

*Michael R. Wigley, AIA, LEED®AP  
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Jason P. Loar, P.E.  
Ring W. Lardner, P.E.*

**ADAMS STATE SERVICE CENTER  
WINDOW REPLACEMENT - PHASE 1  
GEORGETOWN, DELAWARE  
DBF #586B035.X02 ❖ DFM # MC #3512000015**

**AUGUST 24, 2017**

**ADDENDUM NO. 2**

The following items shall become a part of the contract documents. Contractor must acknowledge receipt of this addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

- Item No. 1      The asbestos abatement report is attached for information.
- Item No. 2      Clarification on glass: There is no STC rating requirement for the glass. The glass should be Low E, insulated with gray tint. Window Type C will have tempered glass.
- Item No. 3      Refer to specification section 06 40 23 – Interior Architectural Woodwork: AW1 certification will be waived.
- Item No. 4      The contractor shall provide an allowance of \$10,000 for additional framing to be used at the new panels for Alternate No. 3. See revised Bid Form and Allowance specification. This allowance shall be included in your Alternate No. 3 price.
- Item No. 5      Clarification to Detail F16/A2.1: All interior sills/stools will be removed and new solid surface interior sills/stools will be provided. The anticipated color of the solid surface will be black.
- Item No. 6      Clarification on Abatement: All abatement will be performed under a separate contract with the State. The GC will coordinate removal of the windows with the abatement contractor.
- Item No. 7      Refer to Detail F1/A2.1: The abatement contractor will be responsible to board up the opening. This detail is concept only. The GC shall be responsible to provide the abatement contractor these items noted in the detail.

**END OF ADDENDUM**

**SECTION 00 41 13**

**BID FORM**

For Bids Due: \_\_\_\_\_

To: State of Delaware  
Division of Facilities Management  
Thomas Collins Building  
540 S. DuPont Highway, Suite 1  
Dover, DE 19901

Name of Bidder: \_\_\_\_\_

Delaware Business License No.: \_\_\_\_\_ Taxpayer ID No.: \_\_\_\_\_

*(A copy of Bidder's Delaware Business License must be attached to this form.)*

(Other License Nos.): \_\_\_\_\_

Phone No.: (     ) \_\_\_\_\_ - \_\_\_\_\_ Fax No.: (     ) \_\_\_\_\_ - \_\_\_\_\_

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

**BASE BID:**

\$ \_\_\_\_\_

(\$ \_\_\_\_\_ )

**ALTERNATES**

Alternates conform to the applicable project specifications section.

ALTERNATE NO. 1: All work associated to remove existing and provide new 2" aluminum horizontal window blinds. (Elevation A)

\$ \_\_\_\_\_

(\$ \_\_\_\_\_ )

ALTERNATE NO. 2: All work associated to provide new metal panels in locations shown on drawings. (Elevation A)

\$ \_\_\_\_\_

(\$ \_\_\_\_\_ )

ADAMS STATE SERVICE CENTER  
WINDOW REPLACEMENT - PHASE 1  
GEORGETOWN, DELAWARE  
DFM #MC3512000015

ALTERNATE NO. 3: All work associated to provide new window units, remove and provide 2" aluminum horizontal window blinds and provide metal panels on the north end as shown on drawings. (Elevation B)

\$ \_\_\_\_\_

( \$ \_\_\_\_\_ )

ALTERNATE NO. 4: All work associated to repair the alcove ceiling. Refer to Detail 01/A2.2.

\$ \_\_\_\_\_

( \$ \_\_\_\_\_ )

ALTERNATE NO. 5: All work associated to remove and provide new parging as shown on the drawings. Refer to Detail J11/A2.2.

\$ \_\_\_\_\_

( \$ \_\_\_\_\_ )

ALTERNATE NO. 6: All work associated to provide and install 2" aluminum vertical window blinds, inside mounted in lieu of aluminum horizontal blinds.

\$ \_\_\_\_\_

( \$ \_\_\_\_\_ )

ALTERNATE NO. 7: All work associated to provide new window units. Two inch (2") aluminum blinds as shown on Sheet A1.1.

\$ \_\_\_\_\_

( \$ \_\_\_\_\_ )

**UNIT PRICES**

Unit Prices conform to the applicable project specification section.

UNIT PRICE NO. 1: Cost to remove and replace portions of deteriorated plywood sheathing. \$ \_\_\_\_\_/SF

ADAMS STATE SERVICE CENTER  
WINDOW REPLACEMENT - PHASE 1  
GEORGETOWN, DELAWARE  
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**ALLOWANCES**

Allowances conform to the applicable project specification section.

ALLOWANCE NO. 1: Provide an allowance of \$15,000.00 for unforeseen conditions (include in base bid).

ALLOWANCE NO. 2: Provide an allowance of \$5,000.00 to patch and repair interior jamb and head finishes (include in base bid).

ALLOWANCE NO. 3: Provide an allowance of \$3,000.00 to remove and replace sheathing (include in base bid).

ALLOWANCE NO. 4: Provide an allowance of \$10,000.00 for additional framing at the metal panels on elevation B (include in Alternate No. 3).

ADAMS STATE SERVICE CENTER  
WINDOW REPLACEMENT - PHASE I  
GEORGETOWN, DELAWARE  
DFM #MC3512000015

**BID FORM**

I/We acknowledge Addendums numbered \_\_\_\_\_ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within \_\_\_\_\_ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's / General Partner's / Corporate Name)  
\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_ By: \_\_\_\_\_  
(SEAL) ( Authorized Signature )  
\_\_\_\_\_  
( Title )  
Date: \_\_\_\_\_

**ATTACHMENTS**

- Sub-Contractor List
- Non-Collusion Statement
- Affidavit(s) of Employee Drug Testing Program
- Bid Security
- (Others as Required by Project Manuals)

ADAMS STATE SERVICE CENTER  
 WINDOW REPLACEMENT - PHASE 1  
 GEORGETOWN, DELAWARE  
 DFM #MC3512000015

**BID FORM**

**SUBCONTRACTOR LIST**

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, it is **required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Sealants	_____	_____	_____
2. Painting	_____	_____	_____
3. Metal Panels	_____	_____	_____
4. Windows	_____	_____	_____

**BID FORM**

**NON-COLLUSION STATEMENT**

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date *(to the Office of Management and Budget, Division of Facilities Management)*.

All the terms and conditions of *(MC #3512000015)* have been thoroughly examined and are understood.

**NAME OF BIDDER:** \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE  
(TYPED):** \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE  
(SIGNATURE):** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_

**E-MAIL:** \_\_\_\_\_

**PHONE NUMBER:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_ . NOTARY PUBLIC \_\_\_\_\_.

**THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.**

**AFFIDAVIT  
OF  
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

**Contractor/Subcontractor Name:** \_\_\_\_\_

**Contractor/Subcontractor Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Authorized Representative (typed or printed):** \_\_\_\_\_

**Authorized Representative (signature):** \_\_\_\_\_

**Title:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

**THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.**

## SECTION 01 21 00

### ALLOWANCES

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division- 1 Specification Sections, apply to this Section.

##### 1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for Allowances.
- B. Types of Allowances may include the following (Refer to “Schedule of Allowances” include at the end of this Section):
  - 1. Lump-sum Allowances.
  - 2. Unit-cost Allowances.
- C. Selection and Purchase:
  - 1. Purchase products, systems and labor specifically selected (in writing) by the Owner and/or as indicated in the Schedule of Allowances.
- D. Submittals:
  - 1. Submit invoices or delivery slips to show the actual quantities of materials delivered to the site and labor executed for use in fulfillment of each Allowance.
- E. Coordinate Allowance work with related work to ensure that each selection is completely integrated and interfaced with related work.
- F. Lump-Sum Allowances and Unit-Cost Allowances:
  - 1. These Allowances shall cover the cost to the Contractor, less any applicable trade discount, of the materials, labor and equipment required by the Allowance delivered at the site, and all applicable taxes.
  - 2. The Contractor's costs for unloading and handling on the site, labor, installation costs, overhead, profit and other expenses contemplated for the original Allowance shall be included separately in the Contract Sum and not in the Allowance.
  - 3. Whenever the cost is more than or less than the Allowance, the Contract Sum shall be adjusted accordingly by Change Order.
    - a. Change Order Mark-up: The amount of each change order resulting from final selection of products and systems covered by an Allowance shall be the difference

