

C

ADDENDUM NUMBER 1

DATE: 28 April 2016

PROJECT: NORTH PANOLA SCHOOL DISTRICT
High School Gym HVAC Project
Sardis, Mississippi

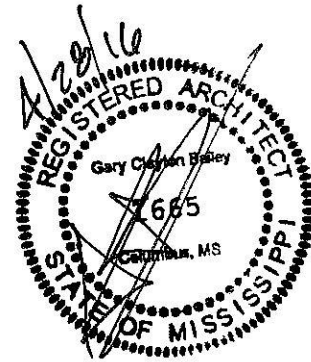
PROJECT NUMBER: 150008

FROM:

Bailey Architecture Education , P.A.
301 Northlake Avenue, Suite 107
Ridgeland, MS 39157

Phone: (601) 760-9432
Fax: (866) 614-8296

TO: Plan Holders / Prospective Bidders



PART 1 - GENERAL

1.1 DESCRIPTION

- A. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 30 March 2016. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.
- B. This Addendum consists of two (2) pages; two (2) Pre-Bid Agenda, one (1) Pre-Bid Sign-In Sheet; seven (7) pages – Section 02000 - Asbestos Abatement; fourteen (14) pages – Asbestos-Containing Materials Survey and Assessment in the attachments below.

1.2 CLARIFICATIONS

- A. Asbestos inspection report dated April 13, 2016 prepared by Pickering Firm, Inc., 2001 Airport Road, Suite 201, Flowood, MS 39232 provides results of samples. See Attachment.
- B. Contractor shall protect gym floor and bleachers during construction.
- C. North Panola School District pays for utilities used during construction.
- D. Add to Client contact: Mr. John Reed, Maintenance Director | (662)934-8854 | jreed@northpanolaschools.org

- E. Pre-Bid Agenda make the following changes to Project schedule:
 - a. 04.28.16, 2:00 PM – Addendum no. 1
 - b. 05.16.16 – Bid Review and Award
 - c. 05.17.16 – Notice to Proceed
 - d. 10.01.16 – Final Completion Date
- F. Delete under Summary: 4.4.
- G. No office trailer required on this project.
- H. No project sign required on this project.
- I. Delete note “**Minimum eight 8” inch...edges**” to Concrete pad on Sheet M-301 at **Pad Mounted HVAC Packaged Unit Detail** and refer to Concrete pad on Sheet A-101 for details.

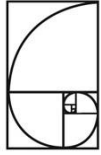
1.3 CHANGES TO PROJECT MANUAL

- A. Add Section 02000, Asbestos Abatement

1.4 CHANGES TO ARCHITECTURAL DRAWINGS

- A. Make the following changes/clarifications to Architectural Sheet G-000. Delete “NOT FOR CONSTRUCTION” from Architect’s Seal.

END OF ADDENDUM NO. 1



PRE-BID AGENDA

Project: **15008 High School Gym HVAC Project | Sardis, Mississippi**

Location: North Panola School District | 4710 Hwy 51 North | Sardis, Mississippi 38666

Mtg. date: 28 April 2016, 9:00 AM

OPENING

1. Greetings and introductions
 - 1.1. Owner – North Panola School District | Cedric Richardson | Sardis, MS
 - 1.2. Architect – Bailey ▪ Architecture ▪ Education ▪ PA | Gary Bailey | Ridgeland, MS
 - 1.3. Architect – Bailey ▪ Architecture ▪ Education ▪ PA | Luigia Hodge | Ridgeland, MS
2. Project description
 - 2.1. General
 - 2.1.1. Project address
 - a. North Panola High School | 500 Hwy 51 North | Sardis, MS
 - 2.1.2. Client contact – NPSD | Cedric Richardson | (662)487-2305 | crichardson@northpanolaschools.org
 - 2.1.3. Client contact – NPSD | Michael Britt | (662)487-2305 | mbritt@northpanolaschools.org
 - 2.1.4. Architect contact - BAE | Gary Bailey | (601) 951-1820 | gbailey@baileyarch.com
 - 2.1.5. Architect contact - BAE | Luigia Hodge | (601) 613-9413 | luigiahodge@dalepartners.com
 - 2.2. Summary
 - 2.2.1. Scope of work include new HVAC system and related work on the mentioned above. Asbestos abatement required where applicable and will be issued as addendum.

