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February 7, 2012

Mr. Craig Wiles
Wiles Architects
155 Brooklawn Avenue
Bridgeport, CT 06604

RE: Phase II Environmental Testing – Fairfield Ludlowe High School in Fairfield, CT – Renovation Project

Dear Mr. Wiles:

AMC Environmental is pleased to have the opportunity to continue to provide our environmental testing services in connection with the renovation project at Ludlowe High School, located at 785 Unquowa Road in Fairfield, CT. We understand that every project has its own set of challenges and this project is not different. We have become familiar with the school and have a good understanding of the details involved in completing this project. We also understand the need to assess the indoor air quality within the building due to the presence of PCBs in the window caulk and glazing.

Background

AMC conducted an initial (Phase 1) environmental assessment in response to the proposed window replacement project. The results of the assessment documented the presence of asbestos containing window glazing and PCB window caulking at levels both significantly greater and less than EPA threshold of 50 part per million (PPM). The data obtained from the initial asbestos inspection was not sufficient to provide enough information to properly assess the extent of asbestos containing materials that will be impacted during the window replacement project, due to the restraints of sampling budget. Further testing will be required to accurately categorize ACM from Non-ACM based on homogeneous areas. In addition, due to the limited amount of PCB sampling allowed during the initial assessment, and the documented levels of PCBs greater than 50 PPM, additional sampling will be required. The additional sampling we are proposing will thoroughly assess the extent of the Asbestos and PCB caulk associated with the window systems throughout the school.

Assessment

AMC's licensed/certified Inspector will complete the Phase II environmental testing required to fully identify the extent and parameters of PCB containing materials associated with the window replacement project. AMC will complete the *bulk sampling* necessary to accurately characterize each section of the school, and by doing so, isolate the PCB from NON-PCB materials. Ludlowe High School houses more than nine hundred (900) windows that are composed of approximately forty (40) different window types. All windows will need to be grouped into homogenous categories, and sampled appropriately. Homogenous material is defined as a material of like physical appearance and origin of installation. In this particular project, window types and installation dates will assist in the classification of homogeneous material. Sample results will be representative in each group of homogenous material tested, therefore eliminating the need to obtain samples in every room.

Additionally, AMC will obtain *substrate samples* of the surfaces surrounding the window systems, where PCB caulk has been identified. This will include both interior and exterior substrates such as the surrounding brick/concrete block walls.

Soil samples will also be evaluated and sampled to determine the extent of the PCB contamination, if any. This portion of work is dependent on receiving conclusive results from bulk sample collection, as well as the extent of the PCB substrate migration, if any. If migration is severe, the amount of man-days and samples will significantly increase due to additional sampling required by the EPA.

Per your request, we will obtain background PCB *air samples* to provide data on the quality of the indoor air within the school, with respect to PCB hazards. We will employ EPA Method TO-10A, with this method a low-volume (1 to 5 L/minute) sample is used to collect vapors on a sorbent cartridge containing PUF or PUF in combination with another solid sorbent. Upon receipt of the results of the follow-up sampling AMC will create a PCB Abatement Plan specific to the renovation project that shall be used to assure compliance with all Federal requirements for PCB removal and disposal. This plan is required to be submitted to the EPA Region 1 office and is subject to their approval.

Future Project Considerations

Please note that the costs outlined in this proposal are to complete the second phase of testing for this project. There are many other costs associated with a project of this size and scope. When requesting funding, please consider that additional site visits and sampling will likely be needed to fully capture the extent of PCB presence and migration. An extensive abatement plan will be required, project monitoring during the actual Abatement of the materials, and final clearance visuals and sampling as well. It is very difficult to estimate total cost on this type of project, as there are a number of variables involved that cannot be calculated at this time.

Based on the information we have at the time of this proposal our fee schedule is as follows.

Fee Schedule

Inspection – Phase II

Follow-up Inspection and Sampling (Approximately 10-15 man power days)	$520.00 per day
Asbestos PLM Bulk Samples	$12.50 per sample
PCB Samples (soil, substrate and bulk samples)	
(5-7 day around time turn*)	$100.00 per sample
(3 day turn around time*)	$120.00 per sample

Approximately 120-150 PCM samples and 40-50 Asbestos bulk samples will be taken. This is only an estimate and the amount taken may be greater or lesser. This phase may require several rounds of follow-up sampling depending extent of PCBs documented and on migration of PCBs into substrates.

PCB Ambient Air Sample (method TO10A)	
(5-7 day turnaround time*)	$200.00 per sample
(3 day turnaround time*)	$225.00 per sample
Overnight Shipping Charge (samples to lab)	$35.00 each
Report Charge	$350.00 -$500.00

The following additional services will be required upon receipt of the results of the additional sampling.

Phase III – Development of Abatement Plan

PCB Abatement Plan (Includes: Site visits required to develop plan, communication with EPA-Region 1, 4 hours of meeting time any additional time will be billed accordingly)	$2,500.00 -$3,000.00
Drawings	To be determined

Phase IV – Monitoring and clearance sampling (wipes and air)

Daily Full-Time Project Monitoring During remediation (Asbestos and PCB project monitoring)	$520.00 per day plus samples
Asbestos PCM Monitoring Samples	$15.00 per sample
Total Suspended Particulate (TSP) Monitoring	$100.00 per day
PCB Samples (wipe samples) (*Final clearance requires one wipe per 20 linear feet of caulking/glazing)	
(5-7 day around time turn*)	$100.00 per sample
(3 day turnaround time*)	$120.00 per sample
PCB Clearance Air Sample (Method TO10A)	
(5-7 day turnaround time*)	$200.00 per sample
(3 day turnaround time*)	$225.00 per sample
Overnight Shipping Charge (samples to lab)	$35.00 each

* Turnaround time is based on the time when the laboratory receives the samples.

Please note that this fee schedule and any estimated amount of samples is just an estimate. There are too many outstanding variables at this time (i.e. abatement plan needs to be approved by the EPA and follow-up sampling to determine the amount of contamination). As the project proceeds and becomes more definitive this proposal may/can be adjusted to reflect any additional changes that might arise.

In the event of non-payment, any legal fees incurred to collect any portion of the outstanding balance will be the sole responsibility of the client. Please do not hesitate to contact me should you have any questions.

Very truly yours,

Jason Pringle
Principal

Accepted and Agreed to:

By: _____
Authorized Signatory

Title: _____

Date: _____