between the Contractor's purchase price amount and the Allowance, and shall not include Contractor's mark-up (or subcontractor's mark-up) except to the extent clearly demonstrated (by Contractor) that either scope of installation or nature of work required was changed from that which could have been foreseen from description of Allowance and other information in contract documents. No mark-up is permitted for selection of higher or lower priced materials or systems, of same scope and nature as originally indicated.

- b. Change Order Data: Where applicable, include in each change order proposal both the quantities of products being purchased and unit costs, along with total amount of purchase to be made. Where requested, furnish survey-of-requirements data to substantiate quantities. Indicate applicable taxes, delivery charges, and amounts of applicable trade discounts.

G. Unused Materials:

1. Return unused materials to the manufacturer or supplier for credit to the Owner, after installation has been completed and accepted.
  - a. When requested by the Owner, prepare unused material for storage by Owner where it is not economically practical to return the material for credit. When directed by the Owner, deliver unused material to the Owner's storage space. Otherwise, disposal of unused material is the Contractor's responsibility.

PART 2 - PRODUCTS (Not Applicable)

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an Allowance promptly upon delivery for damage or defects.

3.2 PREPARATION

- A. Coordinate materials and their installation for each Allowance with related materials and installations to ensure that each Allowance item is completely integrated and interfaced with related work. The general contractor shall be responsible for any necessary work that is not covered in each vendor's proposal indicated in the Schedule of Allowances.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Provide an allowance of \$15,000 for unforeseen conditions (include in base bid).
- B. Allowance No. 2: Provide an allowance of \$5,000 to patch and repair interior jamb and head finishes (include in base bid).
- C. Allowance No. 3: Provide an allowance of \$3,000 to remove and replace exterior wall sheathing (include in base bid).

- D. Allowance No. 4: Provide an allowance of \$10,000.00 for additional framing at the metal panels on elevation B (include in Alternate No. 3).

END OF SECTION

## SECTION 01 23 00

### ALTERNATES

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

- A. Drawings, specifications and general provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

##### 1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for Alternates.
- B. Definition: An Alternate is an amount proposed by Bidders and stated on the Bid Form for certain construction activities defined in the bidding requirements that may be added to or deducted from Base Bid amount if the Owner decides to accept the corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems or installation methods described in Contract Documents.
- C. Coordination: Coordinate related Work and modify or adjust adjacent Work as necessary to ensure that Work affected by each accepted Alternate is complete and fully integrated into the project.
- D. Notification: Immediately following the award of the Contract, prepare and distribute to each party involved, notification of the status of each Alternate. Indicate whether Alternates have been accepted, rejected or deferred for consideration at a later date. Include a complete description of negotiated modifications to Alternates.
- E. Schedule: A "Schedule of Alternates" is included at the end of this Section. Specification Sections referenced in the Schedule contain requirements for materials and methods necessary to achieve the Work described under each Alternate.
  - 1. Include as part of each Alternate, miscellaneous devices, accessory objects and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate.

PART 2 - PRODUCTS (Not Applicable).

PART 3 - EXECUTION (Not Applicable).

