

## **Water System Operator**

**Position:** Water System Operator

**Location:** Brady Township Troutville Borough Water Association, Clearfield County, PA

**Reports To:** System Manager / Association Board / Operations Supervisor

### **Position Summary**

The Water System Operator is responsible for the daily operation, monitoring, maintenance, and regulatory compliance of the public water supply system. The system consists of groundwater wells, greensand filtration treatment, softening, storage tanks, and distribution infrastructure serving approximately 750 connections / 1,600 residents.

The Operator ensures safe and reliable drinking water service in accordance with Pennsylvania Department of Environmental Protection (PADEP) regulations and the Safe Drinking Water Act.

### **Primary Responsibilities**

#### **Water Treatment Plant Operations**

- Operate and monitor greensand filtration treatment systems used for removal of iron, manganese, and related constituents.
- Monitor plant performance including filtration rates, chemical feed systems, backwashing cycles, and treatment efficiency.
- Adjust chemical feed rates and treatment processes to maintain water quality compliance.
- Conduct routine operational inspections of pumps, motors, valves, and treatment equipment.
- Perform filter backwashing and regeneration procedures as required.

#### **Water Quality Monitoring and Compliance**

- Collect and record required water quality samples in accordance with PADEP regulations and monitoring calendar.
- Monitor chlorine residuals, pH, turbidity, and other operational parameters.
- Maintain treatment plant operational logs and daily system records.
- Prepare and submit required operational and compliance reports.
- Assist with preparation of annual Consumer Confidence Reports (CCR) and Water Allocation Annual Reporting (Chapter 110).

#### **System Maintenance and Infrastructure**

- Perform routine maintenance of treatment plant equipment and facilities.
- Maintain groundwater wells, pumps, storage tanks, and distribution infrastructure.
- Conduct flushing of water mains and hydrants.
- Inspect and maintain valves, hydrants, and other distribution components.
- Coordinate repairs with contractors or technical service providers when necessary.

#### **Meter Reading and Customer Service**

- Read customer water meters and record usage.
- Assist with meter installation, maintenance, and troubleshooting.
- Respond to customer inquiries regarding water service issues.
- Assist with leak investigations and service line issues.

### **System Monitoring and Recordkeeping**

- Maintain accurate records of system operations, maintenance, and repairs.
- Track water production, usage, and distribution system performance.
- Maintain inventory of chemicals, parts, and supplies.

### **Emergency Response**

- Respond to system emergencies including water main breaks, pump failures, or treatment plant issues.
- Assist in implementing emergency response procedures when needed.
- Coordinate with management, engineer, contractors, and regulatory agencies during emergency situations.

### **Qualifications**

#### **Required**

- High school diploma or equivalent.
- Valid Pennsylvania driver's license.
- Pennsylvania DEP Water Operator Certification (minimum **Class C, E, Subclassifications 8, 9,12 at a minimum**) or ability to obtain certification within required timeframe.
- Basic mechanical aptitude and ability to perform equipment maintenance.

#### **Preferred**

- Prior experience operating groundwater or small water treatment systems.
- Experience with greensand filtration systems.
- Familiarity with PADEP drinking water regulations.
- Basic electrical, mechanical, or plumbing skills.

### **Physical Requirements**

- Ability to lift equipment and materials up to 50 pounds.
- Ability to climb ladders and access tanks and treatment equipment.
- Ability to work outdoors in varying weather conditions.
- Ability to perform manual labor and maintenance activities.

### **Work Schedule**

- Typical schedule: [Full-time / Part-time] daytime hours.
- Occasional evening, weekend, or emergency response may be required.

### **Compensation**

- Salary commensurate with experience and certification level.
- Benefits package [if applicable].

### **Additional Expectations**

The Water System Operator serves an important public health role and is expected to maintain high standards of professionalism, safety, and regulatory compliance in the operation of the water system.