



MICHAEL ANDERSON

Senior Water Treatment Engineer

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SUMMARY

Distinguished Water Treatment Plant Manager with over 15 years of progressive experience in overseeing operations within municipal and industrial water treatment facilities. Expertise encompasses strategic planning, resource optimization, and compliance with environmental regulations. Proven ability to spearhead initiatives that enhance operational efficiency and reduce costs while ensuring water quality standards are consistently met.

WORK EXPERIENCE

Senior Water Treatment Engineer Urban Water Solutions

Jan 2023 - Present

- Directed the design and implementation of a new filtration system that improved water clarity by 30%.
- Managed a team of engineers and technicians in the daily operations of a 100 MGD treatment facility.
- Conducted regular audits to ensure compliance with state and federal water quality regulations.
- Developed and implemented training programs for staff on new technologies and safety protocols.
- Collaborated with local government on community outreach initiatives to educate on water conservation.
- Utilized SCADA systems for real-time monitoring and control of plant operations.

Water Treatment Supervisor Green River Utilities

Jan 2020 - Dec 2022

- Oversaw daily operations of a water treatment facility serving 50,000 residents.
 - Implemented preventive maintenance schedules that reduced equipment downtime by 25%.
 - Enhanced chemical dosing processes, resulting in a 15% reduction in operational costs.
 - Facilitated staff meetings to review performance metrics and address operational challenges.
 - Coordinated with environmental agencies to ensure compliance with discharge permits.
 - Prepared detailed reports for management on plant performance and regulatory compliance.
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EDUCATION

Master of Science in Environmental Engineering, University of California, 2008

Sep 2019 - Oct 2020

ADDITIONAL INFORMATION

- **Technical Skills:** Project Management, Regulatory Compliance, Team Leadership, Process Optimization, SCADA Systems, Water Quality Management
- **Awards/Activities:** Recipient of the Excellence in Water Management Award, 2022.
- **Awards/Activities:** Successfully led a project that reduced chemical usage by 20%, saving \$150,000 annually.
- **Awards/Activities:** Published research on water treatment innovations in a leading environmental journal.
- **Languages:** English, Spanish, French