##### 3.1 Schedule of Alternates:

Alternate No. 1: All work associated to remove existing and provide new 2" aluminum horizontal window blinds. (Elevation A)

Alternate No. 2: All work associated to provide new metal panels in locations shown on drawings. (Elevation A)

- Alternate No. 3: All work associated to provide new window units, remove and provide 2" aluminum horizontal window blinds and provide metal panels on the north end as shown on drawings. (Elevation B)
- Alternate No. 4: All work associated to repair the alcove ceiling. Refer to Detail 01/A2.2.
- Alternate No. 5: All work associated to remove and provide new parging as shown on the drawings. Refer to Detail J11/A2.2.
- Alternate No. 6: All work associated to provide and install 2" aluminum vertical window blinds, inside mounted in lieu of aluminum horizontal blinds.
- Alternate No. 7: All work associated to provide new window units. Two inch (2") aluminum blinds as shown on Sheet A1.1.

END OF SECTION

LR-407:

**CERTIFICATE OF ANALYSIS**

17527

To: **Doyle Tiller** **0000312967**  
Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY:

Received Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 001A  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104964

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 001B  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104965

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 001C  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104966

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 001D  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104967

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP or any agency of the U.S. government. This report shall not be reproduced except in full, without written approval of the laboratory.*

Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar  
Analyst



NVLAP Lab Code 200885-0

Approved For Release:

LR-407:

**CERTIFICATE OF ANALYSIS**

17527

To: **Doyle Tiller** **0000312967**  
Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 001E  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104968

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 001F  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104969

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 002A  
COC Description: Window Caulk at Sill, Gray - EXT

LAB SAMPLE ID  
104970

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
10 Chrysotile		90 Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Dissolved  
Texture: Firm

Sample Number: 002B  
COC Description: Window Caulk at Sill, Gray - EXT

LAB SAMPLE ID  
104971

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
Not Analyzed		

Color:  
Other Color  
Homogeneity:  
Treatment:  
Texture:

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limits based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis Indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

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Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
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19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Recieved Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 002C  
COC Description: Window Caulk at Sill, Gray - EXT

LAB SAMPLE ID  
104972

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 002D  
COC Description: Window Caulk at Sill, Gray - EXT

LAB SAMPLE ID  
104973

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 002E  
COC Description: Window Caulk at Sill, Gray - EXT

LAB SAMPLE ID  
104974

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 003A  
COC Description: Window Caulk, Gray - EXT

LAB SAMPLE ID  
104975

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
8	Chrysotile			92	Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Dissolved  
Texture: Firm

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

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Division Of Facilities Management  
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Dover, DE  
19901-

**0000312967**

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30

Logged Ashley Mote 8/31/2016 30

Analyzed Asghar Keyvanfar 9/1/2016 18

Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Sample Number: 003B

LAB SAMPLE ID  
104976

COC Description: Window Caulk, Gray - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

Sample Number: 003C

LAB SAMPLE ID  
104977

COC Description: Window Caulk, Gray - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

Sample Number: 003D

LAB SAMPLE ID  
104978

COC Description: Window Caulk, Gray - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

Sample Number: 003E

LAB SAMPLE ID  
104979

COC Description: Window Caulk, Gray - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:
Other Color
Homogeneity:
Treatment:
Texture:

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar  
Analyst



NVLAP Lab Code 200885-0

Approved For Release:

LR-407:

**CERTIFICATE OF ANALYSIS**

17527

To: **Doyle Tiller**  
Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-

**0000312967**

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30

Logged Ashley Mote 8/31/2016 30

Analyzed Asghar Keyvanfar 9/1/2016 18

Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Sample Number: 004A

LAB SAMPLE ID  
104980

COC Description: Window Caulk, Black - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
2	Chrysotile			98	Other

Color: Black  
Other Color: Brown  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 004B

LAB SAMPLE ID  
104981

COC Description: Window Caulk, Black - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color:  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 004C

LAB SAMPLE ID  
104982

COC Description: Window Caulk, Black - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color:  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 004D

LAB SAMPLE ID  
104983

COC Description: Window Caulk, Black - EXT

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color:  
Homogeneity:  
Treatment:  
Texture:

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar

Analyst



NVLAP Lab Code 200885-0

Approved For Release:

LR-407:

**CERTIFICATE OF ANALYSIS**

17527

To: **Doyle Tiller** **0000312967**  
Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 004E  
COC Description: Window Caulk, Black - EXT

