensselaer Rail Station-Rensselaer, NY</b>                             | Contractor: Indoor Air Technologies, Inc.<br>Contact: Mr. John Rich | 518-437-8300 | \$ 8,375.00  | May-14 |
| <b>Robert Packer Hospital Emergency Room - Sayre, PA</b>                  | Contractor: Kimble, Inc.<br>Contact: Stewart Sherman                | 607-738-2446 | \$ 4,300.00  | Aug-15 |
| <b>Rochester City School District--Edison Tech-Rochester, NY</b>          | Contractor: Landry Mechanical, Inc.<br>Contact: Jim Culp            | 585-538-6000 | \$ 13,630.00 | 14-Aug |
| <b>Rochester City School District--Franklin High School-Rochester, NY</b> | Contractor: IAT<br>Contact: Robert Melton                           | 585-683-5051 | \$ 12,900.00 | 14-May |
| <b>Rochester City School -School Without Walls-Rochester, NY</b>          | Contractor: Pipitone Enterprises, LLC<br>Contact: Tony Pipitone     | 585-889-0960 | \$ 17,404.00 | Jul-14 |
| <b>Rochester City School #5-Rochester, NY</b>                             | Contractor: Bell Mechanical<br>Contact: Mark Conner                 | 585-586-1380 | \$ 5,400.00  | Jun-14 |
| <b>Rochester City School #8-Rochester, NY</b>                             | Contractor: Bell Mechanical<br>Contact: Dennis Bell                 | 585-586-1380 | \$ 13,120.00 | Sep-14 |
| <b>Rochester City School #9-Rochester, NY</b>                             | Contractor: Lloyd Mechanical<br>Contact: Pat Lloyd                  | 585-392-6563 | \$ 4,400.00  | Aug-13 |
| <b>Rochester City School # 19-Rochester, NY</b>                           | Contractor: Pipitone Enterprises, LLC<br>Contact: Tony Pipitone     | 585-889-0960 | \$ 2,200.00  | 14-Jul |
| <b>Rochester City School # 29-Rochester, NY</b>                           | Contractor: Lloyd Mechanical<br>Contact: Mike Burt                  | 585-780-3500 | \$ 2,700.00  | Jul-15 |
| <b>Rochester City School Douglass-Rochester, NY</b>                       | Contractor: Crosby Browlie Mechanical<br>Contact: Matt Rose         | 585-325-1290 | \$ 16,000.00 | Jul-13 |
| <b>Rochester General Hospital-Rochester, NY</b>                           | Contractor: J.T. Mauro<br>Contact: Bill Roth                        | 585-482-4640 | \$ 1,900.00  | Jan-14 |
| <b>Roxbury Township - Ledgewood, NJ</b>                                   | Contractor: Indoor Air Technologies<br>Contact: Rick Blood          | 973-219-0456 | \$ 48,120.00 | Sep-15 |
| <b>Sing Sing Correctional Facility-Ossining, NY</b>                       | Contractor: ACS System Associates<br>Contact: Asad Reyaz            | 914-665-5800 | \$ 10,430.00 | Aug-14 |
| <b>Soldiers &amp; Sailors Hospital Pharmacy-Wellsboro, PA</b>             | Contractor: SilverTip Inc.<br>Contact: Rocky Moore                  | 570-523-1206 | \$ 2,400.00  | Sep-13 |
| <b>Soldiers &amp; Sailors Memorial Hospital-Wellsboro, PA</b>             | Contractor: SilverTip Inc.<br>Contact: Rocky Moore                  | 570-523-1206 | \$ 18,130.00 | Mar-13 |
| <b>South Brandywine MS-Coatsville, PA</b>                                 | Contractor: Indoor Air Technologies<br>Contact: Gary Davidson       | 267-382-0267 | \$ 3,375.00  | Aug-13 |

