

# Andrei Clarke

## Wastewater Plant Operator III

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### STRENGTHS

- 👁 **Process awareness**  
During changing influent conditions, linked flow readings with biological process observations and made timely operating adjustments.
- 🔧 **Field troubleshooting**  
When equipment behavior changed, checked pumps, valves, motors, and controls before coordinating a safe corrective response.
- 👥 **Operator coaching**  
Newer operators often sought practical guidance during rounds, and clear explanations helped build confident shift decisions.
- 🚩 **Shift leadership**  
Supervisor absences became opportunities to coordinate coverage, prioritize response, and keep management informed at turnover.
- ♥ **Reliable documentation**  
Careful logs and field notes gave incoming operators useful context, especially when conditions required follow up.

### SKILLS

Wastewater Operations

Activated Sludge Trickling Filters

Aerobic Digesters

Sludge Drying Beds

Effluent Management

Spray Irrigation Pump Stations

Pumps Valves Electric Motors

Motor Control Centers

Flow Meters Process Monitoring

Operator Training

### SUMMARY

Wastewater treatment operator with six years of progressive experience across municipal treatment facilities, **sewer pump stations**, biological treatment processes, solids handling, and effluent management. Holds a current **California Wastewater Treatment Plant Operator Grade III Certificate** and brings more than two years at Operator II level or above. Operates activated sludge, trickling filters, aerobic digesters, sludge drying beds, percolation beds, **spray irrigation systems**, pumps, valves, electric motors, **motor control centers**, screening devices, and flow meters. Recognizes abnormal, inefficient, and hazardous conditions, coordinates corrective action, and documents decisions that support safe, stable performance. Trains developing operators, leads assigned shifts during supervisor absences, and supports reliable public utility service across distributed facilities.

### EXPERIENCE

#### Wastewater Plant Operator III

Sierra Valley Sanitation District 📅 January 2025 - Present 📍 Fresno, California

Direct regional wastewater facility operations and associated pump stations, reviewing process conditions, equipment status, staffing, and treatment records. Provide shift leadership, technical guidance, and practical training while coordinating **corrective action** and maintenance follow up.

- Directed regional plant rounds using flow data, equipment status, and process observations before field assignments.
- Adjusted **activated sludge** and aerobic digestion operations during changing influent conditions, sustaining stable treatment performance.
- Diagnosed pump, valve, motor, screening, and motor control center behavior, then documented maintenance follow up.
- Trained Operator I and II staff on rounds, sampling, equipment checks, observations, and escalation practices.
- Led assigned shifts during supervisor absences, prioritizing response, coverage, communication, and safe operating decisions.
- Reviewed **flow meters**, treatment records, and field observations across operating areas, identifying issues before effluent impacts.

#### Wastewater Plant Operator II

Central Basin Water Reclamation 📅 July 2023 - December 2024 📍 Visalia, California

Operated biological treatment, screening, solids handling, effluent, and conveyance systems during assigned shifts. Coordinated field inspections, operator coaching, maintenance communication, and defined shift responsibilities during supervisor absences.

- Operated **activated sludge**, trickling filter, screening, and solids processes, adjusting controls within procedures.
- Inspected **pumps**, valves, motors, **motor control centers**, and flow meters during pump station rounds.
- Managed aerobic digester and sludge drying bed activities, sequencing transfers for dependable solids processing.
- Tracked effluent through percolation and irrigation operations, escalating conditions affecting safe discharge handling.
- Coached newer operators during rounds and equipment checks, explaining process relationships through practical examples.
- Coordinated defined shift priorities during supervisor absences, communicating unresolved issues during turnover.