SCHEDULE

1. Project schedule
 - 1.1. 04.29.16, 2:00 PM – Addendum no. 1
 - 1.2. 05.03.16, 2:00 PM – Bid opening
 - 1.3. T.B.D. – Bid Review and Award
 - 1.4. T.B.D. – Notice to Proceed; tentative

2. Bid information
 - 2.1. Date – Tuesday, May 03, 2016
 - 2.2. Time – 2:00 PM
 - 2.3. Location – North Panola School District | 470 Hwy 51 North | Sardis, MS 38666

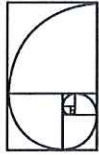
DETAILS

1. Allowance items
 - 1.1. General Building Contingency Ten Thousand Dollars (\$10,000.00)
2. Liquidated damages
 - 2.1. The Contractor and the Contractor's surety, if any, shall be liable for and shall pay the Owner the sums hereinafter stipulated as liquidated damages for each calendar day of the delay after the Contract Time - Five Hundred Dollars (\$500.00).

SUMMARY

3. Contractor / subcontractor Q&A
4. Miscellaneous
 - 4.1. It is noted that questions will be received and answered on an unofficial basis
 - 4.2. Binding answers to questions must be included in an official written addendum and the Contractor or Subcontractor is encouraged to provide written communications to the Architect for proper response
 - 4.3. Address e-mailed written correspondence to luigiahodge@dalepartners.com
 - 4.4. No questions will be accepted after 11:00 AM on Friday, April 29, 2016 in order to allow the Architect adequate time to prepare any necessary addenda.

End



MEETING ATTENDEES

Project: 15008 High School Gym HVAC Project | Sardis, Mississippi

Regarding: Pre-Bid Meeting

Mtg. date: 28 April 2016, 9:00 AM

Location: North Panola School District | Sardis, Mississippi

Name	Business	Phone	Email
------	----------	-------	-------

Michael Britt	NRSD	662-934-2055	mbritt@northpanolaschool.org
Stan Barnett	AIL	901-530-0384	wbarnett@aol-llc.com
James BRAY	National HVAC Service	901-345-5700	jbrayson@nationalhvacserv.com
Raymond Aey	Aey mechanical	662-283-4324	Raymond@Aeymechanical.com
Scott Upchurch	Upchurch Plumbing	662-453-6860	scott@upchurchplumbing.com
Dustin Tidwell	Tidwell Electric	662-583-2992	tidwellelectr@wildblue.net
Charles Doyle	MSE	901-277-1803	cedoyle@mid-southelectric.net
Wade Scott	Tristone Mech.	662-578-9440	wade@Tristone.com
John Reed	North Panola school	934-8854	
	North Panola School	662-487-2305	Crickhacks@northpanola.org
Luigia Hodge	BTE	601-613-9413	Luigiahodge@dalepartners.com

**SECTION 02000
ASBESTOS ABATEMENT
NORTH PANOLA SCHOOL DISTRICT
NORTH PANOLA HIGH SCHOOL - GYMNASIUM
PROJECT DESIGNER: WILLIE J. NESTER, P. E.
PROJECT DESIGNER No. APB-00002090**

1.1 Contractor Requirements

- A. The Asbestos Abatement Contractor (AAC) shall be licensed by the State of Mississippi as an Asbestos Abatement Contractor.
- B. The AAC must be covered by asbestos specific liability insurance in the minimum amount of \$1,000,000. The Contractor shall present documentation that this coverage has been obtained.

1.2 Scope of Work

- A. The AAC shall remove and dispose of the two windows that are being used for the supply and return air ductwork from the new HVAC unit. Clean all caulking material from inside the window openings Pick up any loose pieces of putty that has fallen to the ground.
- B. Coordinate the abatement of the windows with the HVAC contractor so that the window opening are not left open to the outside overnight.

C. **Estimated Quantities**

The bidder must provide his own quantities prior to bidding. See Architect's drawings for location of windows affected.

D. **Schedule**

The AAC shall coordinate his work with the general contractor on this project.

