

2013 Leon Creek Water Recycling Center (WRC) Rehabilitation and Process Improvements

Solicitation No.: CO-00003

SAWS Job No.: 13-6505

Addendum No. 6

August 24, 2015

To Respondent of Record:

This addendum, applicable to the project referenced above, is an amendment to the bidding documents and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number and issuance date in the space provided in the bid proposal.

PART 1 – BIDDING AND CONTRACT DOCUMENTS

A. Revisions to SIR-1 “SUPPLEMENTARY INSTRUCTIONS TO RESPONDENTS”

1. Page 2, Paragraph B.2.II.c.iii.:

REMOVE the following:

“The Application System Provide (ASP) shall be capable of installing, connecting, configuring, customizing, debugging and placing in operation all HMI and PLC software specified in the contract documents. The ASP for the proposed project shall be “Emerson Process Management.”

And REPLACE with:

“The Application System Provider (ASP) shall be capable of installing, connecting, configuring, customizing, debugging and placing in operation all HMI and PLC software specified in the contract documents.”

PART 2 – TECHNICAL SPECIFICATIONS

Revisions to 40 80 00 “COMMISSIONING OF PROCESS SYSTEMS”

1. Page 1, Paragraph 1.01 B:

REMOVE the following:

“Contractor shall be responsible to coordinate labor and materials required to install and test equipment supplied by Aeration Basin blower system and chemical monitoring and feed improvements identified under this contract with the Process Control System Integrators (PCSI). The PCSI shall be responsible to coordinate all the work procured through the PCSI and the Contractor. Work is identified in:”

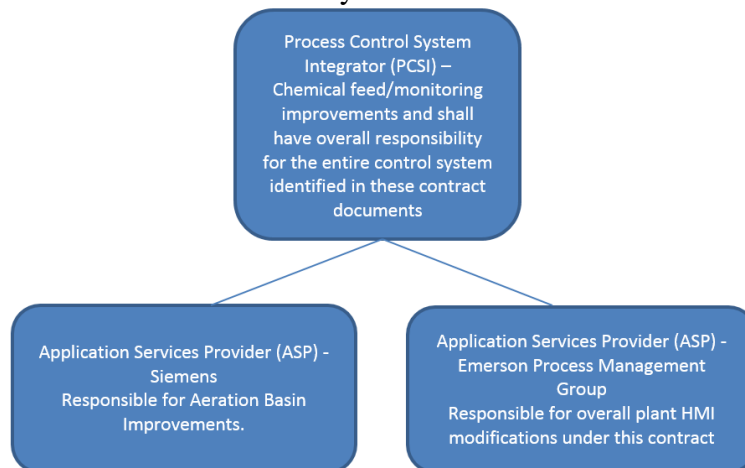
And REPLACE with:

“Contractor shall be responsible to coordinate labor and materials required to install and test furnished equipment by Process Control and System Integrator (PCSI) and Application System Providers (ASPs) identified under this contract. Work is identified in:”

2. Page 1, Paragraph 1.01: Add the following:

C. Contractor shall furnish all labor, materials and services required to install and test equipment supplied by PCSI and ASPs (Aeration Basin blower system and chemical monitoring and feed improvements) identified under this contract. Contractor shall complete this work utilizing a PCSI and two separate ASPs. The contractual organizational structure shall be as illustrated and described below:

1. PCSI shall contract directly with the Contractor and shall be responsible for programming the chemical feed/monitoring system and shall have overall responsibility for the entire control system identified in these contract documents.
2. PCSI shall procure the services of an ASP, which shall be Siemens, for the Aeration Basin Improvements.
 - a. Siemens shall be responsible for commissioning the Aeration Basin Improvements and commissioning communications between the Aeration Basin integration and the ASP providing and developing the Human Machine Interface (HMI) software system, Emerson.
3. PCSI shall procure the services of an ASP, which shall be Emerson, for implementation of HMI modifications for both the Aeration Basin Improvements and the chemical feed/monitoring system.
 - a. ASP, Emerson, shall be responsible for commissioning modifications to the HMI and commissioning communications between the PCSI chemical feed/monitoring system and Siemens Aeration Basin control system.



