



AGENDA

**MANDATORY PRE-BID MEETING
DOS RIOS WRC SLUDGE BLEND / THICKENING COMPLEX AUTOMATION PROJECT
SAWS JOB NO. 13-6504
SAWS SOLICITATION NO. B-13-079-MR**

Date: December 9, 2013

Location: Dos Rios Water Recycling Center, O&M Building Training Room
3495 Valley Road, San Antonio, Texas 78221

1. INTRODUCTIONS

2. PROJECT OVERVIEW

▪ Summary of Work

Addition of variable frequency drives on the StrainPress feed pumps at the Sludge Blend Complex; automation of the StrainPress feed pumps through control logic changes in the existing PLC; coating of existing pumps, piping, valves, fittings, and appurtenances at the Blend Complex; addition of modulating motor operated valves on each of four (4) Gravity Belt Thickener feed lines; addition of a Master PLC for the Thickening Complex and control logic changes to the existing GBT PLCs; new field instruments; and other control system upgrades and miscellaneous work as required per the Contract Documents.

▪ Time of Completion – 180 days (based on minimal lead time for VFDs and motor operated plug valves)

▪ Liquidated Damages - \$500/day per the Supplemental Conditions

▪ Warranty Provisions – Equipment (2 years from final acceptance); Coatings (5 years)

3. SEQUENCE OF CONSTRUCTION – Section 01015

The construction of this project will occur while the Dos Rios Water Recycling Center is operating. The operation of this facility is necessary to meet effluent permit limits, which are of higher priority than construction activities. Schedules of connections and modifications to existing facilities shall be submitted to the OWNER for approval, and all such items shall be coordinated throughout the entire construction period.

A. Sludge Blend Complex

1. Any required shut-downs of the Sludge Blend facility shall be limited to four (4) hours, which includes the duration for the flow meter installation and uploading / testing the program in the PLC.

2. Sludge pumps can be taken out of service two (2) at a time for installation of variable frequency drives, pressure switches, painting, and related wiring and other work associated with the pumps.

B. Thickening Complex

1. Gravity belt thickeners (GBTs) can be taken out of service one (1) at a time for installation of the modulating plug valves. Modifications to the PLC program for each GBT shall be coordinated with the valve installation so multiple shut-downs are not required for each GBT.



4. CONTRACTOR'S SUBMITTALS – Section 01300
 - Submit electronically to SAWS PM (Alissa Lockett) and Grubb (Christina Gaydos / Paul Graef).
 - Schedule of Values, Project Schedule, Schedule of Submittals, and Safety Plan must be submitted and approved before first payment application.
 - It will be our goal to complete reviews within 14 to 21 calendar days.
5. CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS – Section 01500
 - No trailer is required. Plant Staff will provide direction on where a CONEX box could be placed near the Sludge Blend or Thickening complex. There will be another project going on in the vicinity of the Thickening complex that will include demolition of the elevated storage tank, so that area is not available.
 - A project sign is required and would go at the entrance of the plant.
 - Use of potable water must be accounted for through a meter; Contractor shall provide their own sanitary facilities.
 - Contractor will be responsible for obtaining SAWS Security badges as required by the specifications.
6. PROGRAMMING OF PLCs AND DCS – Section 17300
 - Project consists of programming changes to existing PLCs (Sludge Blend and GBTs) and programming of the new PLC at the Thickening Complex; PLC programming shall be done by one of the approved Process Control Systems Integrators.
 - Project also consists of some programming in the plant's Distributed Control System (DCS), which must be done by Emerson (only approved Application Services Provider)
7. QUESTIONS
8. CLOSING COMMENTS

Nothing discussed during this pre-bid conference changes anything in the Bidding/Contract documents. Bidder is to strictly bid the written documents. Any changes to the Contract documents will be issued by written addendum. The meeting minutes will be for information purposes only.

 - Technical questions regarding this project will be accepted by Marc Ripley, in writing via email to Marc.Ripley@saws.org or by fax to: (210) 233-4609 until 4:00 PM (CST) on December 10, 2013. Answers to the questions will be posted to the web site by 4:00 PM (CST) on December 16, 2013 as a separate document or included as part of an addendum.
 - Seal bids will be received until 2:00 PM, December 20, 2013 @ the Contract Administration Division, 2800 U.S. Hwy 281 North, Customer Center Building, Suite 171, San Antonio, Texas 78212. Each bid must be accompanied by a cashier's check, certified check, or bid bond in an amount not less than five percent of the total bid price.
 - Bids will be publicly opened and read aloud by the SAWS Contract Administration Division in Conference Room 169, SAWS Customer Center Building.
9. SITE VISIT (Mandatory)