

## Request for Letters of Interest Consulting Engineering Design Services

### The Harrisburg Authority 2010 AWTF Improvements Project

April 2010

The Harrisburg Authority (THA) invites Consulting Engineering Firms or Teams to submit a Letter of Interest for the provision of Design Engineering Services for the 2010 Advanced Wastewater Treatment Facility Improvements Project (AWTF Project). The AWTF Project comprises the upgrade and rehabilitation of the existing THA Wastewater Treatment Plant for the installation of a Sidestream Treatment Process for Solids Handling Residuals Filtrate and the modification of the existing High Purity Oxygen Activated Sludge and Biological System for Ammonia Removal and Total Nitrogen Reduction. For complete details of the proposed AWTF Project, please review the Act 537 Sewage Facilities Planning Documents contained at the THA website (<http://www.hbgauthority.com/Act%20537%20Plan/Act%20537.html>).

A summary of the proposed improvements is as follows:

- Construction of a Sidestream Treatment Process for Nitrification/Denitrification of Solids Handling Residuals Filtrate. Facilities will utilize the proprietary Mixing and Mass Transfer Technologies, LLC (M2T) process that has been procured by THA. The proposed treatment process is currently undergoing pilot testing at the THA AWTF and these pilot testing facilities are anticipated to be operating through Fall 2010.
- Modification to the existing High Purity Oxygen Activated Sludge (HPOAS) System and Biological Process to achieve Nitrification and partial Denitrification for reduction of THA's Total Nitrogen discharge.
- Hydraulic Modifications of the existing Chlorine Contact Tank to increase Contact Time during High Flow Events.
- Rehabilitation and Expansion of the Existing Electrical Switchgear and Site Distribution.
- Rehabilitation and Expansion of Site Supervisory Control and Data Acquisition Systems and Installation of enhanced Security Systems.
- Related Site Improvements and Site Piping to facilitate Upgrades.

Letters of Interest from prospective Consulting Engineering Firms or Teams shall be no longer than 30 pages and consist of the following items:

1. Brief Introduction to Consulting Engineering Firm or Team (Maximum of four pages) – Provide a brief introduction to Consulting Engineering Firm, including any team partners or subconsultants. Geographic proximity of firms or team members to THA and Disadvantaged or Minority Business status of firms or team members should be highlighted.
2. Relevant Experience in Similar Projects (Maximum of fifteen pages) – Provide summary of experience for similarly-sized projects (20 MGD to 40 MGD), highlighting relevant experience in Sidestream Treatment of Solids

- Handling Residuals Filtrate and High Purity Oxygen Activated Sludge System Design. Particular emphasis on Nutrient Removal Projects and Upgrades of existing High Purity Oxygen Facilities for Nitrification is encouraged.
3. Project Personnel and Organization Chart (Maximum of ten pages) – Provide a summary of the Project Personnel and an Organization Chart detailing prospective project roles and responsibilities. Complete Resumes of Project Team members are discouraged, although summaries of pertinent experience or qualifications are requested.
  4. Project References (Maximum of one page) – Provide a minimum of three (3) references for similar sized projects (20 MGD to 40 MGD), including name, contact information, and pertinent project details. Reference Projects shall be for municipal wastewater treatment and the projects shall have proceeded to construction.

Letters of Interest from prospective Consulting Engineering Firms or Teams are due to The Harrisburg Authority Offices (212 Locust Street, Suite 302, Harrisburg, PA 17101) by 2:00 PM, May 21, 2010. A minimum of ten (10) copies of the Letter of Interest shall be submitted and the package containing the Letters of Interest shall be denoted as “Letter of Interest – 2010 AWTF Improvements Project”

An on-site Tour and Question and Answer Session will be held at the THA Advanced Wastewater Treatment Facility on April 30, 2010 from 9:00AM – 12:00PM. No separate site visits will be conducted during the Letter of Interest Solicitation.

Upon receipt of Letters of Interest from prospective Consulting Engineering Firms or Teams, THA will evaluate the qualifications and experience of respondents. Upon completion of this evaluation, THA will solicit a Detailed Scope of Services and Pricing Proposal from select respondents with a due date of July 7, 2010. Interviews of select respondents will be held the week of August 2, 2010 and a firm selection is anticipated by late August 2010. During the Detailed Scope of Services and Pricing Proposal Development, select respondents will have the opportunity to propose alternative implementation strategies or modifications to the AWTF Project.

THA encourages local participation and teaming efforts for the completion of the Consulting Engineering services. However, a firm may only submit, or participate as a team member of, one (1) Letter of Interest for the proposed AWTF Project to ensure a competitive environment for the solicitation of engineering services. Additionally, THA will require Contractual Language to ensure the continuity of Key Project Team Personnel throughout the Project Duration.

THA reserves the right to select a Consulting Engineering Firm or Team solely on the basis of THA’s determination of the adequacy, qualifications and pricing that best fulfills the requirements and needs of THA’s Project and Customers.

Questions on the Project and/or Solicitation Efforts can be addressed to THA’s Program Management Consultant at:

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