



Housing Authority of the City of Pittsburgh

Contracting Officer
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February 17, 2022

Sub-Slab Vapor Testing for the Manchester Redevelopment 3 Quote Bid

ADDENDUM NO. 5

This addendum issued February 17, 2022 becomes in its entirety a part of the 3 Quote Bid as is fully set forth herein:

Item 1: Q: What are the constituents of concern (radon, methane, asbestos, volatile organic compounds)?
A: **Volatile Organic Compounds (VOCs), Polynuclear Aromatic Hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) 8 Metals, Lead, and Hexavalent Chromium. These constituents include, but are not limited to: arsenic, mercury, chloroform, benzene, tetrachloroethylene, and toluene.**

Item 2: Q: What is the data quality objective (DQO) for the samples? Vapor intrusion (VI) screening? Full Assessment of the VI pathway under State and EPA regulations?
A: **The DQO objective is designed to generate performance criteria for the collection of new data. Follow the EPA's guidance on this.**

In regard to the vapor intrusion (VI) screening, the intent is to conduct a screening evaluation as to whether or not the vapor intrusion pathway is complete – Does it pose an unacceptable risk to human health? A complete pathway means that humans are exposed to the vapors originating from the site. The site specific data will determine how complex the assessment is. If the pathway is incomplete – there is no risk, however incomplete must be supported by site-specific evidence to demonstrate that the nature and extent of vapor-forming chemical contamination in the subsurface has been well characterized and the types of vapor sources and the conditions of the vadose zone (unsaturated zone- extends from the top of the ground surface to the water table) and surrounding infrastructure do not present opportunities for un-attenuated or enhanced transport of vapors toward and into any building. The requirements for addressing the subsurface vapor intrusion are the relevant statutes and regulations (e.g. the Resource Conservation and Recovery Act or RCRA, Comprehensive Environmental Response, Compensation, and Liability Act or CERCLA, and the National Oil and Hazardous Substances Pollution Contingency Plan or NCP).

In regard to the full assessment of the VI pathway under State and EPA regulations, in general, the assessment will require an examination, summary, and interpretation of available toxicological

information and epidemiologic evaluations on any substance(s) to ascertain the “levels of significant human exposure” for the substance(s) and the associated acute, sub chronic, and chronic health effects. The HACP expects the successful Offeror to follow all Federal, State, and local requirements/guidelines.

Item 3: Q: What is the level of data validation?

A: **The level of data validation that is performed will be specific to this project. The project-specific planning documents should state sampling objectives and identify project needs that should be met during the implementation of the project. Any products generated during the implementation of the project should be measured against specific needs in the planning documents. When samples are collected for this project, the verified data and data verification records, including all field records generated from the sample collection activities, should be available for data validation. The soil-vapor samples should be collected in laboratory-supplied, vacuum-prepared SUMMA canisters (typical for this situation), and submitted under chain of custody to an EPA-certified laboratory for analysis. This Phase II ESA should be performed in general conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) “Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process”, E-1903-11.**

Item 4: Q: Are bidders asked to determine the presence of methylmercury and polynuclear aromatic hydrocarbons other than naphthalene as part of the vapor testing scope of work?

A: **Yes.**

Item 5: The quote due date, time remains unchanged at February 24, 2022 10:00 AM. Quotes must be submitted electronically via email to Samantha.Tirk@hacp.org or via fax at 412-456-5007 Attn: Samantha Tirk

END OF ADDENDUM NO. 5

Kim Detrick

Kim Detrick (Feb 17, 2022 15:26 EST)

Mr. Kim Detrick

Procurement Director/Chief Contracting Officer

Feb 17, 2022

Date