

STATEMENT OF WORK

I. INTRODUCTION

The West Palm Beach VA Medical Center has a requirement to procure and install custom-engineered water conditioning equipment, requiring no consumables (air, electricity, gas) -- in an effort to mitigate and resolve critical water challenges at the facility. Water conditioning equipment shall be installed at Department of Veterans Affairs Medical Center, 7305 N. Military Trail, West Palm Beach, FL, 33410

II. REQUIREMENTS

NOTE: At a minimum, the installed water conditioning equipment shall:

- Increase the Oxidation Reduction Potential (ORP) to sustain a minimum level of 700mV.
 - Mitigate hard water scaling and reduce existing scale.
 - Mitigate existing biofilm and deter future formation.
 - Mitigate microbial growth and condition water.
 - Increase efficacy of existing oxidizers and sanitizers in the water.
 - Lower surface tension.
 - Increase water solubility.
- a. The contractor shall furnish and install 31 custom-engineered water conditioning systems in the areas specified on the list of equipment and flow diagrams.
 - b. The contractor shall procure and install a two-stage: 5 micron + 0.2 micron building water filter assembly to replace existing 0.45 micron filter assembly in the Fisher House.
 - c. The contractor shall procure and install 20 non-refrigerated drinking fountains brand name or equal to the Oasis Easily Pure II. The salient characteristics for the drinking fountains are as follows:
 - i. Must have a bottle filling station
 - ii. Be NSF/ANSI 53 certification
 - iii. Anti-microbial features
 - iv. Energy-Efficient
 - v. Easy installation
 - vi. Graphic display to show the bottle count
 - d. The contractor shall install 30 non-refrigerated Elkay EZH2O drinking fountains furnished by VAMC West Palm Beach.

III. EQUIPMENT INSTALLATION:

- a. Contractor is to be responsible for doing the following in preparation for the installation and commissioning of the water conditioning systems:

- i. Contractor will coordinate installation with Contracting Officer Representative (COR) and Facilities Management Engineering Shops Install plumbing hot taps and or connection points as identified on the list of equipment and flow diagrams.
 - ii. Install misc., hardware, fittings, ball valves and piping runs as necessary to support installation of items identified on the list of equipment and flow diagrams.
 - iii. Responsible for obtaining installation permits from FDEP/Health Department, as required.
 - iv. Unpack all the systems and remove all packaging from site for proper disposal/recycle.
 - v. The startup and commissioning of the equipment will be managed by Contractor to ensure all components are operable and functioning correctly.
- b. Contractor is to be responsible for doing the following in preparation for the installation and commissioning of the drinking fountains:
 - i. Remove and properly dispose of existing, non-operational drinking fountains to include recovery of refrigerant and oil from old fountains IAW EPA, Florida, and local regulations.
 - ii. Existing drinking fountains have been out of service for an extended period of time, and as such the water supply lines will require extensive flushing prior to installation of new drinking fountains.
 - 1. Water supply lines shall be flushed until water runs free of contaminants and Total Chlorine is at a minimum of 0.5PPM, per vendor supplied test strips. Results shall be provided to the Plumbing Shop Supervisor and any problems/issues addressed as needed.
 - a. A minimum flush time of 30 minutes is required.

IV. COMMISSIONING/START-UP:

- a. Commissioning/start-up of the system shall include qualified manufacturers specialist to be on-site for making final system connections, system calibration, system testing, operator training, commissioning, and start up.

V. DELIVERY

- a. Delivery and installation shall be coordinated with the COR/Plumbing Shop Supervisor, room BC-242C, telephone 561-422-6655.

VI. PROGRESS AND COMPLIANCE

- a. Contractor shall perform work on this requirement only to the extent specified. No additional work to be performed without the written approval of the Contracting Officer.
- b. Contractor shall provide progress report(s), for any/all work performed. These progress report(s) shall be provided to the Contracting Officer Representative (COR) in a timely manner.

- c. All payments shall be made in arrears. Upon receipt of Contractor's invoices, the COR will certify invoices through referenced service tickets, assuring that all services were performed in accordance with contract terms.

VII. ADDITIONAL REQUIREMENTS:

- a. Selected contractor must have documented experience and technical expertise with water conditioning systems.
- b. All work shall be in accordance with Occupational Safety and Health Administration (OSHA), VA standards, and other related codes.
- c. All shut downs shall be coordinated with COR. Shut down might occur at hours outside of traditional 1st shift, on Holidays, or on weekends. Include such implications in cost proposal.
- d. Workers are subject to all the rules of the Medical center and expected to use personal protective equipment when necessary.
- e. Contractor tools and equipment shall be continuously under direct line of sight supervision of the contractor. NO tools / equipment can be left at the individual work sites overnight.
- f. Contractor shall clean-up work sites daily. No debris can be left at work sites.
- g. Hot Work/Burn Permit is required within 2 days prior to the commencement of installation which will be issued through the VA's COR.
- h. Contractor performing work shall provide all necessary Florida State license, certifications, permits, and other related documentation from a nationally recognized certification program dedicated to drinking water regulations for domestic water systems. Contractor shall submit documentation prior to the commencement of work.