

Weston Guerra

Water Plant Operator II

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STRENGTHS

- 👁️ **Process Monitoring**
Reviewed feeds, pressures, levels, alarms, and filter behavior during live plant rounds, catching unusual conditions early.
- 🧪 **Water Quality Testing**
Connected field observations with laboratory results, and peers sought help when chlorine or bacteriological trends looked unusual.
- ♥️ **Compliance Records**
Kept SWMOR and related records orderly and supportable, giving supervisors confidence during routine regulatory review.
- 📍 **Field Response**
Handled flushing and resident concerns with calm sampling follow up, turning unclear complaints into useful operating information.
- 👥 **Operator Training**
Shared practical SCADA, sampling, SOP, and safety guidance, becoming a dependable resource for newer operators.

SKILLS

Surface Water Treatment	SCADA
<u>TCEQ Requirements</u>	
<u>EPA Requirements</u>	
<u>Laboratory Analysis</u>	
<u>Bacteriological Sampling</u>	
<u>Chlorine Residuals</u>	
<u>Lead and Copper</u>	
<u>Disinfection Byproducts</u>	
<u>Instrument Calibration</u>	
<u>Filter Backwash</u>	
<u>Water Use Accounting</u>	

SUMMARY

TCEQ Class B Surface Water licensed operator with five years of municipal **water treatment experience** across process control, SCADA operations, laboratory testing, distribution monitoring, equipment care, and regulatory reporting. Operates surface water treatment processes with close attention to chemical feeds, filter performance, storage levels, pressures, alarms, instrumentation, and finished water quality. Performs sampling and analysis for chlorine residuals, **bacteriological indicators**, nitrite and nitrate, lead, copper, disinfection byproducts, and related regulated parameters. Prepares SWMOR, RTCR, **Lead and Copper**, CCR, **Water Loss Audit**, and supporting TCEQ records. Coordinates flushing with dechlorination, calibrates instruments, investigates customer concerns, supports electrical and mechanical troubleshooting, trains operators, and applies safe work practices during shift, weekend, overtime, and on call assignments.

EXPERIENCE

Water Treatment Operator II

Hill Country Water Services 📅 July 2024 - Present 📍 Round Rock, TX

Operates **municipal surface water treatment** and distribution processes through SCADA, laboratory controls, field response, compliance reporting, equipment care, and operator training. Supports safe production, reliable service, accurate records, and timely corrective action across rotating plant operations.

- Monitored SCADA feeds, filter cycles, **tank levels, pressures**, alarms, and instruments during shifts.
- Analyzed chlorine, bacteriological, nitrite, nitrate, lead, copper, and disinfection byproduct samples.
- Coordinated hydrant flushing with **dechlorination**, field readings, and documented water use records.
- Prepared SWMOR, RTCR, **Lead and Copper**, CCR, and Water Loss Audit records.
- Calibrated instruments and supported pump, valve, electrical, and **mechanical troubleshooting** activities.
- Trained operators on sampling, SCADA alarms, laboratory equipment, SOPs, and chemical safety.

Water Treatment Operator

Central Plains Water Authority 📅 March 2022 - June 2024 📍 Georgetown, TX

Managed daily plant rounds, process monitoring, sampling, customer investigation, equipment care, shift documentation, and alarm response for municipal treatment operations. Used process data and established procedures to protect water quality and maintain dependable service.

- Monitored pumps, motors, valves, chlorinators, ammoniators, filters, and **instrumentation** during rounds.
- Collected samples and performed analytical tests, escalating unusual water quality trends promptly.
- Investigated taste, odor, color, and residual complaints through field sampling and process review.
- Completed calibration, cleaning, minor adjustments, and safe work area upkeep activities.
- Maintained shift logs, bacteriological records, **flushing** documentation, and water use information.
- Responded to alarms using flow diagrams, **SOPs**, manuals, and current process data.

Water Operator Trainee

Prairie Bend Utility District 📅 September 2021 - February 2022 📍 Taylor, TX

Completed supervised plant and distribution rounds covering intake, chemical feed, filtration, disinfection, storage, and field systems. Built practical experience with SCADA, sampling, instrument readings, preventive maintenance, PPE, safety procedures, and TCEQ operating requirements.

Regulatory Reporting Flushing

Preventive Maintenance

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Water Treatment Operator II at Hill Country Water Services (2.2 Years)

● Water Treatment Operator at Central Plains Water Authority (2.2 Years)

● Water Operator Trainee at Prairie Bend Utility District (5 Months)

- Completed supervised rounds across intake, chemical feed, filtration, disinfection, storage, and distribution.
- Recorded **flows**, pressures, **tank levels**, chemical usage, and instrument readings for shift records.
- Collected samples and practiced chlorine residual, turbidity, pH, and bacteriological methods.
- Used **SCADA** displays to follow process status, alarms, and changing operating conditions.
- Performed cleaning, equipment inspections, and preventive maintenance while wearing required **PPE**.
- Reviewed **TCEQ** requirements, SOPs, safety procedures, and technical manuals with senior operators.

PROJECTS

Lead and Copper Monitoring Program 📅 2024

Supported sampling coordination, field documentation, laboratory review, and compliance records for lead and copper monitoring. Clear records helped connect sample results with corrective actions and required reporting.

Distribution Flushing and Dechlorination 📅 2023

Coordinated flushing activities with field measurements, dechlorination, water use tracking, and resident communication. Work supported cleaner mains and dependable distribution records.

LEADERSHIP & AWARDS

- Selected as a trusted operator resource for SCADA alarms, sampling questions, and shift support.
- Recognized by supervisors for accurate SWMOR records and dependable regulatory documentation.
- Trusted to train operators on laboratory equipment, SOPs, chemical safety, and alarm response.

EDUCATION

Associate of Applied Science in Environmental Technology

Austin Community College 🎓 GPA: 3.5 📅 2021 📍 Austin, TX

Coursework: *Water treatment, environmental chemistry, laboratory analysis, occupational safety*

CERTIFICATIONS

- TCEQ Class B Surface Water License 📅 2024
- American Red Cross First Aid, CPR, and AED 📅 2025
- Valid Texas Driver's License 📅 2024

TECHNICAL SKILLS

- **Treatment Processes:** Surface water treatment, filtration, disinfection
- **SCADA Systems:** SCADA monitoring, alarms, process displays
- **Chemical Feed Systems:** Chlorinators, ammoniators, chemical feed pumps
- **Laboratory Analysis:** Chlorine residuals, bacteriological indicators, pH
- **Regulated Testing:** Trihalomethanes, HAAs, lead and copper
- **Nutrient Monitoring:** Nitrites, nitrates, nitrification indicators
- **Compliance Programs:** SWMOR, RTCR, CCR
- **Water Quality Programs:** UCMR, LT2, NAP Testing
- **Distribution Operations:** Flushing, dechlorination, water use accounting
- **Instrumentation:** Calibration, pressure instruments, level instruments
- **Mechanical Equipment:** Pumps, motors, valves
- **Electrical Systems:** Electrical troubleshooting, controls, instrumentation
- **Field Documentation:** Water Loss Audit, Water Utility Profile, Water Conservation Plan
- **Sampling Programs:** Lead and Copper, BacT Testing, customer complaint sampling
- **Safety Practices:** PPE, chemical safety, hazardous work awareness

PROFESSIONAL AFFILIATIONS

- Texas Commission on Environmental Quality, licensed Class B Surface Water operator.
- American Red Cross, First Aid, CPR, and AED certified participant.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST