DATE: March 3, 2011

Illinois Valley Community College
Oglesby, Illinois 61348

By: Ideal Environmental Engineering, Inc.
2904 Tractor Lane
Bloomington, Illinois 61704-9163
Phone: 309/628-4259
Fax: 309/628-5735

TO: PROSPECTIVE BIDDERS

SUBJECT: ADDENDUM NO. 1 TO THE BIDDING DOCUMENTS FOR
Asbestos Abatement for Chemistry Lab Renovation at Building E
Illinois Valley Community College
815 North Orlando Smith Avenue, Building E
Oglesby, Illinois, Illinois 61348

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents, dated February 18, 2011. Acknowledge receipt of this addendum in space provided on Bid Form. FAILURE TO DO
SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

******************************************************************************************

PROJECT MANUAL:

1. Section 01010 – Project Summary
   Delete Subparagraph 1.1.A in its entirety and substitute the following:
      A. Base Bid:
         1. Remove asbestos-containing materials from the Chemistry Lab as follows:
            a. All laboratory table tops (approximately 1,807 square feet).
            b. Transite-lined fume hoods with attached laboratory table tops (approximately 6
               each).
            c. Drywall/skim coat wall and ceiling system in the west laboratory and south
               entrance for demolition (approximately 2,314 square feet).
            d. Drywall/skim coat ceiling on N-S soffit (approximately 225 square feet).
            e. Drywall/skim coat wall system in various locations for plumbing access (10
               locations at approximately 9 square feet each).
            f. Drywall/skim coat ceiling system surrounding fume hood (1 location at
               approximately 21 square feet).

         2. Scrape asbestos-containing drywall/skim coat materials from the Chemistry Lab as
            follows:
            a. Ceiling strip in main laboratory for ceiling work (1 location at approximately 56
               square feet).
            b. Ceiling strip in east center office for ceiling work (1 location at approximately 16
               square feet).
            c. Ceiling surrounding the light fixture (1 location at approximately 2 square feet).
            d. Wall spots for electrical installation (14 locations at approximately 1 square foot
               each).
            e. Delaminated/damaged wall for surface repair (1 location at approximately 3 square
               feet).
            f. Wall spots for wall-mounted smoke detectors (3 locations at approximately 1
               square foot each).

2. Section 02082 – Asbestos Abatement
   Delete Section 02082 in its entirety and replace with the attached Section 02082R.
DRAWINGS:
1. **Sheet ASB-1**
   Delete current Sheet ASB-1 issued as part of the Contract Documents. Replace with ASB-1R included in this Addendum.

2. **Sheet ASB-2**
   Delete current Sheet ASB-2 issued as part of the Contract Documents. Replace with ASB-2R included in this Addendum.

SPECIAL NOTES OF INTEREST
The following information is printed and bound within the Project Manual; however, was not verbally discussed at the Pre-Bid Meeting. Engineer suggests Bidders take note of:

1. The Bid Form (page 00300-1) requires Bidders provide current insurance certificate as required for IDPH Asbestos Contractor License. The Supplementary General Conditions (Section 00800, pages 4-5) requires the Contractor to provide insurance as specified in the Project Manual.

BID DATE:
1. This Addenda does not alter the previously published bid date.

Very truly yours:

Jerry L. Wilson, P.E.
Licensed Asbestos Project Designer 100-01338

This addendum consists of two pages and the following attachments.
- Pre-Bid Meeting Attendance Record
- Section 02082R - Asbestos Abatement (6 pages)
- Sheet ASB-1R
- Sheet ASB-2R

License Expiration Date: 11/30/11
Signature: [Signature]
Date Signed: 3/9/10
# Pre-Bid Meeting Attendance Record

**Project Description:** Asbestos Abatement for Chemistry Lab Renovation at Building E  
**Owner:** Illinois Valley Community College / 812 North Orlando Smith Avenue / Oglesby, Illinois 61348  
**Site:** Illinois Valley Community College, Building E / 812 North Orlando Smith Avenue / Oglesby, Illinois 61348  
**Date:** Tuesday / March 1, 2011  
**Time:** 10:00 a.m.