LAB SAMPLE ID  
104984

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	Not Analyzed				

Color:  
Other Color  
Homogeneity:  
Treatment:  
Texture:

Sample Number: 005A  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104985

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 005B  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104986

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 005C  
COC Description: Window Caulk, White - EXT

LAB SAMPLE ID  
104987

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

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NVLAP Lab Code 200885-0

Approved For Release:

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Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 006A  
COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104988

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: White  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 006B  
COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104989

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: White  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 006C  
COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104990

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: White  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

Sample Number: 006D  
COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104991

% Asbestos Type	% Other Fibrous Type	% Non Fibrous Type
None Detected		100 Other

Color: White  
Other Color  
Homogeneity: Homogeneous  
Treatment: Heated  
Texture: Firm

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar  
Analyst



NVLAP Lab Code 200885-0

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Division Of Facilities Management  
540 South DuPont Highway-3rd Floor  
Dover, DE  
19901-  
Re: DFM-DHSS-Adams State Service Center - Asbestos Window

Thursday, September 01, 2016

Lab Project Number: 17708 QTY

Received Ashley Mote 8/31/2016 30  
Logged Ashley Mote 8/31/2016 30  
Analyzed Asghar Keyvanfar 9/1/2016 18

Sample Number: 006E

COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104992

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 006F

COC Description: Window Caulk, White - Interior

LAB SAMPLE ID  
104993

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: White
Other Color
Homogeneity: Homogeneous
Treatment: Heated
Texture: Firm

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Analysis Methods: EPA 600/R-93/116  
EPA 600/M4-82-020

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar  
Analyst



NVLAP Lab Code 200885-0

Approved For Release:

PLM CHAIN OF CUSTODY

REPORT TO: Harvard Environmental, Inc.  
760 Pulaski Highway  
Bear, DE 19701

ATTN: Mike Saunders PHONE: (302) 326-2333 FAX: (302) 326-2335

PROJECT NAME: DFM-DHSS, ADAMS STAIR SERVICE CENTER, GEORGETOWN, DE

PROJECT NO: 17527

LAB ID# \_\_\_\_\_

TURNAROUND TIME (CHECK ONE)

24 HOUR  3 HOUR  
 48 HOUR  6 HOUR  
 72 HOUR  SAME DAY  
 1 WEEK  2 WEEK  
 OTHER \_\_\_\_\_

Collected By: D. Hayward Date: 8/20/09  
 Relinquished By: D. Hayward Date: 8/20/09  
 Received By: ASB/TL Date: 8/21/09  
 Received In Lab: A. Kasal Date: 8-21-09

REMARKS \_\_\_\_\_

SAMPLE ID	SYS CODE	Lab ID# (Lab Use Only)	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive	If Negative Stop	Analyze TEM	Results (Lab Use Only)	OTHER INSTRUCTIONS
001-A	CLK	17708	1049104	concrete window (whit)	EXT				MD	
B									MD	
C									MD	
D									MD	
E									MD	
F									MD	
002-A	CLK		70	concrete window (gray)					10% CMAA	
B			71							
C			72							
D			73							
E			74							
003-A	CLK		75	concrete window (gray)					8% CMAA	
B			76							
C			77							
D			78							



# PLM CHAIN OF CUSTODY

# 17527  
 8/30/16

SAMPLE ID	SYS CODE	Lab ID#	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative PLM Analyze TEM	OTHER INSTRUCTIONS		
								1.	2.	3.
003-E	CLK	104979	caulk-windover (gray)	EST		✓				
004-A	CLK	80	caulk-windover (blk)			✓				
B		81				✓				
C		82				✓				
D		83				✓				
E		84				✓				
005-A	CLK	85	caulk-windover (whit)			✓				
B		86				✓				
C		87		EST		✓				
006-A	CLK	88	caulk-windover (whit)	INT		✓				
B		89				✓				
C		90				✓				
D		91				✓				
E		92				✓				
F		93		INT		✓				