1.3 Description of Work

- A. The work specified herein shall be the removal of asbestos containing materials by competent persons trained, knowledgeable and qualified in the techniques of abatement, handling and disposal of asbestos-containing and asbestos-contaminated materials and the subsequent cleaning of contaminated areas, who comply with applicable Federal, State, and Local regulations and are capable of and willing to perform the work of this Contract.
- B. The AAC will be responsible for furnishing proof to the Project Designer and the Building Owner that the ACM removed as a part of this contract has been in fact disposed of and handled at the disposal site in conformance with 40 CFR 763 Appendix D to Subpart E.
- C. The AAC shall supply all labor, materials services, insurance, permits and equipment necessary to carry out the work in accordance with all applicable Federal, State and Local regulations and these specifications.
- D. The AAC is responsible for restoring the work area and auxiliary areas utilized during the abatement to conditions equal to or better than original. Any damages caused during the performance of abatement activities shall be repaired by the AAC (e.g. paint peeled off by barrier tape, nail holes, water damage, broken glass, damage to building exterior or grounds) at no additional expense to the Building Owner.

1.4 Applicable Standards and Guidelines

A. General Requirements

1. All work under this Contract shall be done in strict accordance with all applicable Federal, State and Local regulations, standards and codes governing asbestos abatement and any other trade work done in conjunction with the abatement.
2. The most recent edition of any relevant regulation, standard, document or code shall be in effect. Where conflict among the requirements or with these specifications exists, the most stringent requirements shall be utilized.
3. Copies of all standards, regulations, codes and other applicable documents, including this specification and those listed in Section 1.5.2 shall be available at the worksite in the clean change area of the worker decontamination system.

B. Specific requirements

1. Occupational Safety and Health Administration (OSHA)
 - a. Title 29 Code of Federal Regulations Section 1910.1001 - General Industry Standard for Asbestos.
 - b. Title 29 Code of Federal Regulations Section 1910.134 - General Industry Standard for Respiratory Protection.
 - c. Title 29 Code of Federal Regulations Section 1926 - Construction Industry.
 - d. Title 29 Code of Federal Regulations Section 1910.2 - Access to Employee Exposure and Medical Records.
 - e. Title 29 Code of Federal Regulations Section 1910.1200 - Hazard Communication
2. Environmental Protection Agency (EPA)
 - a. Title 40 Code of Federal Regulations Section 61 Subparts A and M (Revised Subpart B) - National Emission Standard For Asbestos

1.5 Submittals and Notices

A. AAC shall:

1. Prior to Commencement of Work:
 - a. The AAC shall send notification in accordance with 40 CFR Part 61.146 of Subpart M, to the appropriate State or Federal air pollution control agency responsible for the enforcement of the National Emission Standard for Asbestos at least ten (10) days prior to the commencement of any on-site project activity. Provide Project Designer with a copy of the notice.
 - b. Obtain and submit a copy of the letter from the landfill stating that it is qualified to dispose of asbestos containing material.
 - c. Submit documentation satisfactory to the Building Owner and Project

Designer that the AAC's employees, including foreman, supervisors and any other company personnel or agents who may be exposed to airborne asbestos fibers or who may be responsible for any aspects of abatement activities, have received the appropriate certificates from the Mississippi Department of Environmental Quality.

- d. Maintain "ON SITE" and available for inspection at any time by authorized persons copies of all Accreditation Certificates for each and every person working on this Project, for which accreditation is required.

2. Upon completion of Abatement Work

- a. Submit job progress reports detailing abatement activities. Include review of progress with respect to previously established milestones and schedules, major problems and action taken, injury reports, equipment breakdown and bulk material and air sampling results conducted by AAC's Air Sampling Professional.
- b. Submit copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the work area during the abatement process.
- c. Submit copies of worksite entry logbooks with information on worker and visitor access.
- d. Submit logs documenting filter changes on respirators, HEPA vacuum, negative pressure ventilation units, and other engineering controls.
- e. Submit results of bulk material analysis and air sampling data collected during the course of the abatement, including OSHA compliance air monitoring results.

B. Owner Shall:

1. Prior to Commencement of Work

- a. Notify occupants of work areas that may be disrupted by the abatement of project dates and requirements for relocation. Arrangements must be made prior to start, for relocation of equipment and personal possessions to avoid unauthorized access into the work area.

