



February 14, 2012

General Services Administration
Heartland Region
Facilities Management Division
1500 East Bannister Rd (6PME)
Room 2101
Kansas City, MO 64131

Attn: Mr. Gary Adams
Phone: (816) 823-1704
E-mail: gary.adams@gsa.gov

Re: Proposal to Collect Soil and Debris Samples to Determine Asbestos Content in the Soil of the Crawlspace of Building 107
4300 Goodfellow Blvd., St. Louis, MO.
Terracon Project No: 02119080

Dear Mr. Adams:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to present the General Services Administration (GSA) with our task order proposal to conduct sampling activities at the above referenced site. We have set forth our understanding of the work and corresponding scope and fees. If we have misunderstood any aspect of the work, please let us know as soon as possible so we can evaluate our scope and make any necessary adjustments.

A. PROJECT INFORMATION

Asbestos-containing materials and debris was removed from the crawlspace of Building 107 at the Goodfellow Complex and based on limited available information asbestos contaminated soil might still be present. At the request of GSA, the proposed scope of work in this proposal covers developing a sampling scheme to direct the collection of soil and debris samples to determine the extent of possible soil contaminated with asbestos. Terracon understands that currently the building is occupied.

B. SCOPE OF SERVICES

In consultation with GSA representatives, Terracon proposes the following soil sampling scheme.

- **Sampling Area**

Divide the surface area of the crawlspace to be sampled into 25 square foot (sf²) grids.

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- **Inspectors**

Based on the sampling scheme described below, Terracon will mobilize a team of AHERA-accredited and State of Missouri certified asbestos building inspectors to perform the sampling.

- **Sample Quantity**

It is estimated that 392 soil samples will be collected. The number of debris samples is estimated to be approximately 25% of the number of soil samples or an additional 98 samples. Estimated total samples to be collected are 490. Samples collected will be sent to a GSA designated laboratory for Polarized Light Microscopy (PLM) analysis. Sample analysis cost will be paid by the GSA and is not part of this proposal.

- **Debris Sampling**

Conduct a visual inspection of each 25 sf² grid for the presence of suspect asbestos-containing debris and, if identified, collect one (1) sample of the suspect asbestos-containing debris. When loose soil is present and there is no visible surface debris, the soil will be delicately raked to an approximate one inch (1") depth to determine if suspect asbestos-containing debris is beneath the surface and, if identified, collect one (1) sample of the suspect asbestos-containing debris. Once debris is identified and sampled, additional raking will cease in the remaining 25 sf² grid. No more than one (1) debris sample will be collected for each 25 sf² grid.

- **Soil Sampling**

Collect five (5) surface soil samples from evenly distributed locations within each 25 sf² grid. The five (5) soil samples will be combined into one (1) sample container to represent a composite sample for the entire 25 sf² grid. Each sample container used will have graduated markings to ensure, as much as possible, that the same volume of soil is collected from each 25 sf² grid. The amount of soil to be collected from each distributed location will be approximately 25 cm³. Each of the five (5) 25 cm³ samples will be composited into one (1) 125 cm³ sample or approximately ½ cup in total. No more than one (1) composite soil sample will be collected from each 25 sf² grid.

- **Exposure Monitoring**

At a minimum two (2) Terracon employees will be fitted with personal air pumps to monitor airborne fiber exposure levels during the sample collection process. A 30 minute excursion and an eight (8)-hour TWA will be collect for each day the sampling activities are being performed.

- **Consultation and Reporting of Findings**

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Terracon will review preliminary results with GSA representatives to determine if additional, more exhaustive Transmission Electron Microscopy (TEM) analysis may be warranted to confirm results.

Terracon will prepare a draft and final report that includes the following:

- A description of sample collection methodology;
- A drawing showing the location of sampling results;
- Results of personal air sampling; and
- Laboratory analytical results.

Terracon will review final results with GSA representatives and, if sampling result warrant, discuss possible remediation strategies.

• **Conditions**

All sampling activities will be coordinated with the on-site GSA Building Manager.

C. COMPENSATION

Based on the scope of services presented above, our fees are as shown below.

Building 107, 4300 Goodfellow, St. Louis, MO

Sampling Task	Labor Rate	Labor Hours	Estimated Fee
Project Manager	\$92	60	\$5,520
Prof Eng. or Reg. Geo	\$85	90	\$7,650
CAD Operator	\$39	10	\$390
Remedial and Laboratory Services			\$950
Total			\$14,510

Interim invoices may be submitted and will reflect the actual units performed in accordance with our unit fees under Contract GS-10F-0256K. Itemized costs are for budgeting purposes and the actual fees may vary upward or downward. Should conditions arise that require significant changes or increase in the scope of work, we will contact you and proceed further only with your approval.

This task order proposal and cost estimate were based on the following assumptions:

- GSA will provide to Terracon, prior to mobilization, legal right of entry to each site (and other areas if required) to conduct the scope of services.

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- GSA will notify Terracon, prior to mobilization, of any restrictions, special site access requirements, or known potentially hazardous conditions at each site (e.g., hazardous materials or processes, specialized protective equipment requirements, unsound structural conditions, etc.)
- Work hours will be negotiated with GSA on-site building management.

If these assumptions or conditions are not accurate or change during the project, the stated fee is subject to change. Please contact us immediately if you are aware of any inaccuracies in these assumptions and conditions, so we may revise the proposal or fee.

The report will be prepared for the exclusive use and reliance of GSA. Reliance by any other party is prohibited without the written authorization of the client and Terracon.

Terracon's services will be performed in a manner consistent with generally accepted practices of the professional undertaken in similar studies in the same geographic area during the same period. Terracon makes no warranties, express or implied, regarding its services, findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These services will be performed in accordance with the scope of work agreed with you, our client, as set forth in this proposal.

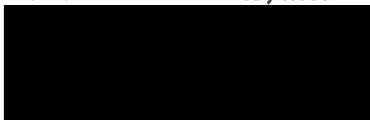
Findings, conclusions and recommendations resulting from these services will be based upon information derived from on-site activities and other services performed under this scope of work; such information is subject to change over time.

Project services may be initiated in accordance with Contract GS-10F-0256K between Terracon and the GSA. If you have any questions, please contact us.

Sincerely,

Terracon Consultants, Inc.

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Allen R. Bartels, MBA

Department Manager Asbestos Services

Eric J. Gorman, P.G.

Environmental Department Manager