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| <b>Southport Correctional Facility - Pine City, NY</b>        | Contractor: HMI Mechanical<br>Contact: Phil Wylie                    | 315-573-2688        | \$ 3,800.00   | Nov-15 |
| <b>St. Joseph's Hospital-Syracuse, NY</b>                     | Contractor: Indoor Air Technologies<br>Contact: Howard Lewis         | 315-403-0616        | \$ 13,120.00  | Mar-14 |
| <b>St. Lukes Bethlehem Offices-Bethlehem, PA</b>              | Contractor: MBI HVAC Inc.<br>Contact: Sue Delikat                    | 610-821-9555        | \$ 3,800.00   | Aug-14 |
| <b>St. Lukes Hospital Morgue - Quakertown, PA</b>             | Contractor: MBI HVAC Inc.<br>Contact: Dwight Boehmer                 | 215-538-4635        | \$ 1,800.00   | Mar-15 |
| <b>St. Lukes Hospital-6th Floor-Bethlehem, PA</b>             | Contractor: MBI HVAC Inc.<br>Contact: Sue Delikat                    | 610-821-9555        | \$ 12,230.00  | Oct-13 |
| <b>St. Regis Mohawk Tribe - Akwesasne, NY</b>                 | Contractor: Indoor Air Technologies<br>Contact: Marie Benedict       | 518-358-2272        | \$ 4,175.00   | Nov-15 |
| <b>Suffolk County Dept of Public Works-Bayport, NY</b>        | Contractor: Indoor Air Technologies<br>Contact: Gus Grammenos        | 631-445-1400        | \$ 2,600.00   | Dec-13 |
| <b>Sussex State Prison I-Waverly, VA</b>                      | Contractor: Indoor Air Technologies<br>Contact: Bruce Bowles         | 804-834-4025        | \$ 16,560.00  | May-14 |
| <b>Sussex State Prison II-Waverly, VA</b>                     | Contractor: Indoor Air Technologies<br>Contact: Anthony Price        | 804-834-4048        | \$ 16,560.00  | May-14 |
| <b>Susquehanna University Alkens Hall - Sellinsgrove, PA</b>  | Contractor: SilverTip Inc.<br>Contact: Seth Bilger                   | 570-412-7751        | \$ 2,950.00   | May-15 |
| <b>Syracuse University Comstock Building - Syracuse, NY</b>   | Contractor: VIP Structures<br>Contact: Kevin Lord                    | 315-935-3753        | \$ 10,900.00  | Mar-15 |
| <b>Tewksbury Hospital - Tewksbury, MA</b>                     | Contractor: Indoor Air Technologies<br>Contact: Patty-Jo Hanley      | 978-851-7321        | \$ 15,700.00  | Oct-15 |
| <b>Township of Hopewell-Tutusville, NJ</b>                    | Contractor: Indoor Air Technologies<br>Contact: Nancy Canto          | 609-737-0605        | \$ 26,778.75  | Sep-13 |
| <b>Trenton Housing Authority - Trenton, NJ</b>                | Contractor: Indoor Air Technologies<br>Contact: Chrysti Huff         | 609-278-5004        | \$ 401,589.40 | Feb-16 |
| <b>Ulster County-Kingston, NY</b>                             | Contractor: Indoor Air Technologies<br>Contact: Tom Melville         | 840-340-3293        | \$ 8,700.00   | Sep-13 |
| <b>University of Arkansas Smith Pendergraft-Fort Smith AR</b> | Contractor: Indoor Air Technologies, Inc.<br>Contact: Heather Nelson | 479-788-7014        | \$ 17,500.00  | Jul-13 |
| <b>University of Kentucky-Lexington, KY</b>                   | Contractor: Indoor Air Technologies, Inc.<br>Contact: James Sutton   | 859-257-5406        | \$ 38,120.00  | Nov-13 |
| <b>University Of Rochester-B &amp; L Lab-Rochester, NY</b>    | Contractor: Postler & Jaeckle, Inc.<br>Contact: Brendt Dioguardi     | 585-546-7450        | \$ 1,975.00   | Jun-14 |
| <b>University Of Rochester-5th Floor-Rochester, NY</b>        | Contractor: JT Mauro Company<br>Contact: Mike Boilliat               | 585-482-4640        | \$ 2,700.00   | Feb-14 |
| <b>US Air Force 911th Airlift Wing- Moon, PA</b>              | Contractor: Advanced Intergration Group<br>Contact: Bob Chappel      | 412-913-3594        | \$ 42,130.00  | Oct-13 |
| <b>US Coast Guard Rowing Center-New London, CT</b>            | Contractor: Indoor Air Technologies, Inc.<br>Contact: Bryan Goff     | 860-625-1047        | \$ 28,430.00  | May-14 |
| <b>Veterans Affairs Medical Center-Augusta, GA</b>            | Contractor: Indoor Air Technologies, Inc.<br>Contact: James Jarriel  | 706-733-0188 x 3356 | \$ 11,165.00  | Dec-13 |
| <b>Veterans Affairs Medical Center-Augusta, GA</b>            | Contractor: Indoor Air Technologies, Inc.<br>Contact: James Jarriel  | 706-733-0188 x 3356 | \$ 12,815.00  | Oct-13 |
| <b>Wallingford Schools Parker Farms - Pittsborough, PA</b>    | Contractor: Indoor Air Technologies, Inc.<br>Contact: Marc Deptula   | 203-294-3780        | \$ 27,120.00  | Jun-15 |
| <b>Wayne County Social Services-Walworth, NY</b>              | Contractor: Trane<br>Contact: Jeffery Vick                           | 585-256-2500        | \$ 2,930.00   | Aug-13 |
| <b>Wayne County Water and Sewer Authority-Walworth, NY</b>    | Contractor: Indoor Air Technologies, Inc.<br>Contact: Jason Monroe   | 315-986-1929        | \$ 1,850.00   | Mar-14 |