Contractual Organizational Structure

C. Revisions to 40 90 00 “INSTRUMENTATION AND CONTROL FOR PROCESS SYSTEMS”

1. Page 1, Paragraph 1.01 A: REMOVE the paragraph in its entirety and replace with:

“The Contractor shall procure the service of a Process Control and Systems Integrator (PCSI) as a first-tier subcontractor who shall be responsible to furnish all materials, equipment, labor and services required to achieve a fully integrated and operational Process Control System (PCS) as specified herein, in other specifications sections and detailed in the Contract Documents. PCSI shall coordinate all materials, equipment, labor and services required by the Contractor to install equipment supplied by the PCSI and PCSI’s subs.”

2. Page 1, Paragraph 1.01 B: REMOVE the paragraph in its entirety and replace with:

“The PCSI shall procure the services of an Application Services Provider (ASP) for the Human Machine Interface (HMI) development work specified in Div. 40. The ASP shall be Emerson Process Management for the plant HMI.”

3. Page 1, Paragraph 1.01 C: REMOVE the paragraph in its entirety and replace with:

“ASP, Emerson, items specifically excluded from the PCSI’s scope of work, but included within the ASP’s scope of work, include the following:

1. HMI graphics development, HMI software configuration, database development, report development, historical database development, related software applications, and training activities associated with the configured HMI system.”

4. Page 1, Paragraph 1.01 D: REMOVE the paragraph in its entirety and replace with:

“PCSI shall perform all Programmable Logic Controller (PLC) programming, testing of PLC logic, and startup and training activities for the chemical feeding/monitoring. The PCSI shall procure the services of an ASP for the Aeration Basin PCS specified in 40 90 02 Supervisory Control and Data Acquisition. The ASP shall be Siemens. The ASP for the Aeration Basin PCS (Siemens) shall be responsible for all the PLC programming, testing of PLC logic, and startup and training activities for their system. The PCSI shall be responsible for coordination of both ASPs for a complete system. Coordination includes providing mapping of data between systems.”

5. Page 2, Paragraph 1.01 I:

REMOVE the following:

“The PCSI shall be responsible to coordinate labor and materials required to install and test equipment supplied by Aeration Basin blower system and the Chemical monitoring and feed identified under this contract.”

And REPLACE with:

“The PCSI shall be responsible to coordinate labor and materials, with the Contractor, required to install and test equipment supplied by Aeration Basin blower system and the chemical monitoring and feed identified under this contract.”

6. Page 7, Paragraph 2.05 A: REMOVE the paragraph in its entirety and replace with:

“As a part of this Contract, the PCSI shall coordinate both ASPs, and with all the contractor’s sub-systems suppliers and manufacturers, during bidding, construction, testing, installation and start-up phases of the project. The coordination is to assure that the instruments and sub-systems are in compliance with the Contract Documents and that the necessary tie-ins and interface signals with the ASP systems are provided as specified or required.”

7. Page 7, Paragraph 2.05 D: REMOVE the paragraph in its entirety and replace with:

“Follow-Up Services: After the acceptance of the system, the PCSI and ASPs shall make four separate trips to the project site for calibration and adjustment of all the instruments and devices, including the In-Plant SCADA system. The first trip shall be 3 months after final acceptance of the complete system, and thereafter every 3 months for a total of four trips. These trips are in addition to all warranty items, and shall be at no extra cost to the Owner. The PCSI and ASPs shall provide the services of a trained technician for each trip with appropriate calibration and testing instruments. All defects shall be immediately remedied. The trips shall be coordinated with the Owner.”

D. Revisions to 40 90 01 “INSTRUMENTATION”

1. Page 1, Paragraph 1.01 B:

REMOVE the following:

“Contractor shall be responsible to coordinate labor and materials required to install and test equipment supplied by Aeration Basin blower system identified under this contract. Work is identified:”

And REPLACE with:

“Contractor shall coordinate labor and materials required to install furnished equipment by PCSI and ASPs identified under this contract. Work is identified in:”

2. Page 1, Paragraph 1.01 C: REMOVE the paragraph in its entirety and REPLACE with the following:

“The Contractor’s attention is directed to the fact that instrumentation is an integrated system and will be furnished by more than one vendor or system integrator. PCSI shall be responsible to verify all instrumentation equipment and appurtenances, regardless of supplier, are setup and calibrated for satisfactory operation of the entire system.”