<table>
<thead>
<tr>
<th>Name (PLEASE PRINT)</th>
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<th>Phone Number</th>
<th>Fax Number</th>
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<tbody>
<tr>
<td>2. Brian Hughes</td>
<td>Midwest Service Group</td>
<td>219-322-4477</td>
<td>9977</td>
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<td>3. Scott Montgomery</td>
<td>Valor Technologies Inc</td>
<td>620-619-9800</td>
<td>9809</td>
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<tr>
<td>4. Dave Green</td>
<td>Midway Contracting</td>
<td>708-342-1200</td>
<td>1202</td>
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<td>5. Kurt Schultz</td>
<td>COFEx Corporation</td>
<td>773-489-4170</td>
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<td>6. Ralph Levisyka</td>
<td>ARC Env</td>
<td>708-369-6619</td>
<td>773-6318266</td>
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<td>7. Jim Holush</td>
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<td>815-675-1683</td>
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<td>8. Bob Placek</td>
<td>AES, Inc.</td>
<td>847-980-5243</td>
<td>847-381-8094</td>
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<td>9. Dan Sochaen</td>
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<td>630-862-2669</td>
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<td>10. Troy Shafter</td>
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<td>217-201-1463</td>
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<td>11. Ron Sanjajcono</td>
<td>NES</td>
<td>708-478-5487</td>
<td>708-478-5801</td>
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<tr>
<td>12. Chad Swad</td>
<td>IVCC</td>
<td>815-227-0378</td>
<td>815-224-0388</td>
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<td>13. Angela Kotarsky</td>
<td>PCA Architects, Ltd</td>
<td>815-434-0108</td>
<td>815-434-1603</td>
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<td>14. Raymone West</td>
<td>IVCC</td>
<td>815-224-0418</td>
<td>815-224-0294</td>
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<tr>
<td>15. Cheryl Andrye</td>
<td>IVCC</td>
<td>815-224-0419</td>
<td>815-224-0294</td>
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<tr>
<td>Guido Gornitz</td>
<td>DEM</td>
<td>708 544 2244</td>
<td>2006</td>
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<tr>
<td>Shabir Fazanelli</td>
<td>Angel Abatement</td>
<td>708 243 1950</td>
<td>708 983 6603</td>
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1. GENERAL
1.1 WORK INCLUDES
   A. Contractor
      1. Complete removal and legal disposal of all asbestos containing and contaminated materials
         (ACM) as described in this Project Manual, as shown on Drawings and/or revisions thereof, and
         as indicated by Addenda or approved Change Order.
      2. Verify all quantities, dimensions, and measurements on-site. Listed quantities, dimensions, and
         measurements are estimates only.
      3. Any questions or clarifications shall be directed to the Engineer.
   B. Others
      1. By Engineer:
         a. Provide for duties of APM and ASP.
      2. By Owner:
         a. Remove and store all loose items Owner wants to keep from the Work areas prior to start
            of Work in the area. All other loose items shall be removed by Contractor as ACM.
         b. Move all previously cleaned furnishings back into accepted cleaned areas after completion
            of Work.
         c. Perform its responsibilities in accord with referenced Parts of the IDPH Rules for Asbestos

1.2 RELATED WORK
   A. Not Applicable.

1.3 RELATED REQUIREMENTS
   A. Specified elsewhere:
      1. Section 01010 - Project Summary
      2. Section 01060 - Definitions and Regulatory Requirements
      3. Section 01301 - Submittals
      4. Section 01310 - Construction Schedule
      5. Section 01416 - Quality Control

1.4 AUTHORITY TO STOP WORK
   A. IDPH, Engineer, APM, Owner, or any state or federal agent may issue emergency stop work orders
      to the Contractor.
   B. Emergency stop work orders may be issued at any time conditions are not within these
      Specifications and applicable regulations.
   C. Removal shall not begin again until the conditions initiating the stop work order have been corrected
      and corrective actions have been taken to the satisfaction of the Engineer and/or the Owner.
   D. Time, materials, and analytical samples required to resolve violations shall be at the expense of the
      Contractor.

1.5 PROTECTION
   A. Contractor shall provide protection for personnel (including visitors) and building in accord with all
      applicable rules and regulations and this Project Manual. Protection shall include protective
      disposable clothing and proper respiratory protection.

1.6 SITE SAFETY
   A. Contractor shall be solely responsible for site safety in accord with the General Conditions.
   B. Contractor shall provide Site Safety Plan to the APM on the first day of the project, including, at a
      minimum:
         1. APM, ASP, and Contractor's supervisor telephone numbers.
2. Name, address and telephone number of nearest hospital or emergency care facility.
3. Written directions or map to nearest hospital or emergency care facility.

C. Contractor shall provide sufficient fire extinguishers to adequately protect the site. At a minimum, Contractor shall provide fire extinguishers at the following locations:
1. Entrance to the worker decontamination enclosure system.
2. Entrance to the equipment decontamination enclosure system.
3. At sufficient locations inside the containment, as to react quickly in the event of fire.
4. Fire extinguishers shall be capable of extinguishing fires resulting from chemicals and materials being used.