#### Wastewater Plant Operator I

Northgate Public Utilities 📅 September 2021 - June 2023 📍 Bakersfield, California

LANGUAGES



MY CAREER



- Wastewater Plant Operator III at Sierra Valley Sanitation District (1.7 Years)
- Wastewater Plant Operator II at Central Basin Water Reclamation (1.4 Years)
- Wastewater Plant Operator I at Northgate Public Utilities (1.8 Years)
- Wastewater Operator Trainee at Golden State Environmental Services (10 Months)

- Performed supervised operations across treatment and conveyance facilities, building independent capability through structured rounds, process monitoring, equipment checks, safety training, and accurate shift documentation.
- Performed plant rounds covering screening, pumps, valves, motors, flow measurement, biological treatment, and solids areas.
  - Monitored trickling filter and **activated sludge** performance, connecting visual observations with treatment process changes.
  - Exercised **valves** and checked pump operation, identifying leaks, vibration, and control issues for maintenance evaluation.
  - Supported aerobic digestion and sludge drying activities by checking levels, equipment status, and transfer sequences.
  - Maintained shift logs and equipment observations, creating reliable turnover information for subsequent operators.
  - Built higher duty qualification through supervised process control assignments, safety training, and increasingly independent rounds.

Wastewater Operator Trainee

Golden State Environmental Services 📅 October 2020 - August 2021 📍 Bakersfield, California

- Completed supervised wastewater operations training covering treatment fundamentals, plant rounds, equipment observation, process readings, safety practices, documentation, and guided troubleshooting across biological and solids areas.
- Completed supervised training in treatment fundamentals, safe equipment observation, plant rounds, and operating records.
  - Collected process readings from **flow meters** and treatment units, presenting exceptions to certified operators.
  - Learned relationships among **screening devices**, pumps, valves, motors, and downstream biological processes through field rotations.
  - Supported inspections around **trickling filters**, **activated sludge** basins, and solids areas under site safety procedures.
  - Practiced shift documentation and verbal turnover, recording equipment status and changing process observations.
  - Progressed into supervised operating tasks after demonstrating safe work practices and wastewater fundamentals.

PROJECTS

Regional Pump Station Readiness Review 📅 2025

Reviewed pump, valve, motor, flow meter, and control conditions across distributed conveyance assets. Flagged abnormal findings early and improved shift communication for corrective action.

Biological Process Stability Initiative 📅 2024

Connected activated sludge and trickling filter observations with flow data and operating adjustments. Supported steadier treatment decisions during changing influent conditions.

LEADERSHIP & AWARDS

- Selected as shift lead during supervisor absences, coordinating coverage, response priorities, and management communication.
- Recognized by operating teams for practical coaching that helped developing operators make consistent field decisions.
- Entrusted with regional operating responsibilities across treatment facilities and associated sewer pump stations.

EDUCATION

Associate of Science in Water and Wastewater Technology

Bakersfield College 🎓 GPA: 0 📅 2020 📍 Bakersfield, California

**Coursework:** Wastewater treatment operations, biological processes, pump station systems, water quality, environmental regulations

## CERTIFICATIONS

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- California Wastewater Treatment Plant Operator Grade III Certificate 📅 2024
- Associate Certificate in Water and Wastewater Technology 📅 2020

## TECHNICAL SKILLS

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- **Biological Treatment:** Activated sludge, trickling filters, aerobic digesters
- **Solids Processing:** Sludge drying beds, solids handling, transfer sequencing
- **Effluent Systems:** Percolation beds, spray irrigation, discharge monitoring
- **Pump Equipment:** Wastewater pumps, sewer pump stations, pump inspections
- **Valve Systems:** Process valves, isolation valves, valve exercising
- **Electrical Equipment:** Electric motors, motor control centers, equipment checks
- **Screening Equipment:** Screening devices, screenings handling, intake inspections
- **Flow Measurement:** Flow meters, flow readings, operating trend review
- **Operations Control:** Process monitoring, operating procedures, control adjustments
- **Safety Response:** Abnormal condition recognition, corrective action, hazard response
- **Operator Development:** Technical guidance, practical training, shift coaching
- **Utility Operations:** Municipal utilities, regional facilities, public service operations

## PROFESSIONAL AFFILIATIONS

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- Public wastewater utility operations, supporting safe treatment, conveyance reliability, and dependable community service.
- Operator development and peer coaching, sharing practical process knowledge during rounds, turnover, and field checks.

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST