



Early Procurement of Lime Saturator Solids Contact Units
For the Central Water Integration Pipeline Project

SAWS Job No. 18-8616
Solicitation No. 18-18098

RELEASED FOR BID
JULY 2018

DIVISIONS 1, 5, 11, 13



Tetra Tech, Inc.
Texas Registered Engineering Firm No. 3924
700 North Saint Mary's Street, Suite 300
San Antonio, Texas 78205

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: **D. Anthony Rubin**
BID NO.: **18-18098**

Date Issued: **August 3, 2018**

FORMAL INVITATION FOR BIDS
EARLY PROCUREMENT OF LIME SATURATOR SOLIDS CONTACT UNITS
FOR THE CENTRAL WATER INTEGRATION PIPELINE PROJECT
ADDENDUM 2

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5th Floor, San Antonio, TX 78212 will be received until **3:00 p.m. August 10, 2018** and then publicly opened and read aloud for furnishing materials or services as described herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

This invitation includes the following:

Invitation for Bids	Price Schedule
Terms and Conditions of Invitation for Bids	Security Bond
Specifications and General Requirements	Technical Specifications and Drawings

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: _____ Firm Name: _____
(Please Print or Type)

Address: _____

Signature of Person Authorized to Sign Bid _____ City, State, Zip Code: _____

Email Address: _____ Telephone No.: _____

Fax No.: _____

Payment Terms are Net 30.

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

Non-minority Hispanic African-American Other Minority (specify) _____

Female Owned Handicapped Owned Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: Partnership Corporation Sole Proprietorship Other (specify) _____

Tax Identification Number: _____

To report suspected ethics violations impacting the San Antonio Water System, please call 1-800-687-1918.

This **Addendum 2** is issued to answer the following questions and issue changes to the bid sent to you on July 16, 2018. All other terms and conditions of the original bid document remain unchanged.

QUESTIONS AND CLARIFICATIONS

- Q1. Is the connecting walkway between the two saturators to be provided by the manufacturer or the contractor? (answer in pre-bid was the contractor)
- A1. The equipment supplier is only responsible for furnishing the bridge and walkway above the treatment unit. The walkway between the two solids contact units will be supplied by the general contractor.
- Q2. The submittal schedule is rather aggressive. [Supplier] will provide preliminary GA drawings with the bid, and will supply updated GA drawings ready for approval by August 24 (Level 1 submittals). However, items such as structural calculations, shop drawings, equipment cut sheets, bill of materials, and PE stamps cannot be completed without approval of GA drawings. We understand the intent of the aggressive schedule, but we request that Level 1 submittals only require GA drawings, installation instructions, and coating data sheets to aid in accurate contractor bids. Everything else would be supplied by the Level 2 submittal date of September 28th.
- A2. Items 3. and 5. of the Level 1 submittal requirements can be deferred to Level 2 provided that the final design and certification by the structural engineer will not cause a significant change in loadings to the concrete foundation, the embed in the foundation or significant changes to the field welding requirements. The Lime Saturator Equipment Supplier would be expected to reimburse the contractor if their scope of work was significantly changed from the Level 1 documents provided to assist with preparation of their bid.
- Q3. Paragraph 2.14 of Section 11220 describes a standard panel with push button operators, while Paragraph 1.03.E.15.c describes a PLC and touch screen interface as part of submittals; please verify what type of panel is required
- A3. The supplier is not required to supply a PLC based control system for the lime saturators. Under 1.03, E. 15. c. the Supplier is responsible for coordination with the plant system control supplier and system integrator so that all required remote monitoring information and remote control functions are provided in the Lime Saturator Equipment Supplier's panel to interface with the plant control system. The Lime Saturator Equipment Supplier shall be responsible for any programming of the VFD for the mixer drive.

REVISIONS TO STANDARD REQUIREMENTS

1. Revise the second sentence of Standard Requirements, 1. Bidder Qualifications to read as follows:

The Lime Saturator Solids Contact Units Supplier (hereinafter referred to as Supplier) shall have experience, *either directly or as the manufacturer's representative*, in the design and manufacturing of similar equipment for at least ten (10) years.

REVISIONS TO TECHNICAL SPECIFICATIONS AND DRAWINGS

Also, the following changes should be made to Section 11220:

1. Revise the first sentence of Section 11220, 2.04 J. as follows:

Delete the following: "sludge concentrator sumps."

2. Revise Section 11220, 2.14 B. 5. as follows:

Add items m. Over Torque Alarm and n. Impending High Torque Alarm.

3. Section 11220, 2.14 B. and C. are clarified as follows:

The water flushing valves and water spray down valve described in the control description will be provided by the general contractor.

4. Revise Section 11220, 2.11 as follows:

Add to the end of the paragraph, “The rake arm will be utilized during construction for sweeping in the grout to slope the floor of the bottom slab. The Supplier shall provide temporary squeegees for sweeping in of the grout and coordinate with the contractor to ensure that the rake and drive mechanism are properly installed and operational to perform this operation. “