2. PRODUCTS/EQUIPMENT

2.1 ASBESTOS ABATEMENT EQUIPMENT
A. Contractor shall use only materials and equipment complying with the IDPH Rules and this project manual.

B. Contractor shall use disposal bags 6-mil in thickness. No equivalents are permitted.

C. Contractor shall use poly sheeting 4-mil and 6-mil as required by IDPH Rules. No equivalents are permitted.

2.2 ACCEPTABLE PRODUCTS
A. Mastic Remover.
   1. Flash point shall be greater than 200°F
   2. Lower explosive limit shall be greater than 5%.

2.3 RESPIRATORY PROTECTION
A. During all segments of asbestos removal and cleanup activities, respirator usage shall be required for all personnel within the contained work areas at all times. The Contractor shall provide respiratory protection sufficient to maintain 0.01 f/cc inside the respirator. Respiratory protection listed below is the minimum requirement for the designated work area fiber levels.
   1. Half-face air purifying respirators: up to 0.1 f/cc
   2. Powered air purifying respirators: up to 0.25 f/cc
   3. Type C supplied air respirators, full face piece:
      a. Continuous flow mode: up to 0.5 f/cc
      b. Pressure-demand mode: up to 2 f/cc
   4. Self-contained breathing apparatus (SCBA): over 2 f/cc

B. When solvents or other chemicals are being used, Contractor shall provide approved respiratory protection as recommended in the manufacturer's MSDS.

3. EXECUTION
3.1 GROSS REMOVAL OF ASBESTOS-CONTAINING MATERIALS
A. PREPARATION
   1. Construct all necessary separation barriers needed to completely enclose the work area.
   2. Post warning signs meeting the requirements of OSHA 29 CFR 1926.1101(k)(7) at the outside doorway to the decontamination facility which shall be the only non-emergency entrance into the work area. The Engineer or the Owner may also request the Contractor post additional warning signs around the work area or at other potential entrances or exposure points. The warning signs shall be readily visible to any person attempting to enter the work area.
   3. Shut down and isolate all HVAC and electrical systems connected to the work area in accord with approved isolation plans.
   4. Provide temporary power and lighting to work areas, and ensure safe installation of temporary power sources and equipment.
   5. Isolate the work area for the duration of work by completely closing and sealing all openings and doorways into the work area including, but not limited to, heating and ventilation ducts, doorways, windows, floors and ceiling penetrations, and lighting. Isolation/sealing shall be accomplished by using two layers of 6-mil plastic sheeting taped securely in place, or by caulking. The work area shall be sealed airtight and protected to the extent possible, and be subject to the approval of the APM.
6. Pre-clean all dust or debris from any fixed objects, floors, carpets, radiators, or other equipment. Pre-cleaning shall consist of HEPA-vacuuming and wet-wiping.

7. Seal all seams, joints, covers or casings with tape, and enclose fixed objects or equipment with a minimum of two layers of 6-mil poly sheeting secured and sealed airtight with duct tape. Provide and install plywood coverings as necessary to protect fixed items which could be accidentally damaged.

8. Construct worker decontamination facility (decon) at locations shown on the Drawings, in accord with OSHA regulations.
   a. Keys to the lockable door shall be distributed to the APM.
   b. The decon shall be wet cleaned and HEPA-vacuumed after each shift change and meal break.

9. Construct equipment decontamination facility enclosure system (load-out) at the locations shown on the Drawings using the same construction detail for the worker decontamination facility (decon).
   a. The chambers of the load-out shall be of sufficient size to handle the waste being generated. No more than one set of flapped doors shall be allowed to remain open at any time.
   b. Keys to the lockable door shall be distributed to the APM.
   c. The load-out shall be wet cleaned upon completion of any waste removal.

10. Where flooring materials are not being removed, cover floor with a minimum of one layer of 6-mil poly sheeting, turning the poly up onto wall a minimum of 12"., and fasten securely to wall where wall materials are not being removed. Where walls are being removed, secure the floor poly to the floor at the base of the wall. Where wall materials are not being removed, cover walls with one layer of minimum 4-mil plastic sheeting, extending to the floor, overlapping the floor sheet by not less than 12". All joints in the plastic sheeting shall be taped and glued in a manner to prohibit air movement, and to prevent passage of water or other liquids.

