

US DEPARTMENT OF VETERANS AFFAIRS

VA HEALTH CARE SYSTEM (VAPAHCS)

640-17-1-5051-0010

STATEMENT OF WORK R.2 8-22-16

***Changes indicated in red font**

Water treatment for cooling towers, heating hot water piping, chill water loop piping, and Legionella testing for cooling towers, all campuses, VAPAHCS:

PURPOSE: It is necessary to provide chemical water treatment to HVAC cooling towers, HVAC piping loops for heating and cooling, and to provide Legionella testing for Cooling Towers to prevent corrosion of piping systems and to protect patients, staff, and visitors from the possibility of Legionella bacterial infections while on campus at VA Palo Alto Health Care System locations.

Scope of work:

- A) Contractor will provide all tools, material, chemicals, labor, equipment, and transportation to perform the following:
 - 1) Weekly and monthly service to all cooling towers, heating hot water loops, chilled water loops, process loops at all three divisions of VAPAHCS including the satellite clinic at Monterey.
- B) **Palo Alto Division:**
 - 1) Bldg. 100 cooling towers and Heating Hot Water, Chill Water , and Process water loops
 - 2) Bldg. 5 heating hot water and chilled water loops
 - 3) Bldg. 6 heating hot water and chilled water loops
 - 4) Bldg. 7 heating hot water and chilled water loops
 - 5) Bldg. 54 heating hot water and chilled water loops
 - 6) Bldg. 51 heating hot water and chilled water loops
 - 7) Bldg. 54 heating hot water and chilled water loops
 - 8) Bldg. 102 heating hot water and chilled water loops
 - 9) **Bldg. 105 heating hot water loops**
 - 10) Modular Buildings ME-6, and ME-1 through 4 heating hot water and chilled water loops
 - 11) Bldg. 520 heating hot water loops

- 12) Bldg. 500 heating hot water and chilled water loops
- 13) Monterey clinic heating hot water loop
- 14) Bldg. 100 Cooling Tower legionella testing

C) Menlo Park Division:

- 1) Bldg. 331 Cooling tower treatment and bacteriological testing
- 2) Bldg. 331 heating hot water and chilled water loops
- 3) Bldg. 334 heating hot water and chilled water loops
- 4) Bldg. 334 cooling tower treatment and bacteriological testing
- 5) Bldg. 347 heating hot water and chilled water loops
- 6) Bldg. 348 heating hot water loops
- 7) Bldg. 349 heating hot water loops
- 8) Bldg. 350 heating hot water loops
- 9) Bldg. 351 heating hot water loops
- 10) Bldg. 352 heating hot water loops

D) Livermore Division:

- 1) 3 each cooling towers Bldg. 62
- 2) Bldg. 62 heating hot water and chilled water loops
- 3) Bldg. 88 heating hot water and chilled water loops
- 4) Bldg. 90 cooling tower treatment and bacteriological testing
- 5) Bldg. 90 heating hot water and chilled water piping

- E) Weekly bacterial testing of all cooling towers will be performed at Palo Alto, Livermore, and Menlo Park Divisions. **Bacterial Testing will be Environmental in nature, recording colonies present per CFU. Action levels will be per accepted Industry Standards for cooling towers.**
- F) Monthly legionella testing will be performed at all cooling towers at Palo Alto, Livermore, and Menlo Park Divisions.
- G) All existing equipment for water treatment at the VA owned cooling towers is functional at present and can be used by Contractor to maintain proper chemical levels and treatment of cooling tower water.
- H) Remote monitoring is an option for the Contractor, but any additional equipment will be provided at Contractor expense.
- I) The VA would prefer weekly visits and hands-on observations of water quality and equipment.
- J) **Monthly testing will be done on each individual building loop for Heating Hot Water and Chilled water systems. Chemical levels will be adjusted appropriately to prevent corrosion in system piping.**
- K) Testing results will be provided to individual HVAC supervisors at each division and will be provided to Raul Cruz (Raul.Cruz@va.gov), Compliance Officer, at Palo Alto Division

for the documentation of results per Joint Commission and relevant Federal, State, and County local safety standards.

- L) Contractor personnel must obtain temporary I.D. badges from Police Service at each campus before beginning work on the individual stations.
- M) Period of performance for this contract will be October 1, 2016 through September 30, 2017.
- N) Contractor will notify individual HVAC supervisors at each station upon arrival when performing assigned treatment and testing duties.
- O) The contractor, their personnel, and their subcontractors shall be subject to all Federal Laws, regulations, standards, and VA Directives and handbooks regarding information and information system security as defined in this contract. VA sensitive data will be protected in accordance within the guidelines spelled out in VA Handbook 6500 rules of behavior.
- P) The C&A requirements do not apply and a Security Accreditation Package is not required.

Please contact technical personnel below for additional information pertaining to this SOW.

Palo Alto – Duke Falcon - 650-493-5000 x64952 or x65735; Damien.Falcon@va.gov

Livermore – Craig Robbins - 650-493-5000 x64619; Craig.Robbins@va.gov

Menlo Park – Anthony St. John – 650-493-5000 x27324; Anthony.StJohn@va.gov