1.6 Site Security

- A. The work area is to be restricted only to authorized, trained and protected personnel. These may include the AAC's employees, employees of Subcontractors, Owner employees and representatives, State and Local inspectors and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the change room.
- B. Entry into the work area by unauthorized individuals shall be reported immediately to the Building Owner by the AAC.
- C. A logbook shall be maintained near the jobsite. Anyone who enters the work area must record name, affiliation, time in, and time out for each entry.
- D. Access to the work area shall be through a single entrance of the regulated work area. All other means of access (doors, windows, hallways, etc.) shall be blocked or locked so as to

prevent entry to or exit from the regulated work area. The only exceptions for this rule are the waste pass-out access established by the AAC. Emergency exits shall not be locked from the inside, however, they shall be sealed with polyethylene sheeting and tape until needed.

PART 2

2.1 Materials

A. General (all abatement projects)

1. Deliver all materials in the original packages, containers of bundles bearing the name of the manufacturer and the brand name (where applicable).
2. The AAC shall determine the method of attaching polyethylene sheeting to walls, where required. The manner in which polyethylene sheeting is to be supported shall be selected to minimize damage to equipment and surfaces.
6. Polyethylene sheeting utilized for worker change room shall be opaque white or black in color.
7. Disposal bags shall be of 6-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (i) (iv) or OSHA requirement 29 CFR 1910.1001 (g) (2) (ii). Disposal bags will be "TRANSLUCENT" or "CLEAR", **OPAQUE bags not approved.**
8. Disposal drums shall be metal or fiberboard with locking ring tops.
9. Stick-on labels as per EPA or OSHA requirement for disposal drums.
10. Warning signs as required by OSHA 29 CFR 1910 et al, August 10, 1994.

B. Removal

1. Surfactant (wetting agent) shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water or as specified by manufacturer. (An equivalent surfactant shall be understood to mean a material with a surface tension of 29 dynes/cm as tested in its properly mixed concentration, using ASTM method D1331-56 - "Surface and Interfacial Tension of Solutions of Surface Active Agents.") Where work area temperature may cause freezing of the amended water solution, the addition of ethylene glycol in amounts sufficient to prevent freezing is permitted.

2.2 Equipment

A. General (all abatement projects)

1. A sufficient quantity of negative pressure ventilation units equipped with HEPA filtration and operated in accordance with ANSI 29.2-79 (local exhaust ventilation requirements) and EPA guidance document EPA 560/5-83-002 Guidance for Controlling Friable Asbestos-Containing Materials in Buildings Appendix F: Recommended Specifications and Operating Procedures for the Use of Negative Pressure Systems for Asbestos Abatement shall be utilized so as to provide four (4) workplace air changes every hour.
2. Spectacle kits and eyeglasses must be provided for employees who wear glasses

and who must wear full facepiece respirators. Respirators shall be provided that have been tested and approved by the National Institute of Occupation Safety and Health for use in asbestos contaminated atmospheres.

3. Full body disposable protective clothing, including head, body and foot coverings consisting of material impenetrable by asbestos fibers ("Tyvek" or equivalent) shall be provided to all workers and authorized visitors in sizes adequate to accommodate movement without tearing.
4. Additional safety equipment (e.g. hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Z41.1-1967, disposable PVC gloves), as necessary, shall be provided to all workers and authorized visitors.

B. Removal

1. A sufficient supply of scaffolds, ladders, lifts and hand tools (e.g. scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be provided as needed.
2. Sprayers with pumps capable of providing 500 pounds per square inch (psi) at the nozzle tip at a flow rate of two (2) gallons per minute for spraying amended water.
3. Rubber dustpans and rubber squeegees shall be provided for cleanup.
4. A sufficient supply of HEPA filtered vacuum systems shall be available during cleanup.

PART 3

3.1 Execution

A. Work Areas

1. Post caution signs meeting the specifications of OSHA 29 CFR 1910 et al at any location and approaches to a location where airborne concentrations of asbestos may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace enclosure barriers.
2. Place one layer of 6 mil polyethylene sheeting on the ground beneath these windows extending a minimum of 4 feet from the base of the walls.
3. Cover the inside of the windows with a sheet of 4 mil polyethylene sheeting taped to the wall around the window opening.
4. Remove the windows, after wetting with amended water, from the outside of the building and wrap in several layers of 6 mil polyethylene sheeting and secure with tape.

3.2 Workplace Entry and Exit Procedures

A. Personnel entry and exit

1. All personnel who enter the regulated work area must sign the entry log, located in the clean room, upon entry and exit.

3.3 Clearance Air Monitoring

- A. No clearance testing will be required for this project.