11. Install work area HEPA-filtered exhaust systems. The exhaust system must be capable of providing:
   a. At least four full air changes per hour in the work area
   b. An inward velocity through any openings, including the decontamination facilities.
   c. A static negative pressure inside the work area of a minimum -0.02 inches water column as documented by a manometer with a working strip chart recorder.
      1) Defective manometers, including non-functional strip charts are not acceptable and must be repaired or replaced prior to the next scheduled work shift.

12. All exhaust air shall pass through HEPA-filters before being discharged to the exterior of the building. The exhaust systems shall be operated twenty-four hours per day at all times during removal, encapsulation, and clean-up tasks; and until final clean air certification is obtained for the area.

13. The exhaust system must conform to the previously described requirements and 29 CFR 1926.1101(g)(5)(ii)(A) with equipment conforming to 29 CFR 1926.1101 Appendix F.

14. On loss of negative pressure or electric power, all work activities in the area shall stop immediately and shall not resume until power is restored and the HEPA-exhaust systems are operating again. When power failure or loss of negative pressure happens, the following shall occur:
   a. The decontamination facilities shall be sealed airtight after the evacuation of all personnel from the work area.
   b. All adjacent areas shall be monitored for asbestos fiber concentration upon discovery of, and subsequently throughout the power failure.

15. Emergency and fire exits shall be maintained or alternate exits shall be established.

B. REMOVAL

1. Contractor shall perform all asbestos abatement work in accordance with NESHAP (40 CFR Part 61), and OSHA (29 CFR 1926.1101) and these Specifications.

2. Contractor shall not begin abatement work until the following requirements have been met and documented:
   a. Enclosure systems shall be constructed, smoke tested, and documented by Contractor's supervisor.
   b. The static negative pressure inside the work area of a minimum of -0.02 inches water column as documented by a manometer with a working strip chart recorder.
   c. The APM shall approve the enclosure systems, including the testing and documentation.
d. All pre-abatement submittals, notifications, postings and permits shall be provided and are satisfactory to the Engineer.

e. All equipment for abatement, cleanup and disposal shall be on hand.

f. All worker training and licensing shall be completed and on site.

3. All asbestos-containing materials shall be wetted with an amended water solution using equipment capable of providing a fine spray mist in order to reduce airborne fiber concentrations when the material is disturbed. The material shall be saturated to the substrate; however, excessive water shall not be allowed to accumulate in the work area.

4. All removed material shall be kept wet enough to prevent fiber release until containerized for disposal. A high humidity in the work area shall be maintained by misting or spraying to assist in fiber settling and to reduce airborne concentrations.

5. After large areas of the asbestos material have been fully wetted and tested, the asbestos shall be carefully removed in small sections by hand using scrapers or other suitable tools.

6. As the material is removed, it shall be promptly wetted and packed into impermeable, labeled 6-mil polyethylene disposal bags. When each bag is full, the packaged material shall be misted with amended water until fully saturated, sealed, and transported to a temporary storage area inside of the work area.

7. Material removed from building structures or components shall not be dropped or thrown to the floor. Material shall be removed as intact sections or components whenever possible and carefully lowered to the floor.

8. Use of electrical grinding or cutting tools, high RPM power equipment, pressure washers, or hydro-blasters for removal of asbestos materials is not acceptable.

9. Contractor shall repeatedly mist friable material to prevent it from drying out.

10. Metal shovels shall not be used to pick up or move waste on a floor.

11. Once the majority of the asbestos is removed, Contractor shall scrub the substrate surface with a nylon brush or equal, and water, and then thoroughly wash it to remove all remaining material.

12. Contractor shall minimize contamination of the work floor, the exterior of the disposal containers, and all other surfaces within the work area. All surfaces shall be cleaned of all materials and then HEPA-vacuumed or wet mopped at the end of each shift.

3.2 CLEANUP
A. Contractor shall perform all cleanup work in accord with NESHAP and OSHA.

B. Contractor shall pay close attention to thresholds, corners, cracks and seams to ensure they are thoroughly clean.

3.3 ASBESTOS WASTE DISPOSAL PROCEDURES
A. Contractor shall fully comply with current federal, state, and local waste hauling, transportation, and disposal regulations for the Project site.

B. Contractor shall document disposal of the waste by completing a written disposal certificate, signed by the landfill operator, and forwarding the original to the Engineer.