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| <b>Weis Markets-Milton, PA</b>                               | Contractor: Silvertip Inc.<br>Contact: Lou Herrold                      | 570-523-1206 x 285 | \$ 3,400.00     | Apr-14 |
| <b>Westborough Housing Authority - Westborough, MA</b>       | Contractor: Indoor Air Technologies, Inc.<br>Contact: Kevin Seaman      | 508-832-3535       | \$ 37,120.00    | Nov-15 |
| <b>White Plains High School - White Plains, NY</b>           | Contractor: Bertussi's Contracting Services<br>Contact: Philomena Joyce | 845-735-5588       | \$ 10,000.00    | Jul-15 |
| <b>Williamsport HS-Williamsport, PA</b>                      | Contractor: Silver Tip<br>Contact: Tony Snyder                          | 570-523-1206       | \$ 38,965.00    | Apr-14 |
| <b>WNY Dental Group-Rochester, NY</b>                        | Contractor: Indoor Air Technologies, Inc.<br>Contact: Enzo Trubiano     | 781-460-7103       | \$ 23,700.00    | Jun-14 |
| <b>Woodhome Elementary School - Baltimore, MD</b>            | Contractor: JF Fisher, Inc.<br>Contact: Ed Lapaglia                     | 443-324-6174       | \$ 17,000.00    | Aug-15 |
| <b>Wyndham Rio Mar Beach Resort and Spa - Rio Grande, PR</b> | Contractor: Cumming, Inc.<br>Contact: Jeff Nolen                        | (760) 835-4866     | \$ 1,343,055.76 | Aug-14 |
| <b>Wyoming Valley Hospital-Warsaw, NY</b>                    | Contractor: Lawman Heating and Cooling<br>Contact: Steve Campbell       | 585-409-5707       | \$ 1,300.00     | Oct-13 |
| <b>Xerox-Rochester, NY</b>                                   | Contractor: Leo J Roth<br>Contact: Jillian Penkin                       | 585-872-0220       | \$ 3,200.00     | Nov-13 |
| <b>Xerox-Rochester, NY</b>                                   | Contractor: Leo J Roth<br>Contact: Don Fella                            | 585-872-0220       | \$ 670.00       | Jul-13 |
| <b>YMCA-Corning, NY</b>                                      | Contractor: Frey & Campbell Mechanical<br>Contact: Toby Beers           | 607-569-2297       | \$ 2,700.00     | Aug-13 |



OFFICIAL CHECK

391489

60-365/223

Pay to the Order of State of West Virginia Date 02-22-2016  
Amount \$ \*\*\*\*\*4,018.00

Four Thousand Eighteen and 00/100\*\*\*\*\* DOLLARS

TWO SIGNATURES REQUIRED FOR AMOUNTS  
EXCEEDING \$25,000

5% Bid Security  
Memo State of West Virginia

FACE OF CHECK IS COLORED ON WHITE PAPER. BACK CONTAINS A WATERMARK. HOLD AT ANGLE TO VIEW.

⑆391489⑆ ⑆022303659⑆ ⑆100000002⑆



OFFICIAL CHECK

391489

Pay to the Order of State of West Virginia Date 02-22-2016  
Amount \$ \*\*\*\*\*4,018.00

Four Thousand Eighteen and 00/100\*\*\*\*\* DOLLARS

5% Bid Security  
Memo NON-NEGOTIABLE

CUSTOMER COPY ⑆391489⑆ ⑆022303659⑆ ⑆100000002⑆