E. Revisions to 40 90 02 “SUPERVISORY CONTROL AND DATA ACQUISITION”

1. Page 1, Paragraph 1.01.B: REMOVE the paragraph in its entirety and REPLACE with the following:

“The Process Control and System Integrator (PCSI) shall coordinate with all the suppliers and sub-system suppliers, including ASPs, to provide all hardware, software and configuration and integration associated with the PLC based Instrumentation and Process Control System (PCS). PCSI shall coordinate all materials, equipment, labor and services required by the Contractor to install equipment supplied by the PCSI and PCSI’s subs.”

2. Page 1, Paragraph 1.01.F: REMOVE the paragraph in its entirety and REPLACE with the following:

“The Aeration Basin PLC shall be modified by Siemens (an ASP), for automation of the aeration basin blowers and drop leg air flow control based on dissolved oxygen levels in each of the three zones of 15 aeration basins and other components as identified in this specification and on the drawings. Siemens will furnish HMI for the Aeration Basin PCS for their stand-alone system. However, the HMI work done by Siemens shall also be coordinated with the work performed by Emerson Process Management Group (an ASP) to be duplicated on the Leon Creek DCS system.”

3. Page 2, Paragraph 1.01.G: REMOVE the following:

“Contractor shall be responsible to coordinate labor and materials required to install and test equipment supplied by Aeration Basin blower system identified under this contract. Work is identified in:”

And REPLACE with:

“Contractor shall be responsible to coordinate labor and materials required to install and test furnished equipment by the PCSI and both ASPs identified under this contract. Work is identified in:”

4. Page 10, Paragraph 2.05 7: Add the following:

“7. Media converters shall be Ultra Electronics MX Series Multiplexers and shall include Ultra Electronics power supply.

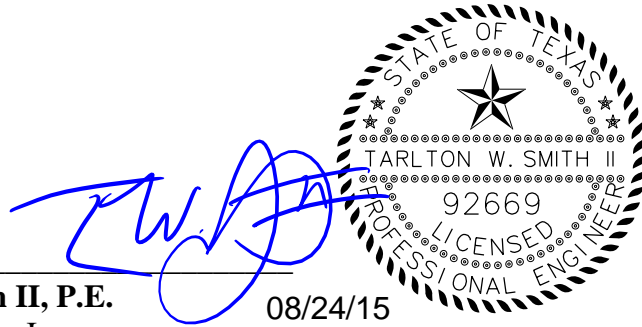
5. Page 28, Paragraph 3.08.D: REMOVE the paragraph in its entirety and REPLACE with the following:

“During this test, the PCSI and both ASPs shall have startup personnel present. Personnel for this test shall have an intimate knowledge of the hardware and software of the system and shall also be familiar with the overall plant process. The Suppliers shall be on-site a minimum of 8 hours a day and be on call for the rest of the days, during the 30-Day Acceptance Test.”

The remainder of the bid documents remain unchanged.

This addendum consists of six (6) pages.

ALL RESPONDENTS SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 6 IN THE PRICE PROPOSAL FORM AND BY HIS/HER SIGNATURE AFFIXED HERETO AND TO FILE SAME AS AN ATTACHMENT TO HIS/HER PROPOSAL. PRICE PROPOSAL FORMS SUBMITTED WITHOUT THIS ACKNOWLEDGEMENT WILL BE CONSIDERED INFORMAL.



08/24/15

Tarlton W. Smith II, P.E.
Freese and Nichols, Inc.

FREESE AND NICHOLS, INC.
TEXAS REGISTERED
ENGINEERING FIRM
F-2144

ACKNOWLEDGEMENT BY RESPONDENT

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF THIS ADDENDUM NO. 6 AND THE PROPOSAL SUBMITTED HERewith ARE IN ACCORDANCE WITH THE INFORMATION AND STIPULATION SET FORTH.

Signature of Respondent

Date

Appended hereto and part of Addendum No. 6 is:

1. NONE

END OF ADDENDUM NO. 6