C. All waste shall be placed in containers, either 6-mil polyethylene bags or drums lined with 6-mil poly sheathing. Containers shall be sealed when full. Asbestos-containing material shall be double-bagged when only polyethylene bags are used for disposal. Bags shall not be overfilled. The bags shall be sealed to prevent accidental opening and leakage by taping in gooseneck fashion. Bags shall not be sealed with wire or cord. Bags shall be decontaminated on the exterior surfaces by wet cleaning and labeled before being placed in clean drums (if applicable) and sealed with locking ring tops.

D. Large components shall be wrapped in two layers of 6-mil poly sheeting and secured with duct tape for transport to the landfill.

E. Contractor shall count or measure the volume of each filled container leaving the work area, and maintain a written record of such.
F. Warning labels, in compliance with OSHA, EPA, and DOT requirements, shall be affixed to the sides of all waste bags or transfer containers. Warning labels shall be legible and, at a minimum, contain the following words:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

G. Generator labels must appear on all waste bags or transfer containers. The generator labels shall be legible and contain the following words: ("Fill in actual information.")

Illinois Valley Community College
815 North Orlando Smith Avenue, Building E (Chemistry Lab)
Oglesby, Illinois, Illinois 61348

*Contractor Name
*Contractor Address
*Contractor City, State, Zip Code

H. All containerized waste shall be removed from the work area and the holding area on a daily basis during 2nd shift hours. Contractor shall coordinate waste removal activities with APM and Owner so as not to interfere with building activities nor cross paths with the building occupants. Waste shall be transported to the dumpster or trucks in covered pushcarts. Contractor may temporarily store asbestos-containing materials in locked dumpsters or enclosed trucks at the site. The dumpster or enclosed truck shall be lined with one layer of 6-mil poly sheeling prior to piecing waste containers in the dumpster or truck. Whenever trucks or dumpsters are being loaded or unloaded with asbestos waste, Contractor shall post sign in accord with the 1990 NESHAP STANDARD—"DANGER, ASBESTOS DUST HAZARD, CANCER AND LUNG DISEASE HAZARD, AUTHORIZED PERSONNEL ONLY."

I. Contractor shall transport all waste to an EPA approved landfill. A waste shipment record, in accordance with the 1990 NESHAP Standard, shall be completed for each load of waste.

3.4 FINAL INSPECTION
A. After a thorough cleaning of the work area in accord with Paragraph 3.2, and if a high degree of cleanliness has been achieved, the Contractor shall notify the APM that the work area is ready for inspection and clearance air monitoring. The APM and the Contractor shall then visually inspect the work area for the detection of any visible asbestos dust or contamination. If the visual inspection does not reveal any dust or other signs of contamination, clearance air monitoring may commence.
   1. Contractor shall take into consideration the conditions outside the work area before authorizing clearance air monitoring. By authorizing clearance air monitoring, Contractor accepts the conditions and activities outside the work area and determines they will have no impact on the clearance sampling event.

3.5 CLEARANCE AIR MONITORING AND ANALYSIS
A. Clearance air samples will be collected in accordance with IDPH Rules.
B. Clearance air samples will be collected using aggressive air sampling techniques.
C. Clearance air sample analysis by Phase Contrast Microscopy (PCM):
   1. The clearance air samples will be analyzed in accord with the National Institute for Occupational Safety and Health (NIOSH) 7400A methodologies.
   2. Release criteria: All clearance air samples analyzed show less than or equal to 0.01 fibers per cubic centimeter.
D. Contractor shall be responsible for all costs associated with failed clearance air samples, including, but not limited to, re-cleaning work area under the direction of the APM, recollection of clearance air samples by the ASP, and re-analysis of the clearance air samples.

3.6 SUBSTANTIAL COMPLETION
A. Upon receipt of acceptable clearance air sampling results, Contractor shall perform the following tasks prior to achieving substantial completion, in accord with the General Conditions and Supplemental General Conditions
   1. Shut down negative pressure ventilation equipment.
2. Remove all poly seals installed in openings to the work area.
3. Disassemble decon and load-out enclosures and remove from the site, if applicable.
4. Remove all equipment, excess materials, and supplies from the site, if applicable.

3.7 FINAL COMPLETION AND ACCEPTANCE
A. The Project will be considered completed and will be accepted by the Owner when the following have occurred:
   1. All equipment and materials brought to the site by the Contractor have been removed.
   2. All punchlist items have been completed.
   3. All asbestos waste materials have been transported to an approved landfill and the signed waste manifest has been submitted to the Engineer.
   4. All submittals required before, during, and after the project have been made by the Contractor and found to be satisfactory by the Engineer.
B. The Engineer will not approve the Contractor's final application for payment unless the Project is considered complete as noted above.

END 02062R.