

**DESCRIPTION OF INTENDED  
SINGLE SOURCE PURCHASE  
(PUR 7776)**

AGENCY: Northwest Florida Water Management District

TITLE: Lake Munson Harmful Algae Blooms and Nutrient Removal Project

Short description of the commodity or service desired: The Lake Munson HAB Mitigation and Nutrient Removal project is a research program designed to confirm a path forward that will help improve the water quality of Lake Munson (an impaired water body), with expected water quality improvements to the downstream receiving waters of Munson Slough and Ames Sink.

CONTACT

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Internal tracking number, if any: 15051

**Date posted: 05/12/2020    Last day for receipt of information: 05/22/2020**

This description of commodities or contractual services intended for purchase from a single source is posted in accordance with Sections 120.57(3) and 287.057(3), Florida Statutes, and will remain posted for a period of at least 7 business days.

Commodity or Contractual Service Required (commodity or United National Standard Products and Services Code (UNSPSC), manufacturer, model, and description, as appropriate):

70131706 Watershed management

70161708 Conservation and management of freshwater ponds and lakes and rivers and streams

70171600 Water quality management services

77121702 Surface water pollution rehabilitation services

Quantity or Term (as appropriate):

18 Months

Requestor (division, bureau, office, individual, as appropriate):

Resource Management Division

Performance and/or Design Requirements (e.g. intended use, function or application, compatibility, requirements; reference to policy, rule, statute or other act of the Legislature, etc., as appropriate):

The Contractor will install a 700 gallon per minute (gpm) Dissolved Air Flotation (DAF) algae harvesting system for the Lake Munson project. The design objective of the project is to collect information from the operating treatment system as well as the established Lake Munson surface water monitoring network. This information will then be evaluated to identify optimal remedial scenario(s) to help meet restoration goals for the lake. The system will be operated for up to 12

months and includes approximately four to six months of upfront Coordination meetings, site preparation activities, permitting and equipment design, and one month of post-operational activities such as equipment removal, site restoration and submittal of the Final Report.

Intended Single Source:

AECOM Technical Services, Inc.

Estimated Dollar Amount:

Up to \$1,750,000.00

Justification for single source acquisition (what is necessary and unique about the product, service or source; steps taken to confirm unavailability of competition, as appropriate):

The NFWFMD recognizes AECOM as the sole source provider of this Dissolved Air Flotation (DAF) technology. AECOM has led extensive and comprehensive Harmful Algae Bloom (HAB) research with scientists across the globe and has made significant discoveries that have been proven effective in mitigating and reducing the adverse impacts of HABs. Their discoveries include specific modifications to DAF technology to allow algae cells to be removed as intact cells thus preventing the rupture of the cell walls and release of intracellular materials and associated toxins. Their patent pending proprietary system, uses an innovative Hypernucleation Flotation System (HFS) that has proven effective in numerous pilot tests in removing intact cellular algal biomass, suspended solids and associated nutrients (phosphorus and nitrogen) and, if present, associated cyanotoxins such as microcystin. Their HFS technology physically separates and removes intact algae cells from the water column, providing a “No Harm Solution” to mitigating HABs and removing the key nutrients that fuel algae growth.

Approved By (names & titles, as appropriate, e.g., requestor, requestor management, information systems, budget, purchasing):

Carlos Herd, Director, Division of Resource Management

Wendy Dugan, Director, Division of Administration

Lyle Seigler, Chief of Staff

Brett Cyphers, Executive Director

Prospective vendors are requested to provide information regarding their ability to supply the commodities or contractual services described. If it is determined in writing by the agency, after reviewing any information received from prospective vendors, that the commodities or contractual services are available only from a single source, the agency shall: provide notice of its intended decision to enter a single-source purchase contract in the manner specified in Section 120.57(3), F.S.