

## **Tennessee School for the Deaf Water Treatment Program Specifications**

Tennessee School for the Deaf (TSD)  
2725 Island Home Boulevard  
Knoxville, TN 37920

Contact Person: Oliver Lang, Director of Facilities Management

[o.lang@tsdeaf.org](mailto:o.lang@tsdeaf.org)

Office: (865) 579-2418

Cell: (865) 323-3366

### **Statement of Procurement Need**

The Tennessee School for the Deaf (TSD) is seeking a vendor to provide a water treatment program for its hydronic systems that includes monthly testing and servicing.

The water treatment program is intended to promote system efficiency through the minimization of piping and equipment corrosion, scale formation, the accumulation of alluvial deposits, system wide microbial fouling and microbial induced corrosion. The sole purpose and scope of minimizing these factors is to aid in preservation of asset value, minimization of energy and water consumption, reduction of maintenance costs and to achieve optimal heat transfer. The systems needing service and testing are as follows:

#### **Akin Gym (433)**

- Steam Boilers A & B
- Closed Loop

#### **Jones Vocational Building (413)**

- Steam Boiler

#### **Alan J. Mealka Building (440)**

- Cooling Tower
- Closed Loop

#### **Elementary School (420)**

- Hot & Chilled Closed Loops

#### **Middle School (419)**

- Hot & Chilled Closed Loops

**Old Gym (404)**

- Hot & Chilled Closed Loops

**Dining Hall (441)**

- Closed Loop

**Ward Building (401)**

- Closed Loop

**Monthly Water Treatment**

1. The awarded vendor shall conduct monthly on-site visits at the TSD campus located at 2725 Island Home Boulevard, Knoxville, TN 37920. During the on-site visits, the vendor will:
  - Test the water and fluids common to the systems
  - Clean, calibrate, and adjust conductivity control and chemical feed equipment, as required
  - Provide chemical treatment to achieve the purposes outlined in the Statement of Procurement Need
2. The awarded vendor will report testing results and the treatment conducted after each visit.
3. The awarded vendor will make needed repairs or modifications as approved by the TSD director of facilities management.