3.4 Disposal Procedures

- A. As the work progresses, to prevent exceeding available storage capacity on-site, sealed and labeled containers of asbestos containing waste shall be removed and transported to the prearranged disposal location.
- B. Disposal must occur at an authorized site in accordance with regulatory requirements of NESHAP and applicable State and Local guidelines and regulations.
- C. All dump receipts, trip tickets, transportation manifests or other documentation of disposal shall be delivered to the Building Owner for his records. A recommended record keeping format utilizes a chain-of- custody form which includes the names and addresses of the Generator (Building Owner), AAC, pickup site, and disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form should be signed by the Generator, the AAC, and the Disposal Site Operator, as the responsibility for the material changes hands. If a separate hauler is employed, his name, address, telephone number and signature should also appear on the form.
- D. Transportation to the landfill
 1. Once drums, bags and wrapped components have been removed from the work area, they shall be loaded into an enclosed truck for transportation.
 2. When moving containers, utilize hand trucks, carts and proper lifting techniques to avoid back injuries. Trucks with lift gates are helpful for raising drums during truck loading.
 3. The enclosed cargo area of the truck shall be free of debris and lined with TWO (2) LAYERS OF 6-mil polyethylene sheeting to prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first and extend up the side walls a minimum of TWENTY-FOUR (24) inches. Wall sheeting shall be overlapped and securely taped into place.
 4. Drums or bags shall be placed on level surfaces in the cargo area and packed tightly together to prevent shifting and tipping. Large structural components shall be secured to prevent shifting and bags placed on top. Do not throw containers into truck cargo area.
 5. Personnel loading asbestos containing waste shall be protected by disposable clothing including head, body and foot protection and at a minimum, half-facepiece, air-purifying, dual cartridge respirators equipped with high efficiency filters.
- E. Disposal at the landfill
 1. Upon reaching the landfill, trucks are to approach the dump location as closely as possible for unloading of the asbestos containing waste.

2. Bags, drums and components shall be inspected as they are off-loaded at the disposal site. Material in damaged containers shall be repacked in empty drums or bags as necessary. (Local requirements may not allow the disposal of asbestos waste in drums. Check with appropriate agency and institute appropriate alternative procedures.)
3. Personnel off-loading containers at the disposal site shall wear protective equipment consisting of disposable head, body and foot protection and, at a minimum, half-facepiece, air-purifying, dual cartridge respirators equipped with high efficiency filters.

3.5 Reestablishment of the Work Area and Systems

- A. Reestablishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented to the satisfaction of the Building Owner.
- B. Polyethylene barriers shall be removed from walls and floors at this time, maintaining decontamination enclosure systems and barriers over doors, windows, etc., as required.
- C. The AAC shall visually inspect the work area for any remaining visible residue. Evidence of contamination will require additional cleaning requirements in accordance with Section 3.5.

3.6 Air Sampling Professional (ASP)

- A. The AAC's ASP will conduct job oversight and daily area air sampling each day that abatement work is in progress. A minimum of two inside area samples and two outside area samples shall be collected each day of abatement work. The AAC is responsible for his own OSHA monitoring.

3.7 Personnel Management

- A. The AAC shall exercise complete control over all actions of his employees while on the project site or while off site from the start of work to completion of the entire project.



April 13, 2016

Mr. Michael Britt
North Panola School District
470 Highway 51 North
Sardis, MS 38666

RE: **Asbestos Inspection Services**
North Panola School District
North Panola High School Gym

Dear Mr. Britt:

You requested our services with respect to the presence of Asbestos-Containing Materials (ACM) at the above-referenced property. As such, we conducted a limited site inspection on the 1st of April 2016, which included the collection and analysis of suspect building materials to be disturbed as part of a future renovation project. Suspect ACM's identified and tested were representative of the current building conditions of the interior and exterior of windows on the gymnasium at North Panola High School.

Following our site inspection and sample collection activity, three (3) ACMs were identified. This conclusion is based on the Environmental Protection Agency's (EPA) definition of ACM as material composed of "...greater than 1% asbestos." The ACMs identified on this property are:

- **Exterior window caulk (HA) (NPG-01)**
- **White interior window putty (HA) (NPG-02)**
- **Dark interior window putty (HA) (NPG-03)**

Prior to the disturbance of this ACM, a certified asbestos designer should provide specifications as required by EPA and Mississippi Department of Environmental Quality (MDEQ) regulations. A contractor who is licensed to handle asbestos should complete the removal activity in accordance with design specifications as well as following required EPA AHERA, MDEQ and Occupational Safety and Health Administration (OSHA) regulations. An abatement project of this type would also require that a written

Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources

2001 Airport Road, Suite 201 • Flowood, MS 39206 • Phone: 601.956.3663 • Fax: 601.956.7817 • www.pickeringfirm.com

Mr. Michael Britt
April 13, 2016

North Panola Gym Windows
Page 2

notification be submitted to the MDEQ at least ten (10) working-days prior to the beginning of the project.

Please find attached a detailed report of findings that includes ACMs material identified, and sample location drawing. Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,
PICKERING FIRM, INC.

A handwritten signature in blue ink, appearing to read "Beau Hale", with a stylized flourish extending to the right.

Beau Hale, RPG
Geologist
Enclosure

Cc: File 24479.03

**ASBESTOS-CONTAINING MATERIALS
SURVEY AND ASSESSMENT
NORTH PANOLA SCHOOL DISTRICT
NORTH PANOLA HIGH SCHOOL
GYM WINDOWS**



PREPARED FOR:

**NORTH PANOLA SCHOOL DISTRICT
470 HIGHWAY 51 NORTH
SARDIS MS, 38666**

PREPARED BY:

**PICKERING FIRM, INC.
2001 AIRPORT ROAD
SUITE 201
FLOWOOD, MISSISSIPPI 39232**



**April 13, 2016
Pickering Project No. 24479.03**

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Appendix 4.3 Certification -Mississippi Asbestos Inspector Certification	

1.0 EXECUTIVE SUMMARY

This Asbestos-Containing Building Material (ACBM) was performed to identify suspect building materials that will be affected during a planned renovation of the gymnasium at the North Panola High School. This report describes the inspection tasks and presents our findings and recommendations.

North Panola High School is located at 500 Highway 51 North in Sardis, Mississippi. The area of the gymnasium surveyed consisted of interior and exterior building material on north side windows. The areas of the building surveyed are shown in Appendix 4.2, Asbestos Sample Locations Map.

Prior to the initial walk-through inspection of the facility, special precautions and security/access requirements were coordinated with Mr. Michael Britt of the North Panola School District. At the time of the inspection, all areas planned for renovation in the facility were accessible and were visually inspected.

During our inspection, all areas to be renovated were visually inspected and the locations of suspected ACM's were noted. After all suspect materials were identified, a minimum of two (2) samples of each homogeneous material were collected for analysis. The samples were subsequently labeled and submitted to an accredited laboratory for asbestos analysis by Polarized Light Microscopy (PLM).

2.0 FINDINGS-ASBESTOS

The ACBM inspection was conducted on April 1, 2016 by an Asbestos Inspector with the Pickering Firm. A copy of the Inspector's Certification is shown in Appendix 4.3. During the asbestos inspection, a total of eight (8) samples of homogenous materials were collected and analyzed for asbestos content. According to the analytical results, three (3) homogenous material were identified to contain asbestos. This conclusion is based on the Environmental Protection Agency (EPA) definition of an ACM as material composed of "...greater than 1% asbestos." Laboratory data is found in Appendix 4.1, Analytical Results. A figure detailing the ACBM material identified during the inspection is found in Appendix 4.2, Asbestos Sample Locations Map.

The ACMs identified on this property are:

- **Exterior window caulk (HA) (NPG-01).** This material is located on the exterior of the windows on the north side of the gymnasium. Laboratory analysis revealed that this material contains approximately 2% chrysotile asbestos. This material is in good condition and classified as a Category II, non-friable ACM according to National Emission Standards for Hazardous Air Pollutants (NESHAPS) regulations.
- **White interior window putty (HA) (NPG-02).** This material is located on the interior of the windows on the north side of the gymnasium. Laboratory analysis revealed that this material contains approximately 2% chrysotile asbestos. This material is in good condition and classified as a Category II, non-friable ACM according to National Emission Standards for Hazardous Air Pollutants (NESHAPS) regulations.
- **White interior window putty (HA) (NPG-03).** This material is located on the interior of the windows on the north side of the gymnasium. Laboratory analysis revealed that this material contains approximately 2% chrysotile asbestos. This material is in good condition and classified as a Category II, non-friable ACM

according to National Emission Standards for Hazardous Air Pollutants (NESHAPS) regulations.

Sample analyses indicate that no asbestos or less than 1% asbestos was detected in the following samples:

- Exterior window putty (HA) (HSE-01)

3.0 RECOMMENDATIONS-ASBESTOS

Considering these findings, EPA's NESHAP 40 CFR 61, Subpart M, and the MDEQ title 11 Mississippi Administrative Code, Part 2, Chapter 1 requires the removal of ACM before any renovation or demolition takes place that will disturb those materials and render them friable. Also, because this building is a K-12 school facility, it is regulated under the EPA's Asbestos Hazard Response Act (AHERA) which entails more stringent requirements such as a certified asbestos designer to provide a specification, specific air monitoring and air clearance requirements. Under Mississippi Department of Environmental Quality title 11 Part 2: Air Regulations Chapter 10 "The Asbestos Abatement Accreditation and Certification Act", codified as Miss. Code Ann. §§37-138-1 through 37-138-31, this regulation requires that all persons who perform inspections and reinspections, prepare management plans and perform as air monitors, contractors, project designers, supervisors and workers in abatement projects for the purpose of identifying, evaluating and abating the hazard of asbestos-containing material in public and private elementary and secondary school buildings and in all public and commercial buildings in this (Mississippi) State must be accredited and certified as qualified to perform such asbestos abatement activities. Therefore, any future expansion, demolition, or renovation activities at this facility that would impact any of these ACMs should follow the NESHAP, AHERA, MDEQ and OSHA regulations. A renovation project of this type will also require a written notification to be submitted to the MDEQ ten (10) working days prior to the beginning of the project.

4.0 APPENDICES

APPENDIX 4.1
ANALYTICAL RESULTS



EMSL Analytical, Inc.

11931 Industriplex, Suite 100 Baton Rouge, LA 70809
Tel/Fax: (225) 755-1920 / (225) 755-1989
<http://www.EMSL.com> / batonrougelab@emsl.com

EMSL Order: 251602036
Customer ID: POWE54
Customer PO: 15909
Project ID:


Attention: Willie Nester
Pickering, Inc.
2001 Airport Road
Suite 201
Flowood, MS 39232
Project: 24479.03/North Panola Gym Reno

Phone: (601) 259-6671
Fax: (601) 956-7817
Received Date: 04/06/2016 10:45 AM
Analysis Date: 04/06/2016
Collected Date: 04/01/2016

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
NPG-01-01 <small>251602036-0001</small>		Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
NPG-01-02 <small>251602036-0002</small>					Positive Stop (Not Analyzed)
NPG-02-01 <small>251602036-0003</small>		Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
NPG-02-02 <small>251602036-0004</small>					Positive Stop (Not Analyzed)
NPG-03-01 <small>251602036-0005</small>		Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
NPG-03-02 <small>251602036-0006</small>					Positive Stop (Not Analyzed)
NPG-04-01 <small>251602036-0007</small>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NPG-04-02 <small>251602036-0008</small>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

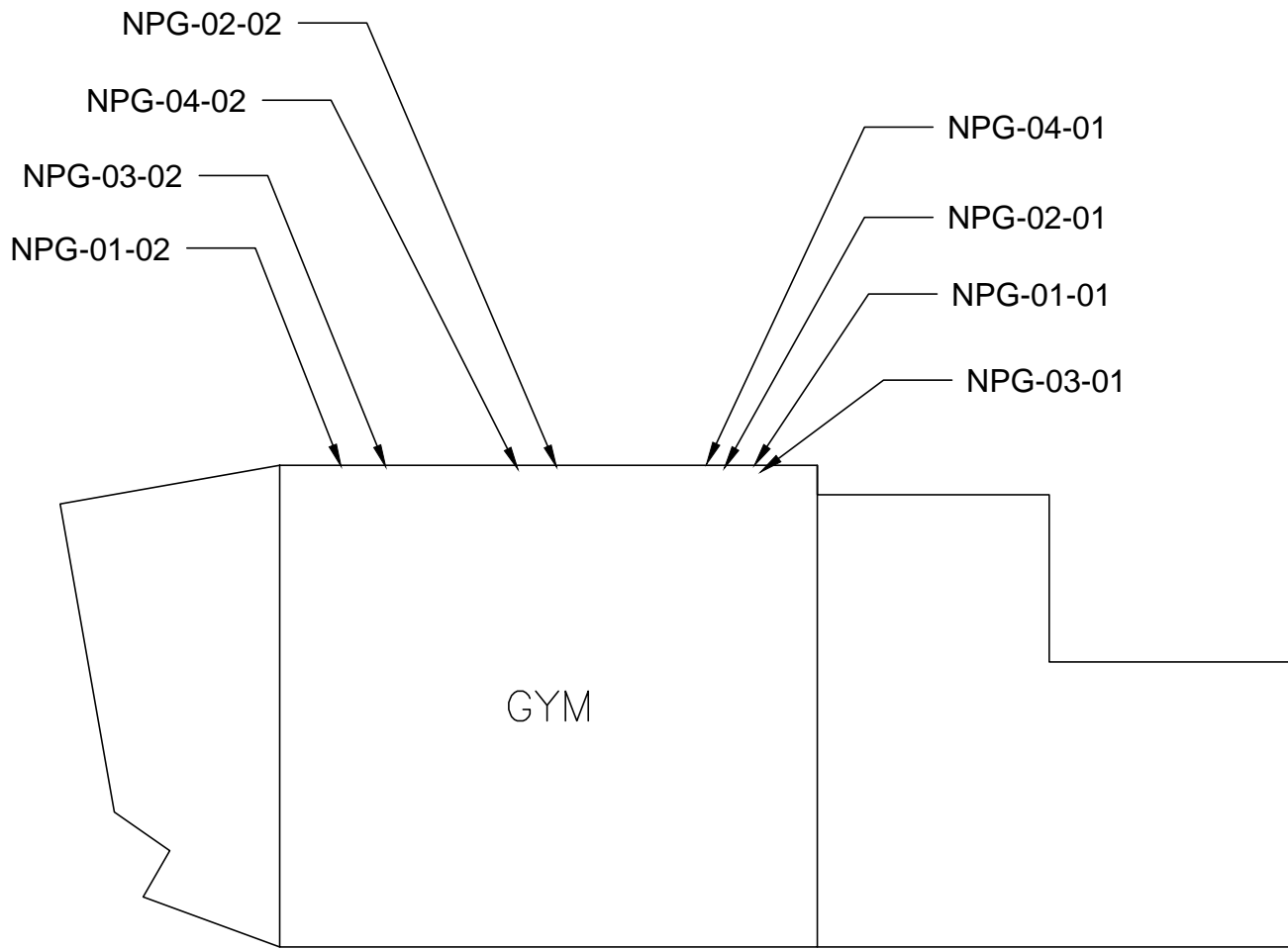
Analyst(s)
Jamie Laginess (5)


Brett Heitzmann, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Baton Rouge, LA NVLAP Lab Code 200375-0, LELAP 01950, TX 300238


Initial Report From: 04/06/2016 17:36:12

APPENDIX 4.2
ASBESTOS SAMPLE LOCATIONS MAP



LEGEND

- NPG-01-01 – Bulk Sample Location
- NPG-01-01 – Positive Bulk Sample Location

FIGURE #:		NORTH PANOLA HIGH SCHOOL GYM NORTH PANOLA SCHOOL DISTRICT SARDIS, MISSISSIPPI	 <small>Pickering Firm, Inc. Facility Design • Civil Engineering • Surveying • Transportation • Hazardous Waste Resources 2001 Jackson Road, Suite 201 Hoschton, MS 38625 (601) 995-9600</small>	PROJECT #: 24479.03
1	ASBESTOS SAMPLE LOCATIONS			DATE: APRIL 2016
				DRAWN BY: BH
				DESIGNER: BM
				CHECKED BY: WN

APPENDIX 4.3
CERTIFICATIONS

State of Mississippi

*Department of Environmental Quality
Office of Pollution Control*

Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act,
Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

Beau D. Hale

Having submitted acceptable evidence of qualifications and
training and other appropriate information, is hereby granted this

***Asbestos Inspector
Certification***



***Certificate No.: ABI-00001849
Expiration Date: Mar 3rd, 2017
Training Expires on Mar 3rd, 2017***

Chief, Asbestos & Lead Certification Branch

